


# HUBBELL

INDUSTRIAL
COMMERCIAL
RESIDENTIAL

HUBBELL®
Wiring Device-Kellems

# Hubbell Continues the Tradition by



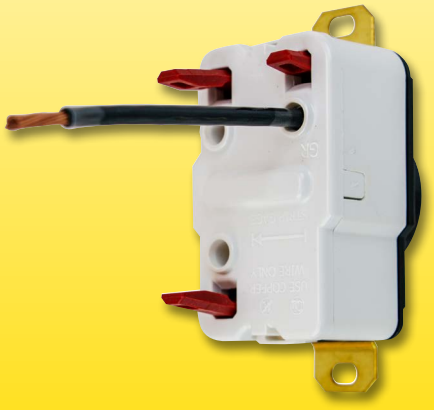












- Hubbell inSIGHT Phase Indicating Disconnect Switches
- Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures
- Disconnects with Jog Switch

- Advantage™ Series Switch-Rated IEC Pin and Sleeve Floor Boxes
- Watertight Pin and Sleeve Devices
- Corrosion Resistant Devices
- Low Profile Devices

- Twist-Lock® Edge Series with strong spring continues to apply pressure as strands relax
- No exposed metal on receptacles, allowing more devices to be installed closer together
- No torque screwdrivers required for wiring




For more than a century, Hubbell Wiring Device-Kellems has offered distributors, end-user customers and specifiers the electrical and electronic wiring devices, wire management systems and specialized wiring products and solutions needed for industrial, institutional, commercial and residential markets.

**HUBBELL® Wiring Device-Kellems**

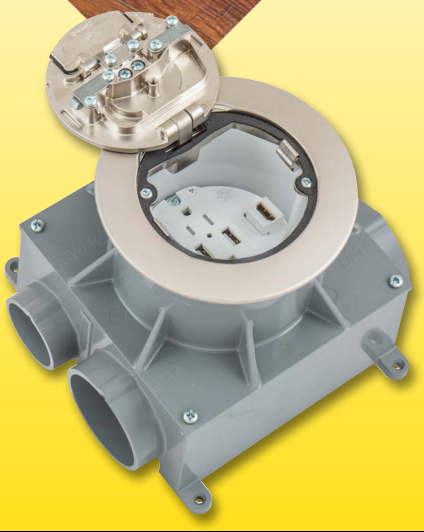
www.hubbell.com/wiringdevice-kellems/en

# Focusing on Safety and Efficiency

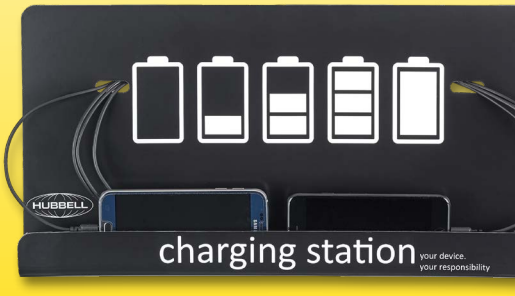









- SystemOne 4 inch Adjustable Recessed Floor Boxes
- Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Countertop Pop-Up Receptacles
- Table Top Boxes
- Pre-Wired USB Pop-Up Boxes
- Pre-Wired Furniture/Work Boxes
- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- PlugTrak® Raceway with USB

Ensuring the safety of people and equipment while still effectively delivering power and technology is priority number one, which is why Hubbell products provide essential protection against injury and the dangers of electricity. Hubbell products are innovatively designed to maximize energy efficiency, reduce costs and ultimately lead to a lower total cost of ownership.



# Table of Contents – Sections Overview


## A Straight Blade Devices



- HBL® Extra Heavy Duty Max Devices
- SNAP*Connect*® Extra Heavy Duty Devices
- Commercial Specification Grade Devices
- USB Charger Receptacles and Outlets
- Hubbell-PRO Extra Heavy Duty Devices
- Insulgrip® Plugs and Connectors

## B Twist-Lock® and Hubbellock® Devices



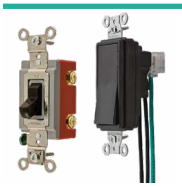
- Insul-Lock™ Devices
- Midget Twist-Lock® Devices
- Twist-Lock® Devices
- Switched Safety Enclosures
- 50A Twist-Lock® Devices
- Hubbellock® Devices

## C Watertight Devices



- Watertight Safety-Shroud® Twist-Lock® Devices
- Straight Blade Devices
- Twist-Lock® Devices
- FD Boxes and Angled Adapters
- GFCI Protected FD Box
- Heavy Duty Portable Outlet Boxes and Plates

## D Switches



- HBL® Extra Heavy Duty Industrial Grade Series
- SNAP*Connect*® Heavy Duty Series
- Hubbell-PRO Heavy Duty Industrial Series
- Specification Grade Commercial Series
- Low Voltage Commercial Series

## E Energy Efficiency Solutions



- Wall Switch Sensors
- Ceiling, Wall and End Mount Sensors
- OPTIMYZER® High Bay and Low Bay Sensors
- MAXX™ Harsh Environment Sensors
- Automatic Receptacle Control Solutions
- Wireless Sensors and Controls

## F Switched Disconnects and Enclosures



- inSIGHT™ Phase Indicating Disconnect Switches
- Non-Metallic and Stainless Steel Enclosures
- MotorQuick® Disconnect Switches
- Circuit-Lock® Fused Disconnects
- Hazardous Locations Devices
- AC Manual Toggle Controllers/Disconnects

## G Pin and Sleeve Devices/Mechanical Interlocks



- Advantage™ Series Switch-Rated Devices
- IEC Pin and Sleeve Watertight Devices
- Circuit-Lock® Mechanical Interlocks
- Low Profile Pin and Sleeve Devices
- UL1686 C1 Insulgrip® Pin and Sleeve Devices
- Hazardous Locations Devices

## H Single Pole Devices and Temporary Power



- Series 15 - 150A Single Pole Devices
- Series 16 & 18 - 300 & 400A Single Pole Devices
- Spider® II Temporary Power Boxes
- Temporary Lighting
- Stage Pin Devices
- Convention Center Pin and Sleeve Devices

## I Industrial Connectivity and Control Products



- LINKOSITY® Power Components
- MotorQuick® Disconnect Switches
- CableTrak® Hose and Cable Carrier System
- DIN Rail Utility Boxes
- PANEL-SAFE® Power and Data Access Ports
- HI-Impact Industrial Ethernet Products

## J Cable, Cord and Hose Reels



- inREACH™ Industrial Cord Reels
- inREACH™ Industrial Cord Reels Connector Ends
- inREACH™ Industrial Weatherproof Cord Reels
- Heavy Duty Industrial Weatherproof Reels
- Commercial Cord Reels
- Air/Water Hose and Static Discharge Reels

## K Ground Fault Products



- Extra Heavy Duty Industrial Series
- Heavy Duty Commercial LED Series
- SNAP*Connect*® GFCI Series
- Arc Fault AFCI Receptacles
- GFCI Portable Products
- Hard Wired 30 Amp GFCI Series

## L Hospital Products



- HBL® Extra Heavy Duty Max Devices
- USB Charger Receptacles
- Plugs and Connectors
- Extra Heavy Duty Industrial GFCI Receptacles
- Surge Protection Devices
- Hubbellock® Devices

## M SpikeShield® Power Quality Products



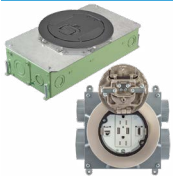
- Service/Branch Panel Protection
- Surge Protection Plug Strips
- Surge Protection Receptacles
- SNAPConnect® TR & Power Ind. LED Receptacles
- Isolated Ground Devices

## N Wallplates and Covers



- Snap-On Wallplates
- Non-Metallic and Metal Wallplates
- Pre-Marked Wallplates
- Security Wallplates
- Weatherproof Covers
- Heavy Duty Weatherproof Covers

## O Floor Boxes and Surface Enclosures



- SystemOne Recessed Floor Boxes
- SystemOne Flush Floor Boxes
- Flush Floor Boxes and Covers
- Convention Center Utility Boxes
- CONNEXION 2.0 Zone Distribution System

## P Fire-Rated Poke-Through (FRPT) Devices



- Hubbell SystemOne Recessed Systems
- Hubbell SystemOne Flush Systems
- 2X2 Flush FRPT Units
- Flush Duplex and Furniture Feed FRPT Units
- Painted or Brushed Aluminum Pedestal FRPT

## Q Charging Solutions




- Powered Seating Boxes
- Cabled Charging Stations
- Power Charging Pedestals
- USB Charging Receptacles
- 2X2 USB Work Surface Pop-Up Boxes
- PlugTrak® Raceway with USB Charger Outlets

## R Aluminum Service Poles



- Features and Benefits
- Aluminum Series Offering
- Custom Pole Configurations
- Division 16 Specifications

## S Metal and Non-Metallic Raceway



- Metal Raceway and PlugTrak®
- Aluminum Raceway and PlugTrak®
- Non-Metallic Raceway and PlugTrak®
- Pre-Wired Raceway
- FloorTrak™ PRO System

## T Trench, Wall and Underfloor Duct Products



- Trench Duct Series
- Wall Duct Series
- Underfloor Duct Series
- Underfloor Duct Raceway Activation Kits

## U Wire Basket Tray



- Round Cross-Wire Basket Tray
- Flat Style Cross-Wire Basket Tray
- Under Floor Round Cross-Wire Basket Tray
- Preformed Fittings Accessories
- Supports and Brackets

## V Hose and Cable Protection Systems



- TrukTrak® Systems
- TredTrak® Systems
- AccessTrak® Systems
- ProTrak™ Systems
- FloorTrak® Systems

## W Wire Management Products



- Pulling Grips
- Support Grips
- Fiber Optic Cable Grips
- Strain Relief for Flexible Cords
- Cord Connectors
- Non-Metallic Liquidtight Conduit & Tubing

## X Power and AV Enclosures



- Furniture/Work Surface & Table Top Boxes
- Prefab
- Wall boxes
- New Ceiling boxes to come

## Y Network Wiring and netSELECT® Products



- Modular Jacks and Connectors
- Hubbell iSTATION Products
- In-Wall AV Delivery
- HDMI Products
- Network Enclosures and Modules
- Molded-In Voice/Data/Video

## Z tradeSELECT® Products



- Decorator Products
- iDevices Products
- USB Charger Receptacles
- Switches and Receptacles
- Countertop Receptacles
- Power Delivery

## AA Marine Products



- ELCI Interface Solutions
- 30A and 50A Cable Sets
- 100A and 200A Cable Sets
- Internationally Rated Devices
- Adapters
- Telephone and Cable TV Devices

## BB Other Wiring Products



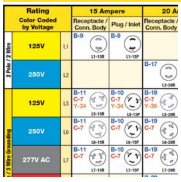
- Circuit Testers
- Adapters and Fluorescent Starters
- Lockout Devices
- Lampholders and Accessories
- Taps, Adapters, Plugs and Connectors

## General Technical Data



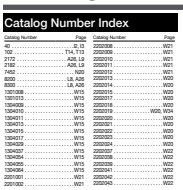
- Industry Standards
- Certification Agencies and Markings
- Codes and Standards Organizations
- NEMA and IEC Classifications
- Circuit Wiring Diagrams

## Hubbell Configuration Charts (page IV-V)




- NEMA Straight Blade Devices
- NEMA Twist-Lock® Devices

## Catalog Number Index




- Numeric Part Numbers
- Section Page(s) Indicated

# NEMA Straight Blade Devices

| | Rating | | 15 Ampere | | 20 Ampere | | 30 Ampere | | 50 Ampere | | 60 Ampere | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Receptacle / Conn. Body | Plug / Inlet | Receptacle / Conn. Body | Plug / Inlet | Receptacle | Plug | Receptacle | Plug | Receptacle | Plug |
| 2 Pole / 2 Wire | 125V | 1 | A-37  1-15R | A-37  1-15P | | | | | | | | |
| 2 Pole / 2 Wire | 250V | 2 | | | A-37  2-20R | A-37  2-20P | | | | | | |
| 2 Pole / 3 Wire Grounding | 125V | 5 | A-8 to A-10 A-12 to A-28 A-32 A-34 A-35 A-40 A-46 C-6 AA-35  5-15R | A-32 A-33 A-35 A-40 C-6 AA-35  5-15P | A-8 to A-10 A-12 to A-28 A-32 A-34 A-35 A-40 A-46 C-6 AA-37  5-20R | A-32 A-33 A-35 A-40 C-6 AA-37  5-20P | A-41  5-30R | A-41  5-30P | A-43  5-50R | A-43  5-50P | | |
| 2 Pole / 3 Wire Grounding | 250V | 6 | A-9 A-11 A-23 A-32 A-36 C-6  6-15R | A-32 A-36 C-6  6-15P | A-9 A-11 A-23 A-32 A-36 C-6  6-20R | A-32 A-36 C-6  6-20P | A-41  6-30R | A-41  6-30P | A-43  6-50R | A-43  6-50P | | |
| 2 Pole / 3 Wire Grounding | 277V AC | 7 | A-37  7-15R | A-37  7-15P | | | A-41  7-30R | A-41  7-30P | A-43  7-50R | A-43  7-50P | | |
| 3 Pole / 3 Wire | 125/250V AC | 10 | | | A-38  10-20R | A-38  10-20P | A-41  10-30R | A-41  10-30P | A-43  10-50R | A-43  10-50P | | |
| 3 Pole / 3 Wire | 3Ø 250V AC | 11 |  11-15R |  11-15P |  11-20R |  11-20P |  11-30R |  11-30P |  11-50R |  11-50P | | |
| 3 Pole / 4 Wire Grounding | 125/250V AC | 14 | | | A-38  14-20R | A-38  14-20P | A-42  14-30R | A-42  14-30P | A-44  14-50R | A-44  14-50P | A-45  14-60R | A-45  14-60P |
| 3 Pole / 4 Wire Grounding | 3Ø 250V AC | 15 | | | A-38  15-20R | A-38  15-20P | A-42  15-30R | A-42  15-30P | A-44  15-50R | A-44  15-50P | A-45  15-60R | A-45  15-60P |
| 4P / 4W | 3ØY 120/208V AC | 18 | | | A-38  18-20R | A-38  18-20P | A-42  18-30R | A-42  18-30P | A-44  18-50R | A-44  18-50P | A-45  18-60R | A-45  18-60P |

## HOW TO USE THIS CHART:

For quick reference, this chart shows the configuration, primary catalog section and page number where the devices are shown.



**Open Slots** indicates Receptacle / Connector Body configurations (female).



**Closed Slots** indicates Plug / Inlet configurations (male).

**Catalog Section and Page Number**

**NEMA Configuration**

A-3
A-7
A-16
C-6
AA-35



5-15R

**IMPORTANT NOTICE:**

The catalog pages referenced in **BLUE** are Insulgrip®, Valise®, Safety-Shroud® and Watertight Safety-Shroud® devices, in **RED** are Watertight devices, and in **ORANGE** are Marine corrosion resistant devices

| Rating Color Coded by Voltage | | | 15 Ampere Receptacle / Conn. Body | 15 Ampere Plug / Inlet | 20 Ampere Receptacle / Conn. Body | 20 Ampere Plug / Inlet | 30 Ampere Receptacle / Conn. Body | 30 Ampere Plug / Inlet |
|---|---|---|---|---|---|---|---|---|
| 2 Pole / 2 Wire | 125V | L1 | B-11 L1-15R | B-11 L1-15P | | | | |
| | 250V | L2 | | | B-19 L2-20R | B-19 L2-20P | | |
| 2 Pole / 3 Wire Grounding | 125V | L5 | B-13 C-7 AA-34 L5-15R | B-12 C-7 AA-34 L5-15P | B-21 C-7 AA-36 L5-20R | B-20 C-7 AA-36 L5-20P | B-29 C-8 L5-30R | B-28 C-8 L5-30P |
| | 250V | L6 | B-13 C-7 L6-15R | B-12 C-7 L6-15P | B-21 C-7 L6-20R | B-20 C-7 L6-20P | B-29 C-8 L6-30R | B-28 C-8 L6-30P |
| | 277V AC | L7 | B-13 C-7 L7-15R | B-12 C-7 L7-15P | B-21 C-7 L7-20R | B-20 C-7 L7-20P | B-29 C-8 L7-30R | B-28 C-8 L7-30P |
| | 480V AC | L8 | | | B-24 L8-20R | B-24 L8-20P | B-37 L8-30R | B-37 L8-30P |
| | 600V AC | L9 | | | B-24 L9-20R | B-24 L9-20P | B-37 L9-30R | B-37 L9-30P |
| 3P / 3W | 125/250V AC | L10 | | | B-24 L10-20R | B-24 L10-20P | B-31 L10-30R | B-30 L10-30P |
| 3 Pole / 4 Wire Grounding | 125/250V AC | L14 | | | B-23 C-8 L14-20R | B-22 C-8 L14-20P | B-31 C-9 L14-30R | B-30 C-9 L14-30P |
| | 3Ø 250V AC | L15 | | | B-23 C-8 L15-20R | B-22 C-8 L15-20P | B-31 C-9 L15-30R | B-30 C-9 L15-30P |
| | 3Ø 480V AC | L16 | | | B-23 C-8 L16-20R | B-22 C-8 L16-20P | B-33 C-9 L16-30R | B-32 C-9 L16-30P |
| | 3Ø 600V AC | L17 | | | | | B-33 C-9 L17-30R | B-32 C-9 L17-30P |
| 4 Pole / 4 Wire | 3ØY 120/208V AC | L18 | | | B-25 L18-20R | B-25 L18-20P | B-36 C-9 L18-30R | B-36 C-9 L18-30P |
| | 3ØY 277/480V AC | L19 | | | B-25 L19-20R | B-25 L19-20P | B-36 L19-30R | B-36 L19-30P |
| | 3ØY 347/600V AC | L20 | | | B-25 L20-20R | B-25 L20-20P | B-36 L20-30R | B-36 L20-30P |
| 4 Pole / 5 Wire Grounding | 3ØY 120/208V AC | L21 | | | B-27 L21-20R | B-26 L21-20P | B-35 L21-30R | B-34 L21-30P |
| | 3ØY 277/480V AC | L22 | | | B-27 L22-20R | B-26 L22-20P | B-35 L22-30R | B-34 L22-30P |
| | 3ØY 347/600V AC | L23 | | | B-27 L23-20R | B-26 L23-20P | B-35 L23-30R | B-34 L23-30P |
| 2P/ 3W | 347V AC | L24 | | | B-24 L24-20R | B-24 L24-20P | | |
| | 240V AC | L25 | | | | | B-37 L25-30R | B-37 L25-30P |
| 4P/ 5W | 3ØY 240/415V AC | L26 | | | | | B-35 L26-30R | B-34 L26-30P |

## MIDGET TWIST-LOCK® DEVICES

| | Rating | Receptacle | Plug |
|---|---|---|---|
| 2P / 2W | 15A 125V | B-7 ML-1R | B-6 ML-1P |
| 2P / 3W Gr | 15A 125V | B-7 ML-2R | B-6 ML-2P |
| 3P / 3W | 15A 125/250V AC | B-7 ML-3R | B-6 ML-3P |

## 50A TWIST-LOCK® DEVICES

| | Rating | Receptacle | Plug |
|---|---|---|---|
| 2 Pole / 3 Wire Grounding | 50A 125V Corrosion Resistant ANSI C73-110 / NEMA SS1-50 Marine Products | AA-14 AA-15 | AA-14 AA-15 |
| | 50A 125V | B-56 | B-56 |
| | 50A 250V | B-56 | B-56 |
| | 50A 480V AC | B-56 | B-56 |
| 3 Pole / 4 Wire Grounding | 50A 125/250V Corrosion Resistant ANSI C73-111 / NEMA SS2-50 Marine Products | AA-16 AA-17 | AA-16 AA-17 |
| | 50A 125/250V AC | B-57 | B-57 |
| | 50A 3Ø 250V AC | B-57 | B-57 |
| | 50A 3Ø 480V AC | B-57 | B-57 |

## NON-NEMA TWIST-LOCK® DEVICES

| | Rating | Receptacle | Plug |
|---|---|---|---|
| 3 Pole / 3 Wire | 20A 125/250V | B-45 C-8 | B-44 C-8 |
| | 30A 125/250V | B-48 C-9 | B-47 C-9 |
| 4 Pole / 4 Wire | 20A 3ØY 120/208V AC | B-45 | B-44 |
| | 30A 3ØY 120/208V AC | B-48 C-9 | B-47 C-9 |
| 4P/5W Gr | 20A 250V 10A 600V AC | B-46 | B-46 |

# General Information

***Industrial and Commercial Wiring Devices and Systems***
***Kellems Wire Management Products***
***Residential Products***
***Marine Products***

MEMBER NEMA Setting Standards for Excellence

***National Electrical Manufacturers Association***

NEMA promotes the competitiveness of its member companies by providing a forum for the development of technical standards that are in the best interests of the industry and the users of its products.

NAED ASSOCIATE

***National Association of Electrical Distributors***

Since 1908, NAED has served as the trade association for the electrical distribution industry.

To be an NAED associate member, your company must be a manufacturer or value-added reseller.

RoHS

***Restriction of Hazardous Substances***

The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".

U.S. GREEN BUILDING COUNCIL MEMBER

***U.S. Green Building Council Member***

Hubbell is a US Green Building Council (USGBC) member dedicated to advancing buildings that are environmentally responsible in the way they are designed, built and operated.

Certified System ™
ISO 9001

***International Organization for Standardization***

ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

Precautions have been taken to assure accuracy of the information in this catalog. Typographical or pictorial errors which are brought to our attention will be corrected in subsequent issues.

Product dimensions in this catalog are nominal and are provided for the convenience of our customers. Hubbell reserves the right to make product changes from time to time, without prior notification, which may change the dimensions shown. We, therefore, recommend they be checked before using for customer projects or product development and specification.

The designs and dimensions of the products listed in this catalog, were correct at the date of publication and are subject to change without notice.

All configuration diagrams shown in the various sections of the catalog are female devices (receptacles, connector bodies, etc.) unless otherwise indicated.

No material will be accepted for return unless permission is granted in writing by this Company. All orders received for special items and engraved plates are accepted as firm orders and are non-cancelable by the customer.

Claims for freight charges or allowances of any kind will not be considered after 30 days from receipt of goods and our responsibility ceases when we have delivered such shipments to the carriers and hold their receipts.

**The following trademarks of Hubbell Incorporated, are your assurance of the highest quality wiring devices and wiring management products in the Industry.**

- 4-PLEX®
- AccessTrak®
- Advantage™
- ADD-A-SHROUD®
- AUTOGUARD®
- BaseTrak®
- CableTrak®
- CircuitGuard®
- Circuit-Lock®
- CircuitPro®
- DUA-PULL®
- Elastogrip®
- FloorTrak®
- GOTCHA®
- Gripulator®
- HBL®
- Handi-Screw®
- Hubbell®
- Hubbell Juniors®
- Hubbellock®
- Hubbellnet®
- inSIGHT™
- Insul-Lock™
- Insulgrip®
- JLOAD®
- Kellems®
- LANTrak®
- LINKOSITY®
- Load:Logic®
- MAXX™
- Micro-Quick®
- Mini-Quick®
- MotorQuick®
- Nano-Quick®
- netSELECT®
- NEXTSPEED®
- NOT Plug Resistant™
- OPTIMYZER®
- OPTISOK®
- PANEL-SAFE®
- PLUG-CHECK®
- PLUGOUT®
- PlugTrak®
- PolyTrak®
- PolyTuff®
- PremiseTrak®
- PresSwitch®
- ProTrak™
- RACO®
- Rough-in Ready®
- Safety-Shroud®
- ScrubShield®
- Seal-Tite®
- Signal-Quick®
- SNAP*Connect*®
- SPEEDGAIN®
- Spider®
- SpikeShield®
- Style Line®
- Super BaseTrak®
- Super Twist-Lock®
- SWITCHOUT®
- SwivelLok®
- tradeSELECT®
- TredTrak®
- TrukTrak®
- Twist-Lock®
- Valise®
- Variload®
- VARI-SIZE®
- WallTrak®
- XCLAMP™

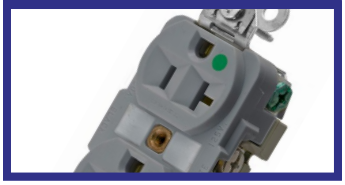
UPC Vendor Code No. 783585 - Hubbell Wiring Device-Kellems
CAGE No. 74545
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# SECTION A

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**HBL® Extra Heavy Duty Max Hospital Grade**



**Extra Heavy Duty SNAP*Connect*® Receptacles**



**USB-C Power Delivery Receptacles**



**EdgeConnect™ Spring Termination Devices**




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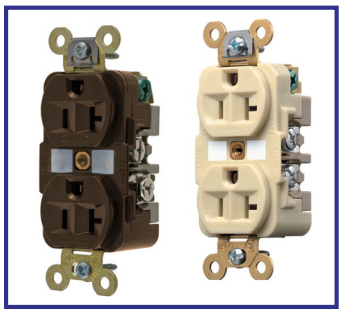
| Product | Page |
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## Products at a Glance



### HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



### HBL® Extra Heavy Duty Max

- One-piece brass ground strap
- Exclusive bypass contact design for greater contact force and reduced heat buildup
- Barbed assembly arms reduce possibility of face/base separation
- Deep face design



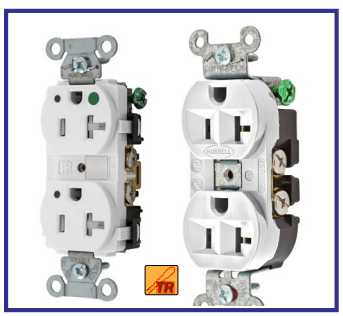
### SNAP*Connect*® Extra Heavy Duty

- Hospital and Specification Grade
- SNAP*Connect*® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space
- Single receptacles available



### EdgeConnect™ Spring Termination Receptacles

- Hospital and Specification Grade
- Spring termination saves installation time
- Eliminates screw terminations
- More secure connection
- Steel/Brass mounting strap, self-grounding



### Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant... **NOT** Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding



### USB Charger Receptacles

- Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt DC USB output
- Available in Standard and Hospital Grade
- Weather Resistant Type A&C USB charger
- SNAP*Connect*® devices, reduce labor costs and installation time
- 4 Port and Switch Combo outlets



### Commercial Specification Grade

- Installation ease
  - Single tab breakoff ears
  - Self-grounding staple
  - Easy access split circuit tab
- Tamper-Resistant... **NOT** Plug Resistant™
- Wrap-around galvanized steel straps



### 4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

## Features and Benefits

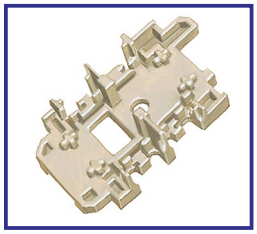


### HBL® Extra Heavy Duty Max Hospital Grade Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.



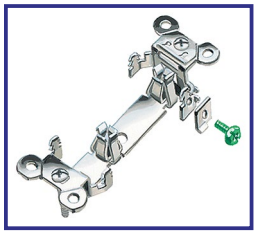
**Housing Design**

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



**Terminals**

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal “bundles” the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



**One-Piece Mounting Strap**

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



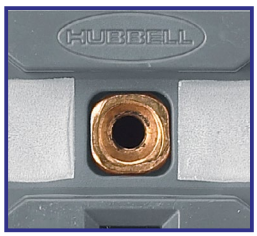
**Contacts**

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



**Identification**

- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL




**Center Rivet**

- Square head, 10-thread bronze center rivet won’t rotate, reduces stripping and resists corrosion

## Features and Benefits



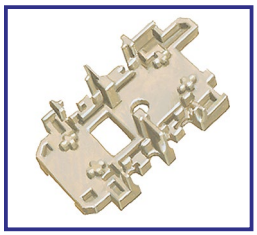
### HBL® Extra Heavy Duty Max Industrial Series

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262.

Whether in a factory, office building or school, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.

- One-piece brass ground strap
- Patented bypass contacts
- Back wired ground terminal reduces installation time and increases convenience

The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout.



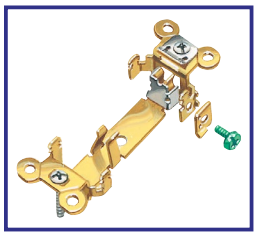
**Housing Design**

- RTP base offers greater heat resistance, plus contact stability
- Providing contact stability, this high tech material will reduce heat buildup, giving you long lasting performance
- Deep nylon body design delivers increased impact resistance



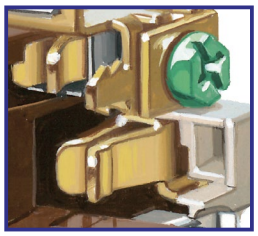
**Terminals**

- External bundling terminals contain wire strands and are designed for quick inspection
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



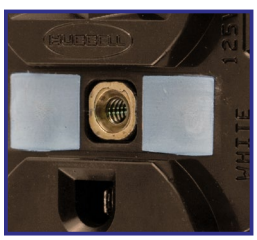
**One-Piece Mounting Strap**

- Back wired ground terminal allows faster, easier installation
- One-piece brass ground strap for low resistance of fault currents
- Patented ground contact provides redundant grounding



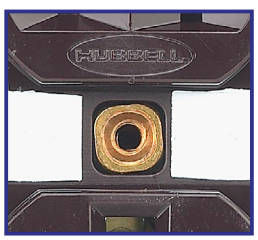
**Contacts**

- Patented "bypass" contacts are made of high grade brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed brass locking arms keep the face locked in place to diminish potential for face/base separation



**Identification**

- I.D. marking surface provides quick, sure circuit identification



**Center Rivet**

- Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion

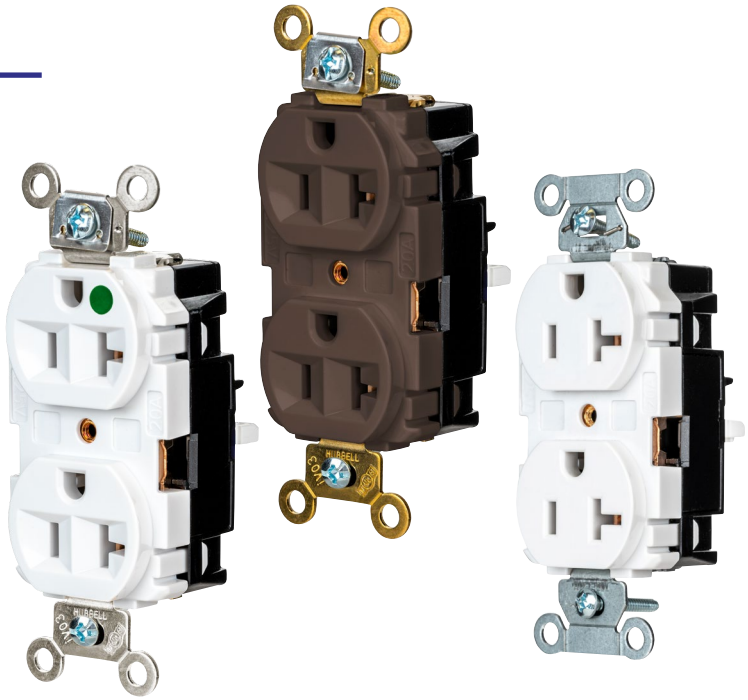
## Features and Benefits

### EdgeConnect™ Spring Termination Receptacles

Hubbell's innovative, patented EdgeConnect™ devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with laser etched terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.





The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect™ devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect™ screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.

# IT'S ABOUT **PERFORMANCE**

**Speed**
80% faster terminations

**Durability**
Built to withstand the industry's harshest environments

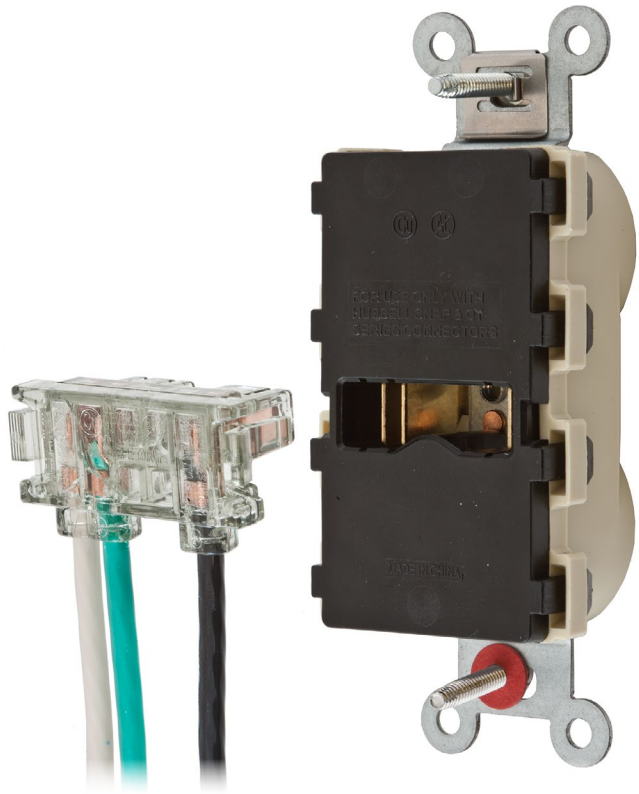
**Performance**
Terminations are 25-60% stronger when subjected to vibration

**Patented**
The only screwless termination in an industrial NEMA wiring device

## Features and Benefits

### SNAP*Connect*® Extra Heavy Duty Receptacles

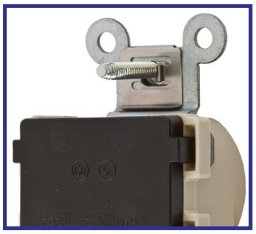
- Modular wiring system eliminates screw terminals
- Speeds installation and trim-out
- Clear polycarbonate terminal housing to inspect contacts
- Available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground





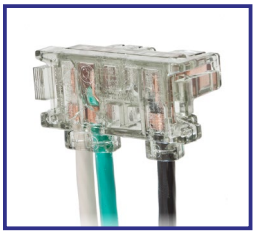
**Housing Design**

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Compact size, requires minimal box space
- Clean finished look



**Installation Ease**

- Self-grounding clip
- Modular receptacle which requires pigtailed connector below



**Identification**

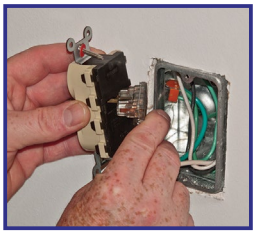
- Clear terminal housing for easy inspection of power contacts
- No exposed metal
- Audible SNAP, indicates solid connection
- Secure, easy grip latch

## Labor Savings



**Save One Minute!**

- Rough-in the SNAP*Connect*® terminal instead of pigtails



**Save Over Three Minutes!**

- Remove protective packaging and SNAP*Connect*® device to the circuit



**Complete Trim-Out in Less Than One Minute!**

- Secure mounting screws, attach wallplate, job complete

# Straight Blade Devices

## Features and Benefits

### Commercial Specification Grade Receptacles

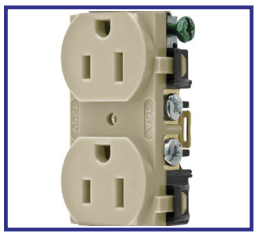
The Hubbell Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Hubbell TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Hubbell to deliver TamperResistant protection that feels like it's not even there.

- Patented TR design eliminates plug-in difficulty and TR complaints
- Perfect for residential TR applications involving tenants with limited dexterity or hand strength
- For use in locations requiring Tamper-Resistant receptacles
- Best-in-class TR mechanism

**Tamper-Resistant**



## Tamper-Resistant... **NOT** Plug Resistant™



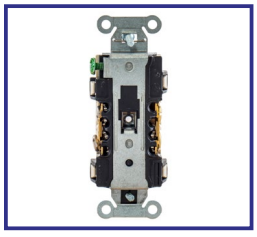
**Housing Design**

- Durable polycarbonate face and base construction
- Modern architectural appearance, Style Line® decorator face



**Tamper-Resistant... NOT Plug Resistant®**

- Patented Cam Action TR Mechanism
- Difficulties due to problematic plugs are minimized



**One-Piece Mounting Strap**

- Sturdy construction, wrap-around galvanized steel straps
- Installation ease
- Single tab breakoff ears
- Self-grounding staple



**Contacts**

- Easy access split circuit tab
- Fork terminal capable
- Oversized terminal screws




**Permanently Marked Receptacles for Automatic Outlet Control Systems**

- These receptacles are embossed with the universally recognized power symbol and the word "CONTROLLED" remains clearly visible after installation
- Available in SNAP*Connect*® and conventionally wired versions



**Nightlight Receptacle**

- Two nightlight LEDs for 0.5 Lumens total
- Tamper-Resistant shutters complies with NEC article 406.12
- Back and side wired

## Features and Benefits

### USB Charger Receptacles and Outlets

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type-C or Type-A port delivers up to 1.5 Amp, 5 Volt (7.5 Watt) of power.

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.



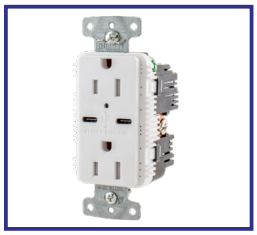
USB Charger Receptacles




4 Port Outlets

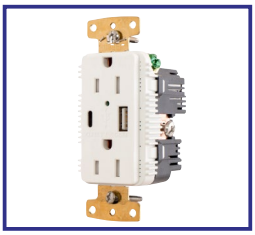
#### Common Features

- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2 and 3.1 Power Delivery specification
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



#### Types of USB Chargers

- Two Type-C ports, one Type A and one Type-C port, or two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



#### Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



#### USB-C Power Delivery Charger Receptacles

- Commercial and Hospital Grade
- Type C/C or Type A/C port configurations
- USB-C port (up to 20 Volt, 55 Watt output)
- 2nd USB-A or USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade



#### SNAPConnect® Receptacle

- SNAPConnect® devices reduce labor time during installation and when being serviced in the future
- Installation ease
- Self-grounding staple



#### Identification

- Patented Hubbell TR technology uses cam action shutters; the friction-free design of the mechanism's doors requires much less force to open
- Green LED indicator to show USB power available



#### 4 Port and Switch Combo Outlets

- 4 Port outlet, Type A&C class 2.0 5 Amp, up to 9 Volt DC
- 4 Port has switch activated port door; when closed, all power is switched OFF
- Switch Combo has two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

*Apple® is a registered trademark of Apple Inc.*
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

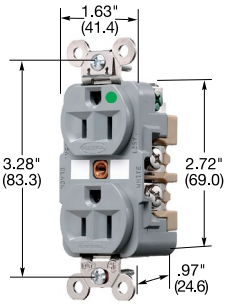
## 15 and 20 Ampere, 125 Volts

**IP20** SUITABILITY

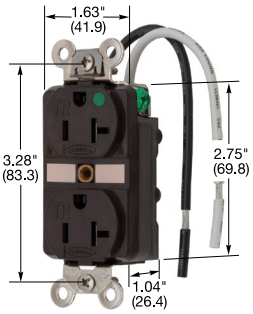
### HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

| | Color | 15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP |
|---|---|---|---|
| **Duplex** | | | |
| Flush, thermoplastic polyester face, back and side wired. | Black | **HBL8200BK** | – |
| | Blue | – | **HBL8300BL** |
| | Brown | **HBL8200** | **HBL8300** |
| | Gray | **HBL8200GY** | **HBL8300GY** |
| | Ivory | **HBL8200I** | **HBL8300I** |
| | Light Almond | **HBL8200LA** | **HBL8300LA** |
| | Red | **HBL8200RED** | **HBL8300RED** |
| | White | **HBL8200W** | **HBL8300W** |
| Flush, LED illuminated face, back and side wired. | Gray | **HBL8200ILGY** | **HBL8300ILGY** |
| | Ivory | **HBL8200ILI** | **HBL8300ILI** |
| | Red | **HBL8200ILR** | **HBL8300ILR** |
| | White | **HBL8200ILW** | **HBL8300ILW** |
| Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c). | Brown | **HBL8200SGA** | **HBL8300SGA** |
| | Gray | **HBL8200SGGYA** | **HBL8300SGGYA** |
| | Ivory | **HBL8200SGIA** | **HBL8300SGIA** |
| | Light Almond | – | **HBL8300SGLA** |
| | Red | **HBL8200SGRA** | **HBL8300SGRA** |
| | White | **HBL8200SGWA** | **HBL8300SGWA** |
| Isolated ground[Δ]. | Orange | **IG8200** | **IG8300** |
| | Red | **IG8200R** | **IG8300R** |
| **MRI Receptacle, Duplex** | | | |
| MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous. | Ivory | **HBL8200IMRI** | **HBL8300IMRI** |
| | Light Almond | **HBL8200LAMRI** | **HBL8300LAMRI** |
| | Red | **HBL8200RMRI** | **HBL8300RMRI** |
| | White | **HBL8200WMRI** | **HBL8300WMRI** |
| **Slender/Compact, Duplex** | | | |
| Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified. | Brown | **HBL8200H** | **HBL8300H** |
| | Gray | **HBL8200HG** | **HBL8300HG** |
| | Green | – | **HBL8300HGN** |
| | Ivory | **HBL8200HI** | **HBL8300HI** |
| | Light Almond | **HBL8200HLA** | **HBL8300HLA** |
| | Red | **HBL8200HRED** | **HBL8300HRED** |
| | White | **HBL8200HW** | **HBL8300HW** |
| **Style Line® Decorator*** | | | |
| Flush, nylon face, back and side wired. | Brown | **HBL2172** | **HBL2182** |
| | Gray | **HBL2172GY** | **HBL2182GY** |
| | Ivory | **HBL2172I** | **HBL2182I** |
| | Red | **HBL2172R** | **HBL2182R** |
| | White | **HBL2172WA** | **HBL2182WA** |
| Isolated ground[Δ]. | Ivory | – | **IG2182I** |
| | Orange | – | **IG2182** |
| | White | – | **IG2182WA** |
| **Single** | | | |
| Flush, nylon face, back and side wired, Fed. Spec. verified. | Brown | **HBL8210** | **HBL8310** |
| | Gray | **HBL8210GY** | **HBL8310GY** |
| | Ivory | **HBL8210I** | **HBL8310I** |
| | Red | **HBL8210R** | **HBL8310R** |
| | White | **HBL8210W** | **HBL8310W** |
| Panel mount on 1.94 in. (49.2) centers. | Brown | **HBL8284** | – |
| | Ivory | **HBL8284I** | **HBL8384I** |
| Isolated ground[Δ]. | Orange | **IG8210** | **IG8310** |

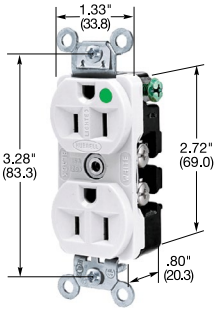
*Note: [Δ]See section N for additional information on isolated ground devices.*
**Not Fed. Spec. Listed.*
*See pages A-47 and A-48 for accessories.*
*See page Tech-10 for Tamper-Resistant description.*
*See section M for additional information on Hospital Grade products.*
*See section O for wallplates.*



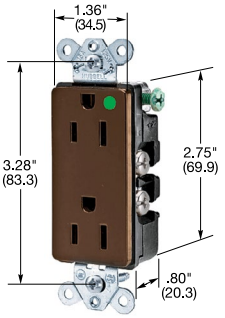
**HBL8200GY**



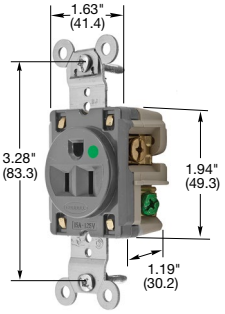
**HBL8300SGA**



**HBL8200ILW**



**HBL2172**

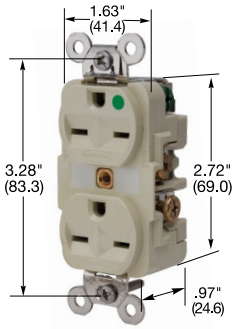


**HBL8210GY**

*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## 15 and 20 Ampere, 125 and 250 Volts




HBL8600I

### HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles



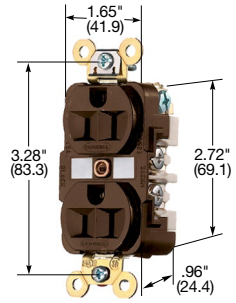

15A 250V
NEMA 6-15R
UL CSA
1.5 HP




20A 250V
NEMA 6-20R
UL CSA
2 HP

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Flush, thermoplastic polyester face, back and side wired. | Brown | **HBL8600** | **HBL8400** |
| | Ivory | **HBL8600I** | **HBL8400I** |

*Note: See page A-48 for accessories.*
*See section N for wallplates.*




HBL5262

### HBL® Extra Heavy Duty Max Specification Grade Receptacles

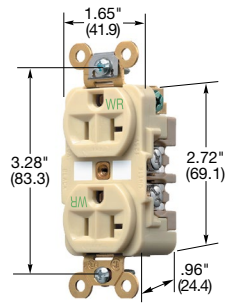



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

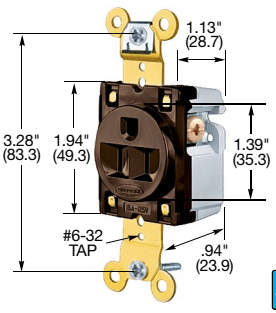



20A 125V
NEMA 5-20R
UL CSA
1 HP

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Flush, nylon face, back and side wired. | Black | **HBL5262BK** | **HBL5362BK** |
| | Blue | **–** | **HBL5362BL** |
| | Brown | **HBL5262** | **HBL5362** |
| | Gray | **HBL5262GY** | **HBL5362GY** |
| | Ivory | **HBL5262I** | **HBL5362I** |
| | Red | **HBL5262R** | **HBL5362R** |
| | White | **HBL5262W** | **HBL5362W** |
| Isolated ground[Δ]. | Gray | **IG5262GY** | **IG5362GY** |
| | Ivory | **IG5262I** | **IG5362I** |
| | Orange | **IG5262** | **IG5362** |
| | Red | **IG5262R** | **IG5362R** |
| | White | **–** | **IG5362W** |
| Non-isolated ground, bulk pack of 100. | Orange | **–** | **HBL5362M4** |
| Weather Resistant, flush, nylon face, back and side wired. | Black | **HBL5262BKWR** | **HBL5362BKWR** |
| | Brown | **HBL5262WR** | **HBL5362WR** |
| | Gray | **HBL5262GYWR** | **HBL5362GYWR** |
| | Ivory | **HBL5262IWR** | **HBL5362IWR** |
| | Red | **HBL5262RWR** | **HBL5362RWR** |
| | White | **HBL5262WWR** | **HBL5362WWR** |
| Corrosion resistant. | Ivory | **HBL52CM62I** | **–** |
| | Yellow | **HBL52CM62** | **HBL53CM62** |
| Weather Resistant, Isolated ground[Δ]. | Gray | **IG5262GYWR** | **IG5362GYWR** |
| | Ivory | **IG5262IWR** | **IG5362IWR** |
| | Orange | **IG5262WR** | **IG5362WR** |
| | Red | **IG5262RWR** | **IG5362RWR** |
| | White | **–** | **IG5362WWR** |
| On 4 in. (101.6) round cover. | Brown | **HBL5282** | **–** |

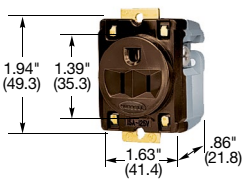



HBL5362IWR




HBL5261

| Single | | | |
|---|---|---|---|
| Flush, nylon face, back and side wired. | Black | **HBL5261BK** | **HBL5361BK** |
| | Brown | **HBL5261** | **HBL5361** |
| | Gray | **–** | **HBL5361GRY** |
| | Ivory | **HBL5261I** | **HBL5361I** |
| | White | **–** | **HBL5361W** |
| Isolated ground[Δ]. | Orange | **IG5261** | **IG5361** |
| Weather Resistant, Isolated ground[Δ]. | Orange | **IG5261WR** | **IG5361WR** |
| Ring terminal connection. | Brown | **HBL5261RT** | **HBL5361RT** |
| | White | **HBL5261WRT** | **–** |
| | Yellow | **HBL5261YRT** | **–** |
| Weather Resistant, flush, nylon face, back and side wired. | Brown | **HBL5261WR** | **HBL5361WR** |
| | Gray | **–** | **HBL5361GRYWR** |
| | Ivory | **HBL5261IWR** | **HBL5361IWR** |
| Corrosion resistant. | Yellow | **HBL52CM61** | **HBL53CM61** |
| Panel mount on 1.94 in. (49.3) centers. | Brown | **HBL5284** | **HBL5357** |




HBL5284

*Note: [Δ]See section N for additional information on isolated ground devices.*
*See pages A-47 and A-48 for accessories.*
*See page Tech-10 for Weather Resistant descriptions.*
*See section O for wallplates.*

*Dimensions in Inches (mm)*

## 15 and 20 Ampere, 125 Volts



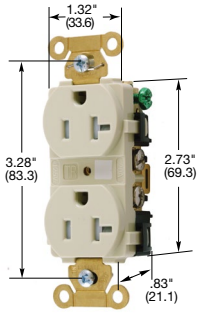

**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### HBL® Extra Heavy Duty Max Tamper-Resistant Receptacles

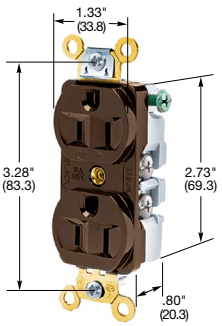
| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Flush, nylon face, Tamper-Resistant, back and side wired. | Black | **HBL5262BKTR** | **HBL5362BKTR** |
| | Blue | **HBL5262BLTR** | **HBL5362BLTR** |
| | Brown | **HBL5262TR** | **HBL5362TR** |
| | Gray | **HBL5262GYTR** | **HBL5362GYTR** |
| | Ivory | **HBL5262ITR** | **HBL5362ITR** |
| | Light Almond | **HBL5262LATR** | **HBL5362LATR** |
| | Red | **HBL5262RTR** | **HBL5362RTR** |
| | White | **HBL5262WTR** | **HBL5362WTR** |



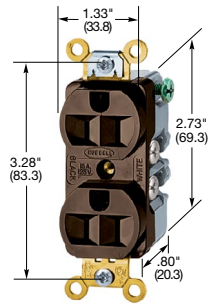

**HBL5362ITR**

### HBL® Extra Heavy Duty Max Compact Receptacles

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Flush, nylon face, back and side wired. | Black | **HBL5252BK** | **HBL5352BK** |
| | Blue | **–** | **HBL5352BL** |
| | Brown | **HBL5252** | **HBL5352** |
| | Gray | **HBL5252GY** | **HBL5352GY** |
| | Ivory | **HBL5252I** | **HBL5352I** |
| | Red | **HBL5252R** | **HBL5352R** |
| | White | **HBL5252W** | **HBL5352W** |
| On a 4 in. (101.6) round cover. | Brown | **HBL5253** | **–** |
| Flush, nylon face, side wired only. | Brown | **HBL5242** | **HBL5342** |
| | Gray | **HBL5242GY** | **HBL5342GY** |
| | Ivory | **HBL5242I** | **HBL5342I** |
| | White | **HBL5242W** | **HBL5342W** |
| Ring terminal connection. | Brown | **HBL5242RT** | **HBL5342RT** |



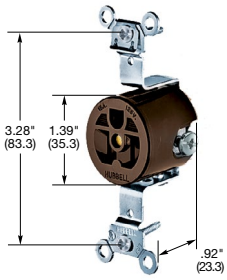

**HBL5252**




**HBL5242**

### Single

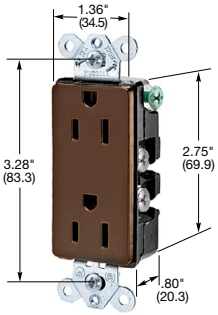
| | | | |
|---|---|---|---|
| Flush, side wired only. | Brown | **HBL5251** | **–** |
| | Ivory | **HBL5251I** | **–** |
| Panel mount 1.75 in. (44.5) centers. | Brown | **HBL5258** | **HBL5358** |
| | Ivory | **HBL5258I** | **–** |




**HBL5251**

### Style Line® Decorator*

| | | | |
|---|---|---|---|
| Flush, nylon face, back and side wired. | Black | **HBL2152BK** | **HBL2162BK** |
| | Brown | **HBL2152** | **HBL2162** |
| | Gray | **HBL2152GY** | **HBL2162GY** |
| | Ivory | **HBL2152I** | **HBL2162I** |
| | White | **HBL2152WA** | **HBL2162WA** |
| Isolated ground[Δ]. | Gray | **–** | **IG2162GY** |
| | Orange | **IG2152** | **IG2162** |

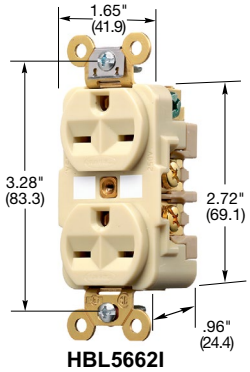



**HBL2152**

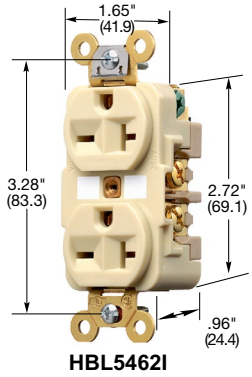
*Note: [Δ]See section N for additional information on isolated ground devices.*
**Style Line Duplex devices are not Fed. Spec. Listed.*
*See page A-47 for accessories.*
*See section O for wallplates.*

*Dimensions in Inches (mm)*

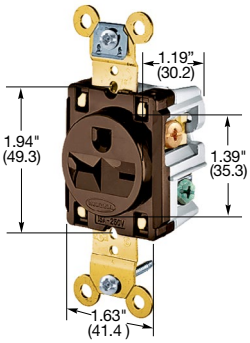
## 15 and 20 Ampere, 250 Volts



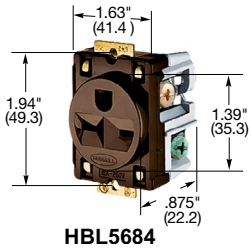
HBL5662I



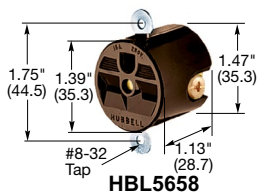
HBL5462I



HBL5661



HBL5684



HBL5658

*Dimensions in Inches (mm)*

### HBL® Extra Heavy Duty Max Specification Grade Receptacles

| | | 15A 250V NEMA 6-15R UL CSA 1.5 HP | 20A 250V NEMA 6-20R UL CSA 2 HP |
|---|---|---|---|
| **Duplex** | Color | Catalog Number | |
| Flush, nylon face, back and side wired, multiple drive screws. | Black | – | **HBL5462BK** |
| | Brown | **HBL5662** | **HBL5462** |
| | Gray | – | **HBL5462GY** |
| | Ivory | **HBL5662I** | **HBL5462I** |
| | Red | – | **HBL5462R** |
| Isolated ground[A]. | Orange | **IG5662** | **IG5462** |
| **Single** | | | |
| Flush, nylon face, back and side wired. | Brown | **HBL5661** | **HBL5461** |
| | Gray | – | **HBL5461GY** |
| | Ivory | **HBL5661I** | **HBL5461I** |
| | Red | – | **HBL5461R** |
| | White | – | **HBL5461W** |
| Isolated ground[A]. | Orange | **IG5661** | **IG5461** |
| Panel mount 1.94 in. (49.3) centers. | Brown | **HBL5684** | – |
| Ring terminal connection. | Brown | **HBL5661RT** | – |
| **Duplex and Single Panel Mount** | | | |
| Flush, nylon duplex face, side wired only. | Brown | **HBL5652** | – |
| | Ivory | **HBL5652I** | – |
| Panel mount 1.75 in. (44.5) centers. | Brown | **HBL5658** | – |

*Note: [A]See section N for additional information on isolated ground devices.*
*HP ratings are AC only.*
*See page A-47 for accessories.*
*See section O for wallplates.*

## 15 and 20 Ampere, 125 Volts

**IP20** SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP

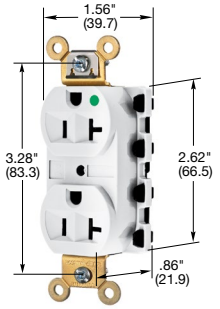
20A 125V NEMA 5-20R UL CSA 1 HP

## SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

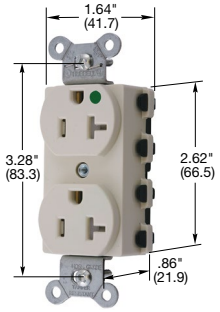
| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-15. | Black | **SNAP8200BKA** | **SNAP8300BKA** |
| | Brown | **SNAP8200A** | **SNAP8300A** |
| | Gray | **SNAP8200GYA** | **SNAP8300GYA** |
| | Ivory | **SNAP8200IA** | **SNAP8300IA** |
| | Light Almond | **SNAP8200LAA** | **SNAP8300LAA** |
| | Red | **SNAP8200RA** | **SNAP8300RA** |
| | White | **SNAP8200WA** | **SNAP8300WA** |
| Hospital grade, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP8200BKNA** | **SNAP8300BKNA** |
| | Brown | **SNAP8200NA** | **SNAP8300NA** |
| | Gray | **SNAP8200GYNA** | **SNAP8300GYNA** |
| | Ivory | **SNAP8200INA** | **SNAP8300INA** |
| | Light Almond | **SNAP8200LANA** | **SNAP8300LANA** |
| | Red | **SNAP8200RNA** | **SNAP8300RNA** |
| | White | **SNAP8200WNA** | **SNAP8300WNA** |
| Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP8200BKTRA** | **SNAP8300BKTRA** |
| | Brown | **SNAP8200TRA** | **SNAP8300TRA** |
| | Gray | **SNAP8200GYTRA** | **SNAP8300GYTRA** |
| | Ivory | **SNAP8200ITRA** | **SNAP8300ITRA** |
| | Light Almond | **SNAP8200LATRA** | **SNAP8300LATRA** |
| | Red | **SNAP8200RTRA** | **SNAP8300RTRA** |
| | White | **SNAP8200WTRA** | **SNAP8300WTRA** |
| Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP8200BKSCTRA** | **SNAP8300BKSCTRA** |
| | Brown | **SNAP8200SCTRA** | **SNAP8300SCTRA** |
| | Gray | **SNAP8200GYSCTRA** | **SNAP8300GYSCTRA** |
| | Ivory | **SNAP8200ISCTRA** | **SNAP8300ISCTRA** |
| | Light Almond | **SNAP8200LASCTRA** | **SNAP8300LASCTRA** |
| | Red | **SNAP8200RSCTRA** | **SNAP8300RSCTRA** |
| | White | **SNAP8200WSCTRA** | **SNAP8300WSCTRA** |
| Isolated ground[Δ], Hospital grade, Tamper-Resistant. | Orange | **SNAP8200IGTRA** | **SNAP8300IGTRA** |
| | Red | **SNAP8200RIGTRA** | **SNAP8300RIGTRA** |
| Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP8200BKL** | **SNAP8300BKL** |
| | Brown | **SNAP8200L** | **SNAP8300L** |
| | Gray | **SNAP8200GYL** | **SNAP8300GYL** |
| | Ivory | **SNAP8200IL** | **SNAP8300IL** |
| | Light Almond | **SNAP8200LAL** | **SNAP8300LAL** |
| | Red | **SNAP8200RL** | **SNAP8300RL** |
| | White | **SNAP8200WL** | **SNAP8300WL** |
| Isolated ground[Δ], Hospital grade, with Power Indicating LED. | Orange | **SNAP8200IGL** | **SNAP8300IGL** |
| | Red | **SNAP8200RIGL** | **SNAP8300RIGL** |
| Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP8200BKLTRA** | **SNAP8300BKLTRA** |
| | Brown | **SNAP8200LTRA** | **SNAP8300LTRA** |
| | Gray | **SNAP8200GYLTRA** | **SNAP8300GYLTRA** |
| | Ivory | **SNAP8200ILTRA** | **SNAP8300ILTRA** |
| | Light Almond | **SNAP8200LALTRA** | **SNAP8300LALTRA** |
| | Red | **SNAP8200RLTRA** | **SNAP8300RLTRA** |
| | White | **SNAP8200WLTRA** | **SNAP8300WLTRA** |
| Hospital grade, Tamper-Resistant, with Power Indicating Face, smooth face, modular receptacle which requires pigtailed connector on page A-15. | Gray | **SNAP8200GYLTR** | **SNAP8300GYLTR** |
| | Ivory | **SNAP8200ILTR** | **SNAP8300ILTR** |
| | Red | **SNAP8200RLTR** | **SNAP8300RLTR** |
| | White | **SNAP8200WLTR** | **SNAP8300WLTR** |
| Isolated ground[Δ], Hospital grade, TR with Power Indicating LED. | Orange | **SNAP8200IGLTRA** | **SNAP8300IGLTRA** |
| | Red | **SNAP8200RIGLTRA** | **SNAP8300RIGLTRA** |

## SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Single Receptacles

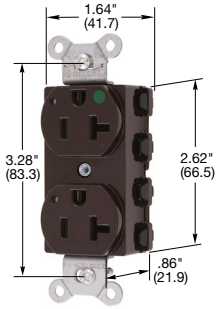
| | Hospital Grade ● | | Hospital Grade ● Tamper-Resistant | |
|---|---|---|---|---|
| Color | 15A 125V | 20A 125V | 15A 125V | 20A 125V |
| Black | **SNAP8210BK** | **SNAP8310BK** | **SNAP8210BKTR** | **SNAP8310BKTR** |
| Blue | **SNAP8210BL** | **SNAP8310BL** | **SNAP8210BLTR** | **SNAP8310BLTR** |
| Brown | **SNAP8210** | **SNAP8310** | **SNAP8210TR** | **SNAP8310TR** |
| Gray | **SNAP8210GY** | **SNAP8310GY** | **SNAP8210GYTR** | **SNAP8310GYTR** |
| Ivory | **SNAP8210I** | **SNAP8310I** | **SNAP8210ITR** | **SNAP8310ITR** |
| Light Almond | **SNAP8210LA** | **SNAP8310LA** | **SNAP8210LATR** | **SNAP8310LATR** |
| Red | **SNAP8210R** | **SNAP8310R** | **SNAP8210RTR** | **SNAP8310RTR** |
| White | **SNAP8210W** | **SNAP8310W** | **SNAP8210WTR** | **SNAP8310WTR** |



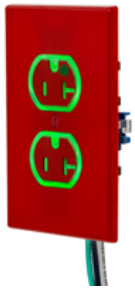
**SNAP8300WA**

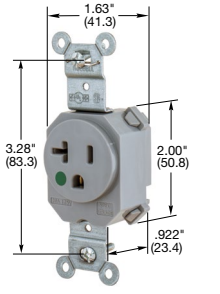


**SNAP8300LATRA**



**SNAP8300L**

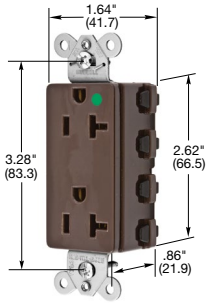

**SNAP8300RLTR**



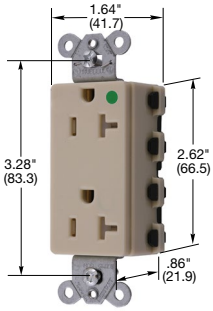
**SNAP8310GY**

*Dimensions in Inches (mm)*

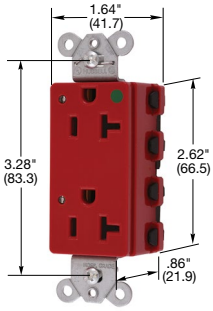
## 15 and 20 Ampere, 125 Volts



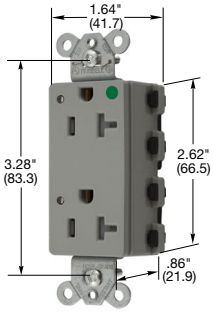
SNAP2182A



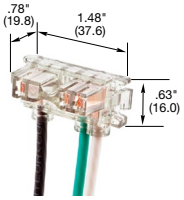
SNAP2182ITRA



SNAP2182RL



SNAP2182GYLTRA



SNAP1RA

*Dimensions in Inches (mm)*

**IP20** SUITABILITY



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

## SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

| Style Line® Decorator | Color | Catalog Number | |
|---|---|---|---|
| Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. | Black | **SNAP2172BKA** | **SNAP2182BKA** |
| | Brown | **SNAP2172A** | **SNAP2182A** |
| | Gray | **SNAP2172GYA** | **SNAP2182GYA** |
| | Ivory | **SNAP2172IA** | **SNAP2182IA** |
| | Light Almond | **SNAP2172LAA** | **SNAP2182LAA** |
| | Red | **SNAP2172RA** | **SNAP2182RA** |
| | White | **SNAP2172WA** | **SNAP2182WA** |
| Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP2172BKNA** | **SNAP2182BKNA** |
| | Brown | **SNAP2172NA** | **SNAP2182NA** |
| | Gray | **SNAP2172GYNA** | **SNAP2182GYNA** |
| | Ivory | **SNAP2172INA** | **SNAP2182INA** |
| | Light Almond | **SNAP2172LANA** | **SNAP2182LANA** |
| | Red | **SNAP2172RNA** | **SNAP2182RNA** |
| | White | **SNAP2172WNA** | **SNAP2182WNA** |
| TR Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP2172BKTRA** | **SNAP2182BKTRA** |
| | Brown | **SNAP2172TRA** | **SNAP2182TRA** |
| | Gray | **SNAP2172GYTRA** | **SNAP2182GYTRA** |
| | Ivory | **SNAP2172ITRA** | **SNAP2182ITRA** |
| | Light Almond | **SNAP2172LATRA** | **SNAP2182LATRA** |
| | Red | **SNAP2172RTRA** | **SNAP2182RTRA** |
| | White | **SNAP2172WTRA** | **SNAP2182WTRA** |
| TR Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP2172BKSCTRA** | **SNAP2182BKSCTRA** |
| | Brown | **SNAP2172SCTRA** | **SNAP2182SCTRA** |
| | Gray | **SNAP2172GYSCTRA** | **SNAP2182GYSCTRA** |
| | Ivory | **SNAP2172ISCTRA** | **SNAP2182ISCTRA** |
| | Light Almond | **SNAP2172LASCTRA** | **SNAP2182LASCTRA** |
| | Red | **SNAP2172RSCTRA** | **SNAP2182RSCTRA** |
| | White | **SNAP2172WSCTRA** | **SNAP2182WSCTRA** |
| Isolated ground[Δ], Hospital grade, Tamper-Resistant. | Orange | **SNAP2172IGTRA** | **SNAP2182IGTRA** |
| | Red | **SNAP2172RIGTRA** | **SNAP2182RIGTRA** |
| PWR Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP2172BKL** | **SNAP2182BKL** |
| | Brown | **SNAP2172L** | **SNAP2182L** |
| | Gray | **SNAP2172GYL** | **SNAP2182GYL** |
| | Ivory | **SNAP2172IL** | **SNAP2182IL** |
| | Light Almond | **SNAP2172LAL** | **SNAP2182LAL** |
| | Red | **SNAP2172RL** | **SNAP2182RL** |
| | White | **SNAP2172WL** | **SNAP2182WL** |
| Isolated ground[Δ], Hospital grade, with Power Indicating LED. | Orange | **SNAP2172IGL** | **SNAP2182IGL** |
| | Red | **SNAP2172RIGL** | **SNAP2182RIGL** |
| PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page A-15. Assembled in USA. | Black | **SNAP2172BKLTRA** | **SNAP2182BKLTRA** |
| | Brown | **SNAP2172LTRA** | **SNAP2182LTRA** |
| | Gray | **SNAP2172GYLTRA** | **SNAP2182GYLTRA** |
| | Ivory | **SNAP2172ILTRA** | **SNAP2182ILTRA** |
| | Light Almond | **SNAP2172LALTRA** | **SNAP2182LALTRA** |
| | Red | **SNAP2172RLTRA** | **SNAP2182RLTRA** |
| | White | **SNAP2172WLTRA** | **SNAP2182WLTRA** |
| Isolated ground[Δ], Hospital grade, TR with Power Indicating LED. | Orange | **SNAP2172IGLTRA** | **SNAP2182IGLTRA** |
| | Red | **SNAP2172RIGLTRA** | **SNAP2182RIGLTRA** |

*Note: ΔSee section N additional information on isolated ground devices and section O for wallplates.*
*See page A-5 for additional information on SNAPConnect features.*
*See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.*
*See pages A-47 and A-48 for accessories.*

## SNAP*Connect*® Right Angle Pigtailed Connector

| Description | Wire Type | General Use | Assembled in USA |
|---|---|---|---|
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material. | Solid | **SNAP1RA** | **SNAP1RNA** |
| | Stranded | **SNAP2RA** | **SNAP2RNA** |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals. | Solid | **SNAP1RAM2** | **SNAP1RNAM2** |
| | Stranded | **SNAP2RAM2** | **SNAP2RNAM2** |

*Note: For Assembled in USA products, must order connector with NA suffix.*

## 15 and 20 Ampere, 125 Volts



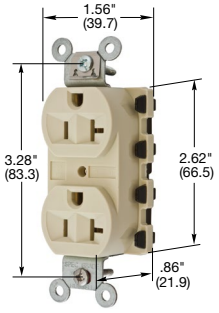

**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



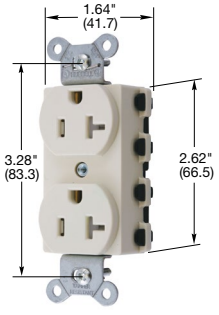

**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### SNAP*Connect*® Extra Heavy Duty Receptacles

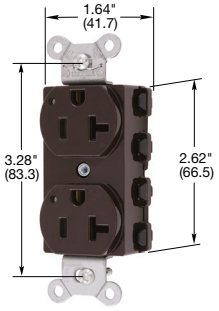
| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Specification grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page A-13. | Black | **SNAP5262BKA** | **SNAP5362BKA** |
| | Brown | **SNAP5262A** | **SNAP5362A** |
| | Gray | **SNAP5262GYA** | **SNAP5362GYA** |
| | Ivory | **SNAP5262IA** | **SNAP5362IA** |
| | Light Almond | **SNAP5262LAA** | **SNAP5362LAA** |
| | Red | **SNAP5262RA** | **SNAP5362RA** |
| | White | **SNAP5262WA** | **SNAP5362WA** |
| Specification grade, smooth, nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA. | Black | **SNAP5262BKNA** | **SNAP5362BKNA** |
| | Brown | **SNAP5262NA** | **SNAP5362NA** |
| | Gray | **SNAP5262GYNA** | **SNAP5362GYNA** |
| | Ivory | **SNAP5262INA** | **SNAP5362INA** |
| | Light Almond | **SNAP5262LANA** | **SNAP5362LANA** |
| | Red | **SNAP5262RNA** | **SNAP5362RNA** |
| | White | **SNAP5262WNA** | **SNAP5362WNA** |
| Specification grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA. | Black | **SNAP5262BKTRA** | **SNAP5362BKTRA** |
| | Blue | **SNAP5262BLTRA** | **SNAP5362BLTRA** |
| | Brown | **SNAP5262TRA** | **SNAP5362TRA** |
| | Gray | **SNAP5262GYTRA** | **SNAP5362GYTRA** |
| | Ivory | **SNAP5262ITRA** | **SNAP5362ITRA** |
| | Light Almond | **SNAP5262LATRA** | **SNAP5362LATRA** |
| | Red | **SNAP5262RTRA** | **SNAP5362RTRA** |
| | White | **SNAP5262WTRA** | **SNAP5362WTRA** |
| Specification grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA. | Black | **SNAP5262BKSCTRA** | **SNAP5362BKSCTRA** |
| | Blue | **SNAP5262BLSCTRA** | **SNAP5362BLSCTRA** |
| | Brown | **SNAP5262SCTRA** | **SNAP5362SCTRA** |
| | Gray | **SNAP5262GYSCTRA** | **SNAP5362GYSCTRA** |
| | Ivory | **SNAP5262ISCTRA** | **SNAP5362ISCTRA** |
| | Light Almond | **SNAP5262LASCTRA** | **SNAP5362LASCTRA** |
| | Red | **SNAP5262RSCTRA** | **SNAP5362RSCTRA** |
| | White | **SNAP5262WSCTRA** | **SNAP5362WSCTRA** |
| Isolated ground[Δ], Specification grade, Tamper-Resistant. | Orange | **SNAP5262IGTRA** | **SNAP5362IGTRA** |
| Spec. grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA. | Black | **SNAP5262BKL** | **SNAP5362BKL** |
| | Blue | **SNAP5262BLL** | **SNAP5362BLL** |
| | Brown | **SNAP5262L** | **SNAP5362L** |
| | Gray | **SNAP5262GYL** | **SNAP5362GYL** |
| | Ivory | **SNAP5262IL** | **SNAP5362IL** |
| | Light Almond | **SNAP5262LAL** | **SNAP5362LAL** |
| | Red | **SNAP5262RL** | **SNAP5362RL** |
| | White | **SNAP5262WL** | **SNAP5362WL** |
| Isolated ground[Δ], Specification grade, with Power Indicating LED. | Orange | **SNAP5262IGL** | **SNAP5362IGL** |
| Specification grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page A-13. Assembled in USA. | Black | **SNAP5262BKLTRA** | **SNAP5362BKLTRA** |
| | Blue | **SNAP5262BLLTRA** | **SNAP5362BLLTRA** |
| | Brown | **SNAP5262LTRA** | **SNAP5362LTRA** |
| | Gray | **SNAP5262GYLTRA** | **SNAP5362GYLTRA** |
| | Ivory | **SNAP5262ILTRA** | **SNAP5362ILTRA** |
| | Light Almond | **SNAP5262LALTRA** | **SNAP5362LALTRA** |
| | Red | **SNAP5262RLTRA** | **SNAP5362RLTRA** |
| | White | **SNAP5262WLTRA** | **SNAP5362WLTRA** |
| Isolated ground[Δ], Specification grade, TR with Power Indicating LED. | Orange | **SNAP5262IGLTRA** | **SNAP5362IGLTRA** |



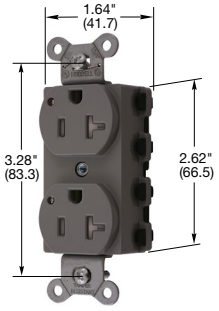

**SNAP5362IA**




**SNAP5362LA-**



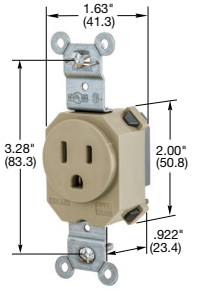

**SNAP5362L**




**SNAP5362GYLTRA**

### SNAP*Connect*® Extra Heavy Duty Standard Single Receptacles

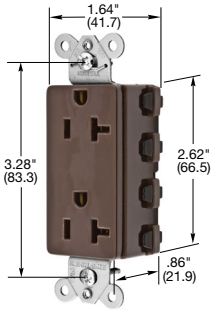
| | Standard Duplex | | Standard Duplex Tamper-Resistant | |
|---|---|---|---|---|
| Color | 15A 125V | 20A 125V | 15A 125V | 20A 125V |
| Black | **SNAP5261BK** | **SNAP5361BK** | **SNAP5261BKTR** | **SNAP5361BKTR** |
| Blue | **SNAP5261BL** | **SNAP5361BL** | **SNAP5261BLTR** | **SNAP5361BLTR** |
| Brown | **SNAP5261** | **SNAP5361** | **SNAP5261TR** | **SNAP5361TR** |
| Gray | **SNAP5261GY** | **SNAP5361GY** | **SNAP5261GYTR** | **SNAP5361GYTR** |
| Ivory | **SNAP5261I** | **SNAP5361I** | **SNAP5261ITR** | **SNAP5361ITR** |
| Light Almond | **SNAP5261LA** | **SNAP5361LA** | **SNAP5261LATR** | **SNAP5361LATR** |
| Red | **SNAP5261R** | **SNAP5361R** | **SNAP5261RTR** | **SNAP5361RTR** |
| White | **SNAP5261W** | **SNAP5361W** | **SNAP5261WTR** | **SNAP5361WTR** |



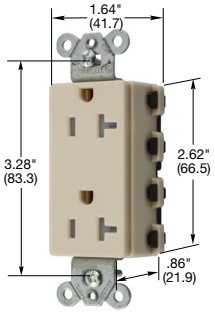

**SNAP5261I**

*Dimensions in Inches (mm)*

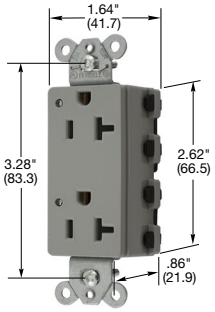
## 15 and 20 Ampere, 125 and 250 Volts



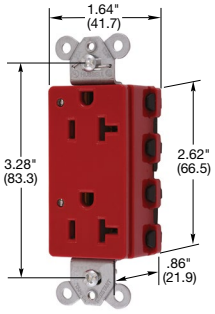

SNAP2162A



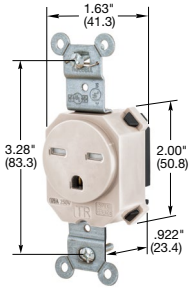

SNAP2162ITRA




SNAP2162GYL




SNAP2162RLTRA




SNAP5661LATR

*Dimensions in Inches (mm)*

### SNAP*Connect*® Extra Heavy Duty Receptacles




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Style Line® Decorator | Color | Catalog Number | |
|---|---|---|---|
| Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. | Black | **SNAP2152BKA** | **SNAP2162BKA** |
| | Brown | **SNAP2152A** | **SNAP2162A** |
| | Gray | **SNAP2152GYA** | **SNAP2162GYA** |
| | Ivory | **SNAP2152IA** | **SNAP2162IA** |
| | Light Almond | **SNAP2152LAA** | **SNAP2162LAA** |
| | Red | **SNAP2152RA** | **SNAP2162RA** |
| | White | **SNAP2152WA** | **SNAP2162WA** |
| Specification grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA. | Black | **SNAP2152BKNA** | **SNAP2162BKNA** |
| | Brown | **SNAP2152NA** | **SNAP2162NA** |
| | Gray | **SNAP2152GYNA** | **SNAP2162GYNA** |
| | Ivory | **SNAP2152INA** | **SNAP2162INA** |
| | Light Almond | **SNAP2152LANA** | **SNAP2162LANA** |
| | Red | **SNAP2152RNA** | **SNAP2162RNA** |
| | White | **SNAP2152WNA** | **SNAP2162WNA** |
| Specification grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA. | Black | **SNAP2152BKTRA** | **SNAP2162BKTRA** |
| | Blue | **SNAP2152BLTRA** | **SNAP2162BLTRA** |
| | Brown | **SNAP2152TRA** | **SNAP2162TRA** |
| | Gray | **SNAP2152GYTRA** | **SNAP2162GYTRA** |
| | Ivory | **SNAP2152ITRA** | **SNAP2162ITRA** |
| | Light Almond | **SNAP2152LATRA** | **SNAP2162LATRA** |
| | Red | **SNAP2152RTRA** | **SNAP2162RTRA** |
| | White | **SNAP2152WTRA** | **SNAP2162WTRA** |
| Specification grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA. | Black | **SNAP2152BKSCTRA** | **SNAP2162BKSCTRA** |
| | Blue | **SNAP2152BLSCTRA** | **SNAP2162BLSCTRA** |
| | Brown | **SNAP2152SCTRA** | **SNAP2162SCTRA** |
| | Gray | **SNAP2152GYSCTRA** | **SNAP2162GYSCTRA** |
| | Ivory | **SNAP2152ISCTRA** | **SNAP2162ISCTRA** |
| | Light Almond | **SNAP2152LASCTRA** | **SNAP2162LASCTRA** |
| | Red | **SNAP2152RSCTRA** | **SNAP2162RSCTRA** |
| | White | **SNAP2152WSCTRA** | **SNAP2162WSCTRA** |
| Isolated ground[Δ], Spec. grade, TR. | Orange | **SNAP2152IGTRA** | **SNAP2162IGTRA** |
| Spec. grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA. | Black | **SNAP2152BKL** | **SNAP2162BKL** |
| | Blue | **SNAP2152BLL** | **SNAP2162BLL** |
| | Brown | **SNAP2152L** | **SNAP2162L** |
| | Gray | **SNAP2152GYL** | **SNAP2162GYL** |
| | Ivory | **SNAP2152IL** | **SNAP2162IL** |
| | Light Almond | **SNAP2152LAL** | **SNAP2162LAL** |
| | Red | **SNAP2152RL** | **SNAP2162RL** |
| | White | **SNAP2152WL** | **SNAP2162WL** |
| Isolated ground[Δ], Spec. grade, with LED. | Orange | **SNAP2152IGL** | **SNAP2162IGL** |
| Specification grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector below. Assembled in USA. | Black | **SNAP2152BKLTRA** | **SNAP2162BKLTRA** |
| | Blue | **SNAP2152BLLTRA** | **SNAP2162BLLTRA** |
| | Brown | **SNAP2152LTRA** | **SNAP2162LTRA** |
| | Gray | **SNAP2152GYLTRA** | **SNAP2162GYLTRA** |
| | Ivory | **SNAP2152ILTRA** | **SNAP2162ILTRA** |
| | Light Almond | **SNAP2152LALTRA** | **SNAP2162LALTRA** |
| | Red | **SNAP2152RLTRA** | **SNAP2162RLTRA** |
| | White | **SNAP2152WLTRA** | **SNAP2162WLTRA** |
| Isolated ground[Δ], Spec. grade, TR with LED. | Orange | **SNAP2152IGLTRA** | **SNAP2162IGLTRA** |

*Note: [Δ]See section N additional information on isolated ground devices.*
*See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.*
*See pages A-47 and A-48 for accessories.*
*See section O for wallplates.*

### SNAP*Connect*® 250V Extra Heavy Duty Standard Single Receptacles

| Description | Color | 15A 250V | 20A 250V |
|---|---|---|---|
| Spec. grade, single modular receptacle Tamper-Resistant, smooth nylon face. Requires pigtailed connector on page A-13. | Black | **SNAP5661BKTR** | **SNAP5461BKTR** |
| | Brown | **SNAP5661BTR** | **SNAP5461BTR** |
| | Gray | **SNAP5661GYTR** | **SNAP5461GYTR** |
| | Ivory | **SNAP5661ITR** | **SNAP5461ITR** |
| | Light Almond | **SNAP5661LATR** | **SNAP5461LATR** |
| | White | **SNAP5661WTR** | **SNAP5461WTR** |

## 15 and 20 Ampere, 125 Volts




### SNAP*Connect*® GFCI LED Hospital Grade ●

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. | Black | - | **SNAPGF83BLK** |
| | Brown | - | **SNAPGF83** |
| | Gray | - | **SNAPGF83GRY** |
| | Ivory | **SNAPGF82I** | **SNAPGF83I** |
| | Light Almond | **SNAPGF82LA** | **SNAPGF83LA** |
| | Red | **SNAPGF82R** | **SNAPGF83R** |
| | White | **SNAPGF82W** | **SNAPGF83W** |



**SNAPGF83R**

### SNAP*Connect*® GFCI LED Hospital Grade ● Tamper and Weather Resistant

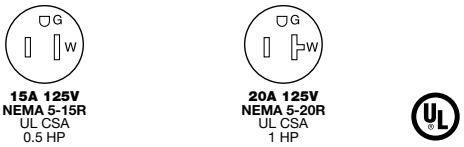
| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. | Black | - | **SNAPGFTW83BLK** |
| | Brown | - | **SNAPGFTW83** |
| | Gray | **SNAPGFTW82GRY** | **SNAPGFTW83GRY** |
| | Ivory | **SNAPGFTW82I** | **SNAPGFTW83I** |
| | Light Almond | **SNAPGFTW82LA** | **SNAPGFTW83LA** |
| | Red | **SNAPGFTW82R** | **SNAPGFTW83R** |
| | White | **SNAPGFTW82W** | **SNAPGFTW83W** |



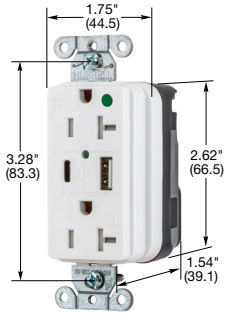
**SNAPGFTW83I**

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

### SNAP*Connect*® USB Charger Hospital Grade ● Duplex Receptacles

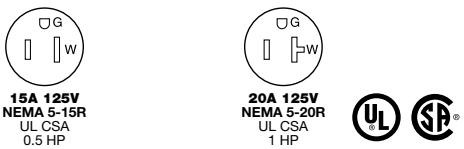



| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAP*Connect* USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output. | Black | **SNAP8200UACBK** | **SNAP8300UACBK** |
| | Brown | **SNAP8200UAC** | **SNAP8300UAC** |
| | Gray | **SNAP8200UACGY** | **SNAP8300UACGY** |
| | Ivory | **SNAP8200UACI** | **SNAP8300UACI** |
| | Light Almond | **SNAP8200UACLA** | **SNAP8300UACLA** |
| | Red | **SNAP8200UACR** | **SNAP8300UACR** |
| | White | **SNAP8200UACW** | **SNAP8300UACW** |

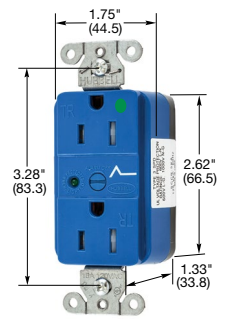



**SNAP8300UACW**

### SNAP*Connect*® Surge Protection Hospital Grade ● Tamper-Resistant Receptacle with Power Indicating LED



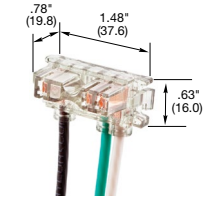

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle. | Blue | **SNAP8262S** | **SNAP8362S** |
| | Gray | **SNAP8262GYS** | **SNAP8362GYS** |
| | Ivory | **SNAP8262IS** | **SNAP8362IS** |
| | Light Almond | **SNAP8262LAS** | **SNAP8362LAS** |
| | Red | **SNAP8262RS** | **SNAP8362RS** |
| | White | **SNAP8262WS** | **SNAP8362WS** |




**SNAP8262S**

### SNAP*Connect*® Right Angle Pigtailed Connector

| Description | Wire Type | General Use | Assembled in USA |
|---|---|---|---|
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material. | Solid | **SNAP1RA** | **SNAP1RNA** |
| | Stranded | **SNAP2RA** | **SNAP2RNA** |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals. | Solid | **SNAP1RAM2** | **SNAP1RNAM2** |
| | Stranded | **SNAP2RAM2** | **SNAP2RNAM2** |

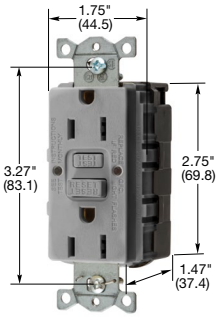



**SNAP1RA**

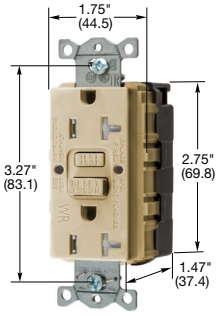
*Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.*

*Dimensions in Inches (mm)*

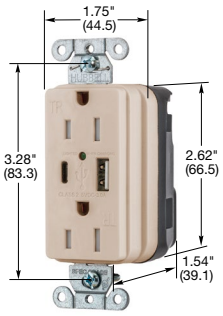
## 15 and 20 Ampere, 125 Volts



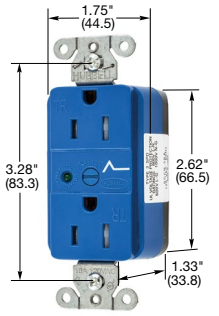

GFRST15SNAPGY



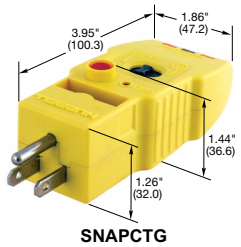

GFTWRST20SNAPI




SNAP15UACLA




SNAP5262S




SNAPCTG

*Dimensions in Inches (mm)*




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

Meets UL Standard 943 Class A GFCI

Fed.Spec.

### SNAP*Connect*® GFCI LED

| Description | Color | Catalog Number | |
|---|---|---|---|
| SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA. | Black | **GFRST15SNAPBK** | **GFRST20SNAPBK** |
| | Brown | **GFRST15SNAP** | **GFRST20SNAP** |
| | Gray | **GFRST15SNAPGY** | **GFRST20SNAPGY** |
| | Ivory | **GFRST15SNAPI** | **GFRST20SNAPI** |
| | Light Almond | **GFRST15SNAPLA** | **GFRST20SNAPLA** |
| | Red | **GFRST15SNAPR** | **GFRST20SNAPR** |
| | White | **GFRST15SNAPW** | **GFRST20SNAPW** |

### SNAP*Connect*® GFCI LED, Tamper and Weather Resistant

| Description | Color | Catalog Number | |
|---|---|---|---|
| SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA. | Black | **GFTWRST15SNAPBK** | **GFTWRST20SNAPBK** |
| | Brown | **GFTWRST15SNAP** | **GFTWRST20SNAP** |
| | Gray | **GFTWRST15SNAPGY** | **GFTWRST20SNAPGY** |
| | Ivory | **GFTWRST15SNAPI** | **GFTWRST20SNAPI** |
| | Light Almond | **GFTWRST15SNAPLA** | **GFTWRST20SNAPLA** |
| | Red | **GFTWRST15SNAPR** | **GFTWRST20SNAPR** |
| | White | **GFTWRST15SNAPW** | **GFTWRST20SNAPW** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### SNAP*Connect*® USB Charger, Duplex Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| SNAP*Connect* USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output. | Black | **SNAP15UACBK** | **SNAP20UACBK** |
| | Brown | **SNAP15UAC** | **SNAP20UAC** |
| | Gray | **SNAP15UACGY** | **SNAP20UACGY** |
| | Ivory | **SNAP15UACI** | **SNAP20UACI** |
| | Light Almond | **SNAP15UACLA** | **SNAP20UACLA** |
| | White | **SNAP15UACW** | **SNAP20UACW** |




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### SNAP*Connect*® Surge Protection, Tamper-Resistant Receptacle with Power Indicating LED

| Description | Color | Catalog Number | |
|---|---|---|---|
| SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle. | Blue | **SNAP5262S** | **SNAP5362S** |
| | Gray | **SNAP5262GYS** | **SNAP5362GYS** |
| | Ivory | **SNAP5262IS** | **SNAP5362IS** |
| | Light Almond | **SNAP5262LAS** | **SNAP5362LAS** |
| | White | **SNAP5262WS** | **SNAP5362WS** |

### SNAP*Connect*® Tester

| Description | Catalog Number |
|---|---|
| Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles. | **SNAPCTG** |

*Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.*

## 15 and 20 Ampere, 125 Volts

IP20 SUITABILITY




15A 125V
NEMA 5-15R
UL CSA
0.5 HP




20A 125V
NEMA 5-20R
UL CSA
1 HP

### EdgeConnect™ HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade, Finder Groove Face, Spring Termination | Black | **HBL8200STBK** | **HBL8300STBK** |
| | Blue | **HBL8200STBL** | **HBL8300STBL** |
| | Brown | **HBL8200ST** | **HBL8300ST** |
| | Gray | **HBL8200STGY** | **HBL8300STGY** |
| | Green | **HBL8200STGN** | **HBL8300STGN** |
| | Ivory | **HBL8200STI** | **HBL8300STI** |
| | Light Almond | **HBL8200STLA** | **HBL8300STLA** |
| | Orange | **HBL8200STO** | **HBL8300STO** |
| | Red | **HBL8200STR** | **HBL8300STR** |
| | White | **HBL8200STW** | **HBL8300STW** |

### EdgeConnect™ Style Line® Decorator*

| | | | |
|---|---|---|---|
| Hospital Grade, Decorator, Spring Termination | Black | **HBL2172STBK** | **HBL2182STBK** |
| | Blue | **HBL2172STBL** | **HBL2182STBL** |
| | Brown | **HBL2172ST** | **HBL2182ST** |
| | Gray | **HBL2172STGY** | **HBL2182STGY** |
| | Green | **HBL2172STGN** | **HBL2182STGN** |
| | Ivory | **HBL2172STI** | **HBL2182STI** |
| | Light Almond | **HBL2172STLA** | **HBL2182STLA** |
| | Orange | **HBL2172STO** | **HBL2182STO** |
| | Red | **HBL2172STR** | **HBL2182STR** |
| | White | **HBL2172STW** | **HBL2182STW** |
| Hospital Grade, Tamper-Resistant, Decorator, Spring Termination | Black | **HBL2172STBKTR** | **HBL2182STBKTR** |
| | Blue | **HBL2172STBLTR** | **HBL2182STBLTR** |
| | Brown | **HBL2172STTR** | **HBL2182STTR** |
| | Gray | **HBL2172STGYTR** | **HBL2182STGYTR** |
| | Green | **HBL2172STGNTR** | **HBL2182STGNTR** |
| | Ivory | **HBL2172STITR** | **HBL2182STITR** |
| | Light Almond | **HBL2172STLATR** | **HBL2182STLATR** |
| | Orange | **HBL2172STOTR** | **HBL2182STOTR** |
| | Red | **HBL2172STRTR** | **HBL2182STRTR** |
| | White | **HBL2172STWTR** | **HBL2182STWTR** |

### EdgeConnect™ HBL® Extra Heavy Duty Max Specification Grade Receptacles

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Finder Groove Face, Spring Termination | Black | **HBL5262STBK** | **HBL5362STBK** |
| | Blue | **HBL5262STBL** | **HBL5362STBL** |
| | Brown | **HBL5262ST** | **HBL5362ST** |
| | Gray | **HBL5262STGY** | **HBL5362STGY** |
| | Green | **HBL5262STGN** | **HBL5362STGN** |
| | Ivory | **HBL5262STI** | **HBL5362STI** |
| | Light Almond | **HBL5262STLA** | **HBL5362STLA** |
| | Orange | **HBL5262STO** | **HBL5362STO** |
| | Red | **HBL5262STR** | **HBL5362STR** |
| | White | **HBL5262STW** | **HBL5362STW** |
| Tamper-Resistant, Smooth Face, Spring Termination | Black | **HBL5262STBKTR** | **HBL5362STBKTR** |
| | Blue | **HBL5262STBLTR** | **HBL5362STBLTR** |
| | Brown | **HBL5262STTR** | **HBL5362STTR** |
| | Gray | **HBL5262STGYTR** | **HBL5362STGYTR** |
| | Green | **HBL5262STGNTR** | **HBL5362STGNTR** |
| | Ivory | **HBL5262STITR** | **HBL5362STITR** |
| | Light Almond | **HBL5262STLATR** | **HBL5362STLATR** |
| | Orange | **HBL5262STOTR** | **HBL5362STOTR** |
| | Red | **HBL5262STRTR** | **HBL5362STRTR** |
| | White | **HBL5262STWTR** | **HBL5362STWTR** |



**HBL8200STBK**



**HBL2182STGY**



**HBL2172STOTR**



**HBL2182STRTR**



**HBL5362STBK**

*Dimensions in Inches (mm)*

## 15 and 20 Ampere, 125 and 250 Volts



HBL2152STBK



HBL2162STLA



HBL2152STGYTR



8200STGY



8300STTR

### EdgeConnect™ HBL® Extra Heavy Duty Max Specification Grade Receptacles




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

#### Style Line® Decorator*

| | | | |
|---|---|---|---|
| Decorator, Spring Termination | Black | **HBL2152STBK** | **HBL2162STBK** |
| | Blue | **HBL2152STBL** | **HBL2162STBL** |
| | Brown | **HBL2152ST** | **HBL2162ST** |
| | Gray | **HBL2152STGY** | **HBL2162STGY** |
| | Green | **HBL2152STGN** | **HBL2162STGN** |
| | Ivory | **HBL2152STI** | **HBL2162STI** |
| | Light Almond | **HBL2152STLA** | **HBL2162STLA** |
| | Orange | **HBL2152STO** | **HBL2162STO** |
| | Red | **HBL2152STR** | **HBL2162STR** |
| | White | **HBL2152STW** | **HBL2162STW** |
| Tamper-Resistant, Decorator, Spring Termination TR | Black | **HBL2152STBKTR** | **HBL2162STBKTR** |
| | Blue | **HBL2152STBLTR** | **HBL2162STBLTR** |
| | Brown | **HBL2152STTR** | **HBL2162STTR** |
| | Gray | **HBL2152STGYTR** | **HBL2162STGYTR** |
| | Green | **HBL2152STGNTR** | **HBL2162STGNTR** |
| | Ivory | **HBL2152STITR** | **HBL2162STITR** |
| | Light Almond | **HBL2152STLATR** | **HBL2162STLATR** |
| | Orange | **HBL2152STOTR** | **HBL2162STOTR** |
| | Red | **HBL2152STRTR** | **HBL2162STRTR** |
| | White | **HBL2152STWTR** | **HBL2162STWTR** |

### EdgeConnect™ Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

#### Duplex

| | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade, Smooth Face, Spring Termination | Black | **8200STBK** | **8300STBK** |
| | Blue | **8200STBL** | **8300STBL** |
| | Brown | **8200ST** | **8300ST** |
| | Gray | **8200STGY** | **8300STGY** |
| | Green | **8200STGN** | **8300STGN** |
| | Ivory | **8200STI** | **8300STI** |
| | Light Almond | **8200STLA** | **8300STLA** |
| | Orange | **8200STO** | **8300STO** |
| | Red | **8200STR** | **8300STR** |
| | White | **8200STW** | **8300STW** |
| Hospital Grade, Tamper-Resistant, Smooth Face, Spring Termination TR | Black | **8200STBKTR** | **8300STBKTR** |
| | Blue | **8200STBLTR** | **8300STBLTR** |
| | Brown | **8200STTR** | **8300STTR** |
| | Gray | **8200STGYTR** | **8300STGYTR** |
| | Green | **8200STGNTR** | **8300STGNTR** |
| | Ivory | **8200STITR** | **8300STITR** |
| | Light Almond | **8200STLATR** | **8300STLATR** |
| | Orange | **8200STOTR** | **8300STOTR** |
| | Red | **8200STRTR** | **8300STRTR** |
| | White | **8200STWTR** | **8300STWTR** |

### EdgeConnect™ Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

| | | | |
|---|---|---|---|
| Smooth face, duplex, spring termination | Black | **5252STBK** | **5352STBK** |
| | Blue | **5252STBL** | **5352STBL** |
| | Brown | **5252ST** | **5352ST** |
| | Gray | **5252STGY** | **5352STGY** |
| | Green | **5252STGN** | **5352STGN** |
| | Ivory | **5252STI** | **5352STI** |
| | Light Almond | **5252STLA** | **5352STLA** |
| | Orange | **5252STO** | **5352STO** |
| | Red | **5252STR** | **5352STR** |
| | White | **5252STW** | **5352STW** |

# Straight Blade Devices

## 15 and 20 Ampere, 125 Volts

**IP20** SUITABILITY

| EdgeConnect™ Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles | Color | 15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP |
|---|---|---|---|
| Finder Groove face, duplex, spring termination | Black | 5262STBK | 5362STBK |
| | Blue | 5262STBL | 5362STBL |
| | Brown | 5262ST | 5362ST |
| | Gray | 5262STGY | 5362STGY |
| | Green | 5262STGN | 5362STGN |
| | Ivory | 5262STI | 5362STI |
| | Light Almond | 5262STLA | 5362STLA |
| | Orange | 5262STO | 5362STO |
| | Red | 5262STR | 5362STR |
| | White | 5262STW | 5362STW |
| Tamper-Resistant, smooth face, duplex, spring termination | Black | 5262STBKTR | 5362STBKTR |
| | Blue | 5262STBLTR | 5362STBLTR |
| | Brown | 5262STTR | 5362STTR |
| | Gray | 5262STGYTR | 5362STGYTR |
| | Green | 5262STGNTR | 5362STGNTR |
| | Ivory | 5262STITR | 5362STITR |
| | Light Almond | 5262STLATR | 5362STLATR |
| | Orange | 5262STOTR | 5362STOTR |
| | Red | 5262STRTR | 5362STRTR |
| | White | 5262STWTR | 5362STWTR |



5362STI



5362STWTR

| EdgeConnect™ Commercial Specification Grade Receptacles | | | |
|---|---|---|---|
| **Duplex** | Color | Catalog Number | |
| Smooth face, duplex, spring termination | Black | BR15STBK | BR20STBK |
| | Blue | BR15STBL | BR20STBL |
| | Brown | BR15ST | BR20ST |
| | Gray | BR15STGY | BR20STGY |
| | Green | BR15STGN | BR20STGN |
| | Ivory | BR15STI | BR20STI |
| | Light Almond | BR15STLA | BR20STLA |
| | Orange | BR15STO | BR20STO |
| | Red | BR15STR | BR20STR |
| | White | BR15STW | BR20STW |
| Tamper-Resistant, smooth face, duplex, spring termination | Black | BR15STBKTR | BR20STBKTR |
| | Blue | BR15STBLTR | BR20STBLTR |
| | Brown | BR15STTR | BR20STTR |
| | Gray | BR15STGYTR | BR20STGYTR |
| | Green | BR15STGNTR | BR20STGNTR |
| | Ivory | BR15STITR | BR20STITR |
| | Light Almond | BR15STLATR | BR20STLATR |
| | Orange | BR15STOTR | BR20STOTR |
| | Red | BR15STRTR | BR20STRTR |
| | White | BR15STWTR | BR20STWTR |



BR20STGY



BR20STWTR

| EdgeConnect™ Style Line® Decorator* | | | |
|---|---|---|---|
| Style Line® decorator duplex, spring termination | Black | DR15STBK | DR20STBK |
| | Blue | DR15STBL | DR20STBL |
| | Brown | DR15ST | DR20ST |
| | Gray | DR15STGY | DR20STGY |
| | Green | DR15STGN | DR20STGN |
| | Ivory | DR15STI | DR20STI |
| | Light Almond | DR15STLA | DR20STLA |
| | Orange | DR15STO | DR20STO |
| | Red | DR15STR | DR20STR |
| | White | DR15STW | DR20STW |
| Tamper-Resistant, Style Line® decorator duplex, spring termination | Black | DR15STBKTR | DR20STBKTR |
| | Blue | DR15STBLTR | DR20STBLTR |
| | Brown | DR15STTR | DR20STTR |
| | Gray | DR15STGYTR | DR20STGYTR |
| | Green | DR15STGNTR | DR20STGNTR |
| | Ivory | DR15STITR | DR20STITR |
| | Light Almond | DR15STLATR | DR20STLATR |
| | Orange | DR15STOTR | DR20STOTR |
| | Red | DR15STRTR | DR20STRTR |
| | White | DR15STWTR | DR20STWTR |



DR20STW

## 15 and 20 Ampere, 125 Volts




HBL5262STWWR




DR20STWWR




DR15STIWRTR




BR15STGYWR

*Dimensions in Inches (mm)*

| | | IP20 SUITABILITY | 15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP |
|---|---|---|---|---|
| **EdgeConnect™ HBL® Extra Heavy Duty Specification Grade Receptacles** | | | | |
| Weather Resistant, Finder Groove Face, Spring Termination | Black | | HBL5262STBKWR | HBL5362STBKWR |
| | Blue | | HBL5262STBLWR | HBL5362STBLWR |
| | Brown | | HBL5262STWR | HBL5362STWR |
| | Gray | | HBL5262STGYWR | HBL5362STGYWR |
| | Green | | HBL5262STGNWR | HBL5362STGNWR |
| | Ivory | | HBL5262STIWR | HBL5362STIWR |
| | Light Almond | | HBL5262STLAWR | HBL5362STLAWR |
| | Orange | | HBL5262STOWR | HBL5362STOWR |
| | Red | | HBL5262STRWR | HBL5362STRWR |
| | White | | HBL5262STWWR | HBL5362STWWR |
| **EdgeConnect™ Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles** | | | | |
| Weather Resistant, Finder Groove face, duplex, spring termination | Black | | 5262STBKWR | 5362STBKWR |
| | Blue | | 5262STBLWR | 5362STBLWR |
| | Brown | | 5262STWR | 5362STWR |
| | Gray | | 5262STGYWR | 5362STGYWR |
| | Green | | 5262STGNWR | 5362STGNWR |
| | Ivory | | 5262STIWR | 5362STIWR |
| | Light Almond | | 5262STLAWR | 5362STLAWR |
| | Orange | | 5262STOWR | 5362STOWR |
| | Red | | 5262STRWR | 5362STRWR |
| | White | | 5262STWWR | 5362STWWR |
| **EdgeConnect™ Commercial Specification Grade Receptacles** | | | | |
| Weather Resistant, Smooth face, duplex, spring termination | Black | | BR15STBKWR | BR20STBKWR |
| | Blue | | BR15STBLWR | BR20STBLWR |
| | Brown | | BR15STWR | BR20STWR |
| | Gray | | BR15STGYWR | BR20STGYWR |
| | Green | | BR15STGNWR | BR20STGNWR |
| | Ivory | | BR15STIWR | BR20STIWR |
| | Light Almond | | BR15STLAWR | BR20STLAWR |
| | Orange | | BR15STOWR | BR20STOWR |
| | Red | | BR15STRWR | BR20STRWR |
| | White | | BR15STWWR | BR20STWWR |
| Weather Resistant, Tamper-Resistant, smooth face, duplex, spring termination | Black | | BR15STBKWRTR | BR20STBKWRTR |
| | Blue | | BR15STBLWRTR | BR20STBLWRTR |
| | Brown | | BR15STWRTR | BR20STWRTR |
| | Gray | | BR15STGYWRTR | BR20STGYWRTR |
| | Green | | BR15STGNWRTR | BR20STGNWRTR |
| | Ivory | | BR15STIWRTR | BR20STIWRTR |
| | Light Almond | | BR15STLAWRTR | BR20STLAWRTR |
| | Orange | | BR15STOWRTR | BR20STOWRTR |
| | Red | | BR15STRWRTR | BR20STRWRTR |
| | White | | BR15STWWRTR | BR20STWWRTR |
| Weather Resistant, Style Line® decorator duplex, spring termination | Black | | DR15STBKWR | DR20STBKWR |
| | Blue | | DR15STBLWR | DR20STBLWR |
| | Brown | | DR15STWR | DR20STWR |
| | Gray | | DR15STGYWR | DR20STGYWR |
| | Green | | DR15STGNWR | DR20STGNWR |
| | Ivory | | DR15STIWR | DR20STIWR |
| | Light Almond | | DR15STLAWR | DR20STLAWR |
| | Orange | | DR15STOWR | DR20STOWR |
| | Red | | DR15STRWR | DR20STRWR |
| | White | | DR15STWWR | DR20STWWR |
| Weather Resistant, Tamper-Resistant, Style Line® decorator duplex, spring termination | Black | | DR15STBKWRTR | DR20STBKWRTR |
| | Blue | | DR15STBLWRTR | DR20STBLWRTR |
| | Brown | | DR15STWRTR | DR20STWRTR |
| | Gray | | DR15STGYWRTR | DR20STGYWRTR |
| | Green | | DR15STGNWRTR | DR20STGNWRTR |
| | Ivory | | DR15STIWRTR | DR20STIWRTR |
| | Light Almond | | DR15STLAWRTR | DR20STLAWRTR |
| | Orange | | DR15STOWRTR | DR20STOWRTR |
| | Red | | DR15STRWRTR | DR20STRWRTR |
| | White | | DR15STWWRTR | DR20STWWRTR |

## 15 and 20 Ampere, 125 Volts



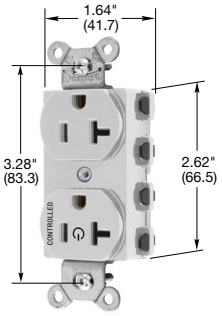




- Permanent power symbol remains clearly visible after installation
- Control both outlets per device for 100% controlled applications or just one outlet for 50% controlled applications
- Ideal for commercial buildings, retail, schools, hotel rooms
- Part of the Hubbell Load:Logic® Plug Control system

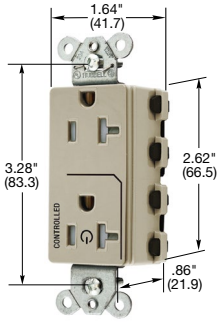
### SNAP*Connect*® Permanently Marked Receptacles

| Duplex | Color | One Controlled Face Split Circuit Hot Tab 15 Amp | One Controlled Face Split Circuit Hot Tab 20 Amp | Two Controlled Faces 15 Amp | Two Controlled Faces 20 Amp |
|---|---|---|---|---|---|
| SNAP*Connect*® standard duplex, permanently marked for use with automatic plugload controls. | Black | **SNAP5262C1BK** | **SNAP5362C1BK** | **SNAP5262C2BK** | **SNAP5362C2BK** |
| | Blue | **SNAP5262C1BL** | **SNAP5362C1BL** | **SNAP5262C2BL** | **SNAP5362C2BL** |
| | Brown | **SNAP5262C1** | **SNAP5362C1** | **SNAP5262C2** | **SNAP5362C2** |
| | Gray | **SNAP5262C1GY** | **SNAP5362C1GY** | **SNAP5262C2GY** | **SNAP5362C2GY** |
| | Green | **SNAP5262C1GN** | **SNAP5362C1GN** | **SNAP5262C2GN** | **SNAP5362C2GN** |
| | Ivory | **SNAP5262C1I** | **SNAP5362C1I** | **SNAP5262C2I** | **SNAP5362C2I** |
| | Lt. Almond | **SNAP5262C1LA** | **SNAP5362C1LA** | **SNAP5262C2LA** | **SNAP5362C2LA** |
| | Red | **SNAP5262C1R** | **SNAP5362C1R** | **SNAP5262C2R** | **SNAP5362C2R** |
| | White | **SNAP5262C1W** | **SNAP5362C1W** | **SNAP5262C2W** | **SNAP5362C2W** |
| SNAP*Connect*® Tamper-Resistant, standard duplex, permanently marked for use with automatic plugload controls. | Black | **SNAP5262C1BKTRA** | **SNAP5362C1BKTRA** | **SNAP5262C2BKTRA** | **SNAP5362C2BKTRA** |
| | Brown | **SNAP5262C1TRA** | **SNAP5362C1TRA** | **SNAP5262C2TRA** | **SNAP5362C2TRA** |
| | Gray | **SNAP5262C1GYTRA** | **SNAP5362C1GYTRA** | **SNAP5262C2GYTRA** | **SNAP5362C2GYTRA** |
| | Green | **SNAP5262C1GNTRA** | **SNAP5362C1GNTRA** | **SNAP5262C2GNTRA** | **SNAP5362C2GNTRA** |
| | Ivory | **SNAP5262C1ITRA** | **SNAP5362C1ITRA** | **SNAP5262C2ITRA** | **SNAP5362C2ITRA** |
| | Lt. Almond | **SNAP5262C1LATRA** | **SNAP5362C1LATRA** | **SNAP5262C2LATRA** | **SNAP5362C2LATRA** |
| | White | **SNAP5262C1WTRA** | **SNAP5362C1WTRA** | **SNAP5262C2WTRA** | **SNAP5362C2WTRA** |
| **Style Line® Decorator** | | | | | |
| SNAP*Connect*® decorator duplex, permanently marked for use with automatic plugload controls. | Black | **SNAP2152C1BK** | **SNAP2162C1BK** | **SNAP2152C2BK** | **SNAP2162C2BK** |
| | Blue | **SNAP2152C1BL** | **SNAP2162C1BL** | **SNAP2152C2BL** | **SNAP2162C2BL** |
| | Brown | **SNAP2152C1** | **SNAP2162C1** | **SNAP2152C2** | **SNAP2162C2** |
| | Gray | **SNAP2152C1GY** | **SNAP2162C1GY** | **SNAP2152C2GY** | **SNAP2162C2GY** |
| | Green | **SNAP2152C1GN** | **SNAP2162C1GN** | **SNAP2152C2GN** | **SNAP2162C2GN** |
| | Ivory | **SNAP2152C1I** | **SNAP2162C1I** | **SNAP2152C2I** | **SNAP2162C2I** |
| | Lt. Almond | **SNAP2152C1LA** | **SNAP2162C1LA** | **SNAP2152C2LA** | **SNAP2162C2LA** |
| | Red | **SNAP2152C1R** | **SNAP2162C1R** | **SNAP2152C2R** | **SNAP2162C2R** |
| | White | **SNAP2152C1W** | **SNAP2162C1W** | **SNAP2152C2W** | **SNAP2162C2W** |
| SNAP*Connect*® Tamper-Resistant, decorator duplex, permanently marked for use with automatic plugload controls. | Black | **SNAP2152C1BKTRA** | **SNAP2162C1BKTRA** | **SNAP2152C2BKTRA** | **SNAP2162C2BKTRA** |
| | Brown | **SNAP2152C1TRA** | **SNAP2162C1TRA** | **SNAP2152C2TRA** | **SNAP2162C2TRA** |
| | Gray | **SNAP2152C1GYTRA** | **SNAP2162C1GYTRA** | **SNAP2152C2GYTRA** | **SNAP2162C2GYTRA** |
| | Green | **SNAP2152C1GNTRA** | **SNAP2162C1GNTRA** | **SNAP2152C2GNTRA** | **SNAP2162C2GNTRA** |
| | Ivory | **SNAP2152C1ITRA** | **SNAP2162C1ITRA** | **SNAP2152C2ITRA** | **SNAP2162C2ITRA** |
| | Lt. Almond | **SNAP2152C1LATRA** | **SNAP2162C1LATRA** | **SNAP2152C2LATRA** | **SNAP2162C2LATRA** |
| | White | **SNAP2152C1WTRA** | **SNAP2162C1WTRA** | **SNAP2152C2WTRA** | **SNAP2162C2WTRA** |




**SNAP5362C1W**

TR

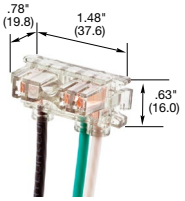



**SNAP2162C1ITRA**

TR

### SNAP*Connect*® Right Angle Pigtailed Connector

| Description | Solid Wire | Stranded Wire |
|---|---|---|
| Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2; Polycarbonate housing material. | **SNAP1RA** | **SNAP2RA** |



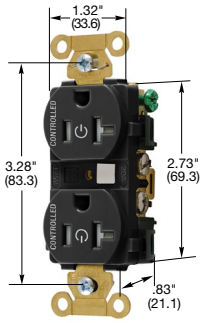

**SNAP1RA**

### Permanent Controlled Receptacle Label

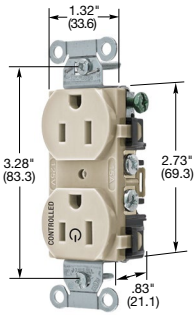
| Description | Catalog Number |
|---|---|
| For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack. | **CL60** |

*Dimensions in Inches (mm)*

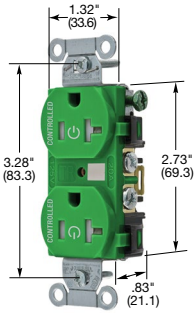
## 15 and 20 Ampere, 125 Volts



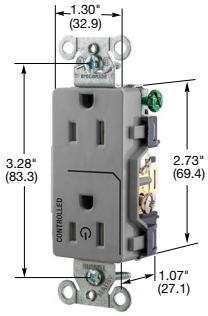

HBL5362C2BLKTR



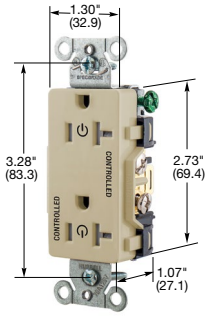

BR15C1LA




BR20C2GNTR




DR15C1GRY




DR20C2ITR

### Industrial Grade, Permanently Marked Tamper-Resistant Receptacles

| Duplex | Color | One Controlled Face Split Circuit Hot Tab 15 Amp | One Controlled Face Split Circuit Hot Tab 20 Amp | Two Controlled Faces 15 Amp | Two Controlled Faces 20 Amp |
|---|---|---|---|---|---|
| Smooth nylon face, duplex, permanently marked for use with automatic outlet control systems, back and side wired. | Black | **HBL5262C1BLKTR** | **HBL5362C1BLKTR** | **HBL5262C2BLKTR** | **HBL5362C2BLKTR** |
| | Blue | **HBL5262C1BLTR** | **HBL5362C1BLTR** | **HBL5262C2BLTR** | **HBL5362C2BLTR** |
| | Brown | **HBL5262C1TR** | **HBL5362C1TR** | **HBL5262C2TR** | **HBL5362C2TR** |
| | Gray | **HBL5262C1GRYTR** | **HBL5362C1GRYTR** | **HBL5262C2GRYTR** | **HBL5362C2GRYTR** |
| | Ivory | **HBL5262C1ITR** | **HBL5362C1ITR** | **HBL5262C2ITR** | **HBL5362C2ITR** |
| | Lt. Almond | **HBL5262C1LATR** | **HBL5362C1LATR** | **HBL5262C2LATR** | **HBL5362C2LATR** |
| | Red | **HBL5262C1RTR** | **HBL5362C1RTR** | **HBL5262C2RTR** | **HBL5362C2RTR** |
| | White | **HBL5262C1WHITR** | **HBL5362C1WHITR** | **HBL5262C2WHITR** | **HBL5362C2WHITR** |

### Permanently Marked Receptacles

| Duplex | Color | One Controlled Face Split Circuit Hot Tab 15 Amp | One Controlled Face Split Circuit Hot Tab 20 Amp | Two Controlled Faces 15 Amp | Two Controlled Faces 20 Amp |
|---|---|---|---|---|---|
| Smooth polycarbonate face, duplex, permanently marked for use with automatic outlet control systems, back and side wired. | Black | **BR15C1BLK** | **BR20C1BLK** | **BR15C2BLK** | **BR20C2BLK** |
| | Blue | **BR15C1BL** | **BR20C1BL** | **BR15C2BL** | **BR20C2BL** |
| | Brown | **BR15C1** | **BR20C1** | **BR15C2** | **BR20C2** |
| | Gray | **BR15C1GRY** | **BR20C1GRY** | **BR15C2GRY** | **BR20C2GRY** |
| | Green | **BR15C1GN** | **BR20C1GN** | **BR15C2GN** | **BR20C2GN** |
| | Ivory | **BR15C1I** | **BR20C1I** | **BR15C2I** | **BR20C2I** |
| | Lt. Almond | **BR15C1LA** | **BR20C1LA** | **BR15C2LA** | **BR20C2LA** |
| | Red | **BR15C1R** | **BR20C1R** | **BR15C2R** | **BR20C2R** |
| | White | **BR15C1WHI** | **BR20C1WHI** | **BR15C2WHI** | **BR20C2WHI** |
| Smooth polycarbonate face, Tamper-Resistant, duplex, permanently marked for use with automatic outlet control systems, back and side wired. | Black | **BR15C1BLKTR** | **BR20C1BLKTR** | **BR15C2BLKTR** | **BR20C2BLKTR** |
| | Blue | **BR15C1BLTR** | **BR20C1BLTR** | **BR15C2BLTR** | **BR20C2BLTR** |
| | Brown | **BR15C1TR** | **BR20C1TR** | **BR15C2TR** | **BR20C2TR** |
| | Gray | **BR15C1GRYTR** | **BR20C1GRYTR** | **BR15C2GRYTR** | **BR20C2GRYTR** |
| | Green | **BR15C1GNTR** | **BR20C1GNTR** | **BR15C2GNTR** | **BR20C2GNTR** |
| | Ivory | **BR15C1ITR** | **BR20C1ITR** | **BR15C2ITR** | **BR20C2ITR** |
| | Lt. Almond | **BR15C1LATR** | **BR20C1LATR** | **BR15C2LATR** | **BR20C2LATR** |
| | Red | **BR15C1RTR** | **BR20C1RTR** | **BR15C2RTR** | **BR20C2RTR** |
| | White | **BR15C1WHITR** | **BR20C1WHITR** | **BR15C2WHITR** | **BR20C2WHITR** |
| **Style Line® Decorator** | | | | | |
| Smooth polycarbonate face, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired. | Black | **DR15C1BLK** | **DR20C1BLK** | **DR15C2BLK** | **DR20C2BLK** |
| | Blue | **DR15C1BL** | **DR20C1BL** | **DR15C2BL** | **DR20C2BL** |
| | Brown | **DR15C1** | **DR20C1** | **DR15C2** | **DR20C2** |
| | Gray | **DR15C1GRY** | **DR20C1GRY** | **DR15C2GRY** | **DR20C2GRY** |
| | Green | **DR15C1GN** | **DR20C1GN** | **DR15C2GN** | **DR20C2GN** |
| | Ivory | **DR15C1I** | **DR20C1I** | **DR15C2I** | **DR20C2I** |
| | Lt. Almond | **DR15C1LA** | **DR20C1LA** | **DR15C2LA** | **DR20C2LA** |
| | Red | **DR15C1R** | **DR20C1R** | **DR15C2R** | **DR20C2R** |
| | White | **DR15C1WHI** | **DR20C1WHI** | **DR15C2WHI** | **DR20C2WHI** |
| Smooth polycarbonate face, Tamper-Resistant, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired. | Black | **DR15C1BLKTR** | **DR20C1BLKTR** | **DR15C2BLKTR** | **DR20C2BLKTR** |
| | Blue | **DR15C1BLTR** | **DR20C1BLTR** | **DR15C2BLTR** | **DR20C2BLTR** |
| | Brown | **DR15C1TR** | **DR20C1TR** | **DR15C2TR** | **DR20C2TR** |
| | Gray | **DR15C1GRYTR** | **DR20C1GRYTR** | **DR15C2GRYTR** | **DR20C2GRYTR** |
| | Green | **DR15C1GNTR** | **DR20C1GNTR** | **DR15C2GNTR** | **DR20C2GNTR** |
| | Ivory | **DR15C1ITR** | **DR20C1ITR** | **DR15C2ITR** | **DR20C2ITR** |
| | Lt. Almond | **DR15C1LATR** | **DR20C1LATR** | **DR15C2LATR** | **DR20C2LATR** |
| | Red | **DR15C1RTR** | **DR20C1RTR** | **DR15C2RTR** | **DR20C2RTR** |
| | White | **DR15C1WHITR** | **DR20C1WHITR** | **DR15C2WHITR** | **DR20C2WHITR** |

### Permanent Controlled Receptacle Label

| Description | Catalog Number |
|---|---|
| For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack. | **CL60** |

*Dimensions in Inches (mm)*

## Features and Benefits

### Switched Receptacles for Automatic Receptacle Control

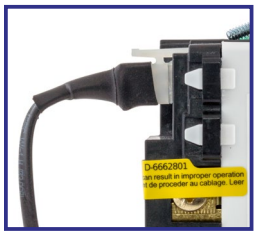
The Load Control Switched Duplex Receptacle is the latest addition to Hubbell Wiring Device-Kellems' comprehensive offering for automatic receptacle control requirements. Featuring Hubbell's exclusive and patented tamper-resistant mechanism as standard, the unit is capable of controlling other receptacles downstream in the branch circuit.

Hubbell offers this innovative device in wired and wireless options, which are both fully compatible with existing systems. This allows for easy additions and changes to meet current energy codes and standards in current facilities.




#### Common Features

- Half Controlled or Fully Controlled 15A or 20A Options
- Hubbell's Exclusive Tamper-Resistant Mechanism
- Downstream Branch Circuit Control
- Brass Strap
- Permanent NEC 406.3 (E) Markings
- UL498B SA Listed Receptacles with Integral Switching Comply with Supplement SA
- Fed Spec W596G
- Hospital Grade Series Available



#### Wired Switched Receptacles

- The wired series is designed to be automatically controlled by a low voltage signal from either occupancy sensors, or any other type of control device capable of performing this task, such as a time-of-day control device




#### Wireless Switched Receptacles

- The Clear Connect™ enabled wireless series is a wireless receiver that is controlled by the corresponding occupancy sensor

### Wired Switched Receptacles for Automatic Receptacle Control

| Description | Color | 15A Split Circuit | 15A Fully Controlled | 20A Split Circuit | 20A Fully Controlled |
|---|---|---|---|---|---|
| Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream. | Black | **HBL5262LC1BK** | **HBL5262LC2BK** | **HBL5362LC1BK** | **HBL5362LC2BK** |
| | Brown | **HBL5262LC1** | **HBL5262LC2** | **HBL5362LC1** | **HBL5362LC2** |
| | Gray | **HBL5262LC1GY** | **HBL5262LC2GY** | **HBL5362LC1GY** | **HBL5362LC2GY** |
| | Green | **HBL5262LC1GN** | **HBL5262LC2GN** | **HBL5362LC1GN** | **HBL5362LC2GN** |
| | Ivory | **HBL5262LC1I** | **HBL5262LC2I** | **HBL5362LC1I** | **HBL5362LC2I** |
| | Lt. Almond | **HBL5262LC1LA** | **HBL5262LC2LA** | **HBL5362LC1LA** | **HBL5362LC2LA** |
| | White | **HBL5262LC1W** | **HBL5262LC2W** | **HBL5362LC1W** | **HBL5362LC2W** |

*Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.*




**HBL5362LC2LA**

### Wireless Switched Receptacles for Automatic Receptacle Control

| Description | Color | 15A Split Circuit | 15A Fully Controlled | 20A Split Circuit | 20A Fully Controlled |
|---|---|---|---|---|---|
| Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream. | Black | **HBL5262RFC1BK** | **HBL5262RFC2BK** | **HBL5362RFC1BK** | **HBL5362RFC2BK** |
| | Brown | **HBL5262RFC1** | **HBL5262RFC2** | **HBL5362RFC1** | **HBL5362RFC2** |
| | Gray | **HBL5262RFC1GY** | **HBL5262RFC2GY** | **HBL5362RFC1GY** | **HBL5362RFC2GY** |
| | Green | **HBL5262RFC1GN** | **HBL5262RFC2GN** | **HBL5362RFC1GN** | **HBL5362RFC2GN** |
| | Ivory | **HBL5262RFC1I** | **HBL5262RFC2I** | **HBL5362RFC1I** | **HBL5362RFC2I** |
| | Lt. Almond | **HBL5262RFC1LA** | **HBL5262RFC2LA** | **HBL5362RFC1LA** | **HBL5362RFC2LA** |
| | White | **HBL5262RFC1W** | **HBL5262RFC2W** | **HBL5362RFC1W** | **HBL5362RFC2W** |

*Note: See Section E, page E-31 for technical information. Special order for hospital grade devices.*




**HBL5362RFC1GY**

# Straight Blade Devices





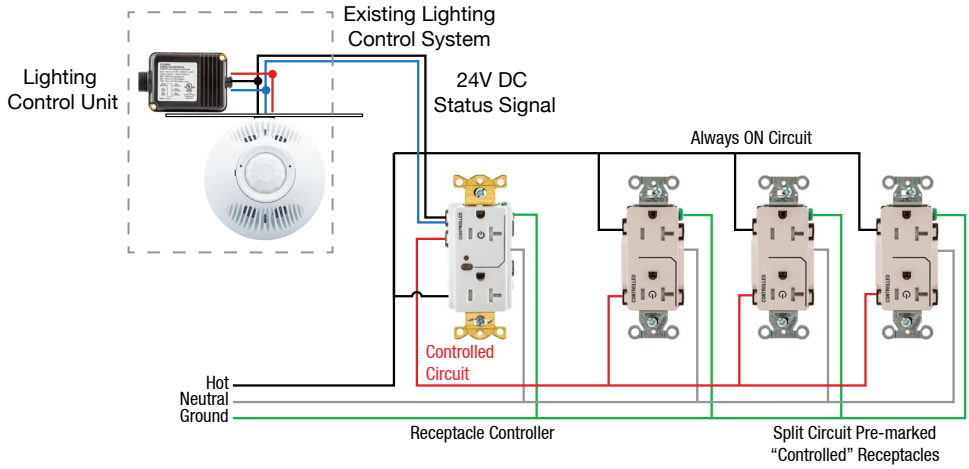




New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx

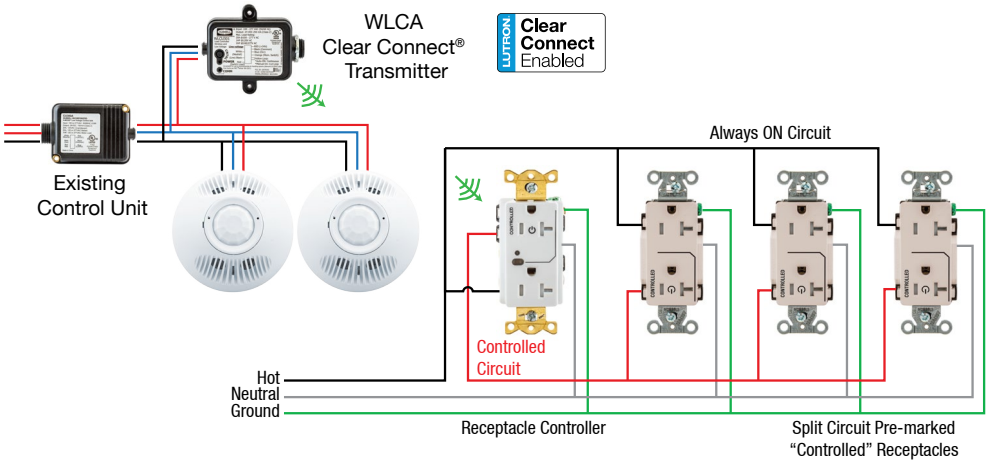
## Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.




## Wireless

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Clear Connect® communication and are compatible with other Clear Connect® devices, such as Hubbell's wireless occupancy sensors.




## Codes and Standards

**ASHRAE Standard 90.1 2019**

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.

**California Title 24 Building Energy Efficiency Standards 2019**

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

**2020 National Electrical Code®**

NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the ⏻ symbol and the word "CONTROLLED".

*Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.*

## 15 and 20 Ampere, 125 Volts




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

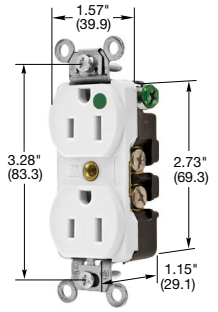
### Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

| Duplex | Color | Catalog Number | | One Controlled Face | Two Controlled Faces |
|---|---|---|---|---|---|
| Hospital grade and hospital grade controlled, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BK** | **8300BK** | - | - |
| | Brown | **8200** | **8300** | - | - |
| | Gray | **8200GY** | **8300GY** | - | - |
| | Ivory | **8200IV** | **8300IV** | **8300C1IV** | **8300C2IV** |
| | Light Almond | **8200LA** | **8300LA** | **8300C1LA** | **8300C2LA** |
| | Red | **8200RED** | **8300RED** | **8300C1RED** | **8300C2RED** |
| | White | **8200WHI** | **8300WHI** | **8300C1WHI** | **8300C2WHI** |
| Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BKTRA** | **8300BKTRA** | | |
| | Brown | **8200TRA** | **8300TRA** | | |
| | Gray | **8200GYTRA** | **8300GYTRA** | | |
| | Ivory | **8200IVTRA** | **8300IVTRA** | | |
| | Light Almond | **8200LATRA** | **8300LATRA** | | |
| | Red | **8200REDTRA** | **8300REDTRA** | | |
| | White | **8200WTRA** | **8300WTRA** | | |
| Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BKL** | **8300BKL** | | |
| | Brown | **8200L** | **8300L** | | |
| | Gray | **8200GYL** | **8300GYL** | | |
| | Ivory | **8200IVL** | **8300IVL** | | |
| | Light Almond | **8200LAL** | **8300LALM** | | |
| | Red | **8200REDL** | **8300REDL** | | |
| | White | **8200WL** | **8300WL** | | |
| Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BKLTRA** | **8300BKLTRA** | | |
| | Brown | **8200LTRA** | **8300LTRA** | | |
| | Gray | **8200GYLTRA** | **8300GYLTRA** | | |
| | Ivory | **8200IVLTRA** | **8300IVLTRA** | | |
| | Light Almond | **8200LALTRA** | **8300LALTRA** | | |
| | Red | **8200REDLTRA** | **8300REDLTRA** | | |
| | White | **8200WLTRA** | **8300WLTRA** | | |

### Style Line® Decorator

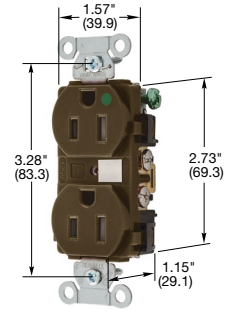
| | | | | | |
|---|---|---|---|---|---|
| Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BK** | **2182BK** | | |
| | Brown | **2172** | **2182** | | |
| | Gray | **2172GY** | **2182GY** | | |
| | Ivory | **2172IV** | **2182IV** | | |
| | Light Almond | **2172LA** | **2182LA** | | |
| | Red | **2172RED** | **2182RED** | | |
| | White | **2172W** | **2182W** | | |
| Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BKTRA** | **2182BKTRA** | | |
| | Brown | **2172TRA** | **2182TRA** | | |
| | Gray | **2172GYTRA** | **2182GYTRA** | | |
| | Ivory | **2172IVTRA** | **2182IVTRA** | | |
| | Light Almond | **2172LATRA** | **2182LATRA** | | |
| | Red | **2172REDTRA** | **2182REDTRA** | | |
| | White | **2172WTRA** | **2182WTRA** | | |
| Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BKL** | **2182BKL** | | |
| | Brown | **2172L** | **2182L** | | |
| | Gray | **2172GYL** | **2182GYL** | | |
| | Ivory | **2172IVL** | **2182IVL** | | |
| | Light Almond | **2172LAL** | **2182LAL** | | |
| | Red | **2172REDL** | **2182REDL** | | |
| | White | **2172WL** | **2182WL** | | |
| Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BKLTRA** | **2182BKLTRA** | | |
| | Brown | **2172LTRA** | **2182LTRA** | | |
| | Gray | **2172GYLTRA** | **2182GYLTRA** | | |
| | Ivory | **2172IVLTRA** | **2182IVLTRA** | | |
| | Light Almond | **2172LALTRA** | **2182LALTRA** | | |
| | Red | **2172REDLTRA** | **2182REDLTRA** | | |
| | White | **2172WLTRA** | **2182WLTRA** | | |

*Note: See pages A-47 and A-48 for accessories.*
*See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.*
*See section O for wallplates.*




**8200WHI**

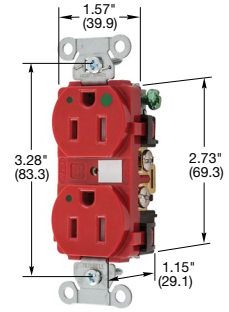
TR




**8200TRA**

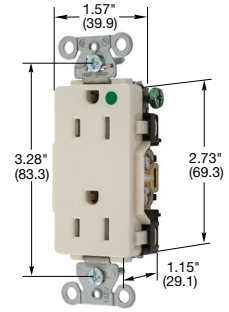
PWR

TR




**8200REDLTRA**

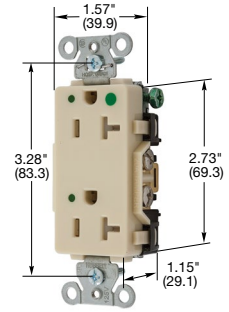
PWR




**2172LATRA**

TR

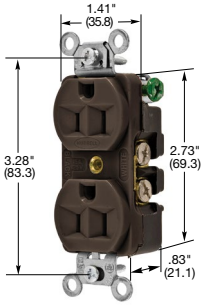
PWR



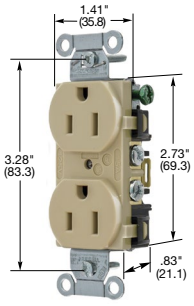

**2182IVLTRA**

*Dimensions in Inches (mm)*

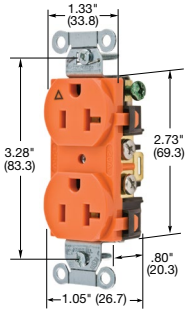
## 15 and 20 Ampere, 125 and 250 Volts



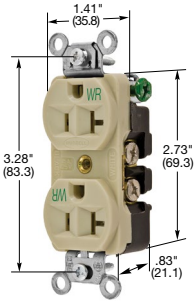
5262B



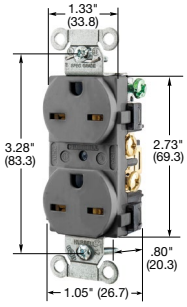
5252AI



IG5352



5362IWR



5662GY

*Dimensions in Inches (mm)*

### Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Smooth polycarbonate face, duplex, back and side wired. Assembled in USA. | Black | **5252BK** | **5352BK** |
| | Brown | **5252B** | **5352B** |
| | Gray | **5252G** | **5352G** |
| | Ivory | **5252I** | **5352I** |
| | Light Almond | **5252LA** | **5352LA** |
| | Red | **5252R** | **5352R** |
| | White | **5252W** | **5352W** |
| Finder groove polycarbonate face, duplex, back and side wired. Assembled in USA. | Black | **5262BLK** | **5362BLK** |
| | Blue | **5262BL** | **5362BL** |
| | Brown | **5262B** | **5362B** |
| | Gray | **5262G** | **5362G** |
| | Ivory | **5262I** | **5362I** |
| | Light Almond | **5262LA** | **5362LA** |
| | Red | **5262R** | **5362R** |
| | White | **5262W** | **5362W** |

### Hubbell-PRO Heavy Duty Specification Grade Receptacles

| | | Standard Duplex | | Isolated Ground[Δ] | |
|---|---|---|---|---|---|
| **Duplex** | Color | 15A 125V NEMA 5-15R | 20A 125V NEMA 5-20R | 15A 125V NEMA 5-15R | 20A 125V NEMA 5-20R |
| Smooth polycarbonate face, duplex, back and side wired. | Black | **5252ABLK** | **5352ABLK** | **–** | **–** |
| | Brown | **5252AB** | **5352AB** | **–** | **–** |
| | Gray | **5252AG** | **5352AG** | **IG5252GY** | **IG5352GY** |
| | Ivory | **5252AI** | **5352AI** | **IG5252I** | **IG5352I** |
| | Light Almond | **5252ALA** | **5352ALA** | **IG5252LA** | **IG5352LA** |
| | Orange | **–** | **–** | **IG5252** | **IG5352** |
| | Red | **5252AR** | **5352AR** | **–** | **–** |
| | White | **5252AW** | **5352AW** | **IG5252W** | **IG5352W** |
| Smooth polycarbonate face, Tamper-Resistant, duplex, back and side wired. | Black | **5252BLKTR** | **5352BLKTR** | **–** | **–** |
| | Brown | **5252BTR** | **5352BTR** | **–** | **–** |
| | Gray | **5252GTR** | **5352GTR** | **–** | **–** |
| | Ivory | **5252ITR** | **5352ITR** | **IG5252ITR** | **IG5352ITR** |
| | Light Almond | **5252LATR** | **5352LATR** | **–** | **–** |
| | Orange | **–** | **–** | **IG5252TR** | **IG5352TR** |
| | Red | **5252RTR** | **5352RTR** | **–** | **–** |
| | White | **5252WTR** | **5352WTR** | **IG5252WTR** | **IG5352WTR** |
| Finder groove polycarbonate face, duplex, back and side wired. | Black | **5262ABLK** | **5362ABLK** | **CR5252IGBK** | **CR5352IGBK** |
| | Blue | **5262ABL** | **5362ABL** | **–** | **CR5352IGBL** |
| | Brown | **5262AB** | **5362AB** | **–** | **–** |
| | Gray | **5262AG** | **5362AG** | **CR5252IGGY** | **CR5352IGGY** |
| | Ivory | **5262AI** | **5362AI** | **CR5252IGI** | **CR5352IGI** |
| | Light Almond | **5262ALA** | **5362ALA** | **–** | **–** |
| | Orange | **–** | **–** | **CR5252IG** | **CR5352IG** |
| | Red | **5262AR** | **5362AR** | **–** | **–** |
| | White | **5262AW** | **5362AW** | **CR5252IGW** | **CR5352IGW** |
| Weather resistant, Finder groove nylon face, duplex, back and side wired. | Black | **5262BKWR** | **5362BKWR** | **–** | **–** |
| | Brown | **5262WR** | **5362WR** | **–** | **–** |
| | Gray | **5262GYWR** | **5362GYWR** | **–** | **–** |
| | Ivory | **5262IWR** | **5362IWR** | **–** | **–** |
| | White | **5262WWR** | **5362WWR** | **–** | **–** |

*Note: [Δ]See section N for additional information on isolated ground devices.*
*See page A-47 for accessories and section O for wallplates.*
*See page Tech-10 for Tamper and Weather Resistant descriptions.*
*Horsepower ratings listed above are AC only.*

### Hubbell-PRO 250V Heavy Duty Specification Grade Receptacles



**15A 250V**
**NEMA 6-15R**
UL CSA
1.5 HP



**20A 250V**
**NEMA 6-20R**
UL CSA
2 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Smooth nylon face, duplex, back and side wired. | Black | **5662BK** | **5462BK** |
| | Blue | **5662BL** | **5462BL** |
| | Brown | **5662B** | **5462B** |
| | Gray | **5662GY** | **5462GY** |
| | Green | **5662GN** | **5462GN** |
| | Ivory | **5662IV** | **5462IV** |
| | Light Almond | **5662LA** | **5462LA** |
| | Red | **5662R** | **5462R** |
| | White | **5662WHI** | **5462WHI** |

## 15 and 20 Ampere, 125 Volts




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

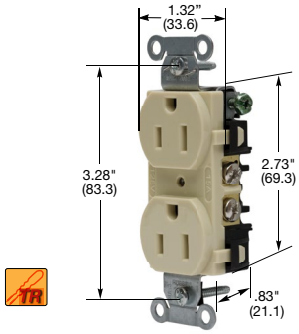



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

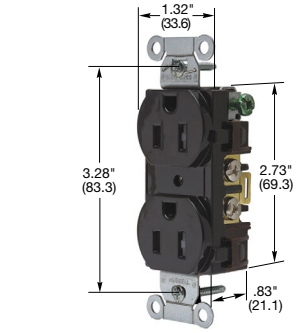
### Commercial
### Specification Grade Receptacles

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Smooth polycarbonate face, duplex, side wired only. | Black | **CR15BLK** | **CR20BLK** |
| | Brown | **CR15** | **CR20** |
| | Gray | **CR15GRY** | **CR20GRY** |
| | Ivory | **CR15I** | **CR20I** |
| | Light Almond | **CR15LA** | **CR20LA** |
| | White | **CR15WHI** | **CR20WHI** |
| Tamper-Resistant, smooth polycarbonate face, duplex, side wired only. | Black | **CR15BLKTR** | **CR20BLKTR** |
| | Brown | **CR15TR** | **CR20TR** |
| | Gray | **CR15GRYTR** | **CR20GRYTR** |
| | Ivory | **CR15ITR** | **CR20ITR** |
| | Light Almond | **CR15LATR** | **CR20LATR** |
| | White | **CR15WHITR** | **CR20WHITR** |
| Finder groove, polycarbonate face, duplex, side wired only. | Black | – | **CRF20BLK** |
| | Brown | **CRF15** | **CRF20** |
| | Gray | **CRF15GRY** | **CRF20GRY** |
| | Ivory | **CRF15I** | **CRF20I** |
| | Light Almond | **CRF15LA** | **CRF20LA** |
| | White | **CRF15WHI** | **CRF20WHI** |
| Pre-wired receptacles, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" solid wire leads. | Black | **CR15BLKP1** | **CR20BLKP1** |
| | Brown | **CR15P1** | **CR20P1** |
| | Gray | **CR15GRYP1** | **CR20GRYP1** |
| | Ivory | **CR15IP1** | **CR20IP1** |
| | Light Almond | **CR15LAP1** | **CR20LAP1** |
| | White | **CR15WHIP1** | **CR20WHIP1** |
| Pre-wired receptacles, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" stranded wire leads. | Black | **CR15BLKP2** | **CR20BLKP2** |
| | Brown | **CR15P2** | **CR20P2** |
| | Gray | **CR15GRYP2** | **CR20GRYP2** |
| | Ivory | **CR15IP2** | **CR20IP2** |
| | Light Almond | **CR15LAP2** | **CR20LAP2** |
| | White | **CR15WHIP2** | **CR20WHIP2** |
| Pre-wired receptacles, Tamper-Resistant, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" solid wire leads. | Black | **CR15BLKTRP1** | **CR20BLKTRP1** |
| | Brown | **CR15TRP1** | **CR20TRP1** |
| | Gray | **CR15GRYTRP1** | **CR20GRYTRP1** |
| | Ivory | **CR15ITRP1** | **CR20ITRP1** |
| | Light Almond | **CR15LATRP1** | **CR20LATRP1** |
| | White | **CR15WHITRP1** | **CR20WHITRP1** |
| Pre-wired receptacles, Tamper-Resistant, smooth polycarbonate face, duplex, side wired only, self-grounding, 8" stranded wire leads. | Black | **CR15BLKTRP2** | **CR20BLKTRP2** |
| | Brown | **CR15TRP2** | **CR20TRP2** |
| | Gray | **CR15GRYTRP2** | **CR20GRYTRP2** |
| | Ivory | **CR15ITRP2** | **CR20ITRP2** |
| | Light Almond | **CR15LATRP2** | **CR20LATRP2** |
| | White | **CR15WHITRP2** | **CR20WHITRP2** |

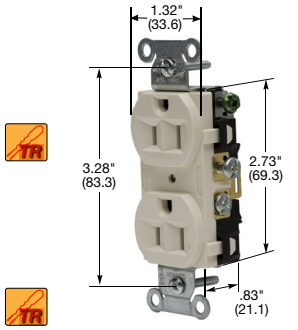
*Note: See page A-47 for accessories.*
*See page Tech-10 for Tamper-Resistant descriptions.*
*See section O for wallplates.*



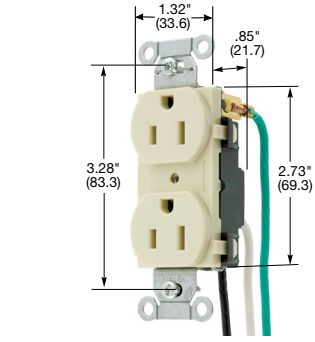

**CR15I**




**CR15TR**



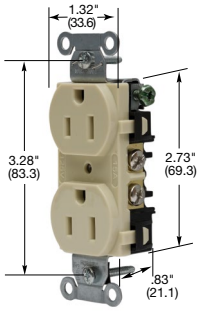

**CRF15LA**



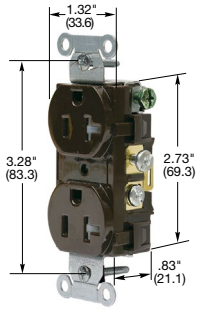

**CR15IP1**

*Dimensions in Inches (mm)*

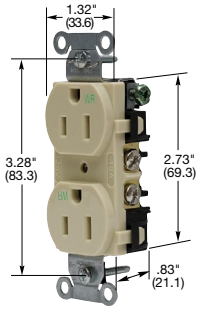
## 15 and 20 Ampere, 125 Volts



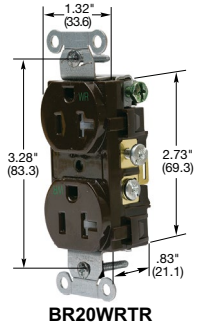
**BR15I**



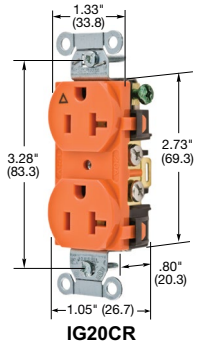
**BR20TR**



**BR15IWR**



**BR20WRTR**



**IG20CR**

*Dimensions in Inches (mm)*

## Commercial Specification Grade Receptacles



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Smooth polycarbonate face, duplex, back and side wired. | Black | **BR15BLK** | **BR20BLK** |
| | Blue | **BR15BL** | **BR20BL** |
| | Brown | **BR15** | **BR20** |
| | Gray | **BR15GRY** | **BR20GRY** |
| | Green | **BR15GN** | **BR20GN** |
| | Ivory | **BR15I** | **BR20I** |
| | Light Almond | **BR15LA** | **BR20LA** |
| | Red | **BR15R** | **BR20R** |
| | White | **BR15WHI** | **BR20WHI** |
| Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired. | Black | **BR15BLKTR** | **BR20BLKTR** |
| | Blue | **BR15BLTR** | **BR20BLTR** |
| | Brown | **BR15TR** | **BR20TR** |
| | Gray | **BR15GRYTR** | **BR20GRYTR** |
| | Green | **BR15GNTR** | **BR20GNTR** |
| | Ivory | **BR15ITR** | **BR20ITR** |
| | Light Almond | **BR15LATR** | **BR20LATR** |
| | Red | **BR15RTR** | **BR20RTR** |
| | White | **BR15WHITR** | **BR20WHITR** |
| Weather Resistant, smooth polycarbonate face, duplex, back and side wired. | Black | **BR15BLKWR** | **BR20BLKWR** |
| | Brown | **BR15WR** | **BR20WR** |
| | Gray | **BR15GRYWR** | **BR20GRYWR** |
| | Ivory | **BR15IWR** | **BR20IWR** |
| | Light Almond | **BR15LAWR** | **BR20LAWR** |
| | White | **BR15WHIWR** | **BR20WHIWR** |
| Weather and Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired. | Black | **BR15BLKWRTR** | **BR20BLKWRTR** |
| | Brown | **BR15WRTR** | **BR20WRTR** |
| | Gray | **BR15GRYWRTR** | **BR20GRYWRTR** |
| | Ivory | **BR15IWRTR** | **BR20IWRTR** |
| | Light Almond | **BR15LAWRTR** | **BR20LAWRTR** |
| | White | **BR15WHIWRTR** | **BR20WHIWRTR** |
| Isolated ground[Δ], smooth nylon face, duplex, side wired only. | Gray | **IG15CRGRY** | **IG20CRGRY** |
| | Ivory | **IG15CRI** | **IG20CRI** |
| | Light Almond | **IG15CRLA** | **IG20CRLA** |
| | Orange | **IG15CR** | **IG20CR** |
| | White | **IG15CRWHI** | **IG20CRWHI** |
| Isolated ground[Δ], Style Line® decorator*, smooth nylon face, duplex, back and side wired. | Gray | **IG15DRGRY** | **IG20DRGRY** |
| | Ivory | **IG15DRI** | **IG20DRI** |
| | Light Almond | **IG15DRLA** | **IG20DRLA** |
| | Orange | **IG15DR** | **IG20DR** |
| | White | **–** | **IG20DRWHI** |

*Note: [Δ]See section N for additional information on isolated ground devices.*
*See page A-47 for accessories.*
*See page Tech-10 for Tamper and Weather Resistant descriptions.*
*See section O for wallplates.*

## 15 and 20 Ampere, 125 Volts

### Commercial
### Specification Grade Receptacles



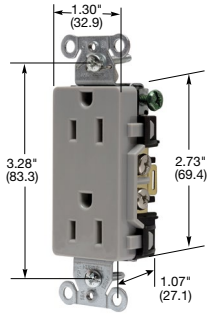

**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



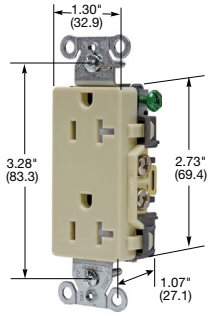

**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Style Line® Decorator | Color | Catalog Number | |
|---|---|---|---|
| Smooth polycarbonate face, Style Line® decorator duplex, back and side wired. | Black | **DR15BLK** | **DR20BLK** |
| | Brown | **DR15** | **DR20** |
| | Gray | **DR15GRY** | **DR20GRY** |
| | Green | **DR15GN** | **DR20GN** |
| | Ivory | **DR15I** | **DR20I** |
| | Light Almond | **DR15LA** | **DR20LA** |
| | Red | **DR15R** | **DR20R** |
| | White | **DR15WHI** | **DR20WHI** |
| Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired. | Black | **DR15BLKTR** | **DR20BLKTR** |
| | Brown | **DR15TR** | **DR20TR** |
| | Gray | **DR15GRYTR** | **DR20GRYTR** |
| | Green | **DR15GNTR** | **DR20GNTR** |
| | Ivory | **DR15ITR** | **DR20ITR** |
| | Light Almond | **DR15LATR** | **DR20LATR** |
| | White | **DR15WHITR** | **DR20WHITR** |
| Weather and Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired. | Black | **DR15BLKWRTR** | **DR20BLKWRTR** |
| | Brown | **DR15WRTR** | **DR20WRTR** |
| | Gray | **DR15GRYWRTR** | **DR20GRYWRTR** |
| | Ivory | **DR15IWRTR** | **DR20IWRTR** |
| | Light Almond | **DR15LAWRTR** | **DR20LAWRTR** |
| | White | **DR15WHIWRTR** | **DR20WHIWRTR** |
| Pre-wired receptacles, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" solid wire leads. | Black | **DR15BLKP1** | **DR20BLKP1** |
| | Brown | **DR15P1** | **DR20P1** |
| | Gray | **DR15GRYP1** | **DR20GRYP1** |
| | Ivory | **DR15IP1** | **DR20IP1** |
| | Light Almond | **DR15LAP1** | **DR20LAP1** |
| | White | **DR15WHIP1** | **DR20WHIP1** |
| Pre-wired receptacles, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" stranded wire leads. | Black | **DR15BLKP2** | **DR20BLKP2** |
| | Brown | **DR15P2** | **DR20P2** |
| | Gray | **DR15GRYP2** | **DR20GRYP2** |
| | Ivory | **DR15IP2** | **DR20IP2** |
| | Light Almond | **DR15LAP2** | **DR20LAP2** |
| | White | **DR15WHIP2** | **DR20WHIP2** |
| Pre-wired receptacles, Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired,self-grounding, 8" solid wire leads. | Black | **DR15BLKTRP1** | **DR20BLKTRP1** |
| | Brown | **DR15TRP1** | **DR20TRP1** |
| | Gray | **DR15GRYTRP1** | **DR20GRYTRP1** |
| | Ivory | **DR15ITRP1** | **DR20ITRP1** |
| | Light Almond | **DR15LATRP1** | **DR20LATRP1** |
| | White | **DR15WHITRP1** | **DR20WHITRP1** |
| Pre-wired receptacles, Tamper-Resistant, Style Line® decorator duplex, smooth polycarbonate face, back and side wired, self-grounding, 8" stranded wire leads. | Black | **DR15BLKTRP2** | **DR20BLKTRP2** |
| | Brown | **DR15TRP2** | **DR20TRP2** |
| | Gray | **DR15GRYTRP2** | **DR20GRYTRP2** |
| | Ivory | **DR15ITRP2** | **DR20ITRP2** |
| | Light Almond | **DR15LATRP2** | **DR20LATRP2** |
| | White | **DR15WHITRP2** | **DR20WHITRP2** |
| Nightlight receptacle, two nightlight sources for a total of 0.5 Lumens, Tamper-Resistant shutters complies with NEC article 406.12, back and side wired | Ivory | **DR15NLIV** | – |
| | Light Almond | **DR15NLLA** | – |
| | White | **DR15NLWH** | – |

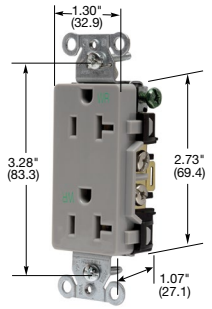
*Note: See page A-47 for accessories.*
*See page Tech-10 for Tamper and Weather Resistant descriptions.*
*See section O for wallplates.*



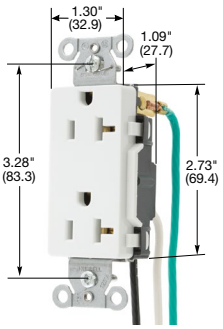

**DR15GRY**



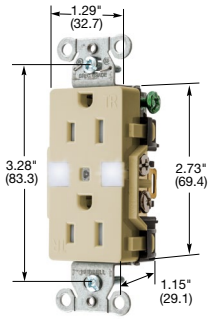

**DR20ITR**




**DR20GRYWRTR**




**DR20WHIP2**




**DR15NLIV**

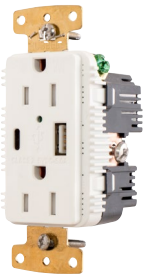
*Dimensions in Inches (mm)*

## USB Charger Receptacles and Outlets



### Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light

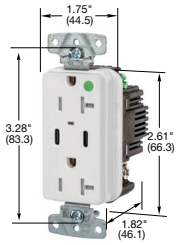


### Weather Resistant USB Charger Duplex Receptacles

| Description | Color | 15A 125V | 20A 125V |
|---|---|---|---|
| Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade | Black | **USB15AC5BKWR** | **USB20AC5BKWR** |
| | Brown | **USB15AC5WR** | **USB20AC5WR** |
| | Gray | **USB15AC5GYWR** | **USB20AC5GYWR** |
| | Ivory | **USB15AC5IWR** | **USB20AC5IWR** |
| | Light Almond | **USB15AC5LAWR** | **USB20AC5LAWR** |
| | White | **USB15AC5WWR** | **USB20AC5WWR** |

*Note: Outdoor circuits should be GFCI protected per national and local electric codes.*

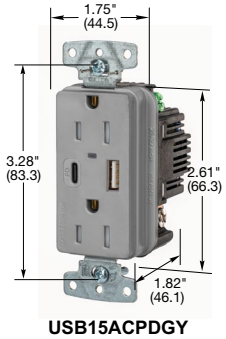
### Commercial and Hospital Grade ● USB-C Power Delivery Charger Tamper-Resistant Duplex Receptacles



USB8300CPDW

| Description | Color | Commercial 15A 125V | Commercial 20A 125V | Hospital Grade 15A 125V | Hospital Grade 20A 125V |
|---|---|---|---|---|---|
| Two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt USB output, Tamper Resistant duplex receptacle, USB ports rated 10,000 cycles | Black | **USB15CPDBK** | **USB20CPDBK** | **USB8200CPDBK** | **USB8200CPDBK** |
| | Brown | **USB15CPD** | **USB20CPD** | **USB8200CPD** | **USB8200CPD** |
| | Gray | **USB15CPDGY** | **USB20CPDGY** | **USB8200CPDGY** | **USB8200CPDGY** |
| | Ivory | **USB15CPDI** | **USB20CPDI** | **USB8200CPDI** | **USB8200CPDI** |
| | Lt. Almond | **USB15CPDLA** | **USB20CPDLA** | **USB8200CPDLA** | **USB8200CPDLA** |
| | Red | - | - | - | **USB8300CPDR** |
| | White | **USB15CPDW** | **USB20CPDW** | **USB8200CPDW** | **USB8200CPDW** |
| One Type-A and one Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB-A convenience port with up to 1.5 Amp, 5 Volt USB output, Tamper Resistant duplex receptacles, USB ports rated 10,000 cycles. | Black | **USB15ACPDBK** | **USB20ACPDBK** | **USB8200ACPDBK** | **USB8300CPDBK** |
| | Brown | **USB15ACPD** | **USB20ACPD** | **USB8200ACPD** | **USB8300CPD** |
| | Gray | **USB15ACPDGY** | **USB20ACPDGY** | **USB8200ACPDGY** | **USB8300CPDGY** |
| | Ivory | **USB15ACPDI** | **USB20ACPDI** | **USB8200ACPDI** | **USB8300CPDI** |
| | Lt. Almond | **USB15ACPDLA** | **USB20ACPDLA** | **USB8200ACPDLA** | **USB8300CPDLA** |
| | Red | - | - | **USB8200ACPDR** | **USB8300CPDR** |
| | White | **USB15ACPDW** | **USB20ACPDW** | **USB8200ACPDW** | **USB8300CPDW** |

*Note: See page Tech-10 for Tamper-Resistant description.*



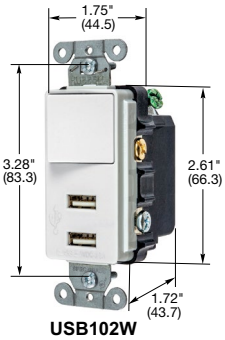
USB15ACPDGY

### 4 Port USB Charger Outlets

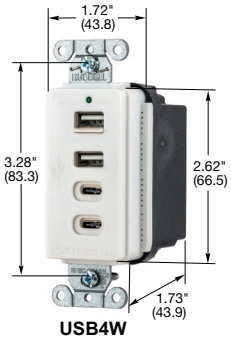
| Description | Color | Catalog Number |
|---|---|---|
| USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line® decorator. | Black | **USB4ACBK** |
| | Brown | **USB4AC** |
| | Gray | **USB4ACGY** |
| | Ivory | **USB4ACI** |
| | Light Almond | **USB4ACLA** |
| | White | **USB4ACW** |

### Switch Combo Outlets

| Description | Color | Catalog Number |
|---|---|---|
| Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator. | Black | **USB102BK** |
| | Brown | **USB102** |
| | Gray | **USB102GY** |
| | Ivory | **USB102I** |
| | Light Almond | **USB102LA** |
| | White | **USB102W** |



USB102W



USB4W

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

*Dimensions in Inches (mm)*

## 15 and 20 Ampere, 125 Volts

### 4-PLEX® Hospital Grade ● Receptacles

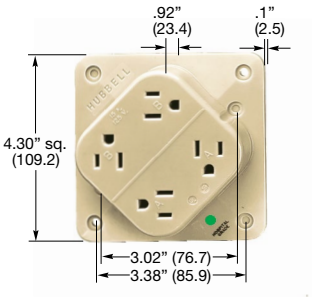



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

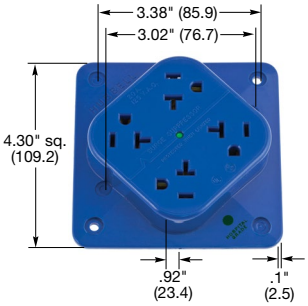



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| 4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box. | Brown | **HBL415H** | **HBL420H** |
| | Gray | – | **HBL420HGY** |
| | Ivory | **HBL415HI** | **HBL420HI** |
| | Red | **HBL415HR** | **HBL420HR** |
| | White | **HBL415HW** | **HBL420HW** |
| 4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current. | Blue | — | **HBL420HS** |
| | Ivory | — | **HBL420HIS** |
| | Red | — | **HBL420HRS** |




**HBL415HI**




**HBL420HS**




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



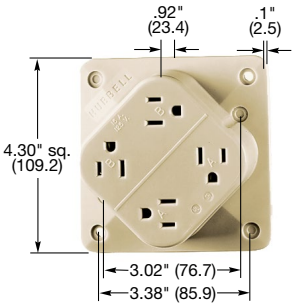

**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### 4-PLEX® Receptacles

#### Over Size Robertson/Slotted Head Terminal Screws

| Description | Color | Catalog Number | |
|---|---|---|---|
| Specification grade. | Black | **HBL415BK** | **HBL420BK** |
| | Brown | **HBL415** | **HBL420** |
| | Gray | **HBL415GY** | **HBL420GY** |
| | Ivory | **HBL415I** | **HBL420I** |
| | White | **HBL415W** | **HBL420W** |
| Isolated ground[Δ]. | Orange | **IG415** | **IG420** |
| Surge suppression. | Blue | **HBL415S** | **HBL420S** |
| | Ivory | **HBL415IS** | **HBL420IS** |

*Note: [Δ]See section N for additional information on isolated ground devices.*
*Horsepower ratings are AC only.*
*4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers. Apply if needed. Mounts to 4-inch square box.*

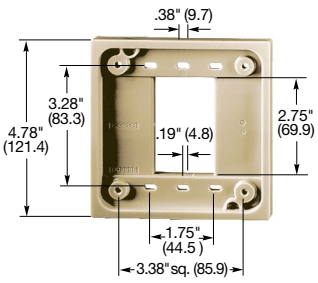



**HBL415I**

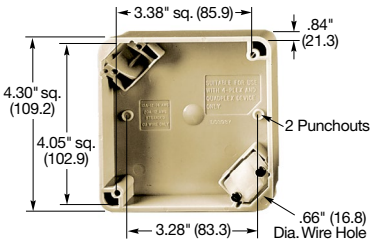
### 4-PLEX® Accessories

| Description | Color | Catalog Number |
|---|---|---|
| 4-PLEX adapter plates for 1- and 2-gang, device boxes. | Blue | **HBL4APBL** |
| | Brown | **HBL4AP** |
| | Gray | **HBL4APGY** |
| | Ivory | **HBL4API** |
| | Orange | **HBL4APO** |
| | Red | **HBL4APR** |
| | White | **HBL4APW** |
| 4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord. | Black | **HBL4PBBK** |
| | Brown | **HBL4PB** |
| | Ivory | **HBL4PBI** |

*Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.*




**HBL4API**




**HBL4PBI**

*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Products at a Glance



**Hospital Grade Plugs and Connectors**

- Hospital Grade with green dot symbol
- Powerful offsetting cord grips clamp on individual conductors
- Transparent angled wiring entrance holes permit “straight in" conductor insertion
- Valise® devices have unique patented clamp type terminals, provide a superior electrical connection



**Heavy Duty Insulgrip® Plugs and Connectors**

- Beveled housing prevents snagging
- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .23 to .72 inch (5.8 to 18.3).
- Individually molded face for each blade configuration keeps debris out of plug interior
- Ribbed nylon housing is impact and chemical resistant



**Watertight and Dust Tight Devices**

- Multiple “U-Drive” fast lead body assembly screws
- Color coded Kellems GOTCHA® rings provide increased cord retention
- Powerful nylon cord grip prevents strain on terminals
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials
- Closure plug seals connector body when disconnected from plug

## Features and Benefits

### Insulgrip® 15 and 20 Ampere Plugs and Connector Bodies

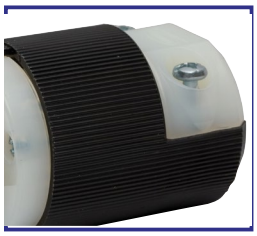
Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief.
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time.

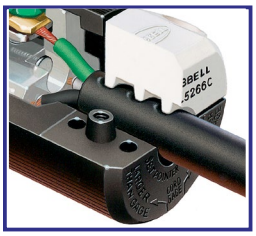






**Housing Design**

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



**Internal Design**

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers




**Cord Range**

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3)
- VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0). Accepts slotted and Phillips head drivers



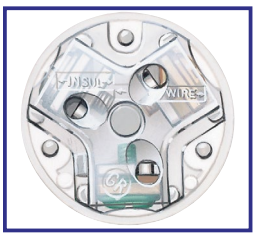
**Assembly**

- Multiple drive screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver




**Identification**

- Catalog number is visible on the device while in use for easy identification



**Visual Verification**

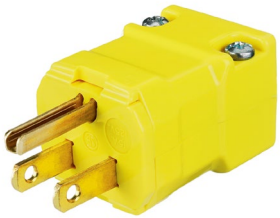
- Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations

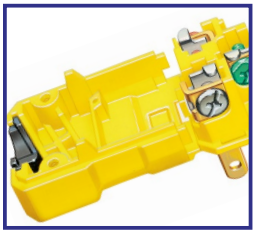
# Straight Blade Devices

## Features and Benefits

### Valise® Plugs and Connector Bodies

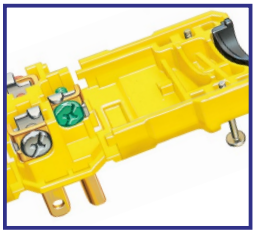
Hubbell Valise plugs go together in seconds but stay together securely for reliable long-term operation. Eight loadbearing, locking lugs in the impact- and crush-resistant nylon body assure a positive grip. Devices feature patented “wire bundling” terminals that are easy to wire and provide positive, reliable terminations





**Housing Design**

- Removable cord inserts to accommodate a wide range of cord sizes, .220"-.660" (5.6-16.8)
- Powerful cord grips prevent conductor slippage and strain on wiring terminals
- Eight specially designed load bearing locking lugs insure a positive fit as the blade holder and sides are closed



**Internal Design**

- Unique patented clamp-type terminals provide a superior electrical connection by “bundling” the conductor strands when clamps are tightened
- Nylon webs are provided to make wiring quick and easy during assembly
- Two captive multiple drive assembly screws

### Elastogrip® High Visibility Yellow Plugs and Connectors

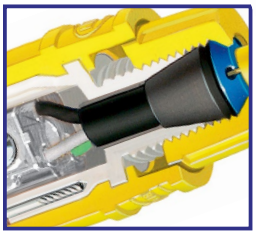
Hubbell straight blade devices, female connector body, Elastogrip watertight, industrial/commercial grade, 2-pole 3-wire grounding, 15A 125V, NEMA 5-15R, yellow, single pack. Tough nylon body provides superior resistance in harsh abusive environments. IP55 suitability when closure plug inserted or when installed and used properly with mating watertight plug.





**Watertight Plug Housing Design**

- Thermoplastic elastomer housing resists weathering caused by ultraviolet rays and ozone better than rubber; also oil and chemical resistant
- Nylon compression nut keeps water and dust from getting into the body around the cord



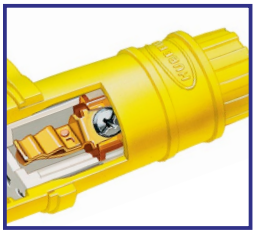
**Watertight Plug Internal Design**

- Three separate transparent wiring chambers allow for visual inspection
- Multiple drive “U-Drive” fast lead body assembly screws
- Neoprene bushing keeps water and dust out
- Color coded Kellems GOTCHA® rings provide increased cord retention



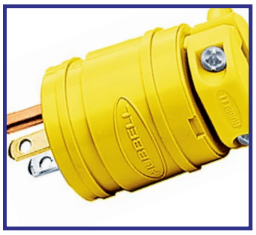
**Watertight Connector Housing Design**

- Closure plug seals connector body when disconnected from plug
- Integral weatherproofing shroud seals connection between plug and connector



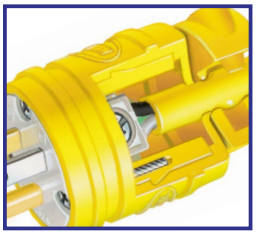
**Watertight Connector Internal Design**

- Pretensioned “bypass” design female contacts for abuse resistance and reliability
- Nylon compression nut keeps water and dust from getting into the body around the cord



**Dust Tight Plug Housing Design**

- Thermoplastic elastomer housing
- Powerful nylon cord grip prevents strain on terminals



**Dust Tight Plug Internal Design**

- Multiple drive “U-Drive” fast lead body assembly screws
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials

IP20 SUITABILITY

15A 125V
NEMA 5-15P
UL CSA

20A 125V
NEMA 5-20P
UL CSA

## Hospital Grade Plugs

### Insulgrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .230"-.720" (5.8-18.3) | **HBL8215C** | **HBL8315C** |
| Black and white, spring termination | .230"-.720" (5.8-18.3) | **HBL8215CST** | **HBL8315CST** |
| Transparent housing. | .230"-.720" (5.8-18.3) | **HBL8215CT** | **HBL8315CT** |
| Transparent housing, spring termination | .230"-.720" (5.8-18.3) | **HBL8215CTST** | **HBL8315CTST** |
| 8 position angle plug, transparent housing. | .250"-.655" (6.4-16.6) | **HBL8215CAT*** | **HBL8315CAT*** |

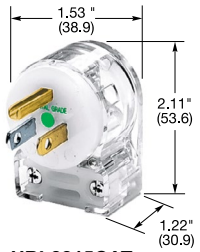
### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| White nylon. | .300"-.660" (7.6-16.8) | **HBL8115V** | **HBL8364V** |
| Insulation displacement, white nylon. | .300"-.360" (7.6-9.1) | **HBL8013V*** | – |



HBL8215C


HBL8215CTST



HBL8215CAT

IP20 SUITABILITY

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

## Hospital Grade Connector Bodies

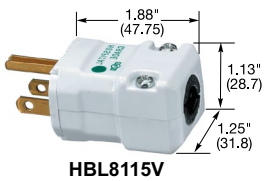
### Insulgrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .230"-.720" (5.8-18.3) | **HBL8219C** | **HBL8319C** |
| Black and white, spring termination | .230"-.720" (5.8-18.3) | **HBL8219CST** | **HBL8319CST** |
| Transparent housing. | .230"-.720" (5.8-18.3) | **HBL8219CT** | **HBL8319CT** |
| Transparent housing, spring termination | .230"-.720" (5.8-18.3) | **HBL8219CTST** | **HBL8319CTST** |

### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| White nylon. | .300"-.660" (7.6-16.8) | **HBL8119V** | – |

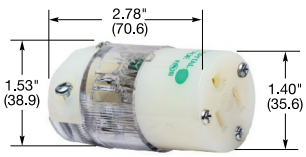
*Note: *Not Fed. Spec. Listed.*
*See page A-48 for accessories.*



HBL8115V



HBL8219C



HBL8219CT

IP20 SUITABILITY

15A 250V
NEMA 6-15P
UL CSA
1.5 HP

20A 250V
NEMA 6-20P
UL CSA
2 HP

## Hospital Grade Plugs

### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Valise plug, white nylon. | .300"-.660" (7.6-16.8) | **HBL8666V** | **HBL8464V** |

*Note: HP ratings listed above are based on 208 to 240V AC only.*



HBL8119V

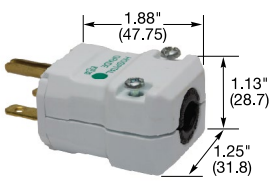
15A 250V
NEMA 6-15R
UL CSA
1.5 HP

20A 250V
NEMA 6-20R
UL CSA
2 HP

## Hospital Grade Connector Bodies

### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| White nylon. | .300"-.660" (7.6-16.8) | – | **HBL8469V** |



HBL8666V

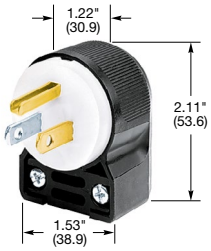
*Dimensions in Inches (mm)*



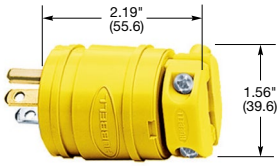

HBL5266C



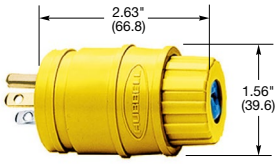
HBL5266CST



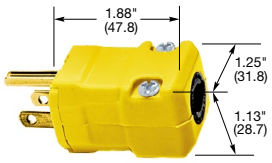

HBL5266CA



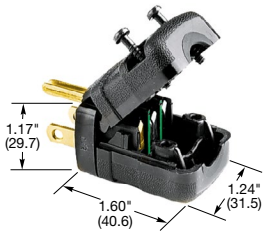

HBL1447




HBL14W47




HBL5965VY




HBL5966VBLK

*Dimensions in Inches (mm)*

## Plugs

IP20 SUITABILITY




**15A 125V**
**NEMA 5-15P**
UL CSA




**20A 125V**
**NEMA 5-20P**
UL CSA

### Insulgrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .230"-.720" (5.8-18.3) | **HBL5266C** | **HBL5366C** |
| Black and white, spring termination | .230"-.720" (5.8-18.3) | **HBL5266CST** | **HBL5366CST** |
| Blue and white nylon. | .230"-.720" (5.8-18.3) | **HBL5266CBL** | **–** |
| Black nylon extra large cord clamp. | .360"-.720" (9.1-18.3) | **HBL5266EBK** | **HBL5366EBK** |
| Black, spring termination | .230"-.720" (5.8-18.3) | **HBL5266CBKST** | **HBL5366CBKST** |
| Corrosion resistant yellow nylon. | .230"-.720" (5.8-18.3) | **HBL52CM66C** | **HBL53CM66C** |
| Corrosion resistant yellow nylon, spring termination | | **HBL52CM66CST** | **HBL53CM66CST** |
| 8-position angle plug, black and white nylon. | .325"-.655" (8.3-16.6) | **HBL5266CA** | **HBL5366CA** |
| 8-position angle plug, transparent enclosure. | .325"-.655" (8.3-16.6) | **HBL5266CAT** | **–** |
| Anchor lock, black and white nylon. | .230"-.720" (5.8-18.3) | **HBL5280C*** | **–** |
| Anchor lock, corrosion resistant yellow nylon. | .230"-.720" (5.8-18.3) | **HBL52CM80C*** | **–** |
| Finger grip, black neoprene, combination screws. CSA only. | .31"-.43" (7.9-10.9) | **HBL5921** | **–** |
| Fusible, black vinyl housing, slotted screws. CSA only. | .296"-.625" (7.5-15.9) | **HBL5299** | **–** |

### Elastogrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow elastomer, dust tight. IP20 SUITABILITY. | .300"-.655" (7.6-16.6) | **HBL1447** | **HBL1433** |
| Yellow elastomer, watertight. IP20 and IP55 SUITABILITY. | .300"-.655" (7.6-16.6) | **HBL14W47**** | **HBL14W33**** |
| Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY. | .375"-.625" (9.5-15.9) | **HBL14W47A** | **HBL14W33A** |

### Valise®

IP20 SUITABILITY

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow nylon. | .220"-.660" (5.6-16.8) | **HBL5965VY** | **HBL5364VY** |
| Black nylon. | .220"-.660" (5.6-16.8) | **HBL5965VBLK** | **HBL5364VBK** |
| Gray nylon. | .220"-.660" (5.6-16.8) | **HBL5965VGY** | **–** |
| Orange nylon, sold in bulk pack of 50. | .220"-.660" (5.6-16.8) | **HBL515PVO** | **–** |
| Insulation displacement terminals, black nylon. | .230"-.360" (5.8-9.1) | **HBL5966VBLK** | **–** |
| Insulation displacement terminals, yellow nylon. | .230"-.360" (5.8-9.1) | **HBL5966VY** | **–** |

*Note: *UL Component Listed only. Not for general use applications.*
***Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies.*
*Horsepower ratings listed are AC only.*
*See page A-48 for accessories.*

## Connector Bodies

IP20 SUITABILITY




15A 125V
NEMA 5-15R
UL CSA
0.5 HP




20A 125V
NEMA 5-20R
UL CSA
1 HP

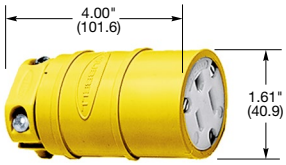
### Insulgrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .230"-.720" (5.8-18.3) | **HBL5269C** | **HBL5369C** |
| Black and white, spring termination | .230"-.720" (5.8-18.3) | **HBL5269CST** | **HBL5369CST** |
| Blue and white nylon. | .230"-.720" (5.8-18.3) | **HBL5269CBL** | – |
| Black nylon extra large cord clamp. | .360"-.720" (9.1-18.3) | **HBL5269EBK** | **HBL5369EBK** |
| All black, spring termination | .230"-.720" (5.8-18.3) | **HBL5269CBKST** | **HBL5369CBKST** |
| Corrosion resistant yellow nylon. | .230"-.720" (5.8-18.3) | **HBL52CM69C** | **HBL53CM69C** |

*Note: See page A-48 for accessories.*



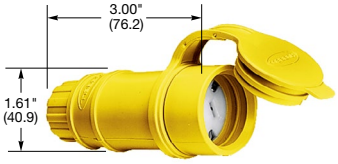

**HBL5269C**




**HBL1547**

### Elastogrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow elastomer, dust tight. IP20 SUITABILITY. | .300"-.655" (7.6-16.6) | **HBL1547** | **HBL1533** |
| Yellow elastomer, watertight. IP20 and IP55 SUITABILITY. | .300"-.655" (7.6-16.6) | **HBL15W47*** | **HBL15W33*** |
| Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY. | .375"-.625" (9.5-15.9) | **HBL15W47A** | **HBL15W33A** |



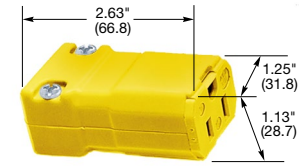

**HBL15W47**

### Valise®

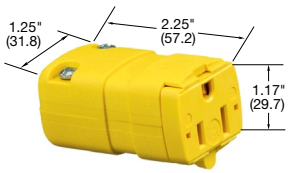
IP20 SUITABILITY

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow nylon. | .220"-.660" (5.6-16.8) | **HBL5969VY** | **HBL5369VY** |
| Black nylon. | .220"-.660" (5.6-16.8) | **HBL5969VBLK** | **HBL5369VBK** |
| Gray nylon. | .220"-.660" (5.6-16.8) | **HBL5969VGY** | – |
| Orange nylon, sold in bulk pack of 50. | .220"-.660" (5.6-16.8) | **HBL515CVO** | – |
| Insulation displacement terminals, black nylon. | .230"-.360" (5.8-9.1) | **HBL5963VBK** | – |
| Insulation displacement terminals, yellow nylon. | .230"-.360" (5.8-9.1) | **HBL5963VY** | – |

*Note: *Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with mating Elastogrip watertight plug.*
*Connector bodies are not HP rated.*
*See page A-48 for accessories.*




**HBL5969VY**




**HBL5963VY**

For quick visual identification of circuits or configurations.

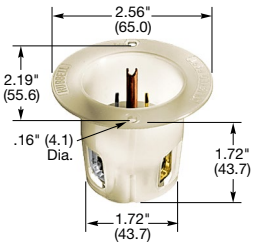
### Colored Cord Clamps*

| Description | Color | Catalog Number |
|---|---|---|
| For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only. | Blue | **HBLCORDCLAMPBL** |
| | Green | **HBLCORDCLAMPGN** |
| | Orange | **HBLCORDCLAMPOR** |
| | Purple | **HBLCORDCLAMPP** |
| | Red | **HBLCORDCLAMPR** |
| | Yellow | **HBLCORDCLAMPY** |

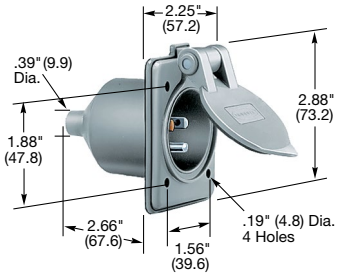
*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*



*Dimensions in Inches (mm)*




**HBL5278C**




**HBL61CM64**

## Flanged Inlets

| Description | 15A 125V NEMA 5-15P UL CSA | 20A 125V NEMA 5-20P UL CSA |
|---|---|---|
| Nylon casing, back wired. | **HBL5278C** | **HBL5378C** |
| Weatherproof, gray, with lift cover and multiple drive screws. | **HBL61CM64** | – |
| Weatherproof, black, with lift cover and boot, multiple drive screws. | **HBL61CM64BK** | – |
| Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws. | **HBL5240*** | – |

*Note: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81.*

*See pages A-47 and A-48 for accessories.*

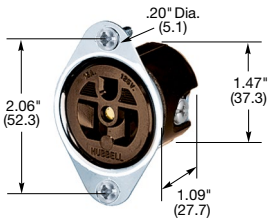



**HBL5279C**

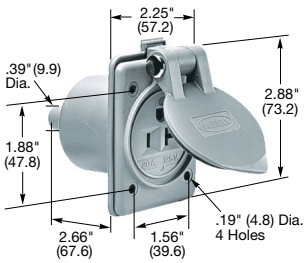
## Flanged Receptacles

| Description | 15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP |
|---|---|---|
| Nylon casing, back wired. | **HBL5279C** | **HBL5379C** |
| Stainless steel flange, phenolic body, covered terminals, multiple drive screws. | **HBL5279** | – |
| Stainless steel flange, brown phenolic (mounting screws packed separately). | **HBL5256** | – |
| Weatherproof, gray nylon, with lift cover and boot, multiple drive screws. | – | **HBL61CM65** |

*Note: See pages A-47 and A-48 for accessories.*




**HBL5256**

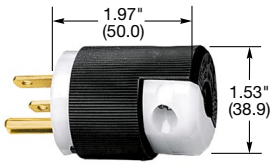



**HBL61CM65**

*Dimensions in Inches (mm)*

## Plugs

| Description | Cord Diameter | 15A 250V NEMA 6-15P UL CSA 1.5 HP | 20A 250V NEMA 6-20P UL CSA 2 HP |
|---|---|---|---|
| Insulgrip® Plug, black and white nylon. | .230"-.720" (5.8-18.3) | **HBL5666C** | **HBL5466C** |
| Insulgrip plug, black and white, spring termination | .230"-.720" (5.8-18.3) | **HBL5666CST** | **HBL5466CST** |
| Insulgrip® Plug, corrosion resistant, yellow nylon. | .230"-.720" (5.8-18.3) | **HBL56CM66C** | **HBL54CM66C** |
| Insulgrip plug, corrosion resistant, spring termination, yellow | .230"-.720" (5.8-18.3) | **HBL56CM66CST** | **HBL54CM66CST** |
| 8-Position Insulgrip® Angle Plug, black and white nylon. | .325"-.655" (8.3-16.6) | **HBL5666CA** | **HBL5466CA** |
| Valise® Plug, yellow nylon. | .220"-.660" (5.6-16.8) | **HBL5666VY** | **HBL5464VY** |



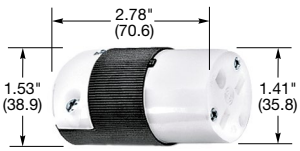
**HBL5666C**


**HBL5666CST**

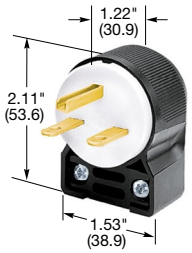
## Connector Bodies

| Description | Cord Diameter | 15A 250V NEMA 6-15R UL CSA | 20A 250V NEMA 6-20R UL Listed |
|---|---|---|---|
| Insulgrip® Connector Body, black and white nylon, multiple drive screws. | .230"-.720" (5.8-18.3) | **HBL5669C** | **HBL5469C** |
| Insulgrip Connector Body, Black and White, Spring Termination | .230"-.720" (5.8-18.3) | **HBL5669CST** | **HBL5469CST** |
| Valise® Connector Body, yellow nylon. | .220"-.660" (5.6-16.8) | **HBL5669VY** | **HBL5469VY** |

*Note: See page A-48 for accessories.*



**HBL5669C**



**HBL5666CA**

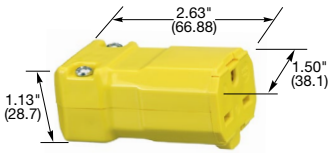
## Insulgrip® Flanged Inlets

| Description | 15A 250V NEMA 6-15P UL CSA | 20A 250V NEMA 6-20P UL CSA |
|---|---|---|
| Nylon casing, back wired. | **HBL5678C** | **HBL5478C** |

*Note: Flanged inlets are not HP rated.*
*See page A-48 for accessories.*



**HBL5666VY**

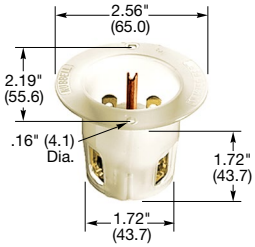


**HBL5669VY**

## Flanged Receptacles

| Description | 15A 250V NEMA 6-15R UL CSA | 20A 250V NEMA 6-20R UL Listed |
|---|---|---|
| Nylon casing, multiple drive screws. | **HBL5679C** | **HBL5479C** |
| Stainless steel flange, brown phenolic housing (mounting screws packaged separately). | **HBL5656** | – |

*Note: Connector bodies are not HP rated.*
*See pages A-47 and A-48 for accessories.*



**HBL5678C**

For quick visual identification of circuits or configurations.

## Colored Cord Clamps*

| Description | Color | Catalog Number |
|---|---|---|
| For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only. | Blue | **HBLCORDCLAMPBL** |
| | Green | **HBLCORDCLAMPGN** |
| | Orange | **HBLCORDCLAMPOR** |
| | Purple | **HBLCORDCLAMPP** |
| | Red | **HBLCORDCLAMPR** |
| | Yellow | **HBLCORDCLAMPY** |

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

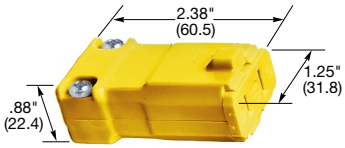


*Dimensions in Inches (mm)*

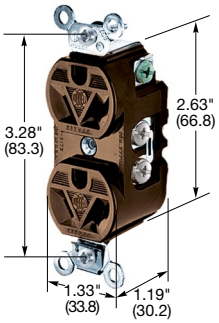
# Straight Blade Devices



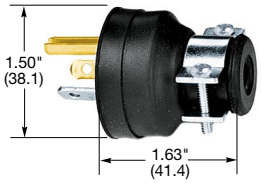

HBL5865VY



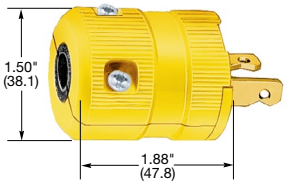

HBL5869VY



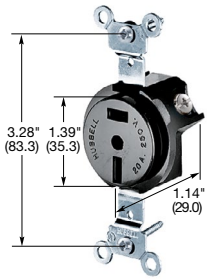

HBL5302




HBL5929




HBL9758VY




HBL5552B

## 15A, 125V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY




**15A 125V**
**NEMA 1-15R**
UL CSA
0.5 HP




**15A 125V**
**NEMA 1-15P**
UL CSA
0.5 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow nylon, non-polarized. | .218"-.385" (5.5-9.8) | – | **HBL5865VY** |
| Yellow nylon, polarized. | .218"-.385" (5.5-9.8) | – | **HBL5866VY** |
| Black nylon, polarized. | Type 17/2 "SVT" cord | – | **HBL5867VBLK** |

### Valise® Connector Bodies

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow nylon. | .218"-.385" (5.5-9.8) | **HBL5869VY** | – |

## 15A, 277V AC, 2 Pole, 3 Wire Grounding, Plugs




**15A 277V AC**
**NEMA 7-15R**
UL CSA
2 HP




**15A 277V AC**
**NEMA 7-15P**
2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Finger grip, black elastomer. | .31"-.43" (7.9-10.9) | – | **HBL5929*** |

### Receptacles and Connector Bodies

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, flush duplex, brown, back and side wired. | – | **HBL5302** | – |
| Connector Body, phenolic and steel body. | .296"-.625" (7.5-15.9) | **HBL5324** | – |

*Note: *Not UL Listed.*
*Horsepower ratings are AC only.*
*See pages A-47 and A-48 for accessories.*

## 20A, 250V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY



**20A 250V**
**NEMA 2-20R**
UL Listed
2 HP



**20A 250V**
**NEMA 2-20P**
UL Listed
2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Yellow nylon. | .220"-.660" (5.6-16.8) | – | **HBL9758VY** |

### Receptacle, Single

| Description | Catalog Number | |
|---|---|---|
| Black phenolic. | **HBL5552B** | – |

*Note: Horsepower ratings are AC only and apply to plugs and receptacles only.*
*See pages A-47 and A-48 for accessories.*

*Dimensions in Inches (mm)*

## 20A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

**IP20** SUITABILITY



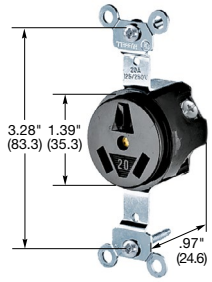

**20A 125V/250V**
**NEMA 10-20R**
UL Listed
2(1) HP




**20A 125V/250V**
**NEMA 10-20P**
UL Listed
2(1) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black phenolic. | – | **HBL6810** | – |
| Plug, Insulgrip®, nylon. | .385"-.780" (9.8-19.8) | – | **HBL9977C** |

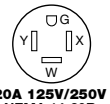
*Note: Horsepower ratings listed above are AC only.*
*Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).*
*Those in parentheses are phase to neutral (120V AC).*
*See pages A-47 and A-48 for accessories.*




**HBL6810**

## 20A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY



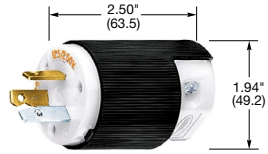

**20A 125V/250V**
**NEMA 14-20R**
UL CSA
2(1) HP



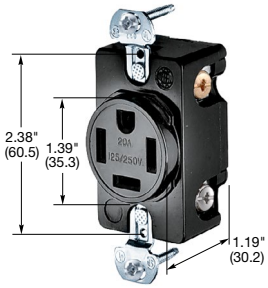

**20A 125V/250V**
**NEMA 14-20P**
UL CSA
2(1) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black nylon body, back and side wired. | – | **HBL8410** | – |
| Plug, nylon, angle 4-position. | .390"-.775" (9.9-19.7) | – | **HBL8411C** |

*See pages A-47 and A-48 for accessories.*




**HBL9977C**




**HBL8410**

## 20A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY



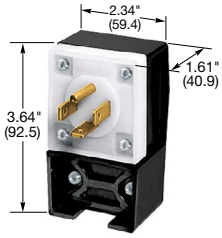

**20A 3Ø 250V AC**
**NEMA 15-20R**
UL CSA
3 HP




**20A 3Ø 250V AC**
**NEMA 15-20P**
UL CSA
3 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black nylon body, back and side wired. | – | **HBL8420** | – |
| Plug, nylon, angle 4-position. | .390"-.775" (9.9-19.7) | – | **HBL8421C** |

*Note: Horsepower ratings listed above are AC only.*
*Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).*
*Horsepower ratings in parentheses are phase to neutral (120V AC).*
*See pages A-47 and A-48 for accessories.*




**HBL8411C**

## 20A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

**IP20** SUITABILITY



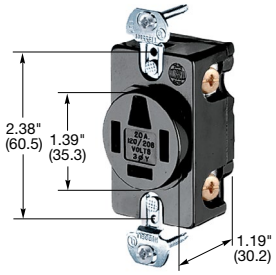

**20A 3ØY 120/208V AC**
**NEMA 18-20R**
UL Listed
2 HP



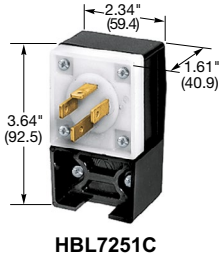

**20A 3ØY 120/208V AC**
**NEMA 18-20P**
UL Listed
2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black nylon body. | – | **HBL7250** | – |
| Plug, nylon, angle, 4-position. | .390"-.775" (9.9-19.7) | – | **HBL7251C** |

*Note: Horsepower ratings are phase to phase (208 to 240V AC).*
*Weatherproof boots for plugs not available.*
*See pages A-47 and A-48 for accessories.*

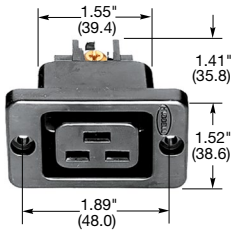



**HBL7250**




**HBL7251C**

*Dimensions in Inches (mm)*

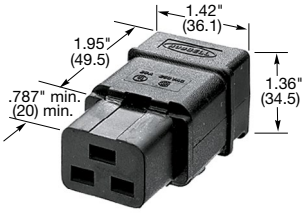



H320R

## Receptacle IEC 320 Compatible

| Description | Catalog Number |
|---|---|
| 20/16A 250V AC IEC straight blade. | **H320R** |
| For Ring Terminal connection. | **H320RRT*** |

*Note: *Not UL Listed.*

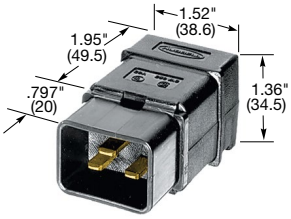



H320C

## Connector

IP20 SUITABILITY

| Description | Catalog Number |
|---|---|
| 20/16A 250V AC IEC straight blade. | **H320C** |

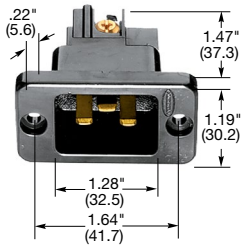



H320P

## Plug IEC 320 Compatible

IP20 SUITABILITY

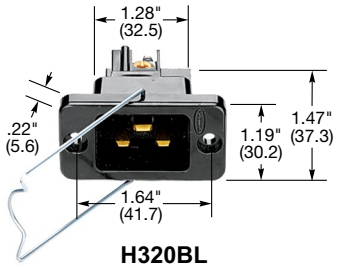
| Description | Catalog Number |
|---|---|
| 20/16A 250V AC IEC straight blade. | **H320P** |




H320B

## Inlets

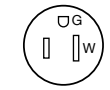
| Description | Catalog Number |
|---|---|
| 20/16A 250V AC IEC straight blade. | **H320B** |
| 20/16A 250V AC IEC straight blade with retention clamp. | **H320BL** |




H320BL

*Dimensions in Inches (mm)*

## Acceptor® Hazardous Location Receptacles



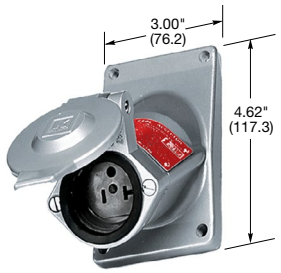

**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Description | Catalog Number | |
|---|---|---|
| Explosion and dust ignition proof.<br>Class I, Div. 1 & 2, Groups C, D<br>Class II, Div. 1 & 2, Groups F, G<br>Class III<br>NEMA® 3, 7 B C D, 9 F G | –<br>– | **UGRO20231**<br>**UGRA20231*** |

*Note: *UGRA version includes an adapter plate for mounting to Crouse-Hinds® EDS series and Appleton® EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.*




**UGRO20231**

## Acceptor® Hazardous Location Plugs

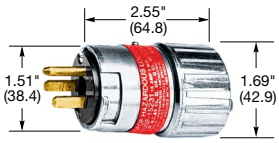



**15A 125V**
**NEMA 5-15P**
UL CSA




**20A 125V**
**NEMA 5-20P**
UL CSA

| Description | Catalog Number | |
|---|---|---|
| Explosion and dust ignition proof.<br>Class I, Div. 1 & 2, Groups B, C, D<br>Class II, Div. 1 & 2, Groups E, F, G<br>Class III<br>NEMA® 3, 7 B C D, 9 F G | **UGP15231** | **UGP20231** |

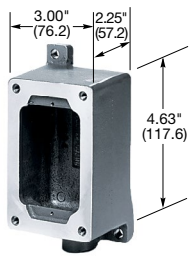



**UGP15231**

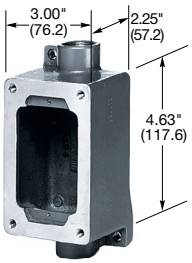
## SWB Series Boxes

| Hub Size | 1-Gang Dead End | 1-Gang Feed Thru |
|---|---|---|
| ½ in. NPT<br>¾ in. NPT<br>Class I, Div. 1 & 2, Groups C, D<br>Class II, Div. 1 & 2, Groups E, F, G<br>Class III<br>NEMA® 7 C D, 9 E F G | **SWB1**<br>**SWB2** | **SWB4**<br>**SWB5** |

*Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.*



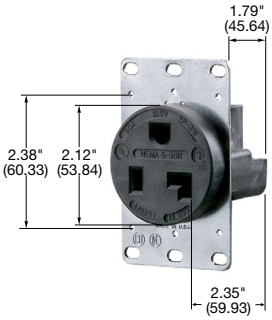

**SWB1**



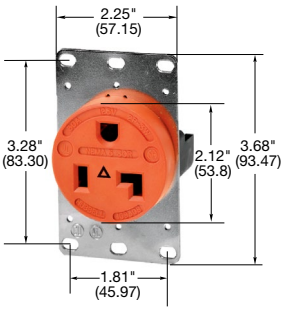

**SWB5**

*NEMA® is a registered trademark of the National Electrical Manufacturers Association.*

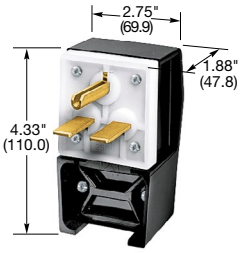
*Dimensions in Inches (mm)*



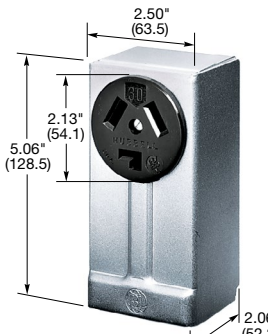

HBL9308



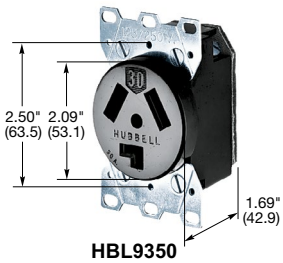

IG9308




HBL9331




HBL9395




HBL9350

*Dimensions in Inches (mm)*

## 30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY




**30A 125V**
**NEMA 5-30R**
UL CSA
2 HP




**30A 125V**
**NEMA 5-30P**
UL CSA
2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9308** | – |
| Receptacle, orange, isolated ground[Δ]. | – | **IG9308** | – |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.1) | – | **HBL9309*** |

## 30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs




**30A 125V**
**NEMA TT-30R**
UL Listed
2 HP




**30A 125**
**NEMA TT-30P**
UL Listed
2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. Travel Trailer use only. | – | **HBLTT30R** | – |
| Plug, nylon, angle. Travel Trailer use only. | .625"-1.187" (15.9-30.1) | – | **HBLTT30P** |

## 30A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY




**30A 250V**
**NEMA 6-30R**
UL CSA
2 HP




**30A 250V**
**NEMA 6-30P**
UL CSA
2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9330** | – |
| Receptacle, orange, isolated ground[Δ]. | – | **IG9330** | – |
| Plug, nylon, angle, 4-position | .625"-1.187" (15.9-30.1) | – | **HBL9331*** |

## 30A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY




**30A 277V AC**
**NEMA 7-30R**
UL CSA
3 HP




**30A 277V AC**
**NEMA 7-30P**
UL CSA
3 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9315** | – |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.1) | – | **HBL9319*** |

## 30A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

**IP20** SUITABILITY




**30A 125/250V**
**NEMA 10-30R**
UL Listed
2(2) HP




**30A 125/250V**
**NEMA 10-30P**
UL Listed
2(2) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black phenolic. | – | **HBL9350** | – |
| Receptacle, surface mount aluminum housing. | – | **HBL9395** | – |
| Plug, Insulgrip®, nylon. | .625"-1.00" (15.9-25.4) | – | **HBL9337C** |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.1) | – | **HBL9333** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
*[Δ]See section N for additional information on isolated ground devices..*
**Not Fed. Spec. Listed.*
*See page A-49 for accessories.*

## 30A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY

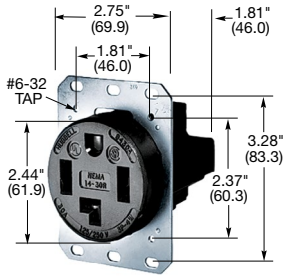



**30A 125/250V NEMA 14-30R** 2(2) HP




**30A 125/250V NEMA 14-30P** 2(2) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9430A** | – |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | – | **HBL9431C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | – | **HBL9432C** |




**HBL9430A**

## 30A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY

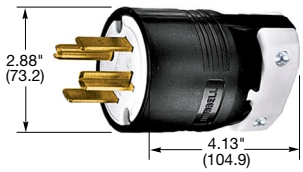



**30A 3Ø 250V AC NEMA 15-30R** 3 HP




**30A 3Ø 250V AC NEMA 15-30P** 3 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL8430A** | – |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | – | **HBL8431C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | – | **HBL8432C** |




**HBL9431C**




**HBL9432C**

## 30A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

**IP20** SUITABILITY

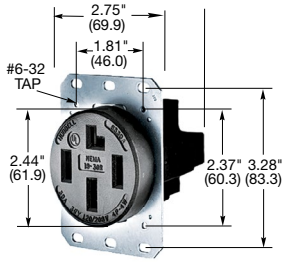



**30A 3ØY 120/208V AC NEMA 18-30R** UL Listed 3 HP

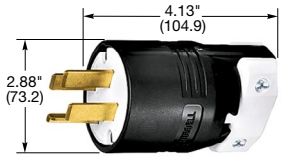



**30A 3ØY 120/208V AC NEMA 18-30P** UL Listed 3 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL8330A** | – |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | – | **HBL8331C** |




**HBL8330A**

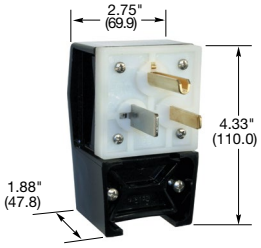



**HBL8331C**

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*

*See pages A-49 and A-50 for accessories.*

*Dimensions in Inches (mm)*




HBL9361

## 50A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY

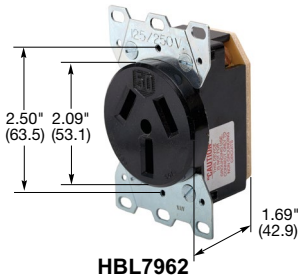



**50A 125V NEMA 5-50R** UL CSA 2 HP




**50A 125V NEMA 5-50P** UL CSA 2 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9360** | – |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.2) | – | **HBL9361** |




HBL7962

## 50A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY

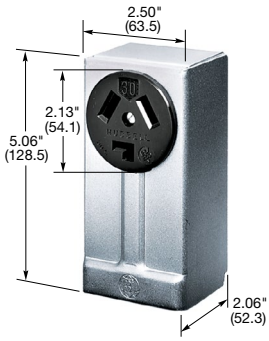



**50A 250V NEMA 6-50R** UL CSA 3 HP




**50A 250V NEMA 6-50P** UL CSA 3 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9367** | – |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.2) | – | **HBL9368** |




**Representative of surface mount receptacle**

## 50A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY




**50A 277V AC NEMA 7-50R** UL CSA 5 HP

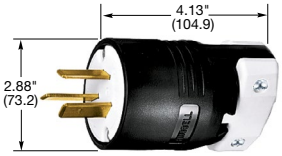



**50A 277V AC NEMA 7-50P** UL CSA 5 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9365** | – |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.2) | – | **HBL9379** |




HBL7515C




HBL7513C

## 50A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles, Connector Body and Plugs

**IP20** SUITABILITY




**50A 125/250V NEMA 10-50R** UL Listed 3(2) HP




**50A 125/250V NEMA 10-50P** UL Listed 3(2) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black phenolic. | – | **HBL7962** | – |
| Receptacle, surface mount aluminum housing. | – | **HBL7940** | – |
| Connector body, Insulgrip, nylon. | .625"-1.218" (15.9-30.9) | **HBL7515C** | – |
| Plug, Insulgrip, nylon. | .625"-1.218" (15.9-30.9) | – | **HBL7513C** |
| Plug, nylon, angle, 4-position. | .625"-1.187" (15.9-30.2) | – | **HBL7977** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
*See pages A-49 and A-50 for accessories.*

*Dimensions in Inches (mm)*

## 50A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY

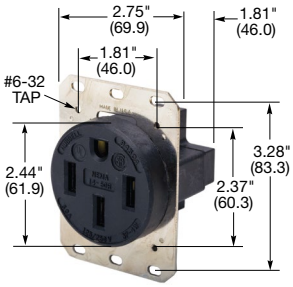



**50A 125/250V NEMA 14-50R**
UL CSA
3(2) HP




**50A 125/250V NEMA 14-50P**
UL CSA
3(2) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9450A** | – |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | – | **HBL9451C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | – | **HBL9452C** |




**HBL9450A**

## 50A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20** SUITABILITY




**50A 3Ø 250V AC NEMA 15-50R**
UL CSA
7.5 HP




**50A 3Ø 250V AC NEMA 15-50P**
UL CSA
7.5 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL8450A** | – |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | – | **HBL8451C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | – | **HBL8452C** |




**HBL9451C**

## 50A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

**IP20** SUITABILITY



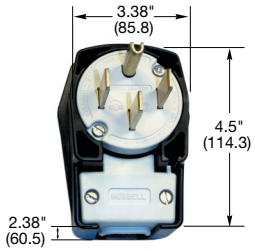

**50A 3ØY 120/208V AC NEMA 18-50R**
UL Listed
7.5 HP



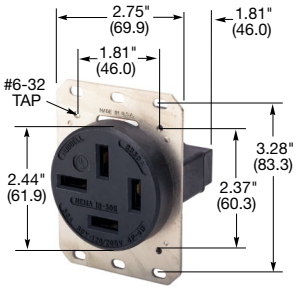

**50A 3ØY 120/208V AC NEMA 18-50P**
UL Listed
7.5 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL8350A** | – |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | – | **HBL8352C** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
*See page A-50 for accessories.*

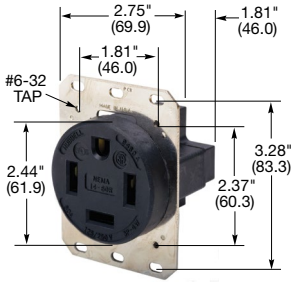



**HBL9452C**




**HBL8350A**

*Dimensions in Inches (mm)*




HBL9460A

## 60A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20**
SUITABILITY




**60A 125/250V NEMA 14-60R**
UL CSA
3(2) HP

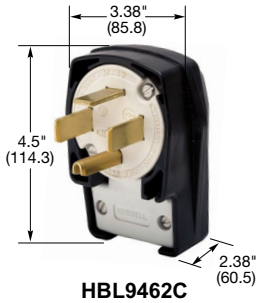



**60A 125/250V NEMA 14-60P**
UL CSA
3(2) HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL9460A** | **–** |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | **–** | **HBL9461C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | **–** | **HBL9462C** |




HBL9461C




HBL9462C

## 60A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

**IP20**
SUITABILITY




**60A 3Ø 250V AC NEMA 15-60R**
UL CSA
10 HP




**60A 3Ø 250V AC NEMA 15-60P**
UL CSA
10 HP

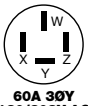
| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL8460A** | **–** |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | **–** | **HBL8461C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | **–** | **HBL8462C** |

## 60A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

**IP20**
SUITABILITY



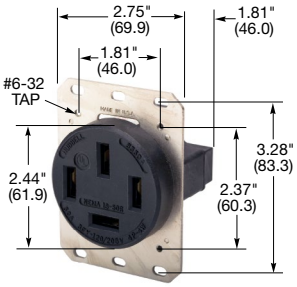

**60A 3ØY 120/208V AC NEMA 18-60R**
UL Listed
7.5 HP




**60A 3ØY 120/208V AC NEMA 18-60P**
UL Listed
7.5 HP

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Receptacle, black RTP. | – | **HBL7301A** | **–** |
| Plug, nylon. | .625"-1.310" (15.9-33.3) | **–** | **HBL7303C** |
| Plug, nylon, angle, 4-position. | .625"-1.310" (15.9-33.3) | **–** | **HBL7302C** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
*See page A-50 for accessories.*




HBL7301A

*Dimensions in Inches (mm)*

## Miscellaneous and Combination Receptacles

*2 Pole, 3 Wire Grounding*




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

### Miscellaneous Receptacles

| Description | Catalog Number |
|---|---|
| Receptacle, display type, brown phenolic with .060 in. brass plate and blank flush plug. | **HBL5236** |
| Replacement receptacle for HBL5236. | **HBL5236M2** |
| Replacement threaded plug for HBL5236. | **HBL5236PLUG*** |
| Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box. | **HBL6236** |
| Receptacle, clock hanger, white with stainless steel plate. | **HBL5235** |

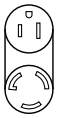
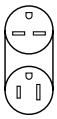
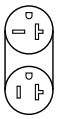
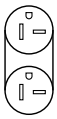


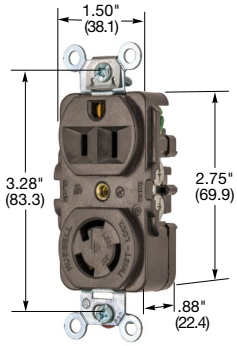
**HBL5236**



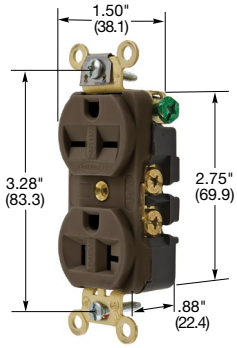
**HBL5235**

### Special Combination Duplex Receptacles

| Description | | | Catalog Number |
|---|---|---|---|
| 15A, 125V |  | Brown RTP, 1 feed, 1 return, back/side wired | **HBL4792** |
| | | Brown RTP, 2 feeds, 1 return, side wired | **HBL4794** |
| 15A, 125V | | Brown RTP, 2 feeds, 2 returns, side wired | **HBL4795** |
| 15A, 250V |  | Brown nylon face, 2 circuit, back and side wired | **HBL5292** |
| 15A, 125V | | Ivory nylon face, 2 circuit, back and side wired | **HBL5292I** |
| 20A, 250V |  | Brown nylon face, 2 circuit, back and side wired | **HBL5492** |
| 20A, 125V | | Ivory nylon face, 2 circuit, back and side wired | **HBL5492I** |
| 15A, 125V<br>10A, 250V<br>15A, 125V |  | Brown RTP, 2 feeds, 1 return, common ground | **HBL7371** |
| 20A, 125V |  | Brown nylon, side and back wired | **HBL5392** |
| 20A, 125V | | *Note: This device will only accept 20A grounding plugs.* | |




**HBL4792**




**HBL5292**

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
**Not UL Listed or CSA certified.*
*See page A-47 for accessories.*

*Dimensions in Inches (mm)*

## Accessories

*For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices*



**P8**



**P26I**



**SS7**

### Wallplates, 1-Gang

| Description | Color | Duplex Receptacle | Style Line® Receptacle | Single Receptacle Plate 1.40 in. (35.6) Dia. |
|---|---|---|---|---|
| Thermoplastic, smooth. | Black | **P8BK** | **P26BK** | **P7BK** |
| | Brown | **P8** | **P26** | **P7** |
| | Gray | **P8GY** | **P26GY** | **P7GY** |
| | Ivory | **P8I** | **P26I** | **P7I** |
| | Light Almond | **P8LA** | **P26LA** | **P7LA** |
| | Orange | **P8OR** | **–** | **–** |
| | Red | **P8R** | **P26R** | **P7R** |
| | White | **P8W** | **P26W** | **P7W** |
| Stainless steel 302/304, .035 in. (0.9) horizontal brushed finish. | | **SS8** | **SS26** | **SS7** |
| Brass .04 in. (1.0), horizontal brushed finish. | | **SB8** | **SB26** | **SB7** |
| Aluminum .05 in. (1.3), horizontal brushed finish. | | **SA8** | **–** | **SA7** |



**HBL52CM22**



**HBL5206WO**



**HBL7423WO**

### Weatherproof Covers

| Description | Duplex Receptacle | Single Receptacle Plate 1.40 in. (35.6) Dia. |
|---|---|---|
| RTP, gray, for FS/FD box mounting. | **HBL5221** | **HBL7423WO** |
| RTP, yellow, for FS/FD box mounting. | **HBL52CM21** | **HBL74CM23WO** |
| RTP, gray, for device mounting. | **HBL5222** | **–** |
| RTP, yellow, for device mounting. | **HBL52CM22** | **–** |
| Cast aluminum for FS/FD box mounting. | **HBL5206WO** | **HBL7420** |
| Cast aluminum for device mounting. | **HBL5205WO** | **–** |

*Note: All weatherproof plates are UL Listed for Wet Locations.*
*Those with suffix WO are listed for use with cover open, all others with cover closed.*
*RTP is an abbreviation for reinforced thermoplastic polyester.*
*See section O for additional information on cover plates.*

*Dimensions in Inches (mm)*

## Accessories

*For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices*

IP44 SUITABILITY

### Weatherproof Covers
### For Nylon Flanged Inlets and Flanged Receptacles

| Description | Catalog Number |
|---|---|
| RTP, gray, for FS/FD box mounting. | **WP1** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
*See page O-21 for additional information on weatherproof covers.*



**WP1**

IP55* SUITABILITY

### Weatherproof Boots

| Description | Catalog Number |
|---|---|
| Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets. | **HBL6017** |
| Same as above except yellow. | **HBL60CM17** |
| Seal-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set. | **HBL6018** |
| Same as above except yellow. | **HBL60CM18** |
| Closure plug, black. | **HBL6019** |
| Closure plug, yellow. | **HBL60CM19** |

*Note: *IP55 when installed and used properly with mating components.*
*Boots are not UL Listed or CSA Certified.*



**HBL6017**



**HBL6018**

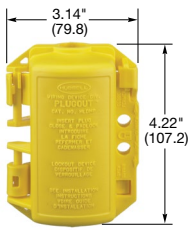


**HBL60CM19**
Shown with **HBL6018**

### PLUGOUT® Device

| Description | Catalog Number |
|---|---|
| Electrical plug lockout devices for 15 and 20A straight blade plugs. | **HLDMP**** |
| PLUGOUT® Lockout device for 20 and 30A Hubbell plugs and others. | **HLD**** |

*Note: **Not UL Listed or CSA Certified.*
*See section BB for additional information on lockout devices.*

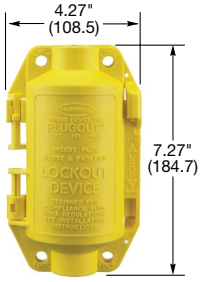



**HLDMP**

### Inserts

| Description | Catalog Number |
|---|---|
| Replacement cord grip inserts for Valise® device, (bag of 40). | **HBLVCGBK**** |

*Note: **Not UL Listed or CSA Certified.*




**HLD**

*Dimensions in Inches (mm)*

## Accessories

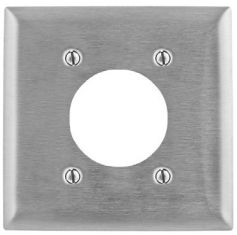
*For 3 Wire 30 and 50 Ampere, 125 and 250 Volts and 277 Volts AC*



P724BK



SS723



SS703

### Wallplates

| Description | Color | Single Receptacle Plate 2.16 in. (54.9) Dia. |
|---|---|---|
| Thermoplastic, smooth, 1-gang. | Black | **P724BK** |
| Thermoplastic, smooth, 2-gang. | Black | **P703BK** |
| Aluminum, .05 in. (1.3), 1-gang, smooth horizontal brushed finish. | | **SA723** |
| Stainless steel 302/304, .035 in. (0.9), 1-gang, smooth horizontal brushed finish. | | **SS723** |
| Stainless steel 302/304, .035 in. (0.9), 2-gang, smooth horizontal brushed finish. | | **SS703** |



HBL9420

IP44 SUITABILITY

### Weatherproof Lift Covers

| Description | Catalog Number |
|---|---|
| Cast aluminum for FS/FD box mounting for 30A. | **HBL9420** |
| Cast aluminum for FS/FD box mounting for 50A. | **HBL9425** |




HLD2

### PLUGOUT® Device

| Description | Catalog Number |
|---|---|
| Electrical plug lockout device for 30, 50 and 60A devices. | **HLD2** |

*Note: See section BB for additional information on lockout devices.*

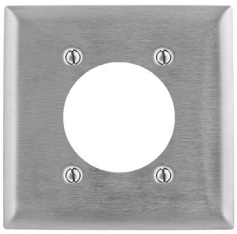
*Dimensions in Inches (mm)*

## Accessories

*For 4 Wire 30, 50 and 60 Ampere, 125/250 Volts, 3Ø 250 and 3ØY 120/208 Volts AC*

### Wallplates, 2-Gang

| Description | Single Receptacle Plate 2.48 in. (63.0) Dia. |
|---|---|
| Brass .04 in. (1.0), brushed, smooth. | **SB701** |
| Stainless steel 302/304, .035 in. (0.9), smooth horizontal brushed finish. | **SS701** |



**SS701**

IP44 SUITABILITY

### Weatherproof Lift Covers

| Description | Catalog Number |
|---|---|
| RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages A-40 to A-43 with "A" suffix. | **HBL7777A** |
| Same as above except yellow. | **HBL77CM77A** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*



**HBL7777A**

### PLUGOUT® Device

| Description | Catalog Number |
|---|---|
| Electrical plug lockout device for 30, 50 and 60A devices. | **HLD2** |

*Note: See section BB for additional information on lockout devices.*




**HLD2**

*Dimensions in Inches (mm)*

## Technical Information



HBL8200GY

### HBL® Extra Heavy Duty Max, Straight Blade Hospital Grade Duplex Receptacles

## Specifications

| Receptacles | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL8200 | Receptacle | 15A |
| Manufacturer's Identification – Hubbell HBL8200 | Top | PBT* |
| Description – Hospital Grade, Straight Blade Duplex Receptacle | Base | RTP** |
| Type – 2 Pole, 3 Wire, Grounding | By-Pass Power Contacts | .037 in. (.9) Brass – Nickel Finish |
| Rating – 15A, 125V | Clamping Plate | .031 in. (.8) Brass – Nickel Finish |
| Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596, | Mounting Strap | .050 in. (1.3) Brass – Nickel Finish |
| Hospital Grade, NEMA® WD-6 Compliant | Line Terminal Screws | #10-32 Silicone Bronze, Multiple Drive |
| Certified to CSA, C22.2, No. 42 File 285 | Hex Head Grounding Screw | #10-32 (Green) Silicon Bronze, Multiple Drive |
| | Center Assembly Rivet | Silicon Bronze |
| | Automatic Self-Grounding Clip | Stainless Steel |
| | Flat Head Mounting Screws | Stainless Steel |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V or 250V as rated. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green). |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-0 and UL 94-5 VA. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

*Note: *Polybutylene Terephthalate.*
***Reinforced Thermoplastic Polyester.*

*NEMA® is a registered trademark of the National Electrical Manufacturers Association.*

## Technical Information



HBL5262

### HBL® Extra Heavy Duty Max, Straight Blade Specification Grade Duplex Receptacles

## Specifications

| Receptacles | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL5262 | Receptacle | 15A |
| Manufacturer's Identification – Hubbell HBL5262 | Top | Nylon |
| Description – Heavy Duty Straight Blade Duplex Receptacle | Base | RTP* |
| Type – 2 Pole, 3 Wire, Grounding | By-Pass Power Contacts | .037 in. (.9) Brass |
| Rating – 15A, 125V | Wire Clamps | .031 in. (.8) Brass |
| Certification: UL Listed to UL498 File E2186, Guide RTRT | Mounting Strap | .050 in. (1.3) Brass |
| Fed. Spec. WC596, Meets NEMA® WD-6 Compliant | Line Terminal Screws | #10-32 Brass, Multiple Drive |
| Certified to CSA, C22.2, No. 42 File 285 | Ground Screw | #10-32 Brass, Multiple Drive (Green) |
| | Center Assembly Rivet | Brass |
| | Automatic Self-Grounding Clip | Stainless Steel |
| | Flat Head Mounting Screws | Steel-Zinc Plated |
| | Ground Tension Clips | Steel-Nickel Finish |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V or 250V as rated. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green). |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | Top: UL 94V-2.<br>Base: UL 94V-0 and UL 94-5 VA. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

*Note: *Reinforced Thermoplastic Polyester.*

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## Technical Information



HBL5252

### HBL® Compact Extra Heavy Duty Max, Straight Blade Specification Grade Receptacles

## Specifications

| Receptacles | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL5252 | Receptacle | 15A |
| Manufacturer's Identification – Hubbell HBL5252 | Top | Nylon |
| Description – Straight Blade Duplex Receptacle | Base | RTP* |
| Type – 2 Pole, 3 Wire, Grounding | Triple Wipe Power Contacts | .032 in. (.8) Brass |
| Rating – 15A, 125V | Wire Clamps | .062 in. (1.8) Steel |
| Certification – UL Listed to UL 498 File E2186, | Mounting Strap | .050 in. (1.3) Brass |
| Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285 | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| | Ground Screw | #8-32 Brass, Multiple Drive (Green) |
| | Center Assembly Rivet | Brass |
| | Automatic Self-Grounding Clip | Stainless Steel |
| | Flat Head Mounting Screws | Steel-Zinc Plated |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V or 250V as rated. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 (Brass, White, Green). |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

*Note: *Reinforced Thermoplastic Polyester.*
*Please consult the factory for product dimensions and specifications of other products listed in this catalog.*

## Technical Information



HBL2152



HBL2172

### HBL® Compact Heavy Duty Style Line®, Specification Grade and Hospital Grade Straight Blade Duplex Receptacles

### Specifications

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL2152 | Receptacle | 15A |
| Manufacturer's Identification – Hubbell HBL2152 Receptacle | Top | Nylon |
| Description – Straight Blade Duplex Receptacle | Base | Nylon |
| Type – 2 Pole, 3 Wire Grounding | Triple Wipe Power Contacts | .031 in. (.8) Brass |
| Rating – 15A, 125V | Wire Clamp | .062 in. (1.8) Steel-Nickel Finish |
| Certification – UL File No. E2186 | Mounting Strap | .050 in. (1.3) Galvanized Steel |
| Certified to CSA File No. 285 | Ground Contact | .031 in. (.8) Brass |
| | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| | Ground Screw | #8-32 Brass, Multiple Drive |
| | Automatic Self-Grounding Staple | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL2172 | Receptacle | 15A |
| Manufacturer's Identification – Hubbell HBL2182 Receptacle | Top | Nylon |
| Description – Straight Blade Duplex Receptacle | Base | RTP* |
| Type – 2 Pole, 3 Wire Grounding | Triple Wipe Power Contacts | .031 in. (.8) Brass |
| Rating – 15A, 125V | Wire Clamp | .062 in. (1.8) Steel-Nickel Finish |
| Certification – UL Listed to UL498 File E2186, | Mounting Strap | .050 in. (1.3) Galvanized Steel |
| Fed. Spec. WC596, Certified to CSA File No. 285 | Ground Contact | .031 in. (.8) Brass |
| | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| | Ground Screw | #8-32 Brass, Multiple Drive |
| | Automatic Self-Grounding Staple | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green). |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

*Note: *Reinforced Thermoplastic Polyester.*

*Please consult the factory for product dimensions and specifications of other products listed in this catalog.*

## Technical Information



SNAP8200WA



SNAP2182A



SNAP5362IA

### SNAP*Connect*® Straight Blade Duplex Receptacles Specification Grade and Hospital Grade

## Specifications

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. SNAP8200 | Receptacle | 15A |
| Manufacturer's Identification – Hubbell SNAP8200 | Top | Nylon |
| Description – Straight Blade Duplex Receptacle | Base | Nylon |
| Type – 2 Pole, 3 Wire, Grounding | Triple Wipe Power Contacts | Brass |
| Rating – 15A, 125V | Mounting Strap | Galvanized Steel; Brass (HG) |
| Certification – UL Listed to UL 498 | Automatic Self-Grounding Clip | Stainless Steel |
| Fed. Spec. WC596, Certified to CSA 22.2, No. 42 | Flat Head Mounting Screws | Steel-Zinc Plated/Self Tapping |

| Connector | Contact | Connector Body | Wire |
|---|---|---|---|
| SNAP1RA | Brass | Clear Polycarbonate | 6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min). |
| SNAP2RA | Brass | Clear Polycarbonate | 6" Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min). |

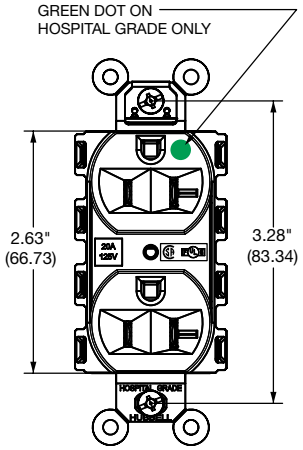
## Performance

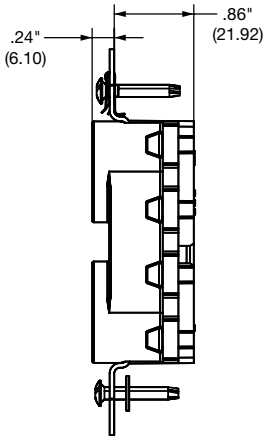
| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V as rated. |
| Current Interrupting | Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current. |

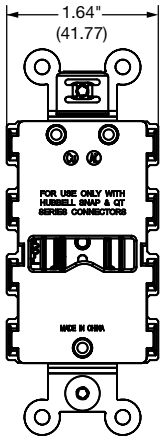
| Mechanical | |
|---|---|
| Terminal Wire Leads Identification | Terminal wire leads identified in accordance with UL 498 (Black, White, Green). |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (without impact). |

## Dimensions







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## Technical Information



8200REDLTRA



2182IVLTRA

### Hubbell-PRO Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles

### Specifications

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification - Catalog No. 8200 | Receptacle | 15A |
| Manufacturer's Identification - Hubbell-PRO 8200 | Top | Nylon |
| Description - Straight Blade Hospital Grade Duplex Receptacle | Base | Nylon |
| Type - 2 Pole, 3 Wire, Grounding | Triple Wipe Power Contacts | .0295 in. Brass |
| Rating - 15A, 125V | Clamping Plate | Plated Steel |
| Certification - UL Listed to UL 498, Fed. Spec. WC596 | Mounting Strap | .040 in. Galvanized Steel |
| Hospital Grade, NEMA® WD-6 Compliant | Terminal Screws | Plated Steel |
| Certified to CSA | Hex Head Grounding Screw | Plated Steel |
| | Automatic Self-Grounding Staple | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green) |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

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## Technical Information



USB8300CPDW



USB15ACPDW

### USB-C Power Delivery Charger Tamper-Resistant, Straight Blade Hospital Grade and Specification Grade Duplex Receptacles

## Specifications

| USB-C Power Delivery Charger Receptacle | Part | Description |
|---|---|---|
| Typical Specification - Catalog No. USB8300ACPD<br>Manufacturer's Identification - Hubbell USB8300ACPD | Charger Receptacle | Electrical 20 Amp 125V AC<br>USB 5.0 Amp 5V DC |
| Available Type USB-C Power Delivery Charger | Ports | Type A&C or C |
| | LED | Power Indication (White)/USB Charging (Blue) |
| Receptacle | Top | Nylon |
| Description - Hospital Grade, Straight Blade Duplex Receptacle | Base | Nylon |
| Type - 2 Pole, 3 Wire, Grounding | Triple Wipe Power Contacts | .030 in. Cooper Alloy |
| Rating - 15 or 20 Amp, 125V AC, USB 5 Amp, 5V DC | Clamping Plate | Plated Steel |
| | Mounting Strap | .040 in. Galvanized Steel |
| Certification – cULus Listed to UL498 and UL1310 | Terminal Screws | Plated Steel |
| Hospital Grade, NEMA® WD-6 Compliant (USB8200 and | Hex Head Grounding Screw | Plated Steel |
| 8300 series only) | Automatic Self-Grounding Staple | Stainless Steel |
| Complies with battery charging specification USB BC1.2 | Mounting Screws | Zinc Plated Steel |
| and 3.0 Power | Auto-Ground Staple | Stainless Steel |
| Complies with Part 15 of the FCC rules | | |
| Compatible with USB 1.1/2.0/3.0 devices, including Apple products | | |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| USB Port | Stainless Steel Rated for 10,000 plug insertions and removal |
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green) |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |
| Circuit Feed-Through | 20 Amp 125 Volt |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

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## Technical Information



5252AB



5262B

### Hubbell-PRO Extra Heavy Duty, Straight Blade Specification Grade Duplex Receptacles

## Specifications

| Receptacle, Smooth Nylon Face | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. 5252AB | Receptacle | 15A |
| Manufacturer's Identification – Hubbell 5252AB Receptacle | Top | Polycarbonate |
| Description – Straight Blade Duplex Receptacle | Base | RTP* |
| Type – 2 Pole, 3 Wire, Grounding | Triple Wipe Power Contacts | .031 in. (.8) Brass |
| Rating – 15A, 125V | Wire Clamp | .062 in. (1.8) Steel-Nickel Finish |
| Certification – UL Listed to UL498 File E2186 | Mounting Strap | .040 in. (1) Galvanized Steel |
| Fed. Spec. WC596, Certified to CSA 22.2, No. 42 | Ground Contact | .031 in. (.8) Brass |
| NEMA® WD-6 Compliant | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| | Ground Screw | #8-32 Brass, Multiple Drive |
| | Center Assembly Staple | .040 in. (1) Galvanized Steel |
| | Automatic Self-Grounding Staple | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

| Receptacle, Finder Groove Face | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. 5262B | Receptacle | 15A |
| Manufacturer's Identification – Hubbell 5262B Receptacle | Top | Polycarbonate |
| Description – Straight Blade Duplex Receptacle | Base | RTP* |
| Type – 2 Pole, 3 Wire, Grounding | Triple Wipe Power Contacts | .031 in. (.8) Brass |
| Rating – 15A, 125V | Wire Clamp | .062 in. (1.8) Steel-Nickel Finish |
| Certification – UL Listed to UL498 File E2186 | Mounting Strap | .040 in. (1) Galvanized Steel |
| Fed. Spec. WC596, Certified to CSA C22.2, No. 42 | Ground Contact | .031 in. (.8) Brass |
| NEMA® WD-6 Compliant | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| | Ground Screw | #8-32 Brass, Multiple Drive |
| | Center Assembly Staple | .040 in. (1) Galvanized Steel |
| | Automatic Self-Grounding Clip | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green) |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

*Note: *Reinforced Thermoplastic Polyester.*
*Please consult the factory for product dimensions and specifications of other products listed in this catalog.*

*NEMA® is a registered trademark of the National Electrical Manufacturers Association.*

## Technical Information


CRF15I


BR15LA


DR20I


CR20TR


DR20GRYWR

## Commercial Specification Grade Receptacles

## Specifications

| Part | Standard | Weather Resistant |
|---|---|---|
| Top | Polycarbonate | Polycarbonate (UV Rated) |
| Base | Nylon | Nylon |
| Double Wipe Power Contacts | .030 in. (.8) Brass | .030 in. (.8) Brass |
| Wire Clamp | .062 in. (1.6) Steel-Nickel Plated | .062 in. (1.6) Steel-Nickel Plated |
| **Finish** | | |
| Mounting Strap | .040 in. (1) Galvanized Steel | .040 in. (1) Galvanized Steel |
| Ground Contact | .031 in. (.8) Brass | .031 in. (.8) Brass |
| Line Terminal Screws | #8-32 Plated Steel, Multiple Drive | #8-32 Stainless Steel, Multiple Drive |
| Ground Screw | #8-32 Plated Steel, Multiple Drive | #8-32 Stainless Steel, Multiple Drive |
| Automatic Self-Grounding Staple | Stainless Steel | Stainless Steel |
| Mounting Screws | Zinc Plated Steel | Stainless Steel |
| **Certification** | | |
| UL Listed | UL498 | UL498 |
| Fed. Spec | WC596 | WC596* |
| Certified to CSA | C22.2, No. 42 | C22.2, No. 42 |

## Performance

| Electrical | | |
|---|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V. | 125V. |
| Current Interrupting | Certified for current interrupting at full rated current. | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current. | Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current. |
| **Mechanical** | | |
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green). | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green). |
| Terminal Accommodation | #14-10 AWG stranded or solid copper conductor only. | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. | Ratings are a permanent part of the device. |
| **Environmental – Material** | | |
| Flammability | UL 94V-2. | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). | Maximum continuous 75°C; minimum -40°C (w/o impact). |

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

## Technical Information




HBL415I

### 4-PLEX® Receptacles

### Specifications

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL415 | Receptacle | 15 or 20A |
| Manufacturer's Identification – Hubbell 4-PLEX HBL415 | Top | Polycarbonate |
| Description – Straight Blade, Multiple Outlet Receptacle | Base | Polycarbonate |
| Type – 2 Pole, 3 Wire, Grounding | Power Contacts | .032 in. (.8) Brass |
| Rating 15A, 125V | Ground Contacts | .031 in. (.8) Brass |
| Certification – Listed to UL Standard 498 File E2186 | Ground Plate | .032 in. (.8) Plated Steel |
| Certified to CSA 22.2, No. 42 File 285 | (Hospital Grade) | .050 in. (1.3) Plated Steel |
| | Line and Neutral Terminal Plate | .031 in. (.8) Brass |
| | Line Terminal Screw | #8-32 Brass |
| | Ground Screw | #8-32 Brass (Green) |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V. |
| Current Interrupting | Capable of withstanding a fault level of 1000A, per UL498. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload current at 150% of rated current at a power factor of 75%. |
| **Mechanical** | |
| Terminal Identification | Terminals identified in accordance with UL498 and CSA (Brass, White, Green). |
| Terminal Accommodation | #14-12 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |
| **Environmental** | |
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

## Technical Information

### Insulgrip® Plugs and Connector Bodies



HBL5266C



HBL5269C

### Specifications

| Plugs | Part | Description | |
|---|---|---|---|
| Typical Specification – Catalog No. HBL5266C | | Plug | 15A |
| Manufacturer's Identification – Hubbell HBL5266C | | Housing | Nylon – Black |
| Description – Straight Body Plug | | Blade Holder | Nylon – Natural |
| Type – 2 Pole, 3 Wire, Grounding | | Retainer | Polycarbonate – Clear |
| Rating – 15A, 125V | | Cord Clamp | Nylon – Natural |
| Verified to Fed. Spec. WC596 | | Contact Blades | .060 in. (1.5) Brass |
| Certification – UL Listed to UL498 File E1706, | | Ground Contact Blade | .040 in. (1.0) Copper Alloy |
| | CSA Certified to C22.2 No. 42 File 280 | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| IP Suitability – IP20 | | Ground Screw | #8-32 Brass, Multiple Drive (Green) |
| | | Wire Clamps | .062 in. (1.6) Steel – Nickel Finish |

| Connector Bodies | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL5269C | Connector Body | 15A |
| Manufacturer's Identification – Hubbell HBL5269C | Housing | Nylon – Black |
| Description – Straight Body Connector | Contact Holder | Nylon – Natural |
| Type – 2 Pole, 3 Wire, Grounding | Retainer | Polycarbonate – Clear |
| Rating – 15A, 125V | Cord Clamp | Nylon – Natural |
| Verified to Fed. Spec. WC596 | Power Contacts | .040 in. (1.0) Copper Alloy |
| Certification – UL Listed to UL498 File E1706, | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| CSA Certified to C22.2 No. 42 File 280 | Ground Screw | #8-32 Brass, Multiple Drive (Green) |
| IP Suitability – IP20 | Wire Clamps | .062 in. (1.6) Steel – Nickel Finish |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V or 250V as rated. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL498 and CSA (Brass, White, Green). |
| Terminal Accommodation | #18-10 AWG copper conductors only. |
| Product Identification | Ratings are a permanent part of the device. |
| Torque Range | 12 in./lb. terminal screws, 7 in./lb. assembly screws. |
| Cord Diameter Range | .230–.720 in. (5.8–18.3) integral cord grip. |

| Environmental – Material | |
|---|---|
| Flammability | UL 94HB or better. |
| Operating Temperature | Maximum continuous 75°C; minimum – 40°C (w/o impact). |

## Technical Information

### Valise® Plugs and Connectors



HBL5965VY



HBL5969VY

## Specifications

| Plugs | Part | Description |
|---|---|---|
| Typical Specification – Catalog No. HBL5965VY | Plug | 15A |
| Manufacturer's Identification – Hubbell HBL5965VY | Housing | Nylon |
| Description – Straight Body Plug | Contact Blades | Brass |
| Type – 2 Pole, 3 Wire, Grounding | Ground Blade | Brass |
| Rating – 15A, 125V | Line Terminal Screws | Steel-Copper, Multiple Drive |
| Verified to Fed. Spec. WC596 | Ground Screw | Steel (Green), Multiple Drive |
| Certification – UL Listed to UL 498 File E1706, | Cable Inserts | Poly Phenylene Oxide |
| CSA Certified to C22.2 No. 42 File 280C | Wire Clamps | Steel |
| IP Suitability – IP20 | Body Holding Screws | Steel, Multiple Drive |

| Connector Bodies | Part | Connector |
|---|---|---|
| Typical Specification – Catalog No. HBL5969VY | Connector Body | 15A |
| Manufacturer's Identification – Hubbell HBL5969VY | Housing | Nylon |
| Description – Straight Body Connector | Contact and Ground Springs | Brass |
| Type – 2 Pole, 3 Wire, Grounding | Line Terminal Screws | Steel-Copper, Multiple Drive |
| Rating – 15A, 125V | Ground Screw | Steel (Green), Multiple Drive |
| Verified to Fed. Spec. WC596 | Cable Inserts | Poly Phenylene Oxide |
| Certification – UL Listed to UL 498 File E1706, | Wire Clamps | Steel |
| CSA Certified to C22.2 No. 42 File 280C | Body Holding Screws | Steel, Multiple Drive |
| IP Suitability – IP20 | | |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V or 250V as rated. |
| Current interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 and CSA (Brass, White, Green). |
| Terminal Accommodation | Copper conductors only.<br>2 Wire 15A Only #18-14 AWG,<br>2 Wire 20A & 3 Wire #18-12 AWG,<br>Hospital Grade #16-12 AWG,<br>I.D. Valise #18-16 AWG. |
| Product Identification | Molded Rating on Device Face. |
| Torque | 12 in./lb. terminal screws, 7 in./lb. assembly screws. |
| Cord Diameter Range | 2-Wire 15A Only .218–.385 in. (5.5–9.8),<br>2-Wire 20A & 3 Wire .220–.660 in. (5.6–16.8),<br>Hospital Grade .300–.660 in. (7.6–16.8),<br>I.D. Valise .230–.360 in. (5.8–9.1). |

| Environmental – Material | |
|---|---|
| Flammability | UL 94V-2. |
| Operating Temperature | Maximum continuous 75°C; minimum -40°C (w/o impact). |

| Standards |
|---|
| NEMA® WD1 |
| NEMA® Configurations |
| Listed to UL Standard UL498 |
| Certified to CSA Standard C22.2 No. 42 |
| Verified to Federal Spec WC596 |

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## Technical Information

### IEC 320 Devices


H320R


H320C


H320P


H320B

### Specifications

| | |
|---|---|
| **Receptacle** | |
| Catalog Number | H320R |
| Description | IEC Configuration compatible straight blade panel mount receptacle. |
| Type | 2 Pole + earth. |
| Rating | 16A 250V AC for European service;<br>20A 250V AC for North American service. |
| Certification | UL Listed 20A 250V AC – File No. E2186;<br>CSA Certified 20A 250V AC – File No 17337. |
| Terminal Accommodation | North American – #16-12 AWG stranded or solid copper conductor only.<br>International – 1.55mm2–2.5mm2. |
| **Connector** | |
| Catalog Number | H320C |
| Description | IEC Detachable straight blade connector. |
| Type | 2 Pole + earth. |
| Rating | 16A 250V AC for European service;<br>20A 250V AC for North American service. |
| Configuration | IEC 60320-1 Style appliance coupler, C19. |
| Certification | UL Listed 20A 250V AC – File No. E1706;<br>CSA Certified 20A 250V AC – File No. 17337;<br>UL Classified to IEC 320, 16A 250V AC – File No. E111246; |
| Cord Accommodation | North American – 16/3SJ-12/3SJ (.325–.475 in. dia.);<br>International – (HAR cord) 3x1.5mm2–3x2.5mm2 (8mm–12mm dia.). |
| IP Suitability | IP20. |
| **Plug** | |
| Catalog Number | H320P |
| Description | IEC Configuration compatible straight blade Valise® plug. |
| Type | 2 Pole + earth. |
| Rating | 16A 250V AC for European service;<br>20A 250V AC for North American service. |
| Certification | UL Listed 20A 250V AC – File No. E1706;<br>CSA Certified 20A 250V AC – File No. 17337. |
| Cord Accommodation | North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.);<br>International – (HAR cord) 3x1.5mm2 3x2.5mm2 (8–12mm dia.). |
| IP Suitability | IP20. |
| **Inlet** | |
| Catalog Number | H320B and H320BL |
| Description | IEC Straight blade panel mount power inlet. |
| Type | 2 Pole + earth. |
| Rating | 16A 250V AC for European service;<br>20A 250V AC for North American service. |
| Configuration | IEC 60320-1 Style appliance coupler, C20. |
| Certification | UL Listed 20A 250V AC – File No. E1706;<br>CSA Certified 20A 250V AC – File No. 17337;<br>UL Classified to IEC 320, 16A 250V AC – File No. E111246;<br>VDE Certified at 16A 250V AC – File No. 12469 1550 1002. |
| Terminal Accommodation | North American – #16-12 AWG stranded or solid copper conductor only.<br>International – 1.5mm2–2.5mm2. |

## Technical Information



HBL9431C



HBL9430A

### Heavy Duty Insulgrip® Plugs and Receptacles

### Specifications

| Plug | Part | Description |
|---|---|---|
| Typical Specification - Catalog No. HBL9431C | Plug | 30A |
| Manufacturer's identification - Hubbell HBL9431C | Housing | Supertough Nylon |
| Description - Straight Body Plug | Blade Holder & Retainer | Reinforced Thermoplastic Polyester |
| Type - 3 Pole, 4 Wire, Grounding | Blades | Brass |
| Rating - 30A, 125/250V | Terminal Screws | ⅜ in. Allen Head, Plated Steel |
| Certification - UL Listed File E1706, CSA Certified* | Box Terminals | Copper Alloy |
| IP Suitability - IP20 | Cord Clamps | Reinforced Thermoplastic Polyester |
| | Mounting and Clamp Screws | Stainless Steel |
| | Cord Grip Range | .625–1.310 in. (15.9–33.3) |

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification - Catalog No. HBL9430A | Receptacle | 30A |
| Manufacturer's Identification - Hubbell HBL9430A | Housing Construction | Reinforced Thermoplastic Polyester |
| Description - Single Receptacle | Mounting Plate | .062 in. (1.5) Pre-Plated Steel |
| Type - 3 Pole, 4 Wire, Grounding | Contacts | Brass |
| Rating - 30A, 125/250V | Ground Shunt | Brass |
| Certification - UL Listed File E2186, CSA Certified | Terminal Screws | ⅜ in. Allen Head, Plated Steel |
| | Box Terminals | Copper |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V or 250V as rated. |
| Current Interruption | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |

| Mechanical | |
|---|---|
| Terminal Identification | Terminals identified in accordance with UL 498 (Brass, White, Green). |
| Terminal Accommodation | #12 AWG through #4 AWG copper wire only. |
| Production Identification | Ratings are a permanent part of the device. |

| Environmental | |
|---|---|
| Flammability | Receptacle: UL 94 VO.<br>Plug: UL 94 HB (Housing), UL 94 VO (Blade Holder and Retainer). |
| Operating Temperature | Maximum continuous 60°C, minimum -40°C (w/o impact). |

*Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.*

# SECTION B

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Twist-Lock® Devices



50A Twist-Lock® Devices



Hubbellock® Devices




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## Products at a Glance



### Insul-Lock™ Plus Connectors
- 20A 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Interchangeable with other similar brands

### Insul-Lock™ Connectors
- 25A 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in & gray for power out



### Midget Twist-Lock® Devices
- Smaller body size for use in tighter fit applications where larger products can't
- Abuse resistant nylon housing

### Midget Valise® Devices
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- Patented locking lugs interlock the two sections together providing a secure assembly



### Insulgrip® Twist-Lock® Devices
- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized
- Integral dust shield protects wiring chamber from dust and contaminants
- Voltage color coding on receptacle face facilitates proper mating of devices



### Safety-Shroud® Twist-Lock® Devices
- Tough nylon shroud protect blades from damage and abuse
- Prevents exposure to potential arc
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147
- Accepts conventional NEMA locking plugs



### Watertight Safety-Shroud® Devices
- Gland seal prevents water ingress at cord entrance
- Strong PBT body for heavy duty applications
- Closure cap creates environmental seal when device is not in use
- Vsible color coded rating label on devices ensure proper mating



### 50 Amp Insulgrip® Devices
- Heavy duty design built for heavy duty applications
- Thermoplastic cord grips are designed with offset gripping jaws to hold connectors as well as the jacket
- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout/tagout regulation 29 CFR 1910.147



### Hubbellock® Devices
- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter
- No “lazy” connections because a spring-loaded safety shutter automatically ejects the plug if it hasn’t been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up

## Features and Benefits

### Miniature 20 & 25 Amp Power Connections for Entertainment Applications

Ideal for use with LED lighting and other applications including multiple screen video walls. The rear of the connector is black to blend in when used in visible areas.

Available in both inline and panel mount styles, Hubbell's Insul-Lock™ Connectors have a quick release, vibration resistant latch. Hubbell's connections intermate with other similar brands.



### Insul-Lock™ Plus Connectors

- 20A 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Panel mount devices accept commonly available .25" spade style connectors
- Industry standard mating, interchangeable with installed base



### Insul-Lock™ Connectors

- 25A 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in and gray for power out
- Industry standard mating Interchangeable with installed base
- Impact-resistant thermoplastic construction; suitable for use in UL1640 applications



### Housing Design

- 20A 250V AC rated
- Impact-resistant thermoplastic construction
- Industry standard mating, interchangeable with installed base
- UL 50E enclosure Type 4 rated when used with mating connector or with panel mount and watertight cover



### Connector Housing

- 25A 250V AC and DC rated
- Insulgrip style body design for a secure grip
- Color coded blue for power in and gray for power out
- Do not connect or disconnect under load



### Connector Body

- Connectors accept up to 12/3 AWG SO cable which meets NEC 520.68 requirements for extra-hard usage cords or cables
- Multiple strain relief collets to accommodate cable range



### Locking Latch

- Turn and latch feature prevents nuisance disconnects
- Quick release locking latch to ensure positive connection
- Connectors accept up to 12/3 AWG SO cable meets NEC 520.68 requirements for extra-hard usage cords or cables



### Contacts

- Panel mount devices accept commonly available .25" spade style connectors




### Panel Mount

- Divided panel mounts available for use with non-insulated terminations
- Panel mount devices accept commonly available .25" spade style connectors; simplifies installation for domestic OEM's

## Miniature 20 & 25 Amp Power Connections for Entertainment Applications









### Insul-Lock™ Plus Inline Connectors

| Description | Male Connector Power In | Female Connector Power Out |
|---|---|---|
| 20 Amp locking cable connector, screw terminals | **HBLMC** | **HBLFC** |

### Insul-Lock™ Plus Panel Mounts

| Description | Inlet | Outlet |
|---|---|---|
| 20 Amp ¼" tab terminations without divider | **HBLMP** | **HBLFP** |
| 20 Amp ¼" tab terminations, with divider | **HBLMPD** | **HBLFPD** |

### Insul-Lock™ Plus Accessories

| Description | Inlet | Outlet |
|---|---|---|
| Spring loaded watertight cover | **HBLMPC** | **HBLFPC** |
| Watertight dust protection cap with chain | **HBLMPDC** | **HBLFPDC** |

### Insul-Lock™ Plus Certifications

UL Recognized component for USA and Canada
Connectors are rated UL50E Enclosure type 4X when used with mating connector or with panel mount and watertight cover.
Panel Mounts are rated UL50E Enclosure type 4X with the cover closed or with the mating connectors.
IP65 Rated

Rated for connection and disconnection under load.







### Insul-Lock™ Inline Connectors

| Description | Male Connector Power In (Blue) | Female Connector Power Out (Gray) |
|---|---|---|
| 25 Amp locking cable connector, screw terminals | **HBLCPIBL** | **HBLCPOGY** |

### Insul-Lock™ Panel Mounts

| Style | Power In (Blue) | Power Out (Gray) |
|---|---|---|
| 25 Amp ¼" tab terminations without divider | **HBLPMIBL** | **HBLPMOGY** |
| 25 Amp ¼" tab terminations with divider | **HBLPMIDBL** | **HBLPMODGY** |

### Insul-Lock™ Accessories

| Description | Catalog Number |
|---|---|
| Panel mount retainer plate (also compatible with HBLMP & HBLMPD) | **HBLPMRP** |
| Panel mount M3x.5 screw, 8mm long | **HBLPMSC** |

### Insul-Lock™ Certifications

UL Recognized component for USA and Canada
VDE Certified

Do not connect or disconnect under load.

*Dimensions in Inches (mm)*

## Features and Benefits

### Midget 15 Amp Plugs and Connector Bodies

Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock® Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.

- Nylon webs join two sections together which makes assembly of the Valise® style device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking



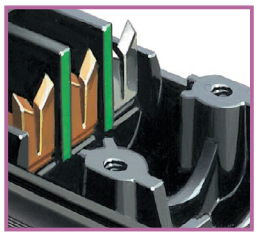


*Note: The cut-away views below are construction elements pertaining specifically to the Valise® style series.*



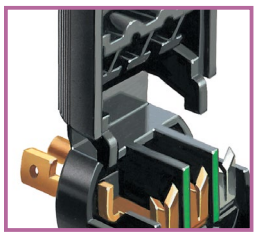
**Housing Design**

- Totally insulated body adds extra measure of safety
- Abuse resistant nylon housing



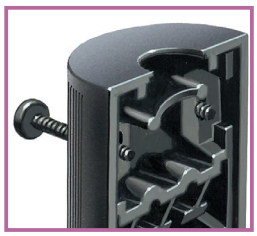
**Contacts**

- The insulation displacement terminal reduces the time required for wire preparation and provides uniformity in the quality of termination
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals



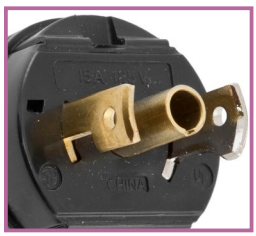
**One-Piece Design**

- Nylon webs join two sections together which makes assembly of the device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly, even in the most abusive environments



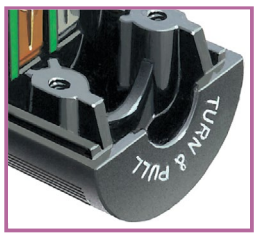
**Assembly**

- Assembly screws have multiple drive heads for screwdriver versatility. Only two assembly screws are needed to close this device, make the wire terminations and retain the cord



**Identification**

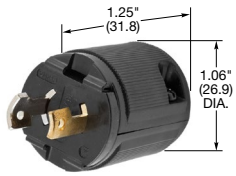
- Rating marked on surface provides quick, sure circuit identification



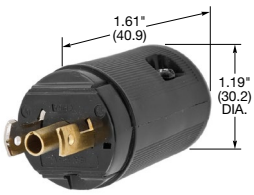

**Markings**

- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking

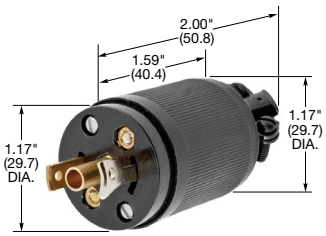
## Midget Plugs and Flanged Inlets



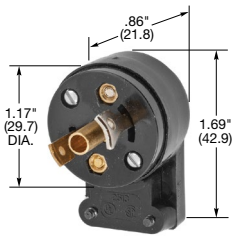

HBL7465V



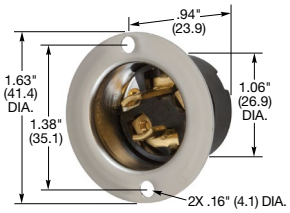

HBL7594V



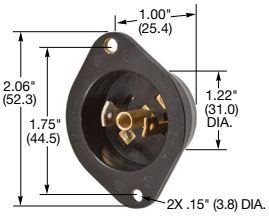

HBL7594



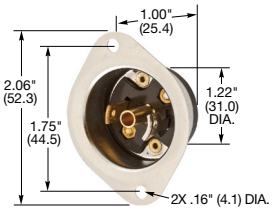

HBL7570



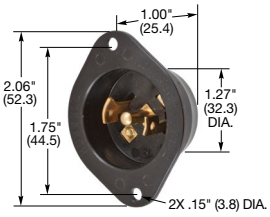

HBL7466, HBL7467



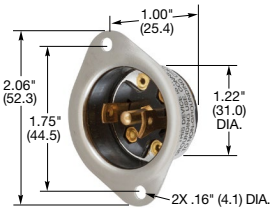

HBL7595N




HBL7595




HBL7486N




HBL7486

*Dimensions in Inches (mm)*

**IP20** SUITABILITY

## Plugs

| Description | Cord Dia. | Catalog Number<br>15A 125V NEMA ML-1P | 15A 125V NEMA ML-2P | 15A 125/250V AC NEMA ML-3P |
|---|---|---|---|---|
| Valise® plug, black nylon, multiple drive screw terminals. | .220"-.385" (5.6-9.8) | **HBL7465V*** | – | – |
| Valise® plug, black nylon, insulation displacement terminals. | .300"-.430" (7.6-10.9) | – | **HBL7594V** | – |
| Black nylon cover, phenolic body, multiple drive screw terminals. | .281"-.421" (7.1-10.7) | – | **HBL7594** | – |
| Angle plug, black nylon cover, phenolic body, multiple drive screw terminals. | .335"-.421" (8.5-10.7) | – | **HBL7570** | – |
| Valise® plug, black nylon, with insulation displacement terminals. | .300"-.430" (7.6-10.9) | – | – | **HBL7485V*** |
| Black nylon body, phenolic base, multiple drive screw terminals, cord grip. | .281"-.421" (7.1-10.7) | – | – | **HBL7485*** |
| Same as above, except angle cord grip. | .335"-.421" (8.5-10.7) | – | – | **HBL7432*** |

## Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Stainless steel flange, polarized, exposed terminals. | **HBL7467*** | – | – |
| Stainless steel flange, not polarized, exposed terminals. | **HBL7466*** | – | – |
| Exposed terminals, black nylon flange. | – | **HBL7595N** | – |
| Exposed terminals, stainless steel flange. | – | **HBL7595** | – |
| Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia. | – | **HBL7551** | – |
| Exposed terminals, black nylon flange. | – | – | **HBL7486N*** |
| Exposed terminals, stainless steel flange. | – | – | **HBL7486*** |

*Note: See page B-8 for accessories.*
**UL Listed only.*
*Male ML-2P devices have hollow center ground sleeves.*
*Male ML-3P devices have solid center neutral pins.*

## Midget Connector Bodies and Flanged Receptacles

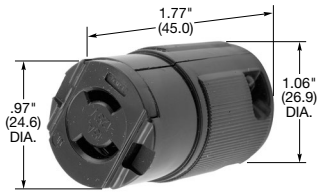
## Connector Bodies

| Description | Cord Dia. | IP20 SUITABILITY 15A 125V NEMA ML-1R | 15A 125V NEMA ML-2R | 15A 125/250V AC NEMA ML-3R |
|---|---|---|---|---|
| Valise® connector body, black nylon, polarized, multiple drive screws. | .220"-.385" (5.6-9.8) | **HBL7464V*** | – | – |
| Valise® connector body, black nylon, insulation displacement terminals. | .300"-.430" (7.6-10.9) | – | **HBL7593V** | – |
| Black nylon cover, phenolic body, screw terminals. | .281"-.421" (7.1-10.7) | – | **HBL7593** | – |
| Angle connector body, black nylon cover, phenolic body, screw terminals. | .335"-.421" (8.5-10.7) | – | **HBL7571** | – |
| Valise® type, black nylon, with insulation displacement terminals. | .300"-.430" (7.6-10.9) | – | – | **HBL7484V*** |
| Black nylon body, phenolic base, cord grip. | .281"-.421" (7.1-10.7) | – | – | **HBL7484*** |
| Same as above, except for angle cord grip. | .335"-.421" (8.5-10.7) | – | – | **HBL7433*** |

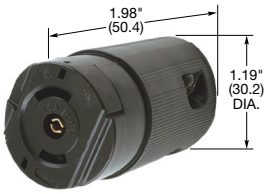
## Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Stainless steel flange, exposed terminals. | **HBL7468*** | – | – |
| Exposed terminals, black nylon flange. | – | **HBL7596N** | – |
| Exposed terminals, stainless steel flange. | – | **HBL7596** | – |
| Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia. | – | **HBL7598** | – |
| Exposed terminals, black nylon flange. | – | – | **HBL7487N*** |
| Exposed terminals, stainless steel flange. | – | – | **HBL7487*** |
| Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter. | – | – | **HBL7489*** |

*Note: See page B-8 for accessories.*
**UL Listed only.*
*Female ML-2R devices have solid center ground pins.*
*Female ML-3R devices have hollow center neutral sleeves.*



**HBL7464V**



**HBL7593V**



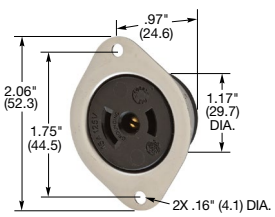
**HBL7593**



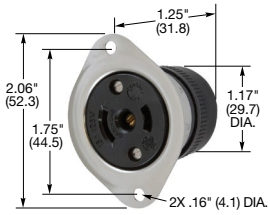
**HBL7571**



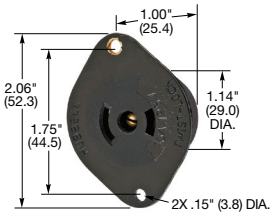
**HBL7484V**



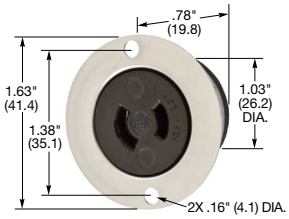
**HBL7596**



**HBL7598**



**HBL7596N**



**HBL7468**

*Dimensions in Inches (mm)*

## Midget Accessories



**HBL7490V**



**HBL7459V**



**HBL4890**



**HBL7495V**



**HBL7440V**



**HBL4889**

### Weatherproof Accessories for ML-1

| Description | Catalog Number |
|---|---|
| Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet. | **HBL7490V*** |
| Seal-tite® cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover. | **HBL7459V*** |
| Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated. | **HBL4890** |

### Weatherproof Accessories for ML-2

| Description | Catalog Number |
|---|---|
| Seal-Tite® cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet. | **HBL7495V*** |
| Seal-Tite® cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover. | **HBL7440V*** |
| Closure cover for use with HBL7595 or HBL7595N. | **HBL4889** |

### Weatherproof Accessories for ML-3

| Description | Catalog Number |
|---|---|
| Seal-Tite® cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet. | **HBL7495V*** |
| Seal-Tite® cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover. | **HBL7440V*** |
| Closure cover for use with HBL7486 or HBL7486N. | **HBL4889** |

*Note: *IP55 suitability when installed and used properly with plug and connector body combinations.*

*Dimensions in Inches (mm)*

## Features and Benefits

### Insulgrip® 15 Amp Plugs and Connector Bodies

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time

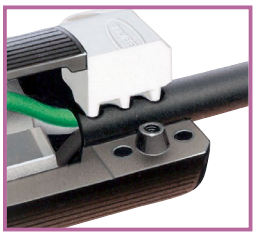






**Housing Design**

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



**Internal Design**

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers




**Cord Range**

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230-.720 inch (5.8-18.3)
- VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230-.360 inch (5.8-9.0). Accepts slotted and Phillips head drivers



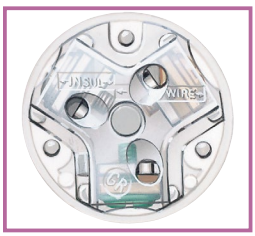
**Assembly**

- "Multiple drive" screw heads provide screwdriver versatility. Pocketed recess for cord grip screws deters slippage of the screwdriver




**Identification**

- Catalog number is visible on the device while in use for easy identification



**Visual Verification**

- Transparent angled wiring entrance holes guide conductor insertion and allow for quick visual verification of terminations

## Features and Benefits




### 15 Amp Duplex Twist-Lock® Receptacles

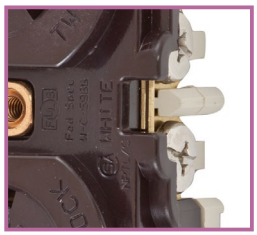
Hubbell Wiring Device-Kellems line of duplex Twist-Lock® receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermoplastic top and base encapsulates the brass alloy contacts that are locked together for unequaled assembly strength. Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 pole, 3 wire configurations including isolated ground and corrosion resistant versions.

- Superior spring characteristics for increased contact force, secure connections and longer life
- High-conductivity, corrosion resistant material for reliable, low resistance to fault currents
- Easy and reliable installation for stranded and solid wire
- Features split circuit capability in the field
- The assembly locks together to make the most abuse resistant receptacle ever



**Housing Design**

- Reinforced thermoplastic construction
- High impact and heat resistance provides maximum safety and longer life



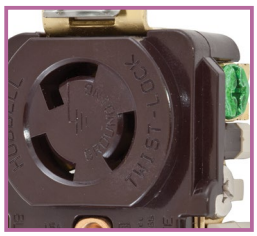
**Terminals**

- Single point break-off tabs
- High performance internal wiring clamps and open terminal design provide for the use of forked terminals



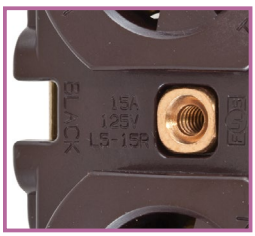
**One-Piece Design**

- Mounting strap tabs lock the body and base together
- Brass mounting strap with stainless steel grounding clip



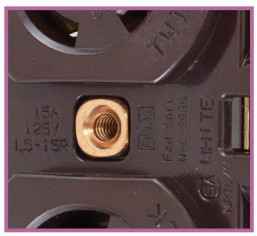
**Contacts**

- Single piece, all brass contacts
- All terminals are back and side wired including the ground




**Identification**

- Rating marked on surface provides quick, sure circuit identification




**Center Rivet**

- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

**15 Amp, 125 Volts**
**2 Pole, 2 Wire, Non-Grounding**

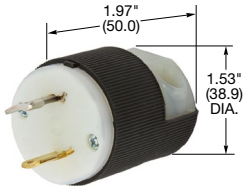
IP20
SUITABILITY




## Plugs

| Description | Cord Dia. | 15A 125V NEMA L1-15P 0.5 HP Catalog Number |
|---|---|---|
| Black and white nylon, polarized. Multiple drive screws. | .230"-.720" (5.8-18.3) | **HBL7545C** |

*Note: See page B-51 for accessories.*

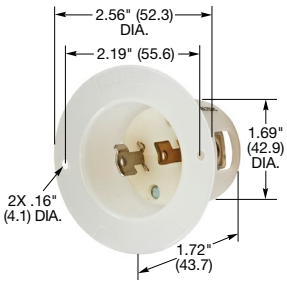



**HBL7545C**

## Flanged Inlets

| Description | Catalog Number |
|---|---|
| Nylon casing, polarized, backwired, Multiple drive screws. | **HBL7524C** |

*Note: See page B-50 for accessories.*




**HBL7524C**




## Connector Bodies

| Description | Cord Dia. | 15A 125V NEMA L1-15R 0.5 HP Catalog Number |
|---|---|---|
| Black and white nylon. Multiple drive screws. | .230"-.720" (5.8-18.3) | **HBL7506C** |

*Note: See page B-51 for accessories.*




**HBL7506C**

## Receptacles

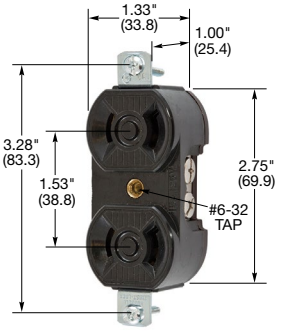
| Description | Catalog Number |
|---|---|
| Duplex, flush, black phenolic. | **HBL7540** |
| Single, flush, black phenolic. | **HBL7535** |
| Single, panel mount, $1^{15}/_{16}$" (49.2) centers, black phenolic. | **HBL7498** |

*Note: See pages B-50 and B-51 for accessories.*

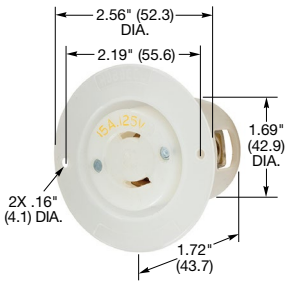
## Flanged Receptacles

| Description | Catalog Number |
|---|---|
| Insulgrip nylon casing, backwired. Multiple drive screws. | **HBL7526C** |
| Metal flange, stainless steel casing, black phenolic, exposed terminals. | **HBL7526** |

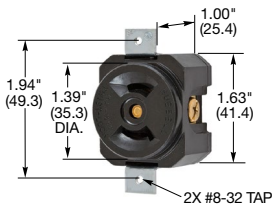
*Note: See pages B-50 and B-51 for accessories.*
*Only receptacles and plugs are HP rated.*
*HP ratings are AC only.*



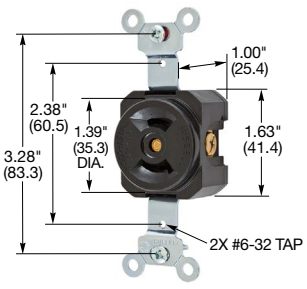

**HBL7540**




**HBL7526C**



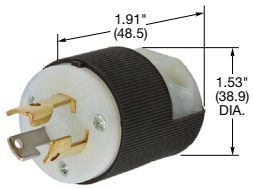

**HBL7498**



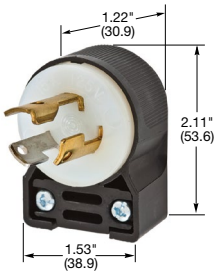

**HBL7535**

*Dimensions in Inches (mm)*

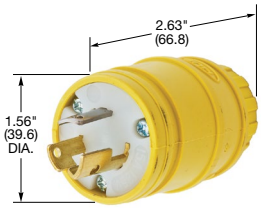
## 15 Amp, 125, 250 Volts and 277 Volts AC
## 2 Pole, 3 Wire, Grounding



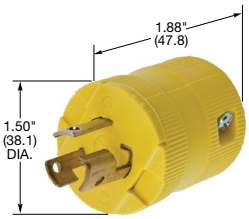

HBL4720C



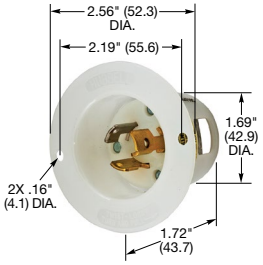

HBL4720CA



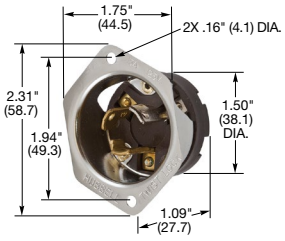

HBL24W47




HBL4723VY




HBL4716C




HBL4716

*Dimensions in Inches (mm)*

**IP20**
SUITABILITY










## Plugs

| Description | Cord Dia. | Catalog Number<br>15A 125V<br>NEMA L5-15P<br>0.5 HP | <br>15A 250V<br>NEMA L6-15P<br>1.5 HP | <br>15A 277V AC<br>NEMA L7-15P<br>2 HP |
|---|---|---|---|---|
| Insulgrip plug, black and white nylon. Multiple drive screws. Fed Spec WC596 | .230"-.720" (5.8-18.3) | **HBL4720C** | **HBL4570C** | **HBL4770C** |
| Insulgrip plug, black and white, spring termination Fed Spec WC596 | .230"-.720" (5.8-18.3) | **HBL4720CST** | **HBL4570CST** | **HBL4770CST** |
| All black nylon. | .230"-.720" (5.8-18.3) | **HBL4720CBK** | – | – |
| Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws. | .325"-.655" (8.3-16.6) | **HBL4720CA** | **HBL4570CA** | **HBL4770CA** |
| Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. Fed Spec WC596 | .230"-.720" (5.8-18.3) | **HBL47CM20C** | **HBL45CM70C** | **HBL47CM70C** |
| Elastogrip® plug, yellow elastomer, dust tight. | 300"-.655" (7.6-16.6) | **HBL2447** | – | – |
| Elastogrip plug, yellow elastomer, water/dust tight. | 300"-.655" (7.6-16.6) | **HBL24W47** | – | – |
| Valise® plug, yellow nylon. | .220"-.660" (5.6-16.8) | **HBL4723VY** | **HBL4573VY** | **HBL4773VY** |
| Valise® plug, black nylon. | .220"-.660" (5.6-16.8) | **HBL4723VBK** | **HBL4573VBK** | **HBL4773VBK** |

*Note: See page B-51 for accessories.*

## Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Insulgrip flanged inlet, nylon casing, back wired. | **HBL4716C** | **HBL4586C** | **HBL4786C** |
| Stainless steel casing, brown phenolic. | **HBL4716*** | **HBL4586*** | **HBL4786*** |
| Corrosion resistant, stainless steel casing, yellow melamine. | **HBL47CM16*** | – | – |

*Note: See page B-50 for accessories.*
*HP ratings are AC only.*
*Only plugs are HP rated.*
*See page B-69 for technical information on Insulgrip devices.*
**These flanged inlets will not accept Valise® connector bodies.*

## 15 Amp, 125, 250 Volts and 277 Volts AC
## 2 Pole, 3 Wire, Grounding

IP20
SUITABILITY

## Connector Bodies

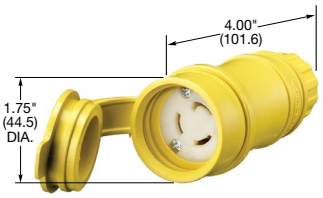
| Description | Cord Dia. | 15A 125V NEMA L5-15R 0.5 HP | 15A 250V NEMA L6-15R 1.5 HP | 15A 277V AC NEMA L7-15R 2 HP |
|---|---|---|---|---|
| Insulgrip connector body, black and white nylon. Multiple drive screws. | .230"-.720" (5.8-18.3) | **HBL4729C** | **HBL4579C** | **HBL4779C** |
| Insulgrip connector body, black and white body. Spring Termination | .230"-.720" (5.8-18.3) | **HBL4729CST** | **HBL4579CST** | **HBL4779CST** |
| All black nylon. | .230"-.720" (5.8-18.3) | **HBL4729CBK** | – | – |
| Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws. | .325"-.655" (8.3-16.6) | **HBL4729CA** | – | – |
| Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws. | .230"-.720" (5.8-18.3) | **HBL47CM29C** | **HBL45CM79C** | **HBL47CM79C** |
| Elastogrip connector body, yellow elastomer, dust tight. | .300"-.655" (7.6-16.6) | **HBL2547** | – | – |
| Elastogrip® connector body, yellow elastomer, water/dust tight. | .300"-.655" (7.6-16.6) | **HBL25W47**** | – | – |
| Valise® connector body, yellow nylon. | .220"-.660" (5.6-16.8) | **HBL4729VY** | **HBL4579VY** | **HBL4779VY** |
| Valise® connector body, black nylon. | .220"-.660" (5.6-16.8) | **HBL4729VBK** | **HBL4579VBK** | **HBL4779VBK** |

*Note: See page B-49 for accessories.*



**HBL4729C**


**HBL4729CBK**

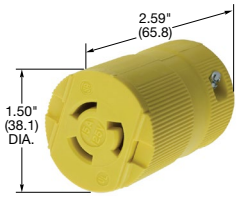


**HBL25W47**

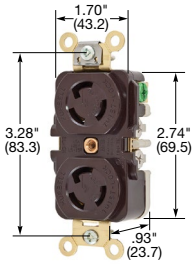
## Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Duplex, flush, brown RTP face, back and side wired. | **HBL4700*** | **HBL4550*** | **HBL4750*** |
| Duplex, flush, ivory RTP face, back and side wired. | **HBL4700I*** | – | – |
| Duplex, flush, brown, spring termination | **HBL4700ST** | **HBL4550ST** | **HBL4750ST** |
| Duplex, ring terminal connection. | **HBL4700RT*** | **HBL4550RT*** | – |
| Duplex, isolated ground, flush, orange RTP face, back and side wired. | **IG4700A*** | **IG4550A*** | – |
| Duplex, isolated ground, flush, orange face, spring termination | **IG4700AST** | – | – |
| Duplex, corrosion resistant, yellow RTP face, back and side wired. | **HBL47CM00*** | – | – |
| Single, flush, black nylon face, back and side wired. | **HBL4710** | **HBL4560** | **HBL4760** |
| Single flush, black face, spring termination | **HBL4710ST** | **HBL4560ST** | **HBL4760ST** |
| Same as HBL4760 without mounting screws, ears. Terminal screws backed out, back and side wired. This item is bulk packed 100 pcs case. | – | – | **HBL4760C** |
| Single, ring terminal connection. | **HBL4710RT** | **HBL4560RT** | – |
| Single, isolated ground, flush, orange nylon face, back and side wired. | **IG4710** | **IG4560** | – |
| Single, Isolated ground, flush, orange, spring termination | **IG4710ST** | – | – |
| Single, black nylon face mounted on a 4" (101.6) round box cover, back and side wired. | **HBL4711** | – | **HBL4761** |
| Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers. | **HBL4713** | **HBL4563** | **HBL4763** |
| Single, panel mount, black face, spring termination, 1.75" or 1.937" (44.5 or 49.2) mounting centers | **HBL4713ST** | **HBL4563ST** | – |

*Note: See pages B-50 and B-51 for accessories.*



**HBL4729VY**

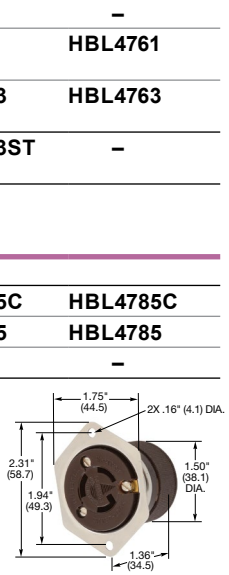


**HBL4700**

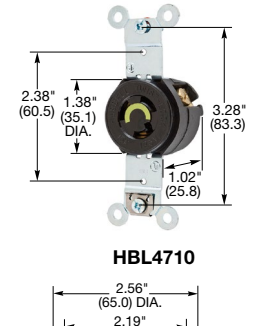
## Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Insulgrip flanged receptacle, nylon casing, back wired. | **HBL4715C** | **HBL4585C** | **HBL4785C** |
| Stainless steel casing, brown phenolic. | **HBL4715** | **HBL4585** | **HBL4785** |
| Corrosion resistant, stainless steel casing, yellow melamine. | **HBL47CM15** | – | – |

*Note: See pages B-50 and B-51 for accessories.*
*HP ratings are AC only.*
*RTP is an abbreviation for reinforced thermoplastic polyester.*
*See section N for additional information on isolated ground devices.*
**Supplied with break-off tabs for split circuit wiring.*
***Watertight connector body IP55 suitability when closure plug is inserted or when installed and used properly with watertight plug.*



**HBL4715**



**HBL4715C**



**HBL4710**

*Dimensions in Inches (mm)*

## Features and Benefits

### Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

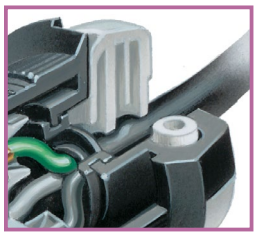
The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.





**Housing Design**

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized



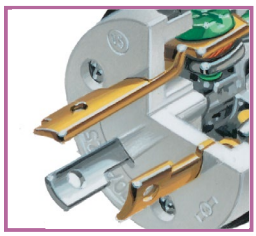
**Internal Design**

- Integral dust shield protects wiring chamber from dust or contaminants. Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection



**Cord Range**

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters



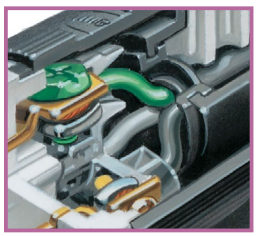
**Assembly**

- Self-threading screws specially designed for secure assembly



**Identification**

- Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device



**Contacts**

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention

## Features and Benefits




### Insulgrip® Standard Locking Receptacles

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

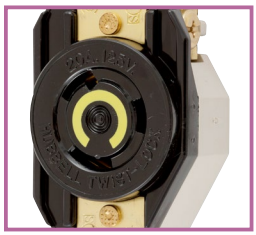
The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

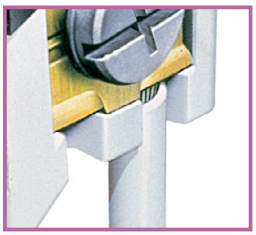
Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.

125V | 250V | 277V AC | 480V AC | 600V AC | 125/250V



**Housing Design**

- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resis-tance it provides, however, is much greater than that of a thermoset



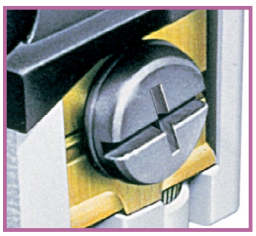
**Wiring Design**

- Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection



**Mounting Strap**

- All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems



**Terminals**

- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring



**Identification**

- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection



**Contacts**

- One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

## Features and Benefits

### Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



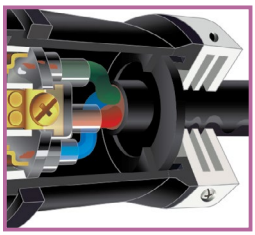


*Note: Works with Mechanical Interlocks, see page B-43 for additional information.*



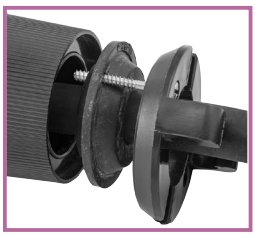
### Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



### Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



### Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard assure sealing when fully connected



### Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



### Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



### Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

  Result: environmental sealing is assured

## Features and Benefits

### Safety-Shroud® Twist-Lock® System

- Mates with most NEMA locking connector bodies
- Virtually eliminates bent and broken plug blades
- Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices
- Reduces exposure to arcing when connecting or disconnecting under load
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147
- Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load





*Note: All screws are #10 multiple drive head.*
*Works with Mechanical Interlocks, see page B-43 for additional information.*



### Housing Design

- Impact resistant shroud made of engineered thermoplastic protects blades against bending or breaking



### Housing Design

- Engineered thermoplastic housing is impact and corrosion resistant, making it suitable for heavy duty industrial environments
- Accepts conventional NEMA locking plugs



### Safety

- External keying on plug devices allows quick mating of devices
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



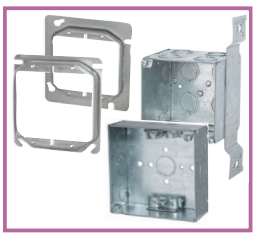
### Safety-Shroud® Twist-Lock® Receptacles

- The Safety-Shroud Twist-Lock single gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock receptacles



### Identification

- Catalog number and color-coded voltage rating are visible even when in use
- Alignment arrows with lock and unlock symbols provide a visual indication that devices are properly connected



### Boxes Available

- The semi-flush receptacles can be installed onto 4" or 4$^{11}$" square steel wall boxes, which are 2$^{1}$" deep with 1 or 2-gang ½" raised device mud rings. See catalog Section Y for more information.

# Twist-Lock® Devices

## Compatibility and Environmental Protection Chart

| | Twist-Lock® Receptacles | | | | | Twist-Lock® Connector Bodies | |
|---|---|---|---|---|---|---|---|
| |  |  |  |  | |  | |
| | Watertight Safety-Shroud | Watertight Safety-Shroud Mechanical Interlock Enclosure | Safety-Shroud | Switched Enclosure | NEMA | Watertight Safety-Shroud | Insulgrip |
| **Twist-Lock® Plugs** | | | | | | | |
| Watertight Safety-Shroud  | YES Type 4X, Type 12 | YES Type 4X, Type 12K | YES Type 1 | NO | NO | YES Type 4X, Type 12 | YES Type 1 |
| Safety-Shroud  | YES Type 1 | YES Type 1 | YES Type 1 | NO | NO | YES Type 1 | YES Type 1 |
| Insulgrip  | YES Type 1 | NO | YES Type 1 | YES Type 3R | YES Type 1 | YES Type 1 | YES Type 1 |
| **Twist-Lock® Inlets** | | | | | | | |
| NEMA  | NA | NA | NA | NA | NA | NO | YES Type 1 |
| Watertight Safety-Shroud  | NA | NA | NA | NA | NA | YES Type 4X, Type 12 | YES Type 1 |

| | |
|---|---|
| ***Type 1*** | *Indoor* |
| ***Type 3R*** | *Raintight* |
| ***Type 4X*** | *Hose-directed water and corrosion resistant* |
| ***Type 12*** | *Dust tight, drip-proof without knockouts* |
| ***Type 12K*** | *Dust tight, drip-proof with knockouts* |
| ***YES*** | *Interchangeable* |
| ***NO*** | *Does not interchange* |
| ***NA*** | *Not Applicable* |

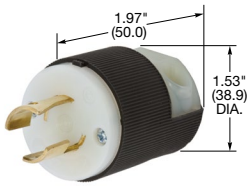
*Note: See Technical section for full description of enclosure types.*

## 20 Amp, 250 Volts
## 2 Pole, 2 Wire, Non-Grounding

### Plugs

| Description | Cord Dia. | 20A 250V NEMA L2-20P 2 HP Catalog Number |
|---|---|---|
| Black and white nylon, polarized, multiple drive screws. | .220"-.720" (5.6-18.3) | **HBL7102C** |

*Note: See page B-51 for accessories.*

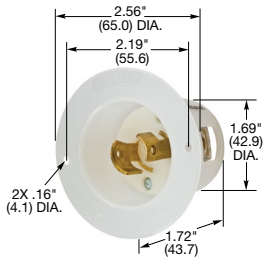


**HBL7102C**

### Flanged Inlets

| Description | Catalog Number |
|---|---|
| Nylon casing, back wired, polarized, multiple drive screws. | **HBL8815C** |

*Note: See page B-50 for accessories.*



**HBL8815C**

### Connector Bodies

| Description | Cord Dia. | 20A 250V NEMA L2-20R 2 HP Catalog Number |
|---|---|---|
| Black and white nylon, multiple drive screws. | .220"-.720" (5.6-18.3) | **HBL7101C** |

*Note: See page B-51 for accessories.*

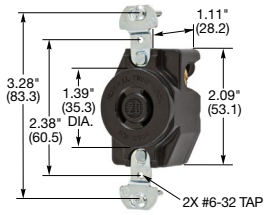


**HBL7101C**

### Receptacles

| Description | Catalog Number |
|---|---|
| Single, black phenolic. | **HBL7210B** |
| Single, mounted on 4" (101.6) round box cover, black phenolic. | **HBL7217B** |

*Note: See pages B-50 and B-51 for accessories.*

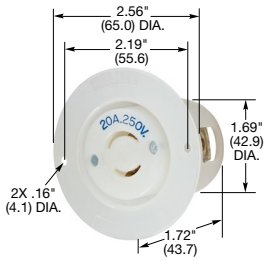


**HBL7210B**

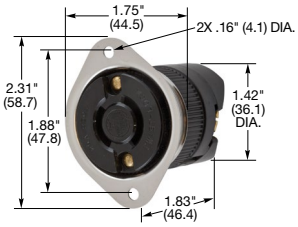
### Flanged Receptacles

| Description | Catalog Number |
|---|---|
| Insulgrip nylon casing, back wired, multiple drive screws. | **HBL8809C** |
| Metal flange, stainless steel casing, black phenolic, exposed terminals. | **HBL3226** |

*Note: See pages B-50 and B-51 for accessories.*
*Only receptacles and plugs are HP rated.*
*HP ratings are AC only.*



**HBL8809C**



**HBL3226**

*Dimensions in Inches (mm)*

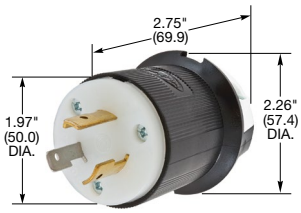
## 20 Amp, 125, 250 Volts and 277 Volts AC
## 2 Pole, 3 Wire, Grounding




HBL2321SW




HBL2321S



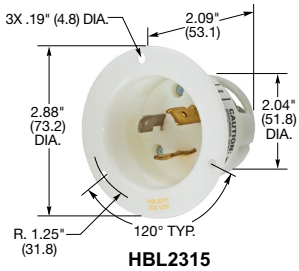

HBL2311



HBL2311ST




HBL2325SW




HBL2315

*Dimensions in Inches (mm)*

# Plugs

| | 20A 125V NEMA L5-20P 1 HP | 20A 250V NEMA L6-20P 2 HP | 20A 277V AC NEMA L7-20P 2 HP |
|---|---|---|---|
| **Watertight Safety-Shroud®** | IP66 SUITABILITY | | UL Type 4x, 12 |
| Description / Cord Dia. | Catalog Number | | |
| Black Valox® housing, white Valox® clamps. .360"-.930" (9-24) | **HBL2311SW** | **HBL2321SW** | **HBL2331SW** |
| **Safety-Shroud®** | IP20 SUITABILITY | | |
| Description / Cord Dia. | Catalog Number | | |
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. .360"-.930" (9-24) | **HBL2311S** | **HBL2321S** | **HBL2331S** |
| **Insulgrip®** | IP20 SUITABILITY | | |
| Description / Cord Dia. | Catalog Number | | |
| Black and white nylon. .360"-.930" (9-24) | **HBL2311** | **HBL2321** | **HBL2331** |
| Black and white nylon, spring termination | **HBL2311ST** | **HBL2321ST** | **HBL2331ST** |
| Corrosion resistant, yellow nylon. .360"-.930" (9-24) | **HBL23CM11** | **HBL23CM21** | – |
| All black nylon. .360"-.930" (9-24) | **HBL2311BK** | **HBL2321BK** | – |
| All black nylon, spring termination .360"-.930" (9-24) | **HBL2311STBK** | **HBL2321STBK** | – |
| Cord clamps with removable inserts. All black nylon. .360"-.930" (9-24) | **HBL2311EBK** | **HBL2321EBK** | – |

*Note: See page B-52 for accessories.*

| **Valise®** | IP20 SUITABILITY | | |
|---|---|---|---|
| Description / Cord Dia. | Catalog Number | | |
| Yellow nylon. .325"-.720" (8.26-18.3) | **HBL2311VY** | **HBL2321VY** | **HBL2331VY** |
| Corrosion resistant, yellow nylon. .325"-.720" (8.26-18.3) | **HBL23CM11V** | – | – |
| Black nylon. .325"-.720" (8.26-18.3) | **HBL2311VBK** | **HBL2321VBK** | **HBL2331VBK** |

*Note: See page B-53 for accessories.*

# Flanged Inlets

| **Watertight Safety-Shroud®** | IP66 SUITABILITY | | UL Type 4x, 12 |
|---|---|---|---|
| Description | Catalog Number | | |
| Gray Valox® housing and flange. | **HBL2315SW** | **HBL2325SW** | **HBL2335SW** |
| Gray Valox® housing and flange, reverse service (Not shown). | – | **HBL2325SWR** | – |

*Note: See page B-56 for accessories.*

| **Insulgrip®** | IP20 SUITABILITY | | |
|---|---|---|---|
| Description | Catalog Number | | |
| Nylon casing, back wired. | **HBL2315** | **HBL2325** | **HBL2335** |
| Nylon casing, spring termination | **HBL2315ST** | **HBL2325ST** | **HBL2335ST** |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*
*See page B-74 for technical information on Valise® plugs and connectors.*



HBL2315ST

**HBLMITL** - For use with Watertight Safety-Shroud receptacles, see page B-41.



*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 20 Amp, 125, 250 Volts and 277 Volts AC
## 2 Pole, 3 Wire, Grounding





| | 20A 125V NEMA L5-20R 1 HP | 20A 250V NEMA L6-20R 2 HP | 20A 277V AC NEMA L7-20R 2 HP |
|---|---|---|---|

## Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .360"-.930" (9-24) | **HBL2313SW** | **HBL2323SW** | **HBL2333SW** |

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL2313** | **HBL2323** | **HBL2333** |
| Black and white nylon, spring termination | .360"-.930" (9-24) | **HBL2313ST** | **HBL2323ST** | **HBL2333ST** |
| Corrosion resistant, yellow nylon. | .360"-.930" (9-24) | **HBL23CM13** | **HBL23CM23** | – |
| All black nylon. | .360"-.930" (9-24) | **HBL2313BK** | **HBL2323BK** | – |
| Cord clamps with removable inserts. All black nylon. | .360"-.930" (9-24) | **HBL2313EBK** | **HBL2323EBK** | – |

*Note: See page B-52 for accessories.*

### Valise®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Yellow nylon. | .325"-.720" (8.26-18.3) | **HBL2313VY** | **HBL2323VY** | – |
| Black nylon. | .325"-.720" (8.26-18.3) | **HBL2313VBK** | **HBL2323VBK** | **HBL2333VBK** |

*Note: See page B-53 for accessories.*

## Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® housing and flange, back wired. | **HBL2310SW** | **HBL2320SW** | **HBL2330SW** |

*Note: See page B-54 for accessories.*

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | **HBL2310AR** | **HBL2320AR** | **HBL2330AR** |
| Gray Valox® surface mounting, one gang, back wired. | **HBL2310SR** | **HBL2320SR** | **HBL2330SR** |
| Gray Valox® semi-flush, two gang, back wired. | **HBL2310SR2** | **HBL2320SR2** | **HBL2330SR2** |

### Single Flush Receptacles

IP20 SUITABILITY

| Description | Catalog Number | | |
|---|---|---|---|
| Black nylon face, back and side wired. | **HBL2310** | **HBL2320** | **HBL2330** |
| Black nylon face, spring terminals. | **HBL2310ST** | **HBL2320ST** | – |
| Blue nylon face, back and side wired. | **HBL2310M7** | **HBL2320M4** | – |
| Red nylon face, spring terminals | **HBL2310STR** | **HBL2320STR** | – |
| Isolated ground, orange nylon face, back and side wired. | **IG2310** | **IG2320** | – |
| Isolated ground, orange nylon face, spring termination | **IG2310ST** | – | – |
| Corrosion resistant, yellow nylon face, back and side wired. | **HBL23CM10** | – | – |
| Ring terminal connection. | **HBL2310RT** | **HBL2320RT** | – |

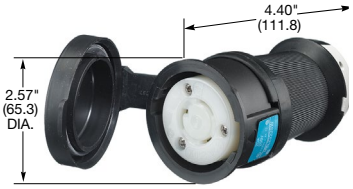
*Note: See page B-52 for accessories.*

### Insulgrip® Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2316** | **HBL2326** | **HBL2336** |
| Nylon casing, back wire, spring termination | **HBL2316ST** | **HBL2326ST** | – |

*Note: See page B-52 for accessories.*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

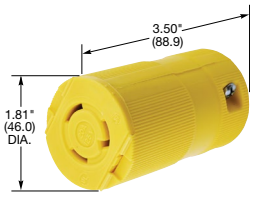


**HBL2323SW**



**HBL2313**

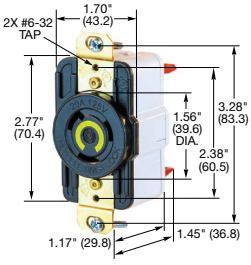

**HBL2313ST**



**HBL2313VY**



**HBL2320SW**



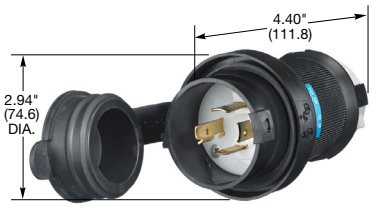
**HBL2310ST**



**HBL2320SR**

*Dimensions in Inches (mm)*

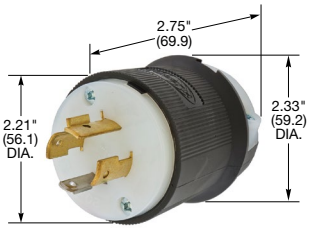
## 20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
## 3 Pole, 4 Wire, Grounding




HBL2421SW



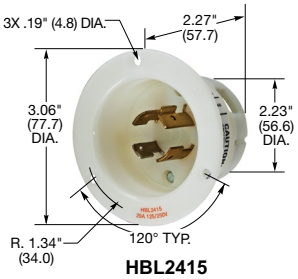

HBL2421S




HBL2411




HBL2425SW




HBL2415




# Plugs

## Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2411SW** | **HBL2421SW** | **HBL2431SW** |

## Safety-Shroud®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. | .350"-1.150" (9-29) | **HBL2411S** | **HBL2421S** | **HBL2431S** |

*Note: See page B-52 for accessories.*

## Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2411** | **HBL2421** | **HBL2431** |
| Black and white nylon, spring termination. | .350"-1.150" (9-29) | **HBL2411ST** | **HBL2421ST** | **HBL2431ST** |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL24CM11** | **HBL24CM21** | **HBL24CM31** |
| All black nylon. | .350"-1.150" (9-29) | **HBL2411BK** | **–** | **–** |
| All black nylon, spring termination | .350"-1.150" (9-29) | **HBL2411STBK** | **–** | **–** |

*Note: See page B-52 for accessories.*

# Flanged Inlets

## Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® housing and flange. | **HBL2415SW** | **HBL2425SW** | **HBL2435SW** |

*Note: See page B-54 for accessories.*

## Insulgrip®

IP20 SUITABILITY

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2415** | **HBL2425** | **HBL2435** |
| Nylon casing, spring termination. | **HBL2415ST** | **HBL2425ST** | **HBL2435ST** |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*

**HBLMITL** - For use with Watertight Safety-Shroud receptacles, see page B-41.




*Dimensions in Inches (mm)*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC
## 3 Pole, 4 Wire, Grounding










| | 20A 125/250V AC NEMA L14-20R 2 (1) HP | 20A 3Ø 250V AC NEMA L15-20R 3 HP | 20A 3Ø 480V AC NEMA L16-20R 5 HP |
|---|---|---|---|

## Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2413SW** | **HBL2423SW** | **HBL2433SW** |

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2413** | **HBL2423** | **HBL2433** |
| Black and white nylon, spring termination | .350"-1.150" (9-29) | **HBL2413ST** | **HBL2423ST** | **HBL2433ST** |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL24CM13** | **HBL24CM23** | **HBL24CM33** |
| All black nylon. | .350"-1.150" (9-29) | **HBL2413BK** | **–** | **–** |

*Note: See page B-52 for accessories.*

## Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® housing and flange, back wired. | **HBL2410SW** | **HBL2420SW** | **HBL2430SW** |

*Note: See page B-54 for accessories.*

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | **HBL2410AR** | **HBL2420AR** | **HBL2430AR** |
| Gray Valox® surface mounting, one gang, back wired. | **HBL2410SR** | **HBL2420SR** | **HBL2430SR** |
| Gray Valox® semi-flush, two gang, back wired. | **HBL2410SR2** | **HBL2420SR2** | **HBL2430SR2** |

### Single Flush Receptacles

IP20 SUITABILITY

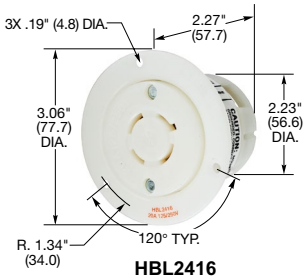
| Description | Catalog Number | | |
|---|---|---|---|
| Black nylon face, back and side wired. | **HBL2410** | **HBL2420** | **HBL2430** |
| Black and white nylon, spring termination. | **HBL2410ST** | **HBL2420ST** | **HBL2430ST** |
| Isolated ground, orange nylon face, back and side wired. | **IG2410** | **IG2420** | **–** |
| Ring terminal connection. | **HBL2410RT** | **HBL2420RT** | **–** |

*Note: See page B-52 for accessories.*

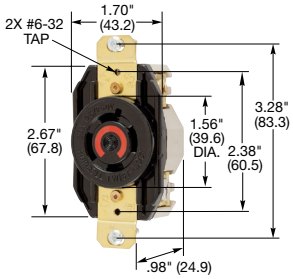
### Insulgrip® Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2416** | **HBL2426** | **HBL2436** |
| Nylon casing, back wire, spring terminatio | **HBL2416ST** | **HBL2426ST** | **HBL2436ST** |

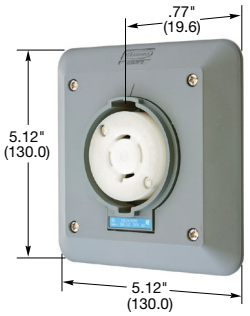
*Note: See page B-52 for accessories.*




**HBL2416**




**HBL2410**




**HBL2420SR2**




**HBL2423SW**



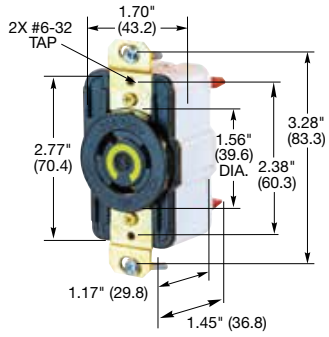

**HBL2413**



**HBL2413ST**




**HBL2420SW**




**HBL2430ST**

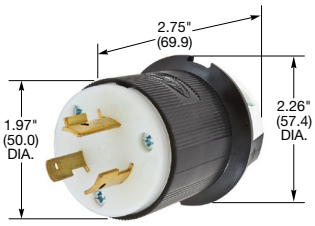



**HBL2420SR**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

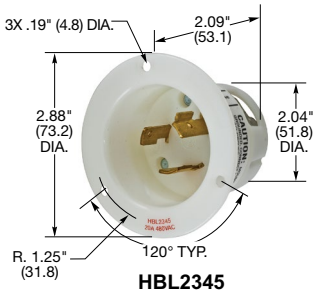
*Dimensions in Inches (mm)*

## 20 Amp, 347, 480, 600 and 125/250 Volts AC
## 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding



HBL2341

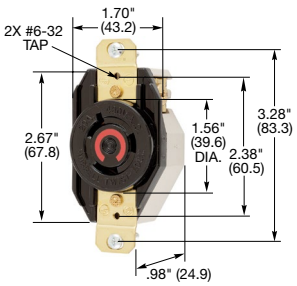

HBL2341ST



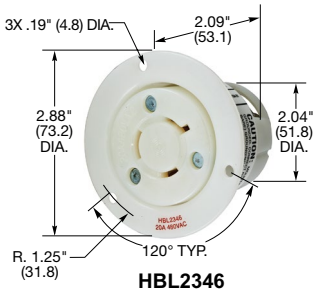
HBL2345



HBL2343



HBL2340



HBL2346

## Plugs

IP20 SUITABILITY






| Description | Cord Dia. | 20A 347V AC NEMA L24-20P | 20A 480V AC NEMA L8-20P 3 HP | 20A 600V AC NEMA L9-20P | 20A 125/250V AC NEMA L10-20P 2 (1) HP |
|---|---|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL3721** | **HBL2341** | **HBL2351** | – |
| Black and white nylon, spring termination | | – | **HBL2341ST** | – | – |
| Black and white nylon (Not shown). | .300"-1.050" (7.6-26.7) | – | – | – | **HBL2361** |

*Note: See page B-52 for accessories.*

## Flanged Inlets

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Nylon casing, back wired. | **HBL3725** | **HBL2345** | **HBL2355** | **HBL2365** |
| Nylon casing, spring termination. | – | **HBL2345ST** | – | – |

*Note: See page B-52 for accessories.*

## Connector Bodies

IP20 SUITABILITY






| Description | Cord Dia. | 20A 347V AC NEMA L24-20R | 20A 480V AC NEMA L8-20R 3 HP | 20A 600V AC NEMA L9-20R | 20A 125/250V AC NEMA L10-20R 2 (1) HP |
|---|---|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL3723** | **HBL2343** | **HBL2353** | – |
| Black and white nylon, spring termination | .360"-.930" (9-24) | – | **HBL2343ST** | – | – |
| Black and white nylon (Not shown). | .300"-1.050" (7.6-26.7) | – | – | – | **HBL2363** |

*Note: See page B-52 for accessories.*

## Single Flush Receptacles

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Black nylon face, back and side wired. | **HBL3720** | **HBL2340** | **HBL2350** | **HBL2360** |
| Watertight Safety-Shroud®, gray Valox® housing and flange, back and side wired, (Not shown). | – | **HBL2340SW** | – | – |
| Isolated ground, orange nylon face, back and side wired. | – | **IG2340** | – | – |

*Note: See page B-52 for accessories.*

## Flanged Receptacles

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Nylon casing, back wired. | **HBL3726** | **HBL2346** | **HBL2356** | **HBL2366** |

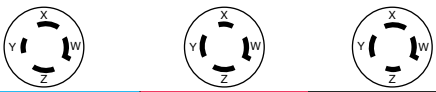
*Note: See page B-52 for accessories.*
*See page B-69 for technical information.*
*See page B-39 for switched enclosure.*
*See page B-42 for Add-A-Shroud® kit. For use with connector bodies.*
*Only receptacles and plugs up to 480V AC are HP rated.*
*HP ratings are AC only.*

*Dimensions in Inches (mm)*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
## 4 Pole, 4 Wire, Non-Grounding

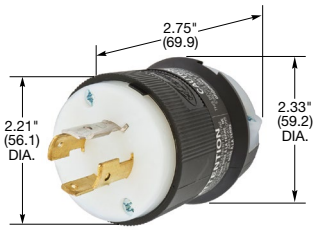
IP20 SUITABILITY




### Plugs

| Description | Cord Dia. | 20A 3ØY 120/208V AC NEMA L18-20P 2 HP | 20A 277/480V AC NEMA L19-20P 5 HP | 20A 347/600V AC NEMA L20-20P |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2441** | **HBL2451** | **HBL2461** |

*Note: See page B-52 for accessories.*

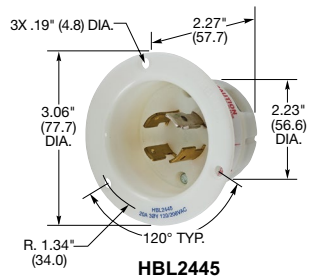



**HBL2441**

### Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2445** | **HBL2455** | **HBL2465** |

*Note: See page B-52 for accessories.*




**HBL2445**

IP20 SUITABILITY




### Connector Bodies

| Description | Cord Dia. | 20A 3ØY 120/208V AC NEMA L18-20R 2 HP | 20A 277/480V AC NEMA L19-20R 5 HP | 20A 347/600V AC NEMA L20-20R |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2443** | **HBL2453** | **HBL2463** |

*Note: See page B-52 for accessories.*

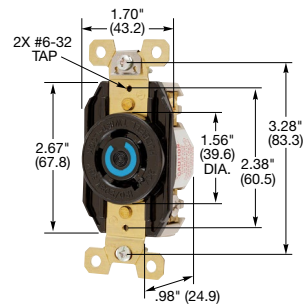



**HBL2443**

### Single Flush Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Black nylon face, back and side wired. | **HBL2440** | **HBL2450** | **HBL2460** |

*Note: See page B-52 for accessories.*

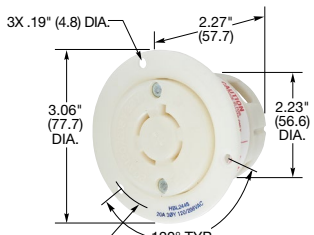



**HBL2440**

### Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2446** | **HBL2456** | **HBL2466** |

*Note: See page B-52 for accessories.*
*See page B-69 for technical information.*
*See page B-39 for switched enclosure.*
*See page B-42 for Add-A-Shroud® kit. For use with connector bodies.*
*Only receptacles and plugs up to 480V AC are HP rated.*
*HP ratings are AC only.*




**HBL2446**

*Dimensions in Inches (mm)*

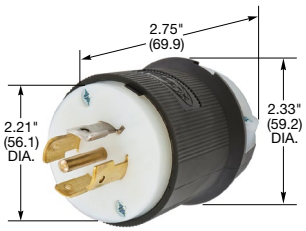
## 20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
## 4 Pole, 5 Wire, Grounding




HBL2511SW



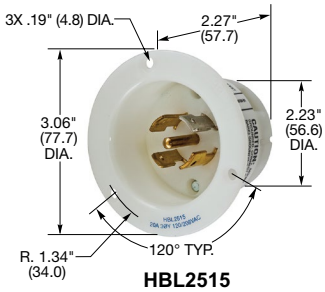

HBL2511S




HBL2511




HBL2515SW




HBL2515

*Dimensions in Inches (mm)*

# Plugs










| | | 20A 3ØY 120/208V AC NEMA L21-20P 2 HP | 20A 3ØY 277/480V AC NEMA L22-20P 5 HP | 20A 3ØY 347/600V AC NEMA L23-20P |
|---|---|---|---|---|
| **Watertight Safety-Shroud®** | | IP66 SUITABILITY | | UL Type 4x, 12 |
| Description | Cord Dia. | Catalog Number | | |
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2511SW** | – | – |
| **Safety-Shroud®** | | IP20 SUITABILITY | | |
| Description | Cord Dia. | Catalog Number | | |
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. | .350"-1.150" (9-29) | **HBL2511S** | – | – |

*Note: See page B-40 for accessories.*

| **Insulgrip®** | | IP20 SUITABILITY | | |
|---|---|---|---|---|
| Description | Cord Dia. | Catalog Number | | |
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2511** | **HBL2521** | **HBL2531** |
| Black and white nylon, spring termination. | .350"-1.150" (9-29) | **HBL2511ST** | **HBL2521ST** | – |
| All black nylon. | .350"-1.150" (9-29) | **HBL2511BK** | – | – |
| All black nylon, spring termination | .350"-1.150" (9-29) | **HBL2511STBK** | – | – |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL25CM11** | – | – |
| Black and white for flat cable. | .350"-1.150" (9-29) | **HBL2511FC** | – | – |

*Note: See page B-52 for accessories.*

# Flanged Inlets

| **Watertight Safety-Shroud®** | IP66 SUITABILITY | | UL Type 4x, 12 |
|---|---|---|---|
| Description | Catalog Number | | |
| Gray Valox® housing and flange. | **HBL2515SW** | – | – |

*Note: See page B-52 for accessories.*

| **Insulgrip®** | IP20 SUITABILITY | | |
|---|---|---|---|
| Description | Catalog Number | | |
| Nylon casing, back wired. | **HBL2515** | **HBL2525** | **HBL2535** |
| Nylon casing, spring termination. | **HBL2515ST** | **HBL2525ST** | – |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*

## Twist-Lock® 3-Phase Circuit Tester

| Description | Rating | Catalog Number | | |
|---|---|---|---|---|
| 3-Phase Circuit Tester. | 3Ø 120/208V AC Min. Voltage: 90V AC | **HBL3PT2511** | – | – |

*Note: Testers in other NEMA configurations can be developed upon request.*
*See page B-53 for additional circuit testers.*



HBL3PT2511

**HBLMITL** - For use with Watertight Safety-Shroud receptacles, see page B-41.




*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
## 4 Pole, 5 Wire, Grounding



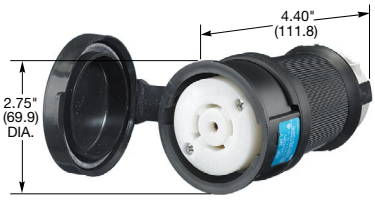

| | 20A 3ØY 120/208V AC NEMA L21-20R 2 HP | 20A 3ØY 277/480V AC NEMA L22-20R 5 HP | 20A 3ØY 347/600V AC NEMA L23-20R |
|---|---|---|---|

# Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2513SW** | – | – |




**HBL2513SW**

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2513** | **HBL2523** | **HBL2533** |
| Black and white nylon, spring termination | .350"-1.150" (9-29) | **HBL2513ST** | **HBL2523ST** | – |
| All black nylon. | .350"-1.150" (9-29) | **HBL2513BK** | – | – |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL25CM13** | – | – |
| Black and white for flat cable. | .350"-1.150" (9-29) | **HBL2513FC** | – | – |

*Note: See page B-52 for accessories.*




**HBL2513**



**HBL2513ST**

# Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

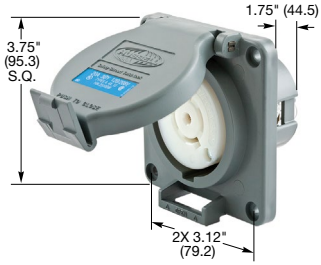
| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® housing and flange, back wired. | **HBL2510SW** | – | – |

*Note: See page B-54 for accessories.*

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

| Description | Catalog Number | | |
|---|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | **HBL2510AR** | – | – |
| Gray Valox® surface mounting, one gang, back wired. | **HBL2510SR** | – | – |
| Gray Valox® semi-flush, two gang, back wired. | **HBL2510SR2** | – | – |



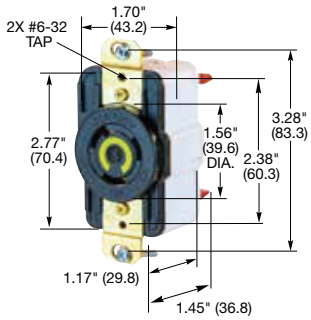

**HBL2510SW**

### Single Flush Receptacles

IP20 SUITABILITY

| Description | Catalog Number | | |
|---|---|---|---|
| Black nylon face, back and side wired. | **HBL2510** | **HBL2520*** | **HBL2530*** |
| Black and white nylon, spring termination. | **HBL2510ST** | **HBL2520ST** | – |
| Isolated ground, orange nylon face, back and side wired. | **IG2510** | – | – |

*Note: See page B-52 for accessories.*
**Not Fed Spec.*

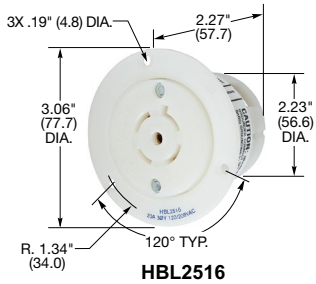



**HBL2520ST**

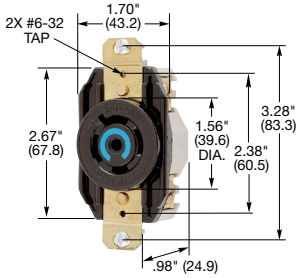
### Insulgrip® Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2516** | **HBL2526** | **HBL2536** |
| Nylon casing, back wire, spring termination | **HBL2516ST** | – | – |
| Black nylon casing, back wire, spring termination | **HBL2516STBK** | – | – |

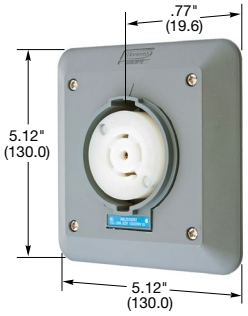
*Note: See page B-52 for accessories.*




**HBL2516**




**HBL2510**




**HBL2510SR2**

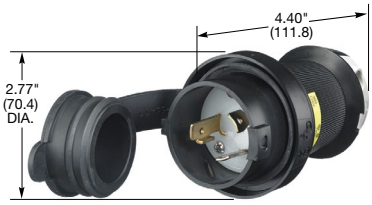



**HBL2510SR**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

*Dimensions in Inches (mm)*

## 30 Amp, 125, 250 Volts and 277 Volts AC
## 2 Pole, 3 Wire, Grounding




HBL2611SW




HBL2621S



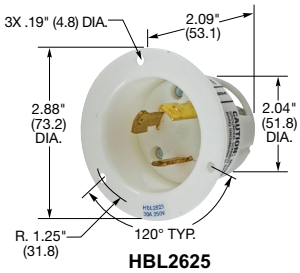

HBL2621



HBL2611ST




HBL2615SW




HBL2625










# Plugs

| | | 30A 125V NEMA L5-30P 2 HP | 30A 250V NEMA L6-30P 2 HP | 30A 277V AC NEMA L7-30P 3 HP |
|---|---|---|---|---|
| **Watertight Safety-Shroud®** | | IP66 SUITABILITY | | UL Type 4x, 12 |
| Description | Cord Dia. | Catalog Number | | |
| Black Valox® housing, white Valox® clamps. | .325"-.930" (9-24) | **HBL2611SW** | **HBL2621SW** | – |
| **Safety-Shroud®** | | **IP20 SUITABILITY** | | |
| Description | Cord Dia. | Catalog Number | | |
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. | .360"-.930" (9-24) | **HBL2611S** | **HBL2621S** | – |

*Note: See page B-40 for accessories.*

| **Insulgrip®** | | IP20 SUITABILITY | | |
|---|---|---|---|---|
| Description | Cord Dia. | Catalog Number | | |
| Black and white nylon. | .360"-.930" (9-24) | **HBL2611** | **HBL2621** | **HBL2631** |
| Black and white nylon, spring termination | | **HBL2611ST** | **HBL2621ST** | – |
| Heat stabilized, gray nylon, 220° F (104° C). | .360"-.930" (9-24) | **HBL2611F** | **HBL2621F** | – |
| Corrosion resistant, yellow nylon. | .360"-.930" (9-24) | **HBL26CM11** | **HBL26CM21** | – |
| All black nylon. | .360"-.930" (9-24) | **HBL2611BK** | **HBL2621BK** | – |
| All black nylon, spring termination | .360"-.930" (9-24) | **HBL2611STBK** | **HBL2621STBK** | – |
| Cord clamps with removable inserts. All black nylon. | .360"-.930" (9-24) | – | **HBL2621EBK** | – |

*Note: See page B-52 for accessories.*

| **Valise®** | | IP20 SUITABILITY | | |
|---|---|---|---|---|
| Description | Cord Dia. | Catalog Number | | |
| Yellow nylon. | .590"-.930" (15.0-23.6) | **HBL2611VY** | **HBL2621VY** | – |
| Corrosion resistant, yellow nylon. | .590"-.930" (15.0-23.6) | **HBL26CM11V** | – | – |
| Black nylon. | .590"-.930" (15.0-23.6) | **HBL2611VBK** | **HBL2621VBK** | – |

*Note: See page B-53 for accessories.*

# Flanged Inlets

| **Watertight Safety-Shroud®** | | IP66 SUITABILITY | | UL Type 4x, 12 |
|---|---|---|---|---|
| Description | | Catalog Number | | |
| Gray Valox® housing and flange. | | **HBL2615SW** | **HBL2625SW** | – |
| Reverse service, gray Valox® housing and flange (use with HBL2613SR), (Not shown). | | **HBL2615SWR** | – | – |

*Note: See page B-54 for accessories.*

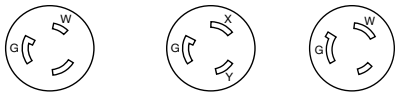
| **Insulgrip®** | | IP20 SUITABILITY | | |
|---|---|---|---|---|
| Description | | Catalog Number | | |
| Nylon casing, back wired. | | **HBL2615** | **HBL2625** | **HBL2635** |
| Nylon casing, spring termination | | **HBL2615ST** | **HBL2625ST** | – |
| Heat stabilized, gray nylon, 220° F (104° C). | | **HBL2615F** | **HBL2625F** | – |
| Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover. | | **HBL2615M3** | – | – |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*
*See page B-74 for technical information on Valise plugs and connectors.*

*Dimensions in Inches (mm)*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 30 Amp, 125, 250 Volts and 277 Volts AC
## 2 Pole, 3 Wire, Grounding




# Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | 30A 125V NEMA L5-30R 2 HP | 30A 250V NEMA L6-30R 2 HP | 30A 277V AC NEMA L7-30R 3 HP |
|---|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .360"-.930" (9-24) | | **HBL2613SW** | **HBL2623SW** | – |
| Reverse service, black Valox® housing, white Valox® clamps (use with HBL2615SWR), (Not shown). | .360"-.930" (9-24) | | **HBL2613SR** | – | – |

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | | |
|---|---|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | | **HBL2613** | **HBL2623** | **HBL2633** |
| Black and white nylon, spring termination | .360"-.930" (9-24) | | **HBL2613ST** | **HBL2623ST** | – |
| Heat stabilized, gray nylon, 220° F (104° C). | .360"-.930" (9-24) | | **HBL2613F** | **HBL2623F** | – |
| Corrosion resistant, yellow nylon. | .360"-.930" (9-24) | | **HBL26CM13** | **HBL26CM23** | – |
| All black nylon. | .360"-.930" (9-24) | | **HBL2613BK** | **HBL2623BK** | – |

*Note: See page B-52 for accessories.*

### Valise®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | | |
|---|---|---|---|---|---|
| Yellow nylon. | .590"-.930" (15.0-23.6) | | **HBL2613VY** | **HBL2623VY** | – |
| Corrosion resistant, yellow nylon. | .590"-.930" (15.0-23.6) | | **HBL26CM13V** | – | – |
| Black nylon. | .590"-.930" (15.0-23.6) | | **HBL2613VBK** | **HBL2623VBK** | – |
| Cord clamps with removable inserts. All black nylon. | .360"-.930" (9-24) | | – | **HBL2623EBK** | – |

*Note: See page B-53 for accessories.*

# Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Gray Valox® housing and flange, back wired. | | **HBL2610SW** | **HBL2620SW** | – |

*Note: See page B-54 for accessories.*

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | | **HBL2610AR** | **HBL2620AR** | – |
| Gray Valox® surface mounting, one gang, back wired. | | **HBL2610SR** | **HBL2620SR** | – |
| Gray Valox® semi-flush, two gang, back wired. | | **HBL2610SR2** | **HBL2620SR2** | – |

### Single Flush Receptacles

IP20 SUITABILITY

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Black nylon face, back and side wired. | | **HBL2610** | **HBL2620** | **HBL2630** |
| Black nylon face, spring terminals. | | **HBL2610ST** | **HBL2620ST** | – |
| Blue nylon face, back and side wired. | | **HBL2610M6** | **HBL2620M6** | – |
| Isolated ground, orange nylon face, back and side wired. | | **IG2610** | **IG2620** | – |
| Isolated ground, orange nylon face, spring termination | | **IG2610ST** | **IG2620ST** | – |
| Corrosion resistant, yellow nylon face, back and side wired. | | **HBL26CM10** | **HBL26CM20** | – |
| Ring terminal connection. | | **HBL2610RT** | **HBL2620RT** | – |

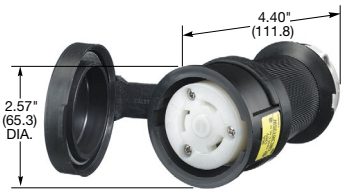
*Note: See page B-52 for accessories.*

### Insulgrip® Flanged Receptacles

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Nylon casing, back wired. | | **HBL2616** | **HBL2626** | **HBL2636** |
| Nylon casing, back wire, spring termination | | **HBL2616ST** | **HBL2626ST** | – |
| Heat stabilized, gray nylon, 220° F (104° C). | | **HBL2616F** | **HBL2626F** | – |

*Note: See page B-52 for accessories.*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*



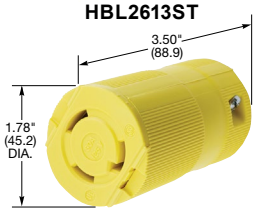

**HBL2613SW**



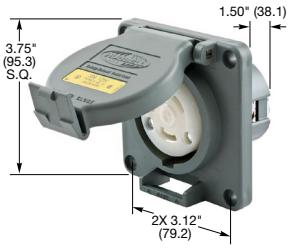

**HBL2623**



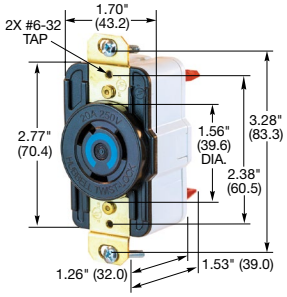
**HBL2613ST**




**HBL2613VY**




**HBL2610SW**



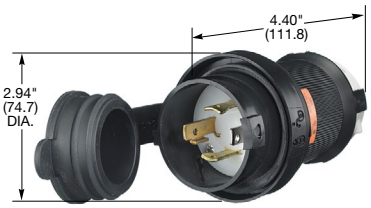

**HBL2610ST**




**HBL2620SR**

*Dimensions in Inches (mm)*

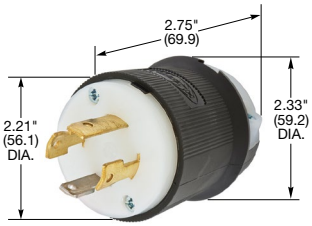
## 30 Amp, 125/250 and 3Ø 250 Volts AC
## 3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding



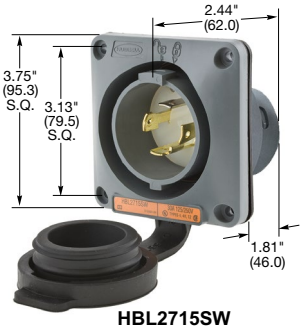

HBL2711SW



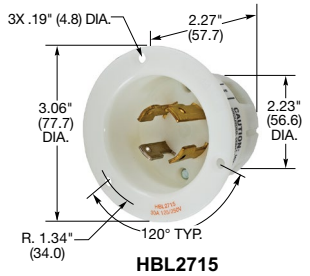

HBL2711S



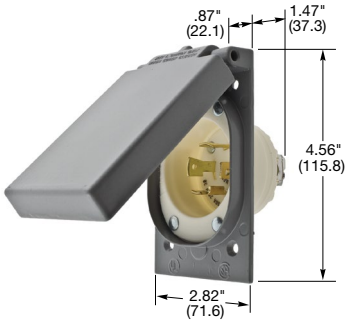

HBL2711




HBL2715SW




HBL2715




HBL2715M3

# Plugs

| | 30A 125/250V AC NEMA L10-30P | 30A 125/250V AC NEMA L14-30P 2 (2) HP | 30A 3Ø 250V AC NEMA L15-30P 3 HP |
|---|---|---|---|
| **Watertight Safety-Shroud®** — IP66 SUITABILITY — UL Type 4x, 12 | | | |
| Description / Cord Dia. | Catalog Number | | |
| Black Valox® housing, white Valox® clamps. .350"-1.150" (9-29) | – | **HBL2711SW** | **HBL2721SW** |
| **Safety-Shroud®** — IP20 SUITABILITY | | | |
| Description / Cord Dia. | Catalog Number | | |
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. .350"-1.150" (9-29) | – | **HBL2711S** | **HBL2721S** |

*Note: See page B-40 for accessories.*

| | | | | |
|---|---|---|---|---|
| **Insulgrip®** — IP20 SUITABILITY | | | | |
| Description | Cord Dia. | Catalog Number | | |
| Black and white nylon. | .350"-1.150" (9-29) | – | **HBL2711** | **HBL2721** |
| Black and white nylon, spring termination. | .350”-1.150” (9-29) | – | **HBL2711ST** | **HBL2721ST** |
| Black and white nylon, (Not shown). | .300"-.950" (7.6-24.1) | **HBL2661** | – | – |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | – | **HBL27CM11** | **HBL27CM21** |
| All black nylon. | .350"-1.150" (9-29) | – | **HBL2711BK** | – |
| All black nylon, spring termination | .350"-1.150" (9-29) | – | **HBL2711STBK** | – |

*Note: See page B-52 for accessories.*

# Flanged Inlets

| | | | |
|---|---|---|---|
| **Watertight Safety-Shroud®** — IP66 SUITABILITY — UL Type 4x, 12 | | | |
| Description | Catalog Number | | |
| Gray Valox® housing and flange. | – | **HBL2715SW** | **HBL2725SW** |
| Reverse service, gray Valox® housing and flange (use with HBL2713SR), (Not shown). | – | **HBL2715SWR** | – |

*Note: See page B-54 for accessories.*

| | | | |
|---|---|---|---|
| **Insulgrip®** — IP20 SUITABILITY | | | |
| Description | Catalog Number | | |
| Nylon casing, back wired. | – | **HBL2715** | **HBL2725** |
| Nylon casing, spring termination. | – | **HBL2715ST** | **HBL2725ST** |
| Nylon casing, back wired, (Not shown). | **HBL2665** | – | – |
| Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover. | – | **HBL2715M3** | – |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*

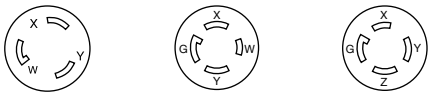
**HBLMITL** - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page B-41.




*Dimensions in Inches (mm)*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

**30 Amp, 125/250 and 3Ø 250 Volts AC**
**3 Pole, 3 Wire, Non-Grounding and**
**3 Pole, 4 Wire, Grounding**

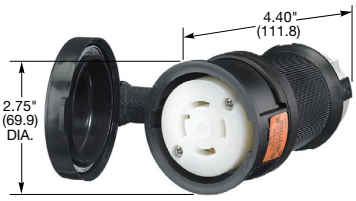



## Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | 30A 125/250V AC NEMA L10-30R | 30A 125/250V AC NEMA L14-30R 2 (2) HP | 30A 3Ø 250V AC NEMA L15-30R 3 HP |
|---|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | – | | **HBL2713SW** | **HBL2723SW** |
| Reverse service, black Valox® housing, white Valox® clamps (use with HBL2715SWR), (Not shown). | .350"-1.150" (9-29) | – | | **HBL2713SR** | – |



**HBL2713SW**

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | | |
|---|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | – | | **HBL2713** | **HBL2723** |
| Black and white nylon, spring termination | .350"-1.150" (9-29) | – | | **HBL2713ST** | **HBL2723ST** |
| Black and white nylon, (Not shown). | .300"-.950" (7.6-24.1) | **HBL2663** | | – | – |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | – | | **HBL27CM13** | **HBL27CM23** |
| All black nylon. | .350"-1.150" (9-29) | – | | **HBL2713BK** | – |

*Note: See page B-52 for accessories.*



**HBL2713**

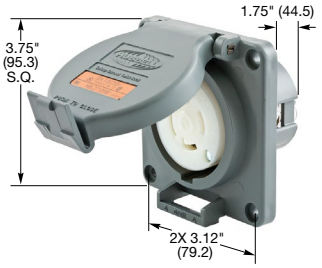
## Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Gray Valox® housing and flange, back wired. | – | | **HBL2710SW** | **HBL2720SW** |

*Note: See page B-54 for accessories.*



**HBL2710SW**

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

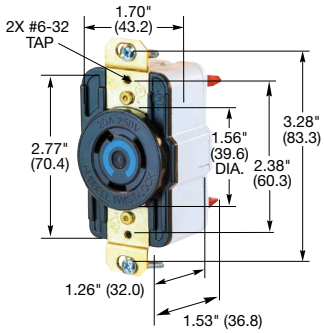
| Description | Catalog Number | | | |
|---|---|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | – | | **HBL2710AR** | **HBL2720AR** |
| Gray Valox® surface mounting, one gang, back wired. | – | | **HBL2710SR** | **HBL2720SR** |
| Gray Valox® semi-flush, two gang, back wired. | – | | **HBL2710SR2** | **HBL2720SR2** |

### Single Flush Receptacles

IP20 SUITABILITY

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Black nylon face, back and side wired. | – | | **HBL2710** | **HBL2720** |
| Black and white nylon, spring termination. | – | | **HBL2710ST** | **HBL2720ST** |
| Black nylon face, back and side wired, (Not shown). | **HBL2660** | | – | – |
| Isolated ground, orange nylon face, back and side wired. | – | | **IG2710** | **IG2720** |
| Ring terminal connection. | – | | **HBL2710RT** | **HBL2720RT** |

*Note: See page B-52 for accessories.*

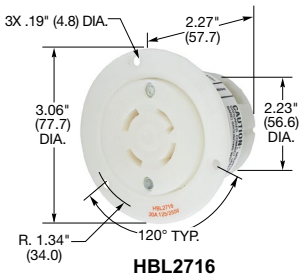


**HBL2720ST**

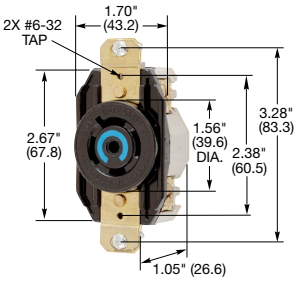
### Insulgrip® Flanged Receptacles

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Nylon casing, back wired. | – | | **HBL2716** | **HBL2726** |
| Nylon casing, back wire, spring termination | – | | **HBL2716ST** | **HBL2726ST** |

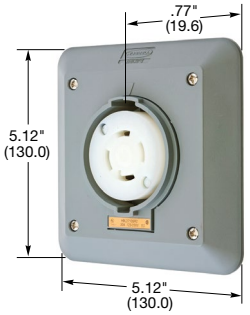
*Note: See page B-52 for accessories.*



**HBL2716**



**HBL2710**



**HBL2710SR2**



**HBL2710SR**

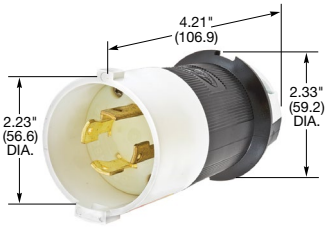
*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

*Dimensions in Inches (mm)*

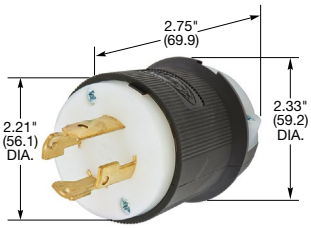
## 30 Amp, 3Ø 480 and 3Ø 600 Volts AC
## 3 Pole, 4 Wire, Grounding



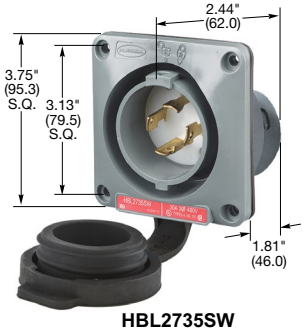

HBL2731SW



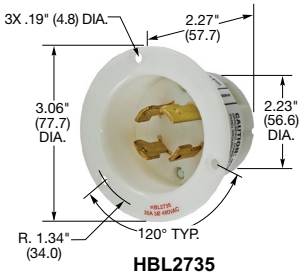

HBL2731S




HBL2731




HBL2735SW




HBL2735




30A 3Ø 480V AC
NEMA L16-30P
10 HP




30A 3Ø 600V AC
NEMA L17-30P

# Plugs

### Watertight Safety-Shroud®

IP66 SUITABILITY  UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2731SW** | **HBL2741SW** |

### Safety-Shroud®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. | .350"-1.150" (9-29) | **HBL2731S** | **HBL2741S** |

*Note: See page B-42 for accessories.*

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2731** | **HBL2741** |
| Black and white nylon, spring termination. | .350"-1.150" (9-29) | **HBL2731ST** | **–** |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL27CM31** | **HBL27CM41** |

*Note: See page B-52 for accessories.*

# Flanged Inlets

### Watertight Safety-Shroud®

IP66 SUITABILITY  UL Type 4x, 12

| Description | Catalog Number | |
|---|---|---|
| Gray Valox® housing and flange. | **HBL2735SW** | **HBL2745SW** |

*Note: See page B-54 for accessories.*

### Insulgrip®

IP20 SUITABILITY

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **HBL2735** | **HBL2745** |
| Nylon casing, spring termination. | **HBL2735ST** | **–** |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*

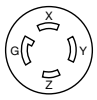


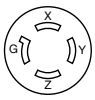

**HBLMITL** - For use with Watertight Safety-Shroud receptacles, see page B-41.

*Dimensions in Inches (mm)*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 30 Amp, 3Ø 480 and 3Ø 600 Volts AC
## 3 Pole, 4 Wire, Grounding




| | 30A 3Ø 480V AC NEMA L16-30R 10 HP | 30A 3Ø 600V AC NEMA L17-30R |
|---|---|---|

## Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

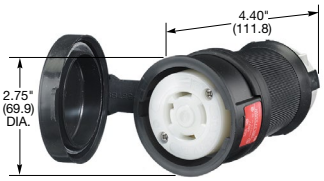
| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2733SW** | **HBL2743SW** |

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2733** | **HBL2743** |
| Black and white nylon, spring termination | .350"-1.150" (9-29) | **HBL2733ST** | **–** |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL27CM33** | **HBL27CM43** |

*Note: See page B-52 for accessories.*




**HBL2733SW**




**HBL2733**



**HBL2733ST**

## Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Catalog Number | |
|---|---|---|
| Gray Valox® housing and flange, back wired. | **HBL2730SW** | **HBL2740SW** |

*Note: See page B-54 for accessories.*

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

| Description | Catalog Number | |
|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | **HBL2730AR** | **HBL2740AR** |
| Gray Valox® surface mounting, one gang, back wired. | **HBL2730SR** | **HBL2740SR** |
| Gray Valox® semi-flush, two gang, back wired. | **HBL2730SR2** | **HBL2740SR2** |

### Single Flush Receptacles

IP20 SUITABILITY

| Description | Catalog Number | |
|---|---|---|
| Black nylon face, back and side wired. | **HBL2730** | **HBL2740** |
| Black and white nylon, spring termination. | **HBL2730ST** | **–** |

*Note: See page B-52 for accessories.*

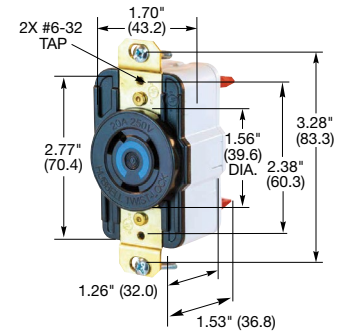
### Insulgrip® Flanged Receptacles

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **HBL2736** | **HBL2746** |
| Nylon casing, back wire, spring termination | **HBL2736ST** | **–** |

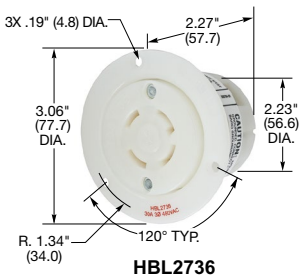
*Note: See page B-52 for accessories.*



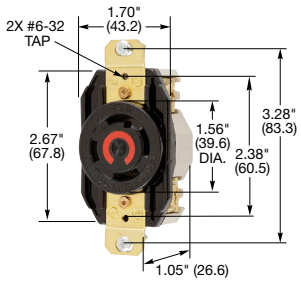

**HBL2730SW**



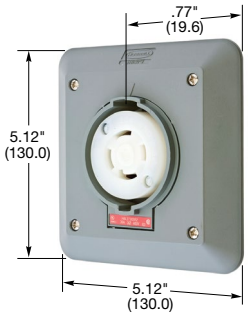

**HBL2730ST**




**HBL2736**




**HBL2730**




**HBL2730SR2**




**HBL2730SR**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

*Dimensions in Inches (mm)*

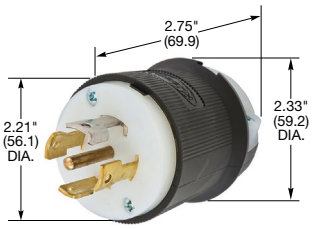
## 30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
## 4 Pole, 5 Wire, Grounding



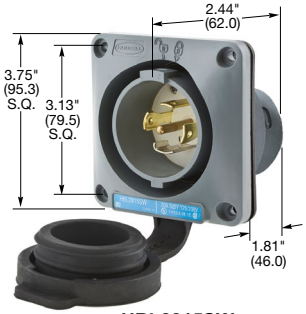

HBL2811SW



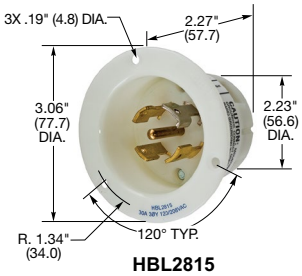

HBL2811S




HBL2811




HBL2815SW




HBL2815

*Dimensions in Inches (mm)*

# Plugs

| | 30A 3ØY 120/208V AC NEMA L21-30P 3 HP | 30A 3ØY 240/415V AC NEMA L26-30P | 30A 3ØY 277/480V AC NEMA L22-30P 10 HP | 30A 3ØY 347/600V AC NEMA L23-30P |
|---|---|---|---|---|
| **Watertight Safety-Shroud®** | IP66 SUITABILITY | | UL Type 4x, 12 | |
| Description / Cord Dia. | Catalog Number | | | |
| Black Valox® housing, white Valox® clamps. .350"-1.150" (9-29) | **HBL2811SW** | **HBL2801** | **HBL2821SW** | **HBL2831SW** |
| **Safety-Shroud®** | IP20 SUITABILITY | | | |
| Description / Cord Dia. | Catalog Number | | | |
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. .350"-1.150" (9-29) | **HBL2811S** | – | – | – |
| **Insulgrip®** | IP20 SUITABILITY | | | |
| Description / Cord Dia. | Catalog Number | | | |
| Black and white nylon. .350"-1.150" (9-29) | **HBL2811** | – | **HBL2821** | **HBL2831** |
| Black and white nylon, spring termination. .350"-1.150" (9-29) | **HBL2811ST** | – | **HBL2821ST** | – |
| Corrosion resistant, yellow nylon. .350"-1.150" (9-29) | **HBL28CM11** | – | – | – |
| Black and white for flat cable. .350"-1.150" (9-29) | **HBL2811FC** | – | – | – |
| All black nylon. .350"-1.150" (9-29) | **HBL2811BK** | – | – | – |
| All black nylon, spring termination .350"-1.150" (9-29) | **HBL2811STBK** | – | – | – |

*Note: See page B-52 for accessories.*

# Flanged Inlets

| | | | | |
|---|---|---|---|---|
| **Watertight Safety-Shroud®** | | IP66 SUITABILITY | UL Type 4x, 12 | |
| Description | Catalog Number | | | |
| Gray Valox® housing and flange. | **HBL2815SW** | **HBL2805** | – | – |

*Note: See page B-54 for accessories.*

| | | | | |
|---|---|---|---|---|
| **Insulgrip®** | | IP20 SUITABILITY | | |
| Description | Catalog Number | | | |
| Nylon casing, back wired. | **HBL2815** | – | **HBL2825** | **HBL2835** |
| Nylon casing, spring termination. | **HBL2815ST** | – | **HBL2825ST** | – |

*Note: See page B-52 for accessories.*
*See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.*

## Twist-Lock® 3-Phase Circuit Tester

| Description | Rating | Catalog Number | | | |
|---|---|---|---|---|---|
| 3-Phase Circuit Tester | 3Ø 120/208V AC<br>Min. Voltage: 90V AC | **HBL3PT2811** | – | – | – |

*Note: Testers in other NEMA configurations can be developed upon request.*
*See page B-53 for additional circuit testers.*



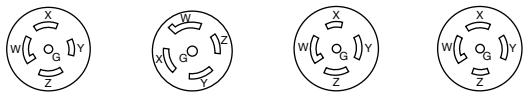
**HBL3PT2811**




**HBLMITL** - For use with Watertight Safety-Shroud receptacles, see page B-41.

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
## 4 Pole, 5 Wire, Grounding



| 30A 3ØY 120/208V AC NEMA L21-30R 3 HP | 30A 3ØY 240/415V AC NEMA L26-30R | 30A 3ØY 277/480V AC NEMA L22-30R 10 HP | 30A 3ØY 347/600V AC NEMA L23-30R |
|---|---|---|---|

# Connector Bodies

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

| Description | Cord Dia. | Catalog Number | | | |
|---|---|---|---|---|---|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | **HBL2813SW** | **HBL2803** | **HBL2823SW** | – |

### Insulgrip®

IP20 SUITABILITY

| Description | Cord Dia. | Catalog Number | | | |
|---|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2813** | – | **HBL2823** | **HBL2833** |
| Black and white nylon, spring termination | .350"-1.150" (9-29) | **HBL2813ST** | – | **HBL2823ST** | – |
| Corrosion resistant, yellow nylon. | .350"-1.150" (9-29) | **HBL28CM13** | – | – | – |
| Black and white for flat cable. | .350"-1.150" (9-29) | **HBL2813FC** | – | – | – |
| All black nylon. | .350"-1.150" (9-29) | **HBL2813BK** | – | – | – |

*Note: See page B-52 for accessories.*




**HBL2813SW**



**HBL2813ST**




**HBL2813**

# Receptacles

### Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

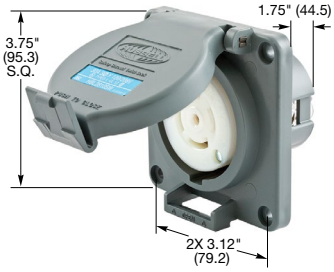
| Description | Catalog Number | | | |
|---|---|---|---|---|
| Gray Valox® housing and flange, back wired. | **HBL2810SW** | – | **HBL2820SW** | **HBL2830SW** |

*Note: See page B-54 for accessories.*

### Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Gray Valox® angle housing, one gang, back wired. | **HBL2810AR** | – | – | – |
| Gray Valox® surface mounting, one gang, back wired. | **HBL2810SR** | – | – | – |
| Gray Valox® semi-flush, two gang, back wired. | **HBL2810SR2** | – | – | – |



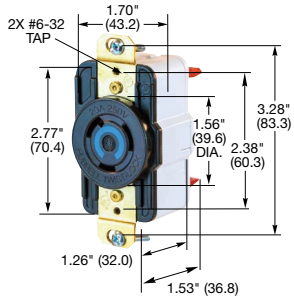

**HBL2810SW**

### Single Flush Receptacles

IP20 SUITABILITY

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Black nylon face, back and side wired. | **HBL2810** | **HBL2800** | **HBL2820** | **HBL2830** |
| Black and white nylon, spring termination | **HBL2810ST** | – | **HBL2820ST** | – |
| Isolated ground, orange nylon face, back and side wired. | **IG2810** | – | – | – |
| Ring terminal connection. | **HBL2810RT** | – | – | – |

*Note: See page B-52 for accessories.*




**HBL2820ST**

### Insulgrip® Flanged Receptacles

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Nylon casing, back wired. | **HBL2816** | – | **HBL2826** | **HBL2836** |
| Nylon casing, back wire, spring termination | **HBL2816ST** | – | **HBL2826ST** | – |
| Black nylon casing, back wire, spring termination | **HBL2816STBK** | – | – | – |

*Note: See page B-52 for accessories.*

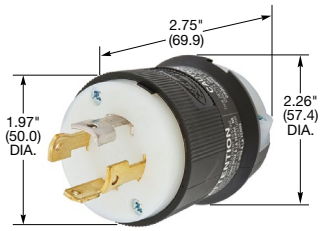



**HBL2810SR**

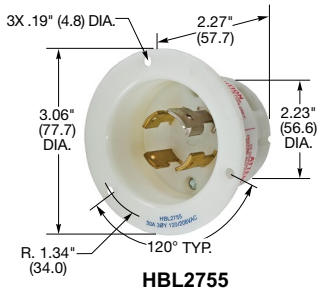
*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

*Dimensions in Inches (mm)*

## 30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC
## 4 Pole, 4 Wire, Non-Grounding



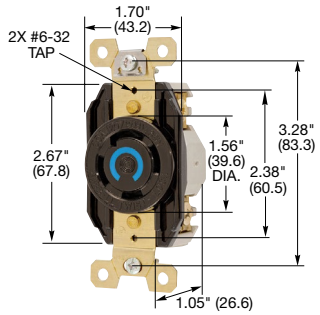
HBL2751



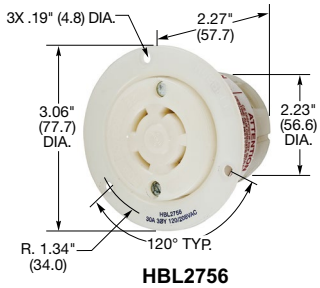
HBL2755



HBL2753



HBL2750



HBL2756

*Dimensions in Inches (mm)*

## Plugs

IP20 SUITABILITY








| Description | Cord Dia. | 30A 3ØY 120/208V AC NEMA L18-30P 3 HP | 30A 3ØY 277/480V AC NEMA L19-30P 10 HP | 30A 3ØY 347/600V AC NEMA L20-30P |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2751** | **HBL2761** | **HBL2771** |

*Note: See page B-53 for accessories.*

## Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2755** | **HBL2765** | **HBL2775** |

*Note: See page B-52 for accessories.*

## Connector Bodies

IP20 SUITABILITY








| Description | Cord Dia. | 30A 3ØY 120/208V AC NEMA L18-30R 3 HP | 30A 3ØY 277/480V AC NEMA L19-30R 10 HP | 30A 3ØY 347/600V AC NEMA L20-30R |
|---|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL2753** | **HBL2763** | **HBL2773** |

*Note: See page B-52 for accessories.*

## Single Flush Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Black nylon face, back and side wired. | **HBL2750** | **HBL2760** | **HBL2770** |

*Note: See page B-52 for accessories.*

## Flanged Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Nylon casing, back wired. | **HBL2756** | **HBL2766** | **HBL2776** |

*Note: See page B-52 for accessories.*
*See page B-69 for technical information on Twist-Lock devices.*

## 30 Amp, 480 and 600 Volts AC
## 2 Pole, 3 Wire, Grounding

IP20 SUITABILITY





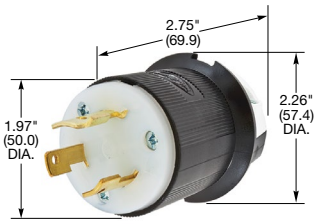





### Plugs

| Description | Cord Dia. | Catalog Number | 30A 240V AC NEMA L25-30P | 30A 480V AC NEMA L8-30P 5 HP | 30A 600V AC NEMA L9-30P |
|---|---|---|---|---|---|
| Black and white nylon. | .325"-.930" (8.25-24) | | **HBL2601** | **HBL2641** | **HBL2651** |

*Note: See page B-52 for accessories.*




**HBL2651**

### Flanged Inlets

| Description | Catalog Number | 30A 240V AC NEMA L25-30R | 30A 480V AC NEMA L8-30R 5 HP | 30A 600V AC NEMA L9-30R |
|---|---|---|---|---|
| Nylon casing, back wired. | | **HBL2605** | **HBL2645** | **HBL2655** |

*Note: See page B-52 for accessories.*




**HBL2655**

IP20 SUITABILITY





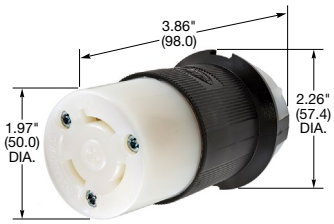





### Connector Bodies

| Description | Cord Dia. | Catalog Number | 30A 240V AC NEMA L25-30R | 30A 480V AC NEMA L8-30R 5 HP | 30A 600V AC NEMA L9-30R |
|---|---|---|---|---|---|
| Black and white nylon. | .325"-.930" (8.25-24) | | **HBL2603** | **HBL2643** | **HBL2653** |

*Note: See page B-52 for accessories.*




**HBL2653**

### Single Flush Receptacles

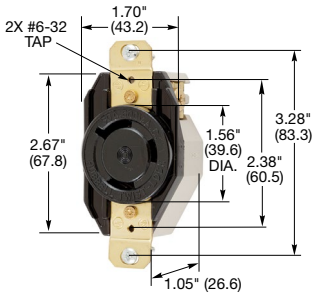
| Description | Catalog Number | | | |
|---|---|---|---|---|
| Black nylon face, back and side wired. | | **HBL2600** | **HBL2640** | **HBL2650** |

*Note: See page B-52 for accessories.*

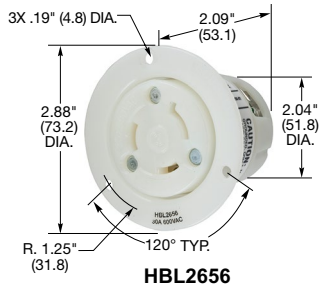
### Flanged Receptacles

| Description | Catalog Number | | | |
|---|---|---|---|---|
| Nylon casing, back wired. | | – | **HBL2646** | **HBL2656** |

*Note: See page B-52 for accessories.*
*See page B-69 for technical information on Twist-Lock devices.*




**HBL2650**




**HBL2656**

*Dimensions in Inches (mm)*

## Features and Benefits




### Switched Safety Enclosures

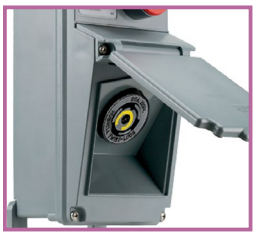
The Switched Twist-Lock® and Hubbellock® Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K Dust-tight requirements.

The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the OFF position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

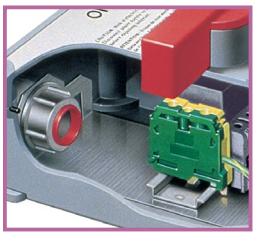
The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.



**Housing Design**

- Angled 20 or 30 amp Hubbell Twist-Lock receptacle provides low profile and helps control cable arc of bend
- Large receptacle gasketless door and hinge assembly
- Enclosure back is designed for top, bottom or back feed options



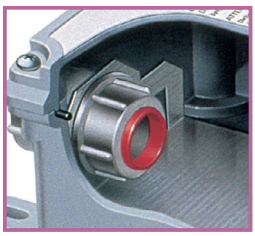
**Internal Design**

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch




**Safety**

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements



**Wiring**

- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components



**Installation**

- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

## Switched Twist-Lock® and Hubbellock® Enclosures

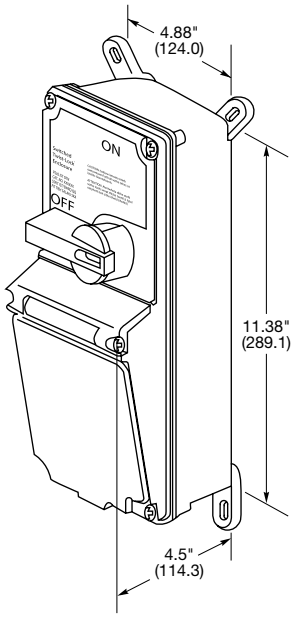
**UL Listed, CSA Certified**
**Type 3R and 12K Enclosure Rating**

**IP54**
SUITABILITY

### Switched Enclosure Ready for Twist-Lock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

| Description | Ratings | Catalog Number |
|---|---|---|
| Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately). | Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected. | **SETL3** |
| Auxiliary contact. | "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1** |
| Auxiliary contact. | "Break Before Main Break", 1 set of n/o contacts. | **HBLAC2** |




**SETL3**

### Switched Enclosure Complete with Twist-Lock® Receptacle

Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

| Description | Amps | Voltage | NEMA Config. | Horsepower | Switched Enclosure | Use Twist-Lock Plug |
|---|---|---|---|---|---|---|
| Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle. | 30 | 3Ø 240V AC | L15-30R | 3 | **SE2720A** | **HBL2721** |
| Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle. | 30 | 3Ø 480V AC | L16-30R | 10 | **SE2730A** | **HBL2731** |




**SE2720A**

### Switched Enclosure Ready for Hubbellock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

| Description | Ratings | Catalog Number |
|---|---|---|
| Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately). | Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected. | **SEHBL3** |
| Auxiliary contact. | "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1** |
| Auxiliary contact. | "Break Before Main Break", 1 set of n/o contacts. | **HBLAC2** |



**HBLAC1**



**HBLAC2**

### Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| For 30A switches. | **HBLRFT1**[Δ] |



**HBLRFT1**

*Note:* [Δ] *Package of 10 feet and 10 screws.*
*See page B-72 for technical information on Switched Safety Enclosures.*

*Dimensions in Inches (mm)*

## Features and Benefits




### Mechanical Interlock Switched Safety Enclosures

Hubbell offers the only mechanical interlock for Twist-Lock®. This new, unfused mechanical interlock for Watertight Safety-Shroud® Twist-Lock® integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned OFF. All these protective features are included in a compact Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

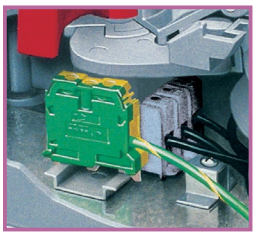
The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for Watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.



**Housing Design**

- Angled 20 or 30 amp Hubbell Watertight Safety-Shroud Twist-Lock receptacle provides watertight, low profile and mechanical interlock capabilities (ordered separately)
- Enclosure back is designed for top, bottom or back feed options



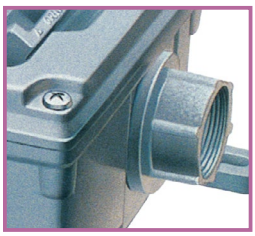
**Internal Design**

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



**Safety**

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements
- Heavy duty interlock linkage prevents make and break under load



**Wiring**

- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors



**Installation**

- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

## Mechanical Interlock Switched Safety Enclosures

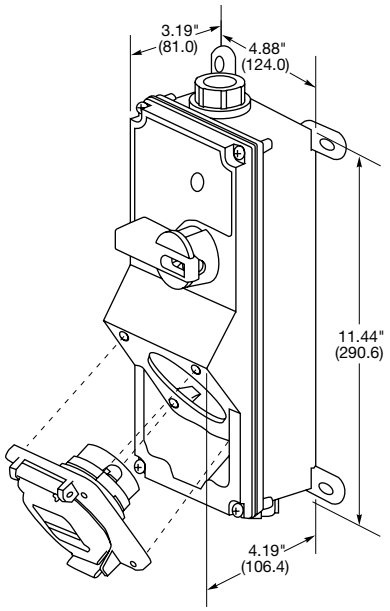
**UL Listed, CSA Certified TYPE 4, 4X and TYPE 12K Enclosure Rating**

**IP66**
SUITABILITY

### Mechanical Interlock Ready for Twist-Lock® Receptacle Addition

This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud Twist-Lock Receptacle.

| Description | Ratings | Catalog Number |
|---|---|---|
| Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles. | Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud Twist-Lock selected. Supplied with ¾" NPT Hub. | **HBLMITL** |




**HBLMITL**

### Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles:

| Rating | Voltage AC | NEMA Config. | Max. HP Rating* | Receptacle Catalog Number | Use Watertight Safety-Shroud Twist-Lock Plug |
|---|---|---|---|---|---|
| **20 Amp** | | | | | |
| 2 Pole, 3 Wire | 120 | L5-20 | 1 | **HBL2310SW** | **HBL2311SW** |
| | 208-240 | L6-20 | 2.5 | **HBL2320SW** | **HBL2321SW** |
| | 277 | L7-20 | 3 | **HBL2330SW** | **HBL2331SW** |
| 3 Pole, 4 Wire | 120/240 | L14-20 | 2.5 | **HBL2410SW** | **HBL2411SW** |
| | 240 3Ø | L15-20 | 5 (3@208V) | **HBL2420SW** | **HBL2421SW** |
| | 480 3Ø | L16-20 | 10 | **HBL2430SW** | **HBL2431SW** |
| 4 Pole, 5 Wire | 120/208 3ØY | L21-20 | 3 | **HBL2510SW** | **HBL2511SW** |
| **30 Amp** | | | | | |
| 2 Pole, 3 Wire | 120 | L5-30 | 1 | **HBL2610SW** | **HBL2611SW** |
| | 208-240 | L6-30 | 3 | **HBL2620SW** | **HBL2621SW** |
| 3 Pole, 4 Wire | 120/240 | L14-30 | 3 | **HBL2710SW** | **HBL2711SW** |
| | 240 3Ø | L15-30 | 7.5 | **HBL2720SW** | **HBL2721SW** |
| | 480 3Ø | L16-30 | 15 | **HBL2730SW** | **HBL2731SW** |
| | 600 3Ø | L17-30 | 15 | **HBL2740SW** | **HBL2741SW** |
| 4 Pole, 5 Wire | 120/208 3ØY | L21-30 | 7.5 | **HBL2810SW** | **HBL2811SW** |
| | 277/480 | L22-30 | 7.5 | **HBL2820SW** | **HBL2821SW** |
| | 347/600 | L23-30 | 7.5 | **HBL2830SW** | **HBL2831SW** |
| **30 Amp Reverse Service** | | | | | |
| 2 Pole, 3 Wire | 120 | L5-30 | 1 | **HBL2615SWR** | **HBL2613SR** |
| 3 Pole, 4 Wire | 120/240 | L14-30 | 3 | **HBL2715SWR** | **HBL2713SR** |
| 3 Pole, 4 Wire | 240 3Ø | L15-30 | 7.5 | **HBL2725SWR** | **HBL2723SR** |



**HBL2620SW**



**HBL2713SR**

### Auxiliary Contacts

| Description | Ratings | Catalog Number |
|---|---|---|
| Auxiliary contact. | "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1** |
| Auxiliary contact. | "Break Before Main Break", 1 set of n/o contacts. | **HBLAC2** |



**HBLAC1**



**HBLAC2**

### Replacement Parts

| Description | Catalog Number |
|---|---|
| Ground block. | **HBL30RGB** |
| Neutral block. | **HBL30RNB** |
| Replacement switch. | **HBLDS3RS** |



**HBL30RGB**



**HBL30RNB**

### Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| For 30A switches. | **HBLRFT1**Δ |



**HBLRFT1**

*Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.*
*ΔPackage of 10 feet and 10 screws.*
*See page B-73 for technical information on Mechanical Interlock Enclosures.*

*Dimensions in Inches (mm)*

## ADD-A-SHROUD® and Adapters



### Safety-Shroud® Twist-Lock® – 20 and 30 Amp

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

### Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.



**HBLSS3**

| Rating | Voltage AC | NEMA Config. Reference Number | Plug Catalog Number | Add-A-Shroud Catalog Number |
|---|---|---|---|---|
| 20A, 2 Pole 3 Wire Grounding | 125V | L5-20 | **HBL2311** | **HBLSS3** |
| | 250V | L6-20 | **HBL2321** | **HBLSS3** |
| | 277V AC | L7-20 | **HBL2331** | **HBLSS3** |
| | 480V AC | L8-20 | **HBL2341** | **HBLSS3** |
| | 600V AC | L9-20 | **HBL2351** | **HBLSS3** |
| 30A, 2 Pole 3 Wire Grounding | 125V | L5-30 | **HBL2611** | **HBLSS3** |
| | 250V | L6-30 | **HBL2621** | **HBLSS3** |
| | 277V AC | L7-30 | **HBL2631** | **HBLSS3** |
| | 480V AC | L8-30 | **HBL2641** | **HBLSS3** |
| | 600V AC | L9-30 | **HBL2651** | **HBLSS3** |

### Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.



**HBLSS45**

| Rating | Voltage AC | NEMA Config. Reference Number | Plug Catalog Number | Add-A-Shroud Catalog Number |
|---|---|---|---|---|
| 20A, 3 Pole 4 Wire Grounding | 125/250V AC | L14-20 | **HBL2411** | **HBLSS45** |
| | 3Ø 250V AC | L15-20 | **HBL2421** | **HBLSS45** |
| | 3Ø 480V AC | L16-20 | **HBL2431** | **HBLSS45** |
| 30A, 3 Pole 4 Wire Grounding | 125/250V AC | L14-30 | **HBL2711** | **HBLSS45** |
| | 3Ø 250V AC | L15-30 | **HBL2721** | **HBLSS45** |
| | 3Ø 480V AC | L16-30 | **HBL2731** | **HBLSS45** |
| | 3Ø 600V AC | L17-30 | **HBL2741** | **HBLSS45** |
| 20A, 4 Pole 5 Wire Grounding | 3ØY 120/208V AC | L21-20 | **HBL2511** | **HBLSS45** |
| | 3ØY 277/480V AC | L22-20 | **HBL2521** | **HBLSS45** |
| | 3ØY 347/600V AC | L23-20 | **HBL2531** | **HBLSS45** |
| 30A, 4 Pole 5 Wire Grounding | 3ØY 120/208V AC | L21-30 | **HBL2811** | **HBLSS45** |
| | 3ØY 277/480V AC | L22-30 | **HBL2821** | **HBLSS45** |
| | 3ØY 347/600V AC | L23-30 | **HBL2831** | **HBLSS45** |



**WTSS234**



**WTSS234SS**



**WTSS310**



**WTSS310SS**

### Watertight Safety Shroud - Deluxe Cord Grip and Metallic Liquidtight Conduit Fitting Adapters

#### Adapter for Use with ¾" NPT Fittings

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| 3 Wire, Anodized Aluminum | .250" - .750" | **WTSS234** |
| 3 Wire, Stainless Steel | .250" - .750" | **WTSS234SS** |
| 4 and 5 Wire, Anodized Aluminum | .250" - .750" | **WTSS334** |
| 4 and 5 Wire, Stainless Steel | .250" - .750" | **WTSS334SS** |

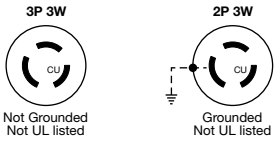
#### Adapter for Use with 1" NPT Fittings

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| 4 and 5 Wire, Anodized Aluminum | .375" - 1.00" | **WTSS310** |
| 4 and 5 Wire, Stainless Steel | .375" - 1.00" | **WTSS310SS** |

## Non-NEMA 10 Amp, 250 Volts, 15 Amp 125 Volts
## 3 Pole, 3 Wire, Non-Grounding and
## 2 Pole, 3 Wire, Grounding

For Replacement Use Only

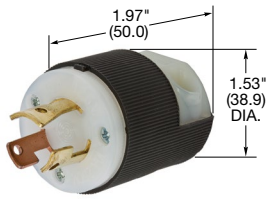
**IP20** SUITABILITY




### Plugs

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. Multiple drive screws. | 230"-.720" (5.8-18.3) | **HBL7567C** | – |
| Yellow and white nylon. Multiple drive screws. | 230"-.720" (5.8-18.3) | **HBL7567CY** | – |

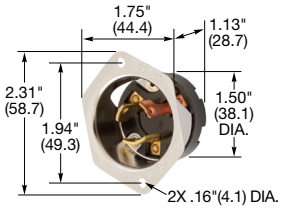
*Note: See page B-51 for accessories.*




**HBL7567C**

### Flanged Inlets

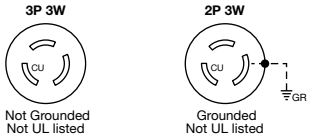
| Description | Catalog Number | |
|---|---|---|
| Stainless steel casing. | **HBL7556** | **HBL7556G** |




**HBL7556**

For Replacement Use Only

**IP20** SUITABILITY




### Connector Bodies

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Insulgrip connector, black and white nylon. Multiple drive screws. | 230"-.720" (5.8-18.3) | **HBL7565C** | – |
| Insulgrip connector, yellow and white nylon. Multiple drive screws. | 230"-.720" (5.8-18.3) | **HBL7565CY** | – |
| Black phenolic. | .296"-.625" (7.5-15.9) | **HBL7555** | **HBL7555G** |

*Note: See page B-51 for accessories.*

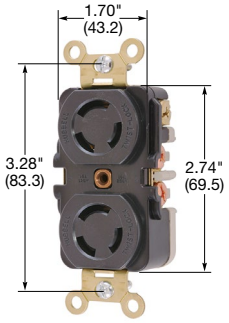



**HBL7565C**

### Receptacles

| Description | Catalog Number | |
|---|---|---|
| Duplex, black RTP*, back and side wired. | **HBL7580** | **HBL7580G** |
| Single, black phenolic, back and side wired. | **HBL7582** | **HBL7582G** |

*Note: See page B-50 for accessories.*

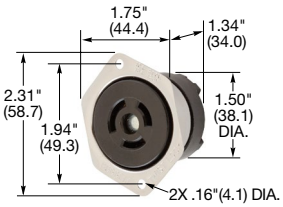



**HBL7580**

### Flanged Receptacles

| Description | Catalog Number | |
|---|---|---|
| Stainless steel casing. | **HBL7557** | **HBL7557G** |

*Note: *RTP is an abbreviation for reinforced thermoplastic.*
*The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.*




**HBL7557**

***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

*Dimensions in Inches (mm)*

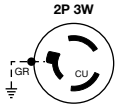
## Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
## 2 Pole, 3 Wire, Grounding and
## 3 Pole, 3 Wire, Non-Grounding




**HBL9965C**

For Replacement Use Only

**IP20**
SUITABILITY




**20A 250V**
**Non-NEMA**
Not UL Listed




**20A 125/250V**
**Non-NEMA**
Not UL Listed

### Plugs

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL9965GCB** | **HBL9965C** |
| Corrosion resistant, yellow nylon. | .360"-.930" (9-24) | **–** | **HBL99CM65C** |

*Note: See page B-52 for accessories.*

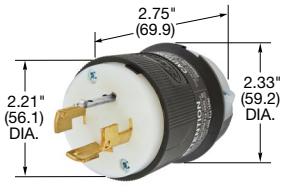



**HBL3325C**

### Flanged Inlets

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **–** | **HBL3325C** |

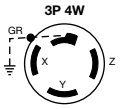
*Note: See page B-52 for accessories.*



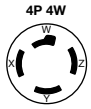

**HBL7411C**

For Replacement Use Only

**IP20**
SUITABILITY




**20A 3Ø 250V AC**
**Non-NEMA**
Not UL Listed

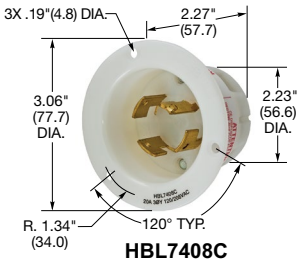



**20A 3Ø Y**
**120/208V AC**
**Non-NEMA**
Not UL Listed

### Plugs

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL7411GCB** | **HBL7411C** |

*Note: See page B-52 for accessories.*




**HBL7408C**

### Flanged Inlets

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **–** | **HBL7408C** |

*Note: See page B-52 for accessories.*
*The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.*

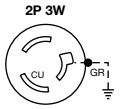
***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

*Dimensions in Inches (mm)*

## Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
## 2 Pole, 3 Wire, Grounding and
## 3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

**IP20**
SUITABILITY




**20A 250V**
**Non-NEMA**
Not UL Listed




**20A 125/250V**
**Non-NEMA**
Not UL Listed

### Connector Bodies

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL7314GCB** | **HBL7314C** |
| Corrosion resistant, yellow nylon. | .360"-.930" (9-24) | **–** | **HBL73CM14C** |

*Note: See page B-52 for accessories.*

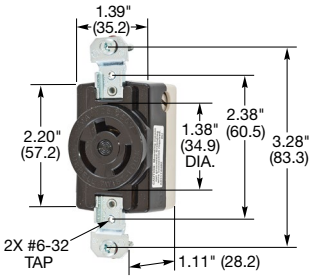



**HBL7314C**

### Single Flush Receptacles

| Description | Catalog Number | |
|---|---|---|
| Black nylon face, back wired. | **HBL7310BG** | **HBL7310B** |

*Note: See page B-52 for accessories.*

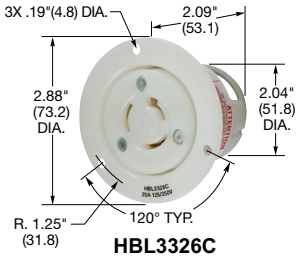



**HBL7310B**

### Flanged Receptacles

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **–** | **HBL3326C** |

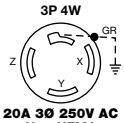
*Note: See page B-52 for accessories.*



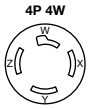

**HBL3326C**

For Replacement Use Only

**IP20**
SUITABILITY




**20A 3Ø 250V AC**
**Non-NEMA**
Not UL Listed




**20A 3Ø Y**
**120/208V AC**
**Non-NEMA**
Not UL Listed

### Connector Bodies

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL7413GCB** | **HBL7413C** |

*Note: See page B-52 for accessories.*

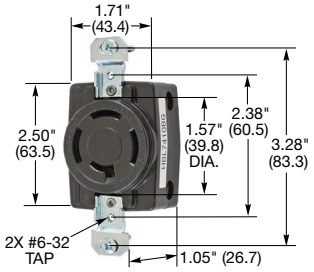



**HBL7413GCB**

### Single Flush Receptacles

| Description | Catalog Number | |
|---|---|---|
| Black thermoset, back wired. | **HBL7410BG** | **HBL7410B** |
| Mounted on a 4" (101.6) round metal cover. | **–** | **HBL7417B** |

*Note: See page B-52 for accessories.*

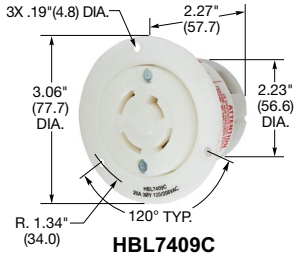



**HBL7410BG**

### Flanged Receptacles

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **–** | **HBL7409C** |

*Note: See page B-52 for accessories.*
*The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.*




**HBL7409C**

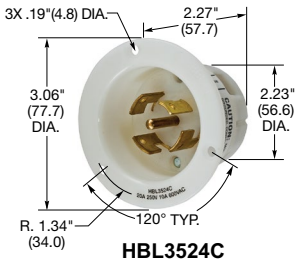
***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

*Dimensions in Inches (mm)*

## Non-NEMA 20 Amp, 250 Volts, 10 Amp, 600 Volts AC
## 4 Pole, 5 Wire, Grounding




HBL3521C




HBL3524C

For Replacement Use Only

IP20
SUITABILITY




20A 250V
10A 600V AC
Non-NEMA
UL/CSA

## Plugs

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL3521C** |
| Black and white nylon, spring termination | | **HBL3521CST** |

*Note: See page B-52 for accessories.*

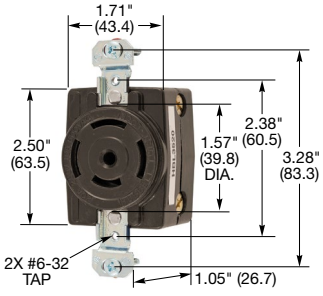
## Flanged Inlets

| Description | Catalog Number |
|---|---|
| Insulgrip nylon casing, back wired. | **HBL3524C** |

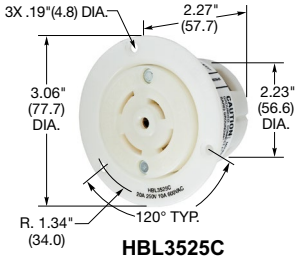
*Note: See page B-52 for accessories.*




HBL3523C




HBL3520




HBL3525C

*Dimensions in Inches (mm)*

IP20
SUITABILITY




20A 250V
10A 600V AC
Non-NEMA
UL/CSA

## Connector Bodies

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL3523C** |
| Black and white nylon, spring termination | | **HBL3523CST** |

*Note: See page B-52 for accessories.*

## Single Flush Receptacles

| Description | Catalog Number |
|---|---|
| Black thermoset, back wired. | **HBL3520** |

*Note: See page B-52 for accessories.*

## Flanged Receptacles

| Description | Catalog Number |
|---|---|
| Insulgrip nylon casing, back wired. | **HBL3525C** |

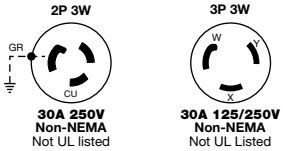
*Note: See page B-52 for accessories.*

***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

## Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
## 2 Pole, 3 Wire, Grounding and
## 3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

**IP20**
SUITABILITY




### Insulgrip® Plugs

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL3331GC** | **HBL3331C** |

*Note: See page B-52 for accessories.*

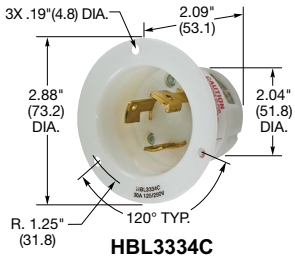



**HBL3331GC**

### Insulgrip® Flanged Inlets

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | – | **HBL3334C** |

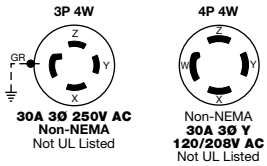
*Note: See page B-52 for accessories.*




**HBL3334C**

For Replacement Use Only

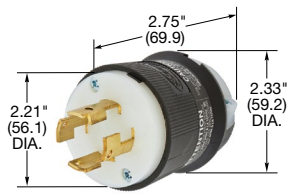
**IP20**
SUITABILITY




### Insulgrip® Plugs

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL3431GCB** | **HBL3431C** |

*Note: See page B-52 for accessories.*
*The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.*




**HBL3431C**

***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

*Dimensions in Inches (mm)*

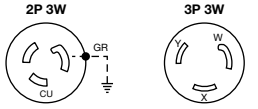
## Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC
## 2 Pole, 3 Wire, Grounding and
## 3 Pole, 3 Wire, Non-Grounding




HBL3333GC

For Replacement Use Only

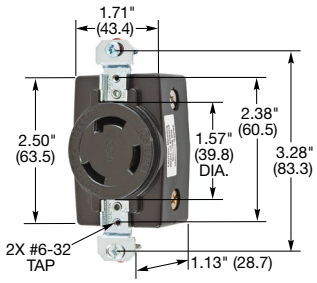
**IP20**
SUITABILITY




### Insulgrip® Connector Bodies

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .360"-.930" (9-24) | **HBL3333GC** | **HBL3333C** |

*Note: See page B-52 for accessories.*




HBL3330G

### Single Flush Receptacles

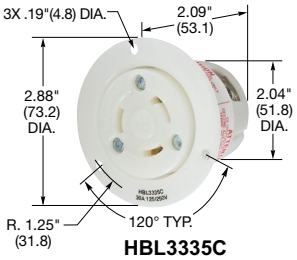
| Description | Catalog Number | |
|---|---|---|
| Black thermoset, back wired. | **HBL3330G** | **HBL3330** |

*Note: See page B-52 for accessories.*

### Insulgrip® Flanged Receptacles

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | – | **HBL3335C** |

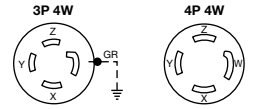
*Note: See page B-52 for accessories.*




HBL3335C

For Replacement Use Only

**IP20**
SUITABILITY




### Insulgrip® Connector Bodies

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .350"-1.150" (9-29) | **HBL3433GCB** | **HBL3433C** |

*Note: See page B-52 for accessories.*

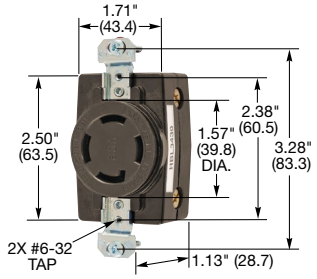



HBL3433C

### Single Flush Receptacles

| Description | Catalog Number | |
|---|---|---|
| Black thermoset, back wired. | **HBL3430G** | **HBL3430** |

*Note: See page B-52 for accessories.*




HBL3430

### Insulgrip® Flanged Receptacles

| Description | Catalog Number | |
|---|---|---|
| Nylon casing, back wired. | **HBL3435CM2** | – |

*Note: See page B-52 for accessories.*
*The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.*

*Dimensions in Inches (mm)*

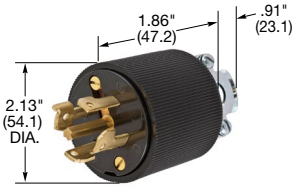
***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

## Non-NEMA 30 Amp, 250 Volts DC Max. and 600 Volts AC Max. 50 - 400Hz
## Non-NEMA 20 Amp, 3ØY 120/208 Volts AC 400Hz

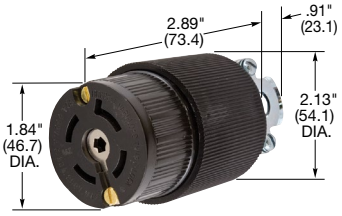
### Variload® Twist-Lock® Devices

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

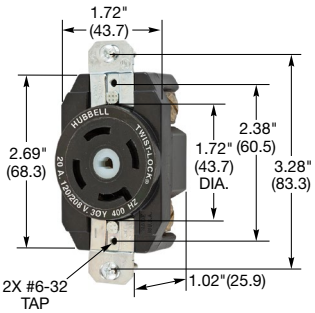
Prior to NEMA configuration standardization the solution was "Variload® Twist-Lock®" devices with four non-interchangeable center pin and slot configurations that can be assigned within the same premises to circuits of same voltage, frequency and supply (AC or DC), in accordance with NEC® 406.4(F) and 406.8 and with CE Code, Part I, Rule 26-700(3).



HBL45315



HBL45335



HBL45305

### 30A, 250V DC Max. and 600V AC Max. 50 - 400Hz

| Center Pin Configuration | Plugs | Flanged Inlets | Connector Bodies | Receptacles |
|---|---|---|---|---|
| | **HBL45115** | – | **HBL45135** | **HBL45105** |
| | **HBL45215** | – | **HBL45235** | **HBL45205** |
| | **HBL45315** | – | **HBL45335** | **HBL45305** |

### 20A 3ØY, 120/208V AC Only, 400Hz

| Center Pin Configuration | Plugs | Flanged Inlets | Connector Bodies | Receptacles |
|---|---|---|---|---|
| | **HBL45915†** | **HBL45985CL†** | **HBL45935†** | **HBL45905†** |

*Note: †UL Listed only.*

### Receptacle Wallplates

| Description | Single Receptacle with Face Dia. 1.74" (44.2) Catalog Number |
|---|---|
| Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish. | **SS725** |


SS725

**IP55***
SUITABILITY

### Weatherproof Boots

| Description | Catalog Number |
|---|---|
| Seal-Tite® black elastomer for Variload® plugs. | **HBL6027**** |
| Seal-Tite® black elastomer for Variload® connector bodies. | **HBL6028**** |

*Note: *When installed and used properly with plug and connector body combinations.*
*** Weatherproof boots not UL Listed, nor CSA Certified.*


HBL6027


HBL6028

***CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.***

*Dimensions in Inches (mm)*

## Accessories for 15 Amp 2 and 3 Wire Devices



P8



SS7

### Wallplates, 1-Gang

| Description | Color | Duplex Receptacles | Single Receptacles with Face Dia. 1.40" (35.6) |
|---|---|---|---|
| Nylon, smooth. | Brown<br>Ivory | **P8**<br>**P8I** | **P7**<br>**P7I** |
| Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish. | | **SS8** | **SS7** |
| Stainless steel 430, .035 in. (0.9), horizontal brushed finish. | | **SS8L** | **SS7L** |
| Brass .04 in. (1.0), horizontal brushed finish. | | **SB8** | **SB7** |
| Aluminum .05 in. (1.3), horizontal brushed finish. | | **SA8** | **SA7** |



HBL5206WO

IP44
SUITABILITY

### Weatherproof Covers



HBL5221



HBL7423WO

| Description | Duplex Receptacles | Single Receptacles with Face Dia. 1.40" (35.6) |
|---|---|---|
| Cast aluminum, for standard horizontal box mount. | **HBL5205WO** | – |
| Same as above except FS/FD box mount. | **HBL5206WO** | – |
| Cast aluminum vertical FS/FD box mount. | – | **HBL7420** |
| Gray thermoplastic, vertical standard box mount, corrosion resistant. | **HBL5222** | – |
| Same as above except yellow. | **HBL52CM22** | – |
| Gray thermoplastic, vertical FS/FD box mount, corrosion resistant. | **HBL5221** | **HBL7423WO** |
| Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant. | **HBL52CM21** | **HBL74CM23WO** |
| White thermoplastic, vertical FS/FD box mount, corrosion resistant. | **HBL52CM21W** | – |



WP1

IP44
SUITABILITY

### Weatherproof Covers for 15A Nylon Flanged Receptacles and Inlets

| Description | Duplex Receptacles | Single Receptacles with Face Dia. 1.40" (35.6) |
|---|---|---|
| Gray thermoplastic, corrosion resistant. | – | **WP1** |

*Note: All weatherproof covers listed above are UL Listed for wet and damp locations with cover closed. Those with suffix WO are UL Listed with cover open.*
*See page O-21 for additional information on weatherproof covers.*

*Dimensions in Inches (mm)*

## Accessories for 15 Amp 2 and 3 Wire Devices

- Tinted lid is aesthetically pleasing in any location. High-impact, polycarbonate while-in-use cover will not rust or corrode; cover is NEMA 3R rated
- Compact 2-gang design



HBLPKL520

- Locking receptacle prevents unintentional disconnection of mating pump plug

**Pool Kit Contains:**

- Heavy duty, industrial grade locking receptacle NEMA L5-20, 20A 125V
- Single-pole switch (20A, 120-277V AC)
- Two gang, 2 inch deep die-cast aluminum weatherproof box with (4) ¾ inch threaded outlets
- Two gang, weatherproof while-in-use cover
- Includes mounting hardware, gasket, wire connector and (3) closure plugs
- Complete assembly instructions

### Pool Pump Kit

| Description | Catalog Number |
|---|---|
| Pool pump receptacle kit. | **HBLPKL520** |

### Weatherproof, Seal-Tite®, Triple Seal Boots for 15A Insulgrip® Devices

IP55* SUITABILITY

| Description | Catalog Number |
|---|---|
| Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet. | **HBL6023** |
| Same as above except yellow elastomer. | **HBL60CM23** |
| Black elastomer boot for connector bodies when used in cord sets. | **HBL6024** |
| Same as above except yellow elastomer. | **HBL60CM24** |

*Note: *When installed and used properly with plug and connector body combinations.*



HBL6023



HBL6024



HBL7529A

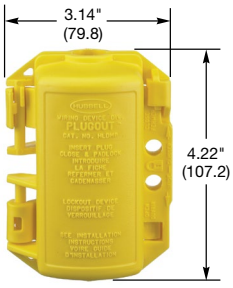
### Closure Cover

| Description | Catalog Number |
|---|---|
| For use with 3 wire 15A Twist-Lock flush or flanged receptacles. | **HBL7529A** |

### PLUGOUT® Lockout Devices

| Description | Catalog Number |
|---|---|
| Lockout device for 15A and 20A straight blade plugs. | **HLDMP** |
| Lockout device for attachable 20 and 30A plugs, straight body or angle types, with or without weatherproof covers. | **HLD** |

*Note: See section BB for additional information on PLUGOUT Lockout devices.*




HLDMP

*Dimensions in Inches (mm)*

## Accessories for 20 and 30 Amp 3, 4 and 5 Wire Devices



P720BK



SS720

### Wallplates, 1-Gang

| Description | Color | Single Receptacles with Face Dia. 1.60" (40.6) |
|---|---|---|
| Nylon, smooth. | Black | **P720BK** |
| Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish. | | **SS720** |
| Brass .04 in. (1.0), horizontal brushed finish. | | **SB720** |

### Weatherproof Covers

IP44 SUITABILITY

| Description | Single Receptacles with Face Dia. 1.60" (40.6) |
|---|---|
| Cast aluminum, for FS/FD box mounting. | **HBL7420** |
| Gray thermoplastic, for FS/FD box mounting, corrosion resistant. | **HBL7425WOA** |
| Same as above except yellow. | **HBL74CM25WOA** |



HBL7425WOA

### Weatherproof Covers for Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY

| Description | Single Receptacles with Face Dia. 1.60" (40.6) |
|---|---|
| Gray thermoplastic, corrosion resistant. | **WP2** |

*Note: Weatherproof covers are UL Listed for wet and damp location with cover closed. Those with suffix WOA are UL Listed with cover open.*
*See page O-21 for additional information on weatherproof covers.*

### Closure Cover for 3 Wire Flanged Inlets

| Description | Catalog Number |
|---|---|
| Rubber closure plug. | **HBL2899** |

*Note: Closure cover not UL Listed, CSA Certified.*



HBL2899

### Twist-Lock® Circuit Testers

| Description | Rating | 20 Amp Configuration | 20 Amp Catalog Number | 30 Amp Configuration | 30 Amp Catalog Number |
|---|---|---|---|---|---|
| 3-Phase Circuit Tester | 3Ø 120/208V AC Min. Volt.: 90V AC | NEMA L21-20P | **HBL3PT2511** | NEMA L21-30P | **HBL3PT2811** |
| Circuit Tester | 125V | NEMA L5-20P | **HBLT2311** | NEMA L5-30P | **HBLT2611** **HBLT26CM11** (Marine) |
| | 250V | NEMA L6-20P | **HBLT2321** | NEMA L6-30P | **HBLT2621** |
| | 277V | NEMA L7-20P | **HBLT2331** | | |
| | 125/250V | NEMA L14-20P | **HBLT2411** | NEMA L14-30P | **HBLT2711** |
| | 347V | NEMA L24-20P | **HBLT3721** | | |
| | 128/208V AC | Non-NEMA | **HBLT3521** | | |



HBL3PT2511



HBLT26CM11

*Note: Testers in other NEMA configurations can be developed upon request.*

### Single Flush Receptacles

| Description | Catalog Number |
|---|---|
| Removal Bridge, for use with all Twist-Lock Edge Series receptacles | **HBLSTRB** |



HBLSTRB

*Dimensions in Inches (mm)*

## Accessories for 20 and 30 Amp 3, 4 and 5 Wire Devices

### Insulgrip® Plug and Connector Body Latching Kit

The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.



### Insulgrip® Latching Kit

| Description | For 3 Wire Devices | For 4 & 5 Wire Devices |
|---|---|---|
| For all 20A and 30A Twist-Lock Insulgrip plugs and connectors. | **SK2** | **SK3** |



**SK2**

## Valise®

IP55* SUITABILITY

### Weatherproof, Seal-Tite®, Triple Seal Boots

| Description | For 3 Wire Devices | For 4 & 5 Wire Devices |
|---|---|---|
| Yellow Seal-Tite® elastomer triple seal cover for use with Valise plugs when used in cord set and Valise connector bodies when used with flanged inlet. | **HBL60CM31V** | – |
| Yellow Seal-Tite® elastomer triple seal cover for use with Valise connector bodies. | **HBL60CM32V** | – |

*Note: *When installed and used properly with plug and connector body combinations.*



**HBL60CM31V**

## Insulgrip®

IP55* SUITABILITY

### Weatherproof, Seal-Tite®, Triple Seal Boots

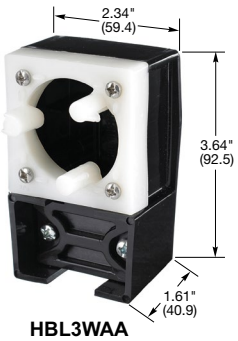
| Description | For 3 Wire Devices | For 4 & 5 Wire Devices |
|---|---|---|
| Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets. | **HBL6031** | **HBL6035** |
| Same as above except yellow. | **HBL60CM31** | **HBL60CM35** |
| Black elastomer boot for connector bodies when used in a cord set. | **HBL6032** | **HBL6036** |
| Same as above except yellow. | **HBL60CM32** | **HBL60CM36** |



**HBL6032**

### Angle Adapter

| Description | For 3 Wire Devices | For 4 & 5 Wire Devices |
|---|---|---|
| Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"-.930" (8.3-24). | **HBL3WAA** | **HBL45WAA** |




**HBL3WAA**

### PLUGOUT® Lockout Devices

| Description | For 3 Wire Devices | For 4 & 5 Wire Devices |
|---|---|---|
| Lockout device for attachable 20 and 30A locking plugs, straight body or angle types, with or without weatherproof covers. | **HLD** | **HLD** |
| Lockout device for 20 and 30A 3 wire angle plugs and watertight Safety-Shroud® Twist-Lock® plugs. | **HLD2** | **HLD2** |

*Note: See section BB for additional information on PLUGOUT Lockout devices.*
**When installed and used properly with plug and connector body combinations.*




**HLD**

For quick visual identification of circuits or configurations.

### Colored Cord Clamps*

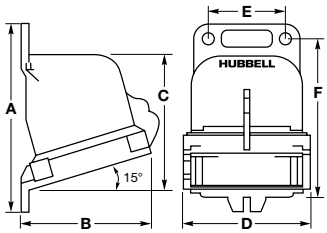
| Description | Color | For 3 Wire Devices | For 4 & 5 Wire Devices |
|---|---|---|---|
| For use with 20A and 30A Insulgrip® Twist-Lock® Plugs and Connectors. Cord diameter: 3 wire .350"-.930" (9-24), 4 & 5 wire .350" – 1.150" (9-29) | Black | **HBLTL2CCBK** | **HBLTL3CCBK** |
| | Blue | **HBLTL2CCBL** | **HBLTL3CCBL** |
| | Brown | **HBLTL2CCBR** | **HBLTL3CCBR** |
| | Dark Blue | **HBLTL2CCDB** | **HBLTL3CCDB** |
| | Green | **HBLTL2CCGR** | **HBLTL3CCGR** |
| | Orange | **HBLTL2CCOR** | **HBLTL3CCOR** |
| | Red | **HBLTL2CCRD** | **HBLTL3CCRD** |
| | Teal | **HBLTL2CCTL** | **HBLTL3CCTL** |
| | White | **HBLTL2CCWH** | **HBLTL3CCWH** |
| | Yellow | **HBLTL2CCYL** | **HBLTL3CCYL** |

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

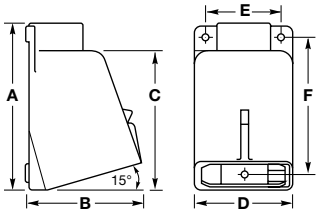


*Dimensions in Inches (mm)*

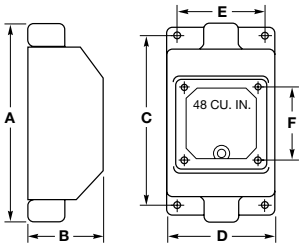
## Safety-Shroud® Twist-Lock® Accessories



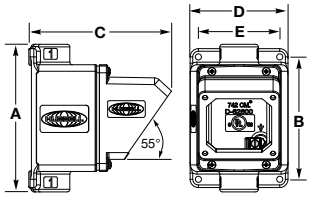

Non-Metallic Angle Box



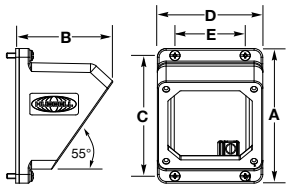

Metallic Angle Box




Metallic Feed Thru Box




AB203055




AA203055



HBL2030AP



AA2030PS

*Dimensions in Inches (mm)*

### 15° Angle Non-Metallic Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | 1" | 5.67" (144.0) | 4.44" (112.8) | 4.05" (102.9) | 3.91" (99.3) | 2.35" (59.7) | 4.92" (125.0) | 30.00" | **BB2030N** |

*Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.*

### 15° Angle Metallic Back Boxes

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | ¾" | 5.13" (130.2) | 4.00" (101.6) | 4.19" (106.4) | 3.75" (95.3) | 3.00" (76.2) | 4.00" (101.6) | 30.00" | **BB201W** |
| | 1" | 5.13" (130.2) | 4.00" (101.6) | 4.19" (106.4) | 3.75" (95.3) | 3.00" (76.2) | 4.00" (101.6) | 30.00" | **BB301W** |

### Metallic Feed Thru Back Boxes

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | ¾" | 8.25" (209.6) | 3.06" (77.8) | 7.14" (181.4) | 4.50" (114.3) | 3.75" (95.3) | 3.13" (79.5) | 48.00" | **FT202W** |
| | 1" | 8.25" (209.6) | 3.06" (77.8) | 7.14" (181.4) | 4.50" (114.3) | 3.75" (95.3) | 3.13" (79.5) | 48.00" | **FT302W** |

*Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).*

### 55° Angle Metallic Adapter and Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | 1" | 6.80" (172.4) | 5.63" (142.9) | 6.60" (167.0) | 4.50" (114.3) | 3.74" (95.0) | - | 45.27" | **AB203055** |

### 55° Angle Metallic Adapter with Grounding Lug

| Description | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | 4.89" (172.4) | 3.33" (167.0) | 4.29" (142.9) | 3.75" (114.3) | 2.50" (95.0) | - | 25.00" | **AA203055** |

### Straight Watertight Wall Box Adapter

| Description | Catalog Number |
|---|---|
| Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes. | **HBL2030AP** |

### Non-Watertight Angle Wall Box Adapter

| Description | Catalog Number |
|---|---|
| Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4 11/16" square). | **AA2030PS** |

## Features and Benefits

### 50 Amp Plugs and Connector Bodies

Hubbell's 50 amp Twist-Lock® devices feature a heavy duty design built for heavy duty applications. These Hubbell 50 amp Twist-Lock plugs and connector bodies are built to go where you need power, even in some of the harshest environments.

On the outside, 50 amp plugs and connectors are made of super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. That is why we will never add a feature that compromises performance.

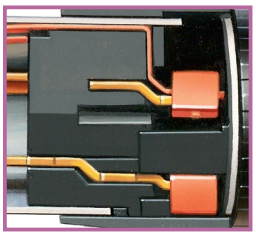






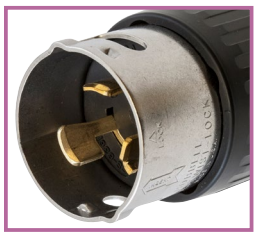
**Housing Design**

- Housing assembly latch slotted to fit standard flat-blade screwdriver providing secure assembly and fast disassembly for wiring
- Super tough nylon housing offers better impact qualities



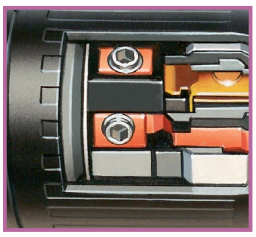
**Internal Design**

- Thermoplastic polyester interior provides heat resistance and impact strength
- 6/6 nylon nose – thermoplastic polyester terminal cover provides heat resistance in terminal area and impact strength of nose piece



**Safety**

- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout tagout regulation 29 CFR 1910.147



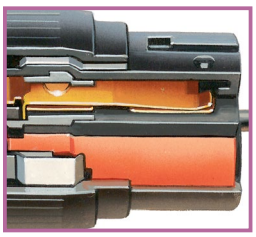
**Terminals**

- Box terminal with hex socket threaded slug is superior because it permits high clamping pressure on conductors without damaging strands



**Installation**

- Three-piece thermoplastic cord clamp assembly with stainless steel fast lead screws provides a more consistent, durable grip. Sealed cable entry keeps out moisture and dust



**Contacts**

- One-piece grounding contact on 4-wire devices provides a more reliable grounding system for a safer device

## 50 Amp, 125, 250 Volts and 480 Volts AC




CS8265C

IP20 SUITABILITY




50A 125V UL/CSA




50A 250V UL/CSA

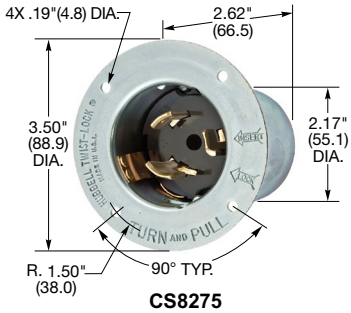



50A 480V AC UL/CSA

### Plugs

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Nylon housing, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | **CS6361C** | **CS8265C** | **CS8465C** |

*Note: See page B-60 for accessories.*




CS8275

### Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Zinc plated steel casing, thermoset interior. | **CS6377** | **CS8275** | **CS8475†** |

*Note: †Not CSA Certified.*




CS8264C

IP20 SUITABILITY




50A 125V UL/CSA




50A 250V UL/CSA

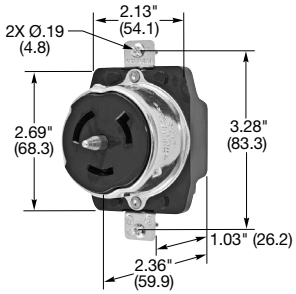



50A 480V AC UL/CSA

### Connector Bodies

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Nylon housing, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | **CS6360C** | **CS8264C** | **CS8464C** |

*Note: See page B-60 for accessories.*




CS8269

### Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Black phenolic. | **CS6370** | **CS8269** | **CS8469†** |

*Note: See page B-60 for accessories.*
*†Not CSA Certified.*

*Dimensions in Inches (mm)*

## 50 Amp, 125/250, 3Ø 250 Volts and 3Ø 480 Volts AC

## Plugs

| Description | Cord Dia. | IP20 SUITABILITY | 50A 125/250V AC UL/CSA | 50A 3Ø 250V AC UL/CSA | 50A 3Ø 480V AC UL/CSA |
|---|---|---|---|---|---|
| Nylon cover, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | Catalog Number | **CS6365C** | **CS8365C** | **CS8165C** |

*Note: See page B-60 for accessories.*

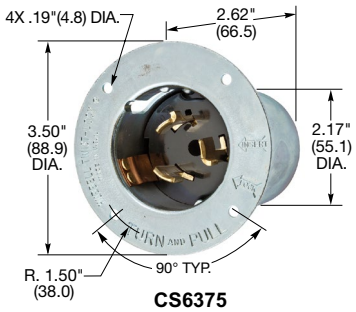


**CS6365C**

## Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Zinc plated steel casing, thermoset interior. | **CS6375** | **CS8375** | **CS8175** |
| Zinc plated steel casing, thermoset interior with lift cover. | **CS6375M2** | – | – |
| Gray Valox® housing and flange. | **HBL6375S*** | – | – |

*Note: *Type 3R, (Not shown).*

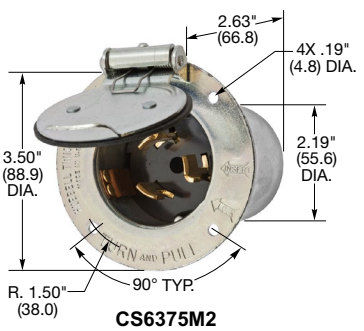


**CS6375**

## Connector Bodies

| Description | Cord Dia. | IP20 SUITABILITY | 50A 125/250V AC UL/CSA | 50A 3Ø 250V AC UL/CSA | 50A 3Ø 480V AC UL/CSA |
|---|---|---|---|---|---|
| Nylon cover, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | Catalog Number | **CS6364C** | **CS8364C** | **CS8164C** |
| Insulgrip® Connector with conduit adapter. Capable of accepting metallic or non-metallic conduit fittings. | ½" NPT Size<br>¾" NPT Size<br>1" NPT Size | | –<br>–<br>– | **CS8364CA05**<br>**CS8364CA34**<br>**CS8364CA10** | –<br>–<br>– |

*Note: See page B-60 for accessories.*



**CS6375M2**

## Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Black phenolic. | **CS6369** | **CS8369** | **CS8169** |

*Note: See page B-60 for accessories.*

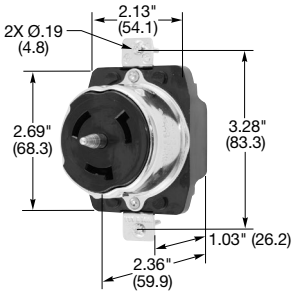


**CS6364C**



**CS8364CA05**


**CS8364CA05**
(Rear View)



**CS6369**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

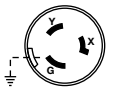
*Dimensions in Inches (mm)*

## 50 Amp, 250 Volts DC and 600 Volts AC




HBL3763C

IP20
SUITABILITY

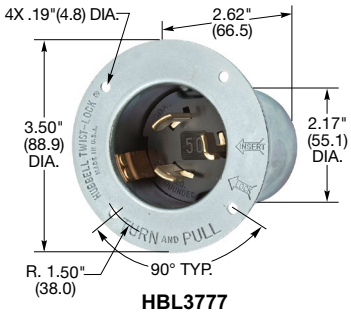



50A 250V DC
50A 600V AC

## Plugs

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Nylon housing, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | **HBL3763C** |

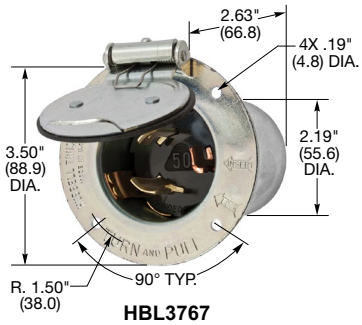
*Note: See page B-60 for accessories.*




HBL3777

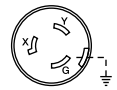
## Flanged Inlets

| Description | Catalog Number |
|---|---|
| Zinc plated steel casing, thermoset interior. | **HBL3777** |
| Zinc plated steel casing, thermoset interior with lift cover. | **HBL3767** |




HBL3767

IP20
SUITABILITY




50A 250V DC
50A 600V AC

## Connector Bodies

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Nylon housing, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | **HBL3762C** |

*Note: See page B-60 for accessories.*

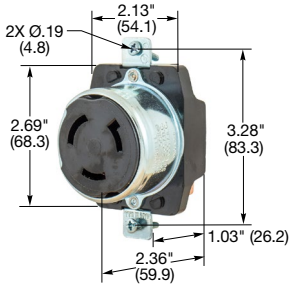
## Receptacles

| Description | Catalog Number |
|---|---|
| Black phenolic. | **HBL3771** |

*Note: See page B-60 for accessories.*




HBL3762C




HBL3771

*Dimensions in Inches (mm)*

**50 Amp, 250 Volts DC and 600 Volts AC**

## Plugs




**50A 600V AC**
**50A 250V DC**




**50A 600V AC**
**50A 250V DC**

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Nylon cover, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | **HBL3765C** | **HBL7765C** |

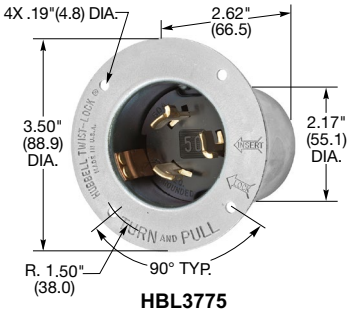
*Note: See page B-60 for accessories.*




**HBL3765C**

## Flanged Inlets

| Description | Catalog Number | |
|---|---|---|
| Zinc plated steel casing, thermoset interior. | **HBL3775** | **HBL7958** |
| Zinc plated steel casing, thermoset interior with lift cover. | **HBL3768** | **HBL7968** |




**HBL3775**

## Connector Bodies



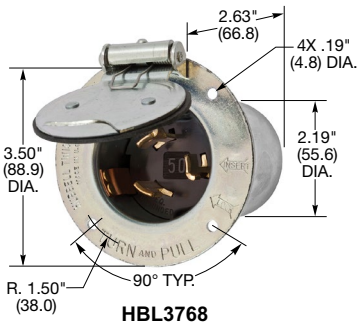

**50A 600V AC**
**50A 250V DC**




**50A 600V AC**
**50A 250V DC**

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Nylon cover, thermoplastic polyester interior. | .830"-1.250" (21.08-31.75) | **HBL3764C** | **HBL7764C** |

*Note: See page B-60 for accessories.*




**HBL3768**

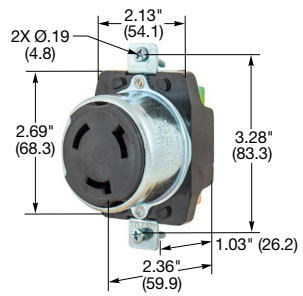
## Receptacles

| Description | Catalog Number | |
|---|---|---|
| Black phenolic. | **HBL3769** | **HBL7379** |

*Note: See page B-60 for accessories.*




**HBL3764C**




**HBL3769**

***Important Note: Catalog numbers HBL7765C, HBL7958, HBL7968, HBL7764C, HBL7379 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.***

*Dimensions in Inches (mm)*

## 50 Amp Twist-Lock® Accessories

**IP44**
SUITABILITY



HBL7770

### Weatherproof Receptacle Lift Cover Plates for FS/FD Box Mounting

| Description | Catalog Number |
|---|---|
| Corrosion resistant, gray thermoplastic. | **HBL7774WO** |
| Same as above except yellow. | **HBL77CM74WO** |
| Cast aluminum. | **HBL7770** |

*Note: See page O-21 for additional information on weatherproof covers.*



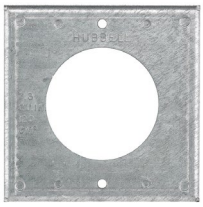
SS750

### Receptacle Plates for FS/FD Box Mounting

| Description | Catalog Number |
|---|---|
| Cast aluminum with lift cover. | **HBL7382•*** |
| Same as above less lift cover. | **HBL7383•** |
| Stainless steel, single gang, wallplate. | **SS750▲** |

### Receptacle ½" Raised Cover

| Description | Catalog Number |
|---|---|
| Galvanized Steel fits 4" square or 2-gang box. | **HBL50SC▲** |



HBL50SC

### Conduit Adapters for 50A Twist-Lock® Plugs and Connectors

| Description | NPT Thread Size | Catalog Number |
|---|---|---|
| Thermoplastic housing, conduit adapters for use with CS style 50A Twist-Lock® devices. Available in ½", ¾" and 1" NPT thread sizes. | ½" | **CS50CA05** |
| | ¾" | **CS50CA34** |
| | 1" | **CS50CA10** |

**IP55****
SUITABILITY



CS50CA34

### Weatherproof Boots

| Description | Catalog Number |
|---|---|
| Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets. | **HBL7716C†** |
| Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets. | **HBL7717C†** |

### Inlet Closure Plug

| Description | Catalog Number |
|---|---|
| Black closure plug. | **HBL4892†** |

### Replacement Parts

| Description | Catalog Number |
|---|---|
| Cord clamp Kit. | **HBLCSCK** |

*Note: •Will only fit non-"CS" type 50A Twist-Lock receptacles.*
**Not UL Listed "WDL Closed".*
***When installed and used properly with plug and connector body combinations.*
*▲IP20 SUITABILITY.*
*†Not UL Listed.*



HBL7716C



HBL7717C



HBL4892



HBLCSCK

## Features and Benefits

### Hubbellock® Plugs and Connector Bodies

The Hubbellock devices feature an exclusive design unlike any other in the industry. The unique design is built to provide the safest heavy duty device even in some of the harshest environments. These Hubbellock plugs and connector bodies are built with a super tough nylon housing for high impact resistance and a one of kind interior design for superior safety that Hubbell is known for.

The male contacts are molded into the nose for damage resistance and completely eliminate the chance of deformity. Additionally, the plug as well as the connector retains power mechanical cord grips that not only secure the cable but also clamp down on the conductors in order to provide unrivaled strain relief.

Inside the connector is Hubbell's unique safety design. With unparalleled box terminations the connector interior holds a spring-loaded safety shutter to provide the ultimate arc protection. Furthermore the exceptional heat and impact resistance is maintained by the thermoplastic interior contributing to a longer lasting device.

In all, the one of a kind function of the Hubbellock devices provide a safe and dependable performance in the most demanding applications.



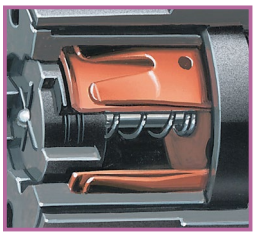


*Note: The cut-away views below are construction elements pertaining specifically to the 30A Hubbellock series. While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.*



**Housing Design**

- Insulated non-metallic housing enhances safety and abuse resistance
- Impact resistance in the interior of the female device comes from a strong thermoplastic material



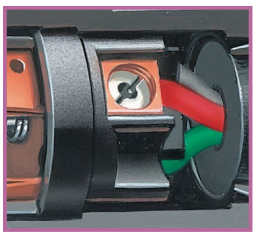
**Internal Design**

- No “lazy” connections because a spring-loaded safety shutter automatically ejects the plug if it hasn’t been properly locked into the female device. This eliminates teasing of the contacts, a major cause of contact burn-up
- Arcs are snuffed out, when devices are mated or unmated under load, by spring-loaded safety shutter



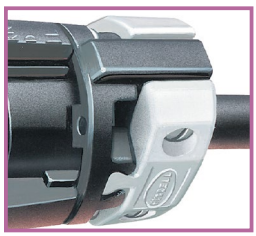
**Safety**

- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter



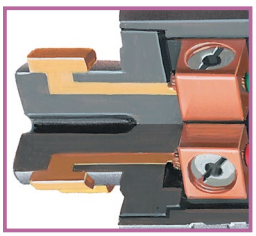
**Terminals**

- Superior wire terminations are assured with box terminals and screws with pressure pads. This design captures stray wire strands and permits more clamping pressure on the wire without damaging it. Loosening of terminations and resulting heat build-up are greatly reduced



**installation**

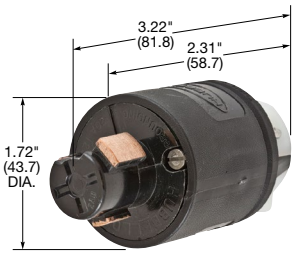
- Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip. Grommets provide a sealed cable entry that protects against the entry of moisture and dust



**Contacts**

- Positive locking is ensured by the nose of the plug being keyed into a detent in female device. This lock is independent of the contacts or a separate mechanical lock
- Longer contact life is assured by supplementary springs. Other devices rely just on contacts themselves to provide proper contact pressure

## 20 Amp, 125 Volts




HBL23035B

**IP30**
SUITABILITY




20A 125V

## Plug

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Nylon housing, thermoset interior. | .320"-.660" (8.12-16.5) | **HBL23035B** |



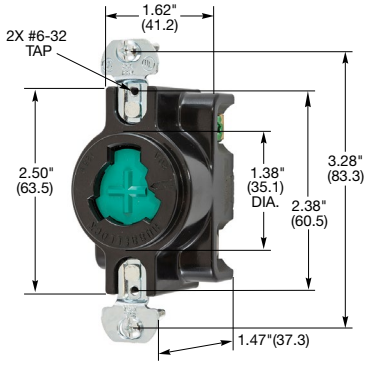

HBL23032B



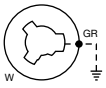

20A 125V

## Connector Body

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Nylon housing, thermoset interior. | .320"-.660" (8.12-16.5) | **HBL23032B** |




HBL23030




20A 125V

## Receptacle

| Description | Catalog Number |
|---|---|
| Black phenolic, back wired. | **HBL23030** |

*Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.*



HBL7423WO



HBL23007

## Accessories

### Weatherproof Covers

| Description | Catalog Number |
|---|---|
| Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY. | **HBL7423WO** |
| Same as above except yellow. | **HBL74CM23WO** |
| Cast aluminum, lift cover for indoor use only. | **HBL23007** |
| Stainless steel 302/304, single receptacle wallplate. | **SS7** |
| Stainless steel 430, single receptacle wallplate. | **SS7L** |

*Dimensions in Inches (mm)*

**20 Amp, 125 Volts AC or DC, 10 Amp, 250 Volts DC, 480 Volts AC**

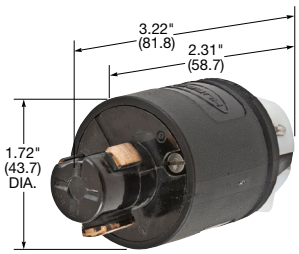
## Plug

**IP30**
SUITABILITY



20A 125V

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Nylon housing, thermoset interior. | .320"-.660" (8.12-16.5) | **HBL23005GB** |



**HBL23005GB**

## Connector Body



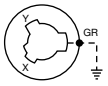
20A 125V

| Description | Cord Dia. | Catalog Number |
|---|---|---|
| Nylon housing, thermoset interior. | .320"-.660" (8.12-16.5) | **HBL23002GB** |



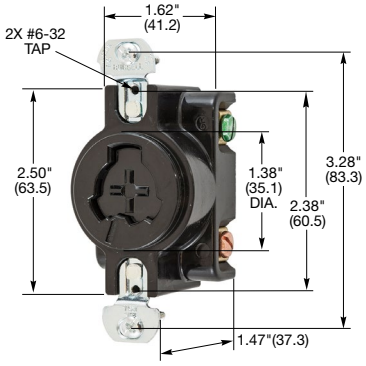
**HBL23002GB**

## Receptacle



20A 125V

| Description | Catalog Number |
|---|---|
| Black phenolic, back wired. | **HBL23000G** |



**HBL23000G**

## Accessories

### Weatherproof Covers

| Description | Catalog Number |
|---|---|
| Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 SUITABILITY. | **HBL7423WO** |
| Same as above except yellow. | **HBL74CM23WO** |
| Cast aluminum, lift cover for indoor use only. | **HBL23007** |
| Stainless steel 302/304, single receptacle wallplate. | **SS7** |
| Stainless steel 430, single receptacle wallplate. | **SS7L** |

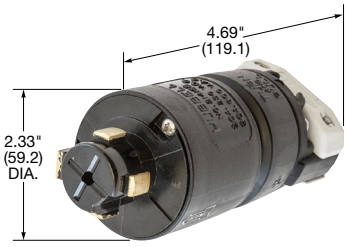

**HBL7423WO**



**HBL23007**

*Dimensions in Inches (mm)*

## 30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC



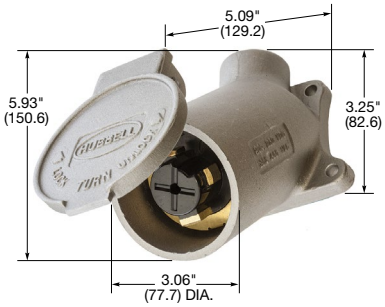

HBL21415B




HBL20445B

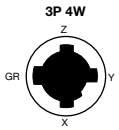



HBL25415B

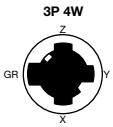



HBL21447

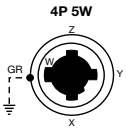
**IP30**
SUITABILITY




30A 600V AC
20A 250V DC




30A 480V AC




30A 600V AC
20A 250V DC

## Plugs

| Description | Cord Dia. | Catalog Number | | |
|---|---|---|---|---|
| Black nylon housing, thermoplastic interior. | .700"-1.200" (17.78-30.5) | **HBL21415B** | – | – |
| Same as above except corrosion resistant. | .700"-1.200" (17.78-30.5) | **HBL21CM415B** | – | – |
| Red nylon housing, thermoset interior. | .700"-1.200" (17.78-30.5) | – | **HBL20445B†** | – |
| Black nylon housing, thermoset interior, steel shroud. | .700"-1.200" (17.78-30.5) | – | – | **HBL25415B** |

*Note: See page B-68 for accessories.*
*†Not CSA Certified.*

## Flanged Inlets

| Description | Catalog Number | | |
|---|---|---|---|
| Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. | **HBL22CM428** | – | – |
| Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown). | **HBL20418** | – | – |
| Aluminum angle housing, with ¾" NPT hub for surface mounting. | **HBL21447** | – | – |




**SEHBL3** - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page B-41 for additional information.

*Dimensions in Inches (mm)*

## 30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC

## Connector Bodies

**IP30** SUITABILITY

| Description | Cord Dia. | 3P 4W Z Y GR X 30A 600V AC 20A 250V DC | 3P 4W Z Y GR X 30A 480V AC | 4P 5W Z W Y GR X 30A 600V AC 20A 250V DC |
|---|---|---|---|---|
| Black nylon housing, thermoplastic interior. | .700"-1.200" (17.78-30.5) | **HBL21414B** | – | – |
| Same as above except corrosion resistant. | .700"-1.200" (17.78-30.5) | **HBL21CM414B** | – | – |
| Red nylon housing, thermoset interior. | .700"-1.200" (17.78-30.5) | – | **HBL20444B** | – |
| Black nylon housing, thermoplastic interior. | .700"-1.200" (17.78-30.5) | – | – | **HBL25414B** |

*Note: See page B-68 for accessories.*



**HBL21414B**



**HBL20444B**

## Receptacles

| Description | Catalog Number | | |
|---|---|---|---|
| Black phenolic. | **HBL20403** | | |
| Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. IP44 SUITABILITY. | **HBL22CM427** | – | – |
| Aluminum angle housing, with ¾" NPT hub for surface mounting. IP44 SUITABILITY. | **HBL21420** | | |
| Black phenolic, red center insert. | – | **HBL20443** | – |
| Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting. | – | – | **HBL25403** |
| Black phenolic interior, aluminum weatherproof housing, blue finish for FS/FD box mounting. IP44 SUITABILITY. | – | – | **HBL25250** |

*Note: See page B-68 for accessories.*

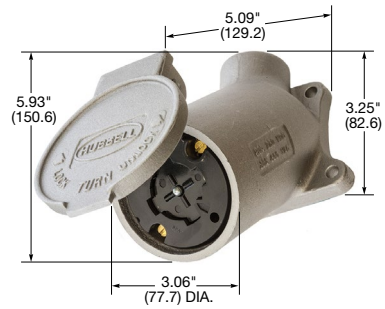


**HBL25414B**

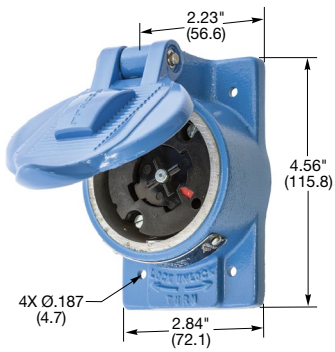
## Receptacle Accessories

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover "open", gray. | **HBL7428WOG*** |
| Thermoplastic, wet and damp locations with cover "open", yellow. | **HBL7428WOY*** |
| Thermoplastic, wet and damp locations with cover "open", red. | **HBL7428WOR*** |
| Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate. | **HBL20405** |
| Cast aluminum, wet locations only when cover "closed" and damp locations, red finish. | **HBL20446** |
| 302/304 stainless, single gang, smooth. NOT weatherproof. | **SS737** |

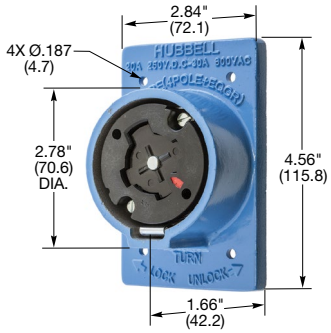
*Note: *Features two #6-32 threaded inserts to back mount device to cover.*



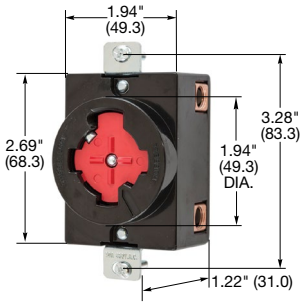
**HBL21420**



**HBL25250**



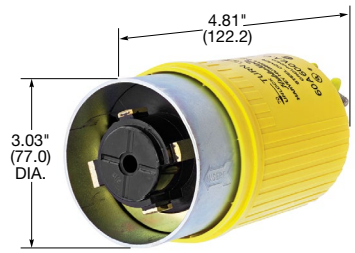
**HBL25403**



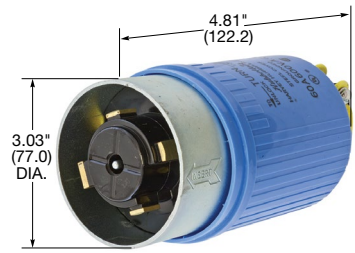
**HBL20443**

*Dimensions in Inches (mm)*

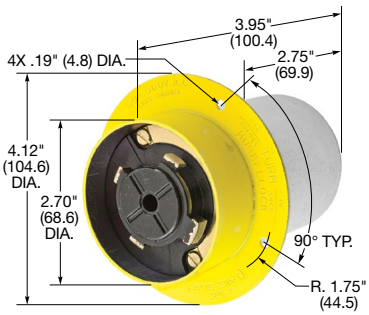
## 60 Amp, 600 Volts AC



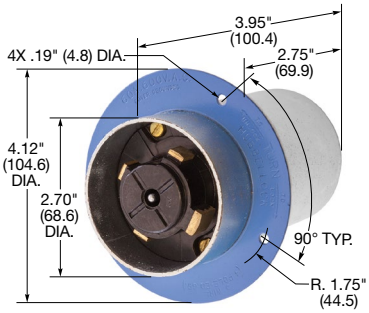

HBL26419




HBL26519

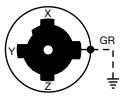



HBL26422

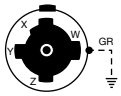



HBL26522

IP30
SUITABILITY




3P 4W
60A 600V AC




4P 5W
60A 600V AC

## Plugs

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black phenolic interior with yellow thermoplastic sleeve over steel housing. | .920"-1.450" (23.36-36.83) | **HBL26419** | – |
| Black phenolic interior with blue thermoplastic sleeve and steel housing. | 1.00"-1.50" (25.40-38.10) | – | **HBL26519** |

IP30
SUITABILITY

## Flanged Inlets

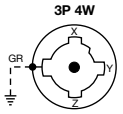
| Description | Catalog Number | |
|---|---|---|
| Black phenolic interior with steel housing and flange. | **HBL26422** | – |
| Black phenolic interior with steel housing and flange with blue finish. | – | **HBL26522** |

*Dimensions in Inches (mm)*

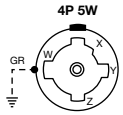
**60 Amp, 600 Volts AC**

## Connector Bodies

**IP30**
SUITABILITY

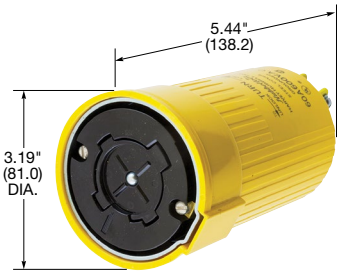


60A 600V AC

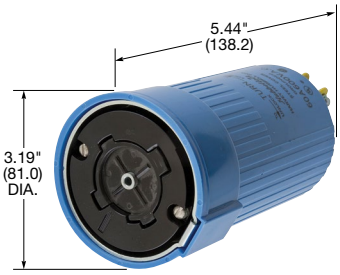


60A 600V AC

| Description | Cord Dia. | Catalog Number | |
|---|---|---|---|
| Black phenolic interior with yellow thermoplastic sleeve over steel cover. | .920"-1.450" (23.36-36.83) | **HBL26418** | – |
| Black phenolic interior with blue thermoplastic sleeve over steel cover. | 1.00"-1.50" (25.40-38.10) | – | **HBL26516** |



**HBL26418**



**HBL26516**

## Receptacles

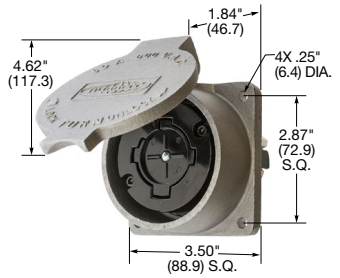
**IP44**
SUITABILITY

| Description | Catalog Number | |
|---|---|---|
| Black phenolic interior with short aluminum housing and lift cover. | **HBL26410** | – |
| Black phenolic interior with long aluminum housing and lift cover. | **HBL26420** | – |
| Black phenolic interior with long aluminum housing with lift cover and blue finish. | – | **HBL26520** |

## Flanged Receptacles

**IP30**
SUITABILITY

| Description | Catalog Number | |
|---|---|---|
| Black phenolic interior with steel housing and flange. | **HBL26421** | – |
| Black phenolic interior with steel housing and flange with blue finish. | – | **HBL26521** |

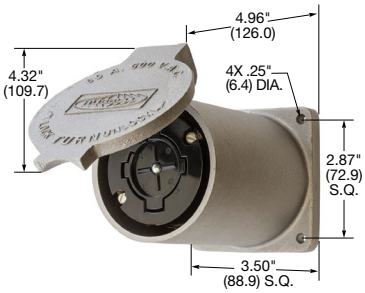


**HBL26410**

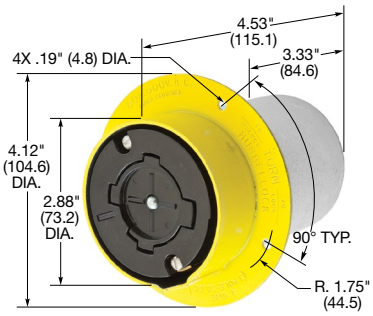
## Receptacle Box and Adapter Plates (Box requires one adapter)

| Description | Catalog Number |
|---|---|
| Box, cast aluminum, only for 60A Hubbellock receptacles. | **HBL26401** |
| Straight adapter plate. | **HBL26402** |
| 45° adapter plate. | **HBL26404** |

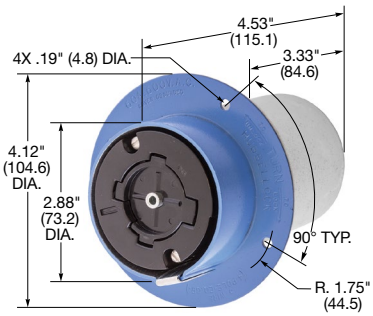
*Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.*
*See page B-68 for additional information.*



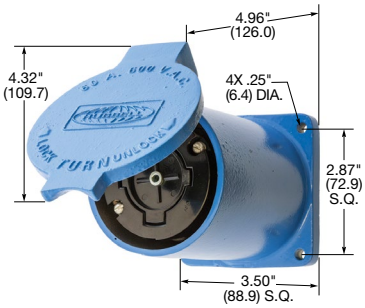
**HBL26420**



**HBL26421**



**HBL26521**



**HBL26520**

*Dimensions in Inches (mm)*

## Hubbellock® Accessories



HBL20405




SEHBL3



SAB34



HBL20424B



HBL20425B



H660A

### 30 Amp Hubbellock® Accessories

Receptacle Plates for FS/FD Box Mounting

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover "open", gray. | **HBL7428WOG*** |
| Thermoplastic, wet and damp locations with cover "open", yellow. | **HBL7428WOY*** |
| Thermoplastic, wet and damp locations with cover "open", red. | **HBL7428WOR*** |
| Cast aluminum, wet location only when cover "closed" and damp locations, lift cover plate. | **HBL20405** |
| Cast aluminum, wet location only when cover "closed" and damp locations, red finish. | **HBL20446** |
| 302/304 stainless, single gang, smooth. NOT weatherproof. | **SS737** |

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*

**IP54**
SUITABILITY

### Switched Enclosure

| Description | Catalog Number |
|---|---|
| Switched enclosure for use with 30A 3 pole 4 wire Hubbellock receptacle. Receptacle not included. | **SEHBL3** |

*Note: For more information on switched enclosures see page B-38.*

### Liquidtight Metallic Conduit Adapters

| Description | Catalog Number |
|---|---|
| Adapter for use with ½" NPT conduit fittings. | **SAB12** |
| Adapter for use with ¾" NPT conduit fittings. | **SAB34** |

### Boots

| Description | Catalog Number |
|---|---|
| "Mini" boot for 4 wire Hubbellock connector body. | **HBL20424B†** |
| "Mini" boot for 4 wire Hubbellock plug. | **HBL20425B†** |

*Note: †Not UL Listed or CSA Certified.*

### 60 Amp Hubbellock® Accessories

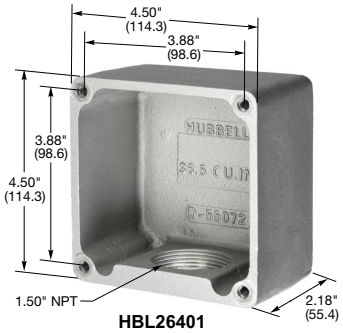
Receptacle Box and Adapter Plates (Box requires one adapter)

| Description | Catalog Number |
|---|---|
| Box, cast aluminum, only for 60A Hubbellock receptacles. | **HBL26401** |
| Straight adapter plate. | **HBL26402** |
| 45° adapter plate. | **HBL26404** |

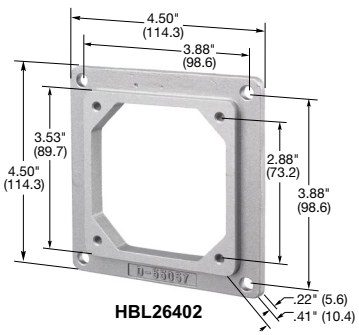
*Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.*

### Kellems® Cable Grip

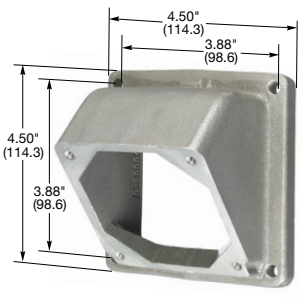
| Description | Cord Diameter | Catalog Number |
|---|---|---|
| Cable grip. | .830"-1.000" (21.1-25.4) | **H660A** |
| Cable grip (not shown). | 1.000"-1.140" (25.4-28.9) | **H661A** |
| Cable grip (not shown). | 1.125"-1.328 (28.6-33.7) | **H662A** |




HBL26401




HBL26402




HBL26404

*Dimensions in Inches (mm)*

## Technical Information

*15-30 Amp Twist-Lock and Safety-Shroud® Devices*

## Specifications

| Listings |
|---|
| Listed to UL Standard 498 (Attachment Plugs and Receptacles).<br>Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud®).<br>Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices). |

| **Plugs and Connector Bodies (Insulgrip®)** | **15-30A** |
|---|---|
| Blade/Contact Carrier | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Cover (Housing) | Black nylon (yellow in "CM" devices) |
| Cord Clamp | Natural (white) nylon |
| Dust Shield | EPDM |
| Blades/Contacts | Brass |
| Terminal Clamp | Cold rolled steel – nickel plated |
| Terminal Screws | 15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used) |
| Grounding Screw | Brass (green finish) |
| Cord Clamp Screws | Steel, zinc plated |
| Body Holding Screws | Steel, zinc plated |

| **Flanged Inlet/ Receptacles** | **15-30A** |
|---|---|
| Flanged Casing | Natural (white) nylon |
| Blade/Contact Carrier | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Blades/Contacts | Brass |
| Drive Screws | Steel, zinc plated |
| Terminal Clamp | Cold rolled steel, nickel plated |
| Terminal Screws | 15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used) |
| Grounding Screw | Brass (green finish) |
| Mounting Screws Screw Sizes | Nickel plated brass round head screws<br>15A: 6-32, $\frac{3}{8}$" long<br>20A and 30A: 8-32, $\frac{7}{16}$" long |

| **Receptacle, Single** | **15A** | **20A and 30A** |
|---|---|---|
| Cover (Top) | Nylon (Black) | Nylon (Black) |
| Base | RTP (Black) | RTP (Natural) |
| Contact Springs | .031" Brass | .040" Brass |
| Clamp | .031" Brass | .040" Brass |
| Ground Contact | .031" Brass | .040" Brass |
| Ground Shunt | – | .015" Brass |
| Bridge (Mounting Strap) | .050" Steel, zinc plated | – |
| End Plates (Mounting) | – | .050" Brass |
| Back Plate | – | .040" Brass |
| Terminal Screws | Brass (8-32) | Brass (10-32) (white finish on neutral screw when used) |
| Grounding Screw | Brass (Green) | Bronze (Green) |
| Flat Head Mounting Screws | Steel, zinc plated | Steel, zinc plated |
| Auto Ground Clip | Stainless steel | Stainless steel (Used only on IG receptacle) |

| **Safety-Shroud® Receptacles Angle, Surface Semi-Flush** | **20-30A** |
|---|---|
| Housing and Mounting Flange | Gray Valox® |
| Mounting Plate (Angle Housing Only) | Galvanized steel |
| Body Contact Carrier | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Body Holding Screws | Steel, zinc plated |
| Contact Springs | Brass |
| Spring Binding Plate | Brass |
| Terminal Clamp | Steel, nickel plated .080" curved, scalloped |
| Terminal Screws | 10-32 Brass (white finish on neutral screw when used) |
| Grounding Screw | Brass (green finish) |
| Mounting Plate Screws | Steel, zinc plated |
| Wallplate Mounting Screws | Steel, zinc plated |

| **Safety-Shroud® Twist-Lock® Plug** | **20-30A** |
|---|---|
| Insulgrip Plug with Safety-Shroud installed | |
| Safety-shroud | White Valox® |
| Cord Clamp | White nylon |

| **Performance (Twist-Lock® and Safety Shroud Devices)** | |
|---|---|
| Electrical | |
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 600 Volts RMS. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise Fed. Spec. | Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596). |

| **Mechanical (Twist-Lock® and Safety Shroud Devices)** | |
|---|---|
| Cord Accommodation (Plugs and connectors only) | Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49. |
| Cord Grip Accommodation (Insulgrip) | 15A: .230"-.720" (5.8-18.3); 20A and 30A 3W: .360"-.930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29). |
| Terminal Identification | Terminals identified in accordance with UL 498 (X, Y, Z, White, Green). |
| Terminal Accommodation | 20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. Solid or stranded copper wire only. |
| Product Identification | Ratings are a permanent part of the device housing. |

| **Environmental (Twist-Lock® and Safety Shroud Devices)** | |
|---|---|
| Flammability (Enclosure) | HB or better per UL94/CSA 22.2 No. 0.17. |
| Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount) | V2 or better. |
| Operating Temperatures | Maximum Continuous 75°C.<br>Minimum -40°C (w/o impact). |

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Technical Information

*20 and 30 Amp Watertight Safety-Shroud® Twist-Lock® Devices*

### Specifications

**Listings**

Listed to UL Standard 498 (Attachment Plugs and Receptacles).

Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).
Fed. Spec. WC-596.
UL Listed, CSA Certified to Type 4, 4X and Type 12.

| Part | Materials |
|---|---|
| **Watertight Safety-Shroud® Plug (Insulgrip®)** | **20 and 30A** |
| Blade Holder | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Cover (Housing) | Black Valox® |
| Cord Clamp | White Valox® |
| Blades | Brass |
| Terminal Clamp | Steel, nickel plated .080" curved scalloped |
| Terminal Screws | 10-32 brass (white finish on neutral screw when used) multiple drive head |
| Grounding Screw | Brass (green finish) combination head |
| Cord Clamp Screws | Stainless steel 302/304, combination head |
| Body Holding Screws | Stainless steel 302/304, combination head |
| Closure Cap and Strap | Neoprene EPDM Blend |
| **Watertight Safety-Shroud® Connector (Insulgrip®)** | **20 and 30A** |
| Body Contact Carrier | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Contact Spring | Brass |
| Spring Binding Plate | Brass |
| Cover (Housing) | Black Valox® |
| Cord Clamp | White Valox® |
| Terminal Clamp | Steel, nickel plated .080" curved scalloped |
| Terminal Screws | 10-32 brass (white finish on neutral screws when used) multiple drive head |
| Grounding Screw | Brass (green finish) combination head |
| Cord Grip Screws | Stainless steel 302/304, combination head |
| Body Holding Screws | Stainless steel 302/304, combination head |
| Closure Cap and Strap | Polypropylene with Neoprene gasket |
| **Watertight Safety-Shroud Receptacle, Single*** | **20 and 30A** |
| Housing and Flange | Gray Valox |
| Body Contact Carrier | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Drive Screws | Steel, zinc plated |
| Contact Spring | Brass |
| Spring Binding Plate | Brass |
| Terminal Clamp | Steel, nickel plated .080" curved, scalloped |
| Flange Gasket | Closed-cell neoprene foam |
| Lid Gasket | Closed-cell neoprene foam |
| Cover Hinge Pin | Stainless steel 302/304 |
| Cover Spring | Stainless steel 302/304 |
| Terminal Screws | 10-32 brass (white finish on neutral screw when used) multiple drive head |
| Grounding Screw | Brass (green finish) combination head |
| Mounting Screws | Stainless steel 302/304 combination head |
| **Watertight Safety-Shroud® Flanged Inlet** | **20 and 30A** |
| Housing and Flange | Gray Valox |
| Blade Holder | Natural (white) nylon |
| Terminal Retainer | Clear polycarbonate |
| Blades | Brass |
| Drive Screws | Steel, zinc plated |
| Terminal Clamp | Steel, nickel plated .080" curved scalloped |
| Terminal Screws | 10-32 brass (white finish on neutral screw when used) multiple drive head |
| Grounding Screw | Brass (green finish) combination head |
| Closure Cap | Neoprene EPDM blend |
| Mounting Screws | Stainless steel 302/304 combination head |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 600 Volts RMS. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596). |
| **Mechanical** | |
| Cord Accommodation (Plugs and connectors only) | Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49. |
| Cord Grip Accommodation | 20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S, SO;<br>20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO;<br>20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S, SO - #8-5 Type S, SO. |
| Terminal Identification | Terminals identified in accordance with UL 498 (X, Y, Z, White, Green). |
| Terminal Accommodation | #16- #8 AWG solid or stranded copper wire only. |
| Product Identification | Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use. |
| **Environmental** | |
| Moisture Resistance | Type 4, 4X, 12, IP66 suitability. |
| Flammability (Enclosure) | V0 per UL94 or CSA 22.2 No. 0.17. |
| Operating Temperatures | Maximum Continuous 75°C; Minimum -40°C (w/o impact). |

*Note: *Suitable for use as a flanged receptacle.*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Technical Information

*50 Amp Twist-Lock® Devices*

## Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

| Part | Materials |
|---|---|
| **Plug (Twist-Lock)** | **50A** |
| Blade Holder | Thermoplastic polyester (black) |
| Power Blades | Brass |
| Terminal Set Screw | Stainless steel |
| Terminal Retainer | Thermoplastic polyester |
| Front and Rear (housing) | Supertough nylon |
| Cord Clamp | Thermoplastic polyester (white) |
| Seal | Neoprene |
| Seal Cup | Nylon |
| Box Terminal | Copper |
| Latches | Supertough nylon |
| Ground Contact Spring | One piece copper/nickel |
| Cord Clamp Screws | 302/304 Stainless steel |
| Shroud | 302/304 Stainless steel |

| **Connector (Twist-Lock)** | **50A** |
|---|---|
| Contact Nose | Nylon (black) |
| Terminal Retainer | Thermoplastic polyester (black) |
| Terminal Set Screw | 302/304 Stainless steel |
| Contact Spring | Brass |
| Assembly Ring | 302/304 Stainless steel |
| Front and Rear (housing) | Supertough nylon (black) |
| Latches | Supertough nylon (white) |
| Cord Clamp | Thermoplastic polyester (white) |
| Box Terminal | Copper |
| Contact Holder | Thermoplastic polyester (black) |
| Ground Contact | One piece copper/nickel |
| Seal Cup | Nylon |
| Cord Grip screws | 302/304 Stainless steel |
| Seal | Neoprene |

| Part | Materials |
|---|---|
| **Flanged Inlet** | **50A** |
| Flanged Casing | .062" Steel, zinc plate |
| Blade Holder | Phenolic |
| Pressure Screws | Steel, zinc plate |
| Blades | .100" Brass |
| Ground Spring | .025" Bronze |
| Terminals | .050" Steel, brass finish |
| Grounding Terminal | .062" Copper, green finish |
| Round Head Screws | Steel, zinc plate |

| **Receptacle** | **50A** |
|---|---|
| Body | Phenolic |
| Face | Phenolic |
| Contact Springs | .100" Brass alloy |
| Contact Binding Plates | .100" Brass |
| Ground Contact | .031" Brass |
| Insulator | .093" Laminated phenolic |
| Bridge (Mounting Strap) | .062" Steel, zinc plate |
| Pressure Screws | Steel, zinc plate |
| Terminals | .050" Steel |
| Casing | .062" Steel, zinc plate |
| Center Pin (CS Devices) | Steel, zinc plate |

## Product Identification

| | |
|---|---|
| Ratings | Molded into face for all devices and stamped into stainless steel shroud on plug devices. |
| Catalog Number | Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices. |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 600 Volts RMS. |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498). |
| **Mechanical** | |
| Terminal Accommodation | #8 AWG min. - #4 AWG max. Solid or stranded copper wire only. |
| Cord Grip Accommodation | Round cords types: S, SO, ST .830"-1.250" (21.08-31.75). |
| **Environmental** | |
| Flammability | UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors. |
| Operating Temperatures | Maximum continuous 75°C; minimum –40°C (w/o impact). |

*Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.*

## Technical Information

*Switched Twist-Lock® and Hubbellock® Enclosures*

### Specifications

| Typical Specifications | |
|---|---|
| Manufacturer's Identification | Hubbell SETL3/SEHBL3-SE2730A. |
| Description | Lockable Switched Enclosure. This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle. |
| Electrical Type | 2 Pole + Earth through 4 Pole and Earth. |
| Rating | 20 or 30A, 125V through 3ØY 347/600V AC. |
| Configuration | NEMA Locking L5-20R through L23-30R. |
| Enclosure Type | Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability.<br>Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout). |
| Enclosure Material | Non-metallic enclosure suitable for metallic conduit. |

### Materials

| Part | Materials |
|---|---|
| Base | Valox® |
| Top | Valox® |
| Handle | Valox® |
| Conduit Hub | Zinc ¾" watertight |
| Enclosure Gasket | Neoprene |
| Shaft | Valox® |
| Shaft Seal | Molded neoprene |
| Frame | Galvanized steel |
| Lift Cover | Valox® |
| Enclosure Screws | Stainless steel 300 series |
| Hinge Spring and Pin | Stainless steel 300 series |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 3,000V minimum. |
| Max. Working Voltage | 600V RMS. |
| Current Interrupting | Certified for current interrupting at full rated current and voltage. |
| Short Circuit Withstand | Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. |
| Operations | Mechanical 10,000 cycles;<br>Electrical 6,000 cycles. |
| **Mechanical** | |
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Identification | Identification and ratings are part of external label and receptacle face. |
| Weight | 3.5 pounds. |
| Mounting | External fully adjustable feet. |
| **Environmental** | |
| Moisture Resistance | Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability.<br>Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout). |
| Flammability | UL94 – 5 VA and V0 classification. |
| Operating Temperature | Maximum continuous +75°C;<br>Minimum continuous -40°C. |
| UV Resistance | All materials are UV stabilized. |

*Note: This device provides on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a $^{5}/_{16}$" (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Technical Information

*Mechanical Interlock Switched Safety Enclosures*

### Specifications

| Typical Specifications | |
|---|---|
| Manufacturer's Identification | Hubbell HBLMITL. |
| Description | Circuit-Lock Mechanical Interlock. |
| Electrical Type | 2 Pole + Earth through 4 Pole and Earth. |
| Rating | Up to 30A, 3Ø 600V AC. |
| Enclosure Type | Outdoor – 4X (Watertight, Washdown);<br>Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout.<br>IP66 suitability. |
| Enclosure Material | Non-metallic enclosure suitable for metallic conduit. |

### Materials

| Part | Material |
|---|---|
| Base | Valox® |
| Top | Valox® |
| Handle | Valox® |
| Conduit Hub | Zinc ¾" watertight |
| Enclosure Gasket | Neoprene |
| Shaft | Valox® |
| Shaft Seal | Neoprene |
| Frame | Galvanized steel |
| Enclosure Screws | Stainless steel 300 series |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 3,000V Min. |
| Max. Working Voltage | 600V RMS. |
| Current Interrupting | Certified for current interrupting at full rated current voltage. |
| Short Circuit Withstand Rating | Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. |
| Operations | Mechanical 10,000 cycles;<br>Electrical 6,000 cycles. |
| **Mechanical** | |
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA. |
| Product Identification | Identification and ratings are part of the external label and receptacle face. |
| Weight | 3.5 pounds. |
| Mounting | External full adjustable feet. |
| **Environmental** | |
| Moisture Resistance | Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability. |
| Flammability | Meets UL 94V0 material classification. |
| Operating Temperature | Maximum continuous +75°C;<br>Minimum continuous -40°C. |
| UV Resistance | All exposed materials are UV stabilized. |

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Technical Information
*Valise® Plugs and Connectors*

### Specifications

| Plugs |
|---|
| Typical Specification - Catalog No. HBL4723VY. |
| Description - Straight Body Plug |
| Type – 2 Pole, 3 Wire, Grounding |
| Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V |
| Certification – UL Listed File E1706, CSA Certified |
| IP Suitability – **IP20** |

| Part | Material |
|---|---|
| Plug | 15, 20 and 30A |
| Housing | Nylon |
| Blades | Brass |
| Ground Blade | Brass |
| Terminal Screws | Steel multiple drive |
| Cable Inserts | Polyphenylene Oxide |
| Terminal Clamps | CR Steel |
| Body Holding Screws | Steel multiple drive |

| Connector Bodies |
|---|
| Typical Specification- Catalog No. HBL4729VY |
| Description – Straight Body Connector |
| Type – 2 Pole, 3 Wire, Grounding |
| Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V |
| Certification – UL Listed File E1706, CSA Certified |
| IP Suitability – **IP20** |

| Part | Material |
|---|---|
| Connector | 15, 20 and 30A |
| Housing | Nylon |
| Contact and Ground Springs | Brass |
| Terminal Screws | Steel multiple drive |
| Cable Inserts | Polyphenylene Oxide |
| Terminal Clamps | CR Steel |
| Body Holding Screws | Steel multiple drive |

### Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V, 250V or 277V AC as rated. |
| Current Interrupting | Certified for full rated current. |
| Temperature Rise | Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current. |
| **Mechanical** | |
| Terminal Identification | Screw Color per UL 498 (Brass, White and Green). |
| Terminal Accommodation | 15A-18 to 12AWG. Solid or stranded copper wire only.<br>20A-18 to 10AWG. Solid or stranded copper wire only.<br>30A-14 to 8AWG. Solid or stranded copper wire only. |
| Product Identification | Molded rating on device face. |
| Torque | 12 in-lb terminal screws, 7 in-lb assembly screws. |
| **Cord Range** | |
| 15A | .220" to .660" (5.6mm to 16.8mm). |
| 20A | .325" to .720" (8.26mm to 18.3mm). |
| 30A | .590" to .930" (15.0mm to 23.6mm). |
| **Environmental** | |
| Flammability | UL 94HB. |
| Operating Temperature | Maximum continuous 75°C, minimum -40°C (w/o impact). |
| **Standards** | |
| Listed to UL Standard UL498 | |
| Certified to CSA Standard C22.2 No. 42 | |

# SECTION C

## Table of Contents



Watertight Devices



FD Boxes and Angled Adapters



GFCI Protected FD Box




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## Features and Benefits

### Watertight Safety-Shroud® Twist-Lock® System

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



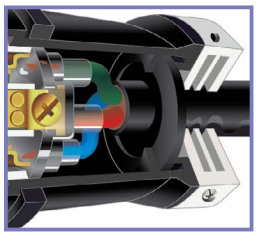


*Note: Works with Mechanical Interlocks, see page B-41 for additional information.*



### Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



### Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



### Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard prevents water ingress from entering the device at the cord end



### Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



### Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



### Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover

  Result: Environmental sealing is assured

## Watertight Safety-Shroud® Twist-Lock® Devices






| | NEMA Rating Color Coded by Voltage | Plug/ Connector | Poles/Wires | Plug | Connector | Flanged Inlet | Receptacle |
|---|---|---|---|---|---|---|---|
| 20 Amp | NEMA L5-20 20A 125V | | 2P/3W | **HBL2311SW** | **HBL2313SW** | **HBL2315SW** | **HBL2310SW** |
| | NEMA L6-20 20A 250V | | 2P/3W | **HBL2321SW** | **HBL2323SW** | **HBL2325SW** | **HBL2320SW** |
| | NEMA L7-20 20A 277V AC | | 2P/3W | **HBL2331SW** | **HBL2333SW** | **HBL2335SW** | **HBL2330SW** |
| | NEMA L14-20 20A 125/250V AC | | 3P/4W | **HBL2411SW** | **HBL2413SW** | **HBL2415SW** | **HBL2410SW** |
| | NEMA L15-20 20A 3Ø 250V AC | | 3P/4W | **HBL2421SW** | **HBL2423SW** | **HBL2425SW** | **HBL2420SW** |
| | NEMA L16-20 20A 3Ø 480V AC | | 3P/4W | **HBL2431SW** | **HBL2433SW** | **HBL2435SW** | **HBL2430SW** |
| | NEMA L21-20 20A 3ØY 120/208V AC | | 4P/5W | **HBL2511SW** | **HBL2513SW** | **HBL2515SW** | **HBL2510SW** |
| 30 Amp | NEMA L5-30 30A 125V | | 2P/3W | **HBL2611SW** | **HBL2613SW** | **HBL2615SW** | **HBL2610SW** |
| | NEMA L6-30 30A 250V | | 2P/3W | **HBL2621SW** | **HBL2623SW** | **HBL2625SW** | **HBL2620SW** |
| | NEMA L14-30 30A 125/250V AC | | 3P/4W | **HBL2711SW** | **HBL2713SW** | **HBL2715SW** | **HBL2710SW** |
| | NEMA L15-30 30A 3Ø 250V AC | | 3P/4W | **HBL2721SW** | **HBL2723SW** | **HBL2725SW** | **HBL2720SW** |
| | NEMA L16-30 30A 3Ø 480V AC | | 3P/4W | **HBL2731SW** | **HBL2733SW** | **HBL2735SW** | **HBL2730SW** |
| | NEMA L17-30 30A 3Ø 600V AC | | 3P/4W | **HBL2741SW** | **HBL2743SW** | **HBL2745SW** | **HBL2740SW** |
| | NEMA L21-30 30A 3ØY 120/208V AC | | 4P/5W | **HBL2811SW** | **HBL2813SW** | **HBL2815SW** | **HBL2810SW** |

## Mechanical Interlock Switched Safety Enclosure

| Description | Catalog Number |
|---|---|
| Unfused mechanical interlock integrates a watertight safety shroud receptacle with a linked disconnect switch. See page B-41 for additional information. | **HBLMITL** |



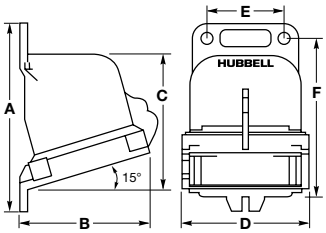

**HBLMITL**

## Specifications

| Listings |
|---|
| Listed to UL Standard 498 |
| Certified to CSA Standard No.42 |
| Fed. Spec. WC-596 |

| Environmental | |
|---|---|
| Moisture Resistance | UL Type 4, 4X, 12, IP66 suitability |
| Flammability (Enclosure) | V0 per UL94 or CSA 22.2 No. 0.17 |
| Operating Temperatures | Maximum Continuous 75°C; Minimum -40°C (without impact) |

## Accessories

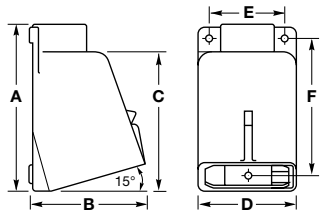



Non-Metallic Angle Box

### 15° Angle Non-Metallic Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | 1" | 5.67" (144.0) | 4.44" (112.8) | 4.05" (102.9) | 3.91" (99.3) | 2.35" (59.7) | 4.92" (125.0) | 30.00" | **BB2030N** |

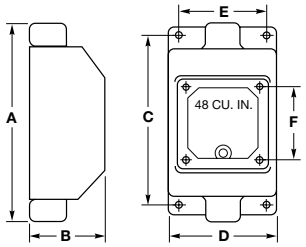
*Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.*




Metallic Angle Box

### 15° Angle Metallic Back Boxes

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | ¾" | 5.13" (130.2) | 4.00" (101.6) | 4.19" (106.4) | 3.75" (95.3) | 3.00" (76.2) | 4.00" (101.6) | 30.00" | **BB201W** |
| | 1" | 5.13" (130.2) | 4.00" (101.6) | 4.19" (106.4) | 3.75" (95.3) | 3.00" (76.2) | 4.00" (101.6) | 30.00" | **BB301W** |

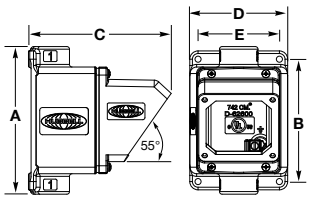



Metallic Feed Thru Box

### Metallic Feed Thru Back Boxes

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | ¾" | 8.25" (209.6) | 3.06" (77.8) | 7.14" (181.4) | 4.50" (114.3) | 3.75" (95.3) | 3.13" (79.5) | 48.00" | **FT202W** |
| | 1" | 8.25" (209.6) | 3.06" (77.8) | 7.14" (181.4) | 4.50" (114.3) | 3.75" (95.3) | 3.13" (79.5) | 48.00" | **FT302W** |

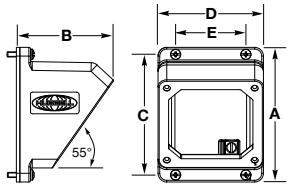
*Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).*




AB203055

### 55° Angle Metallic Adapter and Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | 1" | 6.80" (172.4) | 5.63" (142.9) | 6.60" (167.0) | 4.50" (114.3) | 3.74" (95.0) | - | 45.27" | **AB203055** |




AA203055

### 55° Angle Metallic Adapter with Grounding Lug

| Description | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| For 20A and 30A Watertight Safety-Shroud Twist-Lock Receptacles and Inlets. | 4.89" (172.4) | 3.33" (167.0) | 4.29" (142.9) | 3.75" (114.3) | 2.50" (95.0) | - | 25.00" | **AA203055** |



HBL2030AP

### Straight Watertight Wall Box Adapter

| Description | Catalog Number |
|---|---|
| Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes. | **HBL2030AP** |



AA2030PS

### Non-Watertight Angle Wall Box Adapter

| Description | Catalog Number |
|---|---|
| Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 4 11/16" square). | **AA2030PS** |

*Dimensions in Inches (mm)*

## Features and Benefits

### Watertight Devices

- The triple bypass seal provides a Watertight UL Type 4X and IP69K seal where devices are mated
- The cone seal at the cable entrance provides protection from water ingress
- Strongest strain relief for any Watertight device on the market, utilizing the patented Gotcha ring and collapsible bushing combination
- Nickel plated brass contacts and stainless steel screws provide corrosion resistance for metallic components
- Impact resistant, smooth, thermoplastic elastomer body helps collection point and aids in easy debris removal
- Floating cap rings allows for easy removal of dirt and debris







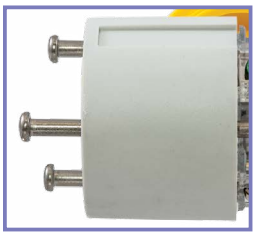
## Industry's First IP69k Devices

Superior water ingress protection uniquely designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments.




### Housing Design

- LED version illuminates to let you know that the device is wired properly
- Smooth body design minimizes collection points simplifying the wash down process
- Strain relief nut always seals on the body regardless of cable size, eliminating areas of debris collection



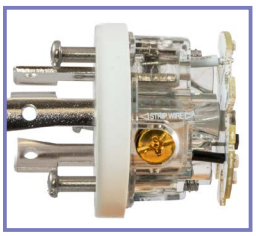
### Assembly

- Keyed interior for easy installation
- All stainless steel hardware and corrosion resistant connection points



### Cord Range

- Hubbell's patented Gotcha® ring and collapsible bushing yields the industry's best strain relief
- Cone seal adjusts to any cable range
- Unique cone seal prevents dirt and debris from collecting at the cable entrance



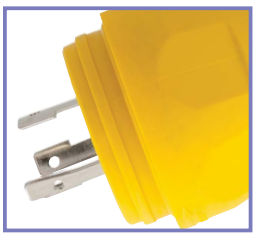
### Terminals

- High conductivity brass termination




### Protection

- Triple bypass seal keeps water away from electrical connections and works with previously installed devices
- Free-floating cap allows unwanted material to wash away during sanitation



### Plug Blades

- Corrosion resistant connection points

## Features and Benefits

UL Type 4, 4X

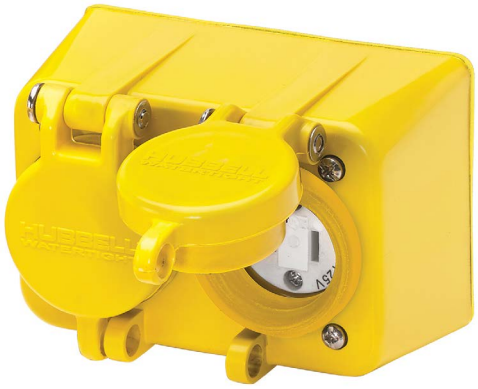
IP65,66,67,69k*
SUITABILITY

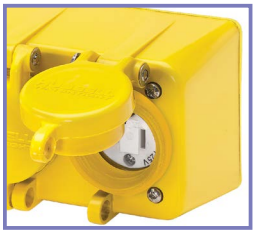
IP69k

### Watertight Receptacles with Lift Covers

Hubbell Watertight receptacles with lift covers provide an impact resistant UL Type 4X seal combined with corrosion resistant metallic components. These universal covers can house any NEMA listed straight blade receptacles as well as any NEMA listed Twist-Lock® receptacles. The Watertight receptacles can either be mounted to FD/FS boxes (see page C-9) or panel mounted to a flat surface. Combined, this makes a diversified product with the high quality needed in industrial, wet and wash down applications.







**Housing Design**

- Impact resistant PBT material lid and cover plate
- Thermoplastic elastomer seal
- Lockable cover meets OSHA Lockout/Tagout regulations



**Assembly**

- Stainless steel mounting hardware
- Stainless steel hinge spring and pin



HBL14W47AWC



HBL15W47A



HBL60W47



HBL60W47D

### 15 Amp and 20 Amp Straight Blade Devices

| | Rating | Plug/ Connector | Poles/ Wires | Color | Plug | Connector | Receptacle with Lift Cover | Duplex Recept. with Lift Cover |
|---|---|---|---|---|---|---|---|---|
| 15 Amp | NEMA 5-15 15A 125V | | 2P/3W | Yellow<br>Black<br>Clear | **HBL14W47A**<br>**HBL14W47BK**<br>**HBL14W47AWC** | **HBL15W47A**<br>**HBL15W47BK**<br>**HBL15W47AWC** | **HBL60W47**<br>**HBL60W47BK**<br>— | **HBL60W47D**<br>—<br>— |
| | NEMA 6-15 15A 250V | | 2P/3W | Yellow | **HBL14W49** | **HBL15W49** | **HBL60W49** | **HBL60W49D** |
| 20 Amp | NEMA 5-20 20A 125V | | 2P/3W | Yellow<br>Clear | **HBL14W33A**<br>**HBL14W33AWC** | **HBL15W33A**<br>**HBL15W33AWC** | **HBL60W33**<br>— | **HBL60W33D**<br>— |
| | NEMA 6-20 20A 250V | | 2P/3W | Yellow | **HBL14W48** | **HBL15W48** | **HBL60W48** | **HBL60W48D** |

### 15 Amp Twist-Lock® Devices

| | Rating | Plug/ Connector | Poles/ Wires | Color | Plug | Connector | Receptacle with Lift Cover | Duplex Recept. with Lift Cover |
|---|---|---|---|---|---|---|---|---|
| 15 Amp | NEMA L5-15 15A 125V | | 2P/3W | Yellow<br>Black<br>Clear | **HBL24W47A**<br>**HBL24W47BK**<br>**HBL24W47AWC** | **HBL25W47A**<br>**HBL25W47BK**<br>**HBL25W47AWC** | **HBL65W47**<br>—<br>— | **HBL65W47D**<br>—<br>— |
| | NEMA L6-15 15A 250V | | 2P/3W | Yellow | **HBL24W49** | **HBL25W49** | **HBL65W49** | **HBL65W49D** |
| | NEMA L7-15 15A 277V AC | | 2P/3W | Yellow<br>Black | **HBL24W34**<br>**HBL24W34BK** | **HBL25W34**<br>**HBL25W34BK** | **HBL65W34**<br>— | **HBL65W34D**<br>— |

*Note: *Single and duplex receptacles while in use, not with cover closed.*

UL Type 4, 4X, 6P

IP65,66,67,69k*
SUITABILITY

IP69k

## 20 Amp and 30 Amp Twist-Lock® Devices

| | Rating | Plug/Connector | Poles/ Wires | Color | Plug | Connector | Receptacle with Lift Cover |
|---|---|---|---|---|---|---|---|
| 20 Amp | NEMA L5-20 20A 125V | | 2P/3W | Yellow<br>Black<br>Clear | **HBL26W47**<br>**HBL26W47BK**<br>**HBL26W47WC** | **HBL27W47**<br>**HBL27W47BK**<br>**HBL27W47WC** | **HBL67W47**<br>—<br>— |
| | NEMA L6-20 20A 250V | | 2P/3W | Yellow<br>Black | **HBL26W48**<br>**HBL26W48BK** | **HBL27W48**<br>**HBL27W48BK** | **HBL67W48**<br>**HBL67W48BK** |
| | NEMA L7-20 20A 277V AC | | 2P/3W | Yellow | **HBL26W49** | **HBL27W49** | **HBL67W49** |
| | NEMA L14-20 20A 125/250V AC | | 3P/4W | Yellow | **HBL26W74** | **HBL27W74** | **HBL67W74** |
| | NEMA L15-20 20A 3Ø 250V AC | | 3P/4W | Yellow<br>Black | **HBL26W75**<br>**HBL26W75BK** | **HBL27W75**<br>**HBL27W75BK** | **HBL67W75**<br>**HBL67W75BK** |
| | NEMA L16-20 20A 3Ø 480V AC | | 3P/4W | Yellow<br>Black | **HBL26W76**<br>**HBL26W76BK** | **HBL27W76**<br>**HBL27W76BK** | **HBL67W76**<br>**HBL67W76BK** |
| | NEMA L21-20 20A 3ØY 120/208V AC | | 4P/5W | Yellow<br>Black | **HBL26W81**<br>**HBL26W81BK** | **HBL27W81**<br>**HBL27W81BK** | **HBL67W81**<br>— |
| | NEMA L22-20 20A 3ØY 277/480V AC | | 4P/5W | Yellow | **HBL26W82** | **HBL27W82** | **HBL67W82** |
| | NEMA L23-20 20A 3ØY 347/600V | | 4P/5W | Yellow | **HBL26W83** | **HBL27W83** | **HBL67W83** |
| | 20A 125/250V Non-NEMA | | 3P/3W | Yellow | **HBL26W08** | **HBL27W08** | **HBL67W08** |
| | 20A 3ØY 120/208V AC Non-NEMA | | 4P/4W | Yellow | **HBL26W09** | **HBL27W09** | **HBL67W09** |
| 30 Amp | NEMA L5-30 30A 125V | | 2P/3W | Yellow<br>Black | **HBL28W47**<br>**HBL28W47BK** | **HBL29W47**<br>**HBL29W47BK** | **HBL69W47**<br>— |
| | NEMA L6-30 30A 250V | | 2P/3W | Yellow<br>Black | **HBL28W48**<br>— | **HBL29W48**<br>— | **HBL69W48**<br>**HBL69W48BK** |
| | NEMA L7-30 30A 277V AC | | 2P/3W | Yellow | **HBL28W49** | **HBL29W49** | **HBL69W49** |
| | NEMA L14-30 30A 125/250V AC | | 3P/4W | Yellow | **HBL28W74** | **HBL29W74** | **HBL69W74** |
| | NEMA L15-30 30A 3Ø 250V AC | | 3P/4W | Yellow<br>Black | **HBL28W75**<br>**HBL28W75BK** | **HBL29W75**<br>**HBL29W75BK** | **HBL69W75**<br>**HBL69W75BK** |
| | NEMA L16-30 30A 3Ø 480V AC | | 3P/4W | Yellow<br>Black | **HBL28W76**<br>**HBL28W76BK** | **HBL29W76**<br>**HBL29W76BK** | **HBL69W76**<br>**HBL69W76BK** |
| | NEMA L17-30 30A 3Ø 600V AC | | 3P/4W | Yellow | **HBL28W77** | **HBL29W77** | **HBL69W77** |
| | NEMA L18-30 30A 3ØY 120/208V AC | | 4P/4W | Yellow | **HBL28W78** | **HBL29W78** | — |
| | NEMA L21-30 30A 3ØY 120/208V AC | | 4P/5W | Yellow<br>Black | **HBL28W81**<br>**HBL28W81BK** | **HBL29W81**<br>**HBL29W81BK** | **HBL69W81**<br>— |
| | NEMA L22-30 30A 3ØY 277/480V AC | | 4P/5W | Yellow | **HBL28W82** | **HBL29W82** | **HBL69W82** |
| | NEMA L23-30 30A 3ØY 347/600V AC | | 4P/5W | Yellow | **HBL28W83** | **HBL29W83** | **HBL69W83** |
| | 30A 125/250V Non-NEMA | | 3P/3W | Yellow | **HBL28W08** | **HBL29W08** | **HBL69W08** |
| | 30A 3ØY 120/208V AC Non-NEMA | | 4P/4W | Yellow | **HBL28W09** | **HBL29W09** | — |



**HBL24W47A**



**HBL25W47A**



**HBL26W47WC**



**HBL27W47WC**



**HBL26W47**



**HBL27W47BK**



**HBL27W47**



**HBL67W48**

*Note: *Single and duplex receptacles while in use, not with cover closed.*

## Accessories

UL Type 4X

IP65, 66, 67
SUITABILITY













HBL6500

### UL Type 4X Watertight Lift Covers

| | Description | Color | Lift Cover |
|---|---|---|---|
| Lift Cover Assembly | For use with 15A or 20A straight blade receptacles and 15A Twist-Lock® receptacles; receptacle not included. | Yellow<br>Black | **HBL6500**<br>**HBL6500BK** |
| | For use with 20A Twist-Lock® receptacles; receptacle not included.<br>*Note: When mating with **HBL26W09**, 20A Non-NEMA plug, use HBL6800 cover.* | Yellow<br>Black | **HBL6700**<br>**HBL6700BK** |
| | For use with 30A Twist-Lock® receptacles; receptacle not included. | Yellow<br>Black | **HBL6800**<br>**HBL6800BK** |



HBL28W75IN



HBL29W75IN

### Interiors

| | Device | 125V | | 3Ø 250V AC | | 3Ø 480V AC | |
|---|---|---|---|---|---|---|---|
| | | Plug | Receptacle | Plug | Receptacle | Plug | Receptacle |
| 15A | Straight Blade Locking | **HBL14W47IN**<br>**HBL24W47IN** | **HBL15W47IN**<br>— | —<br>— | —<br>— | —<br>— | —<br>— |
| 20A | Locking | — | **HBL27W47IN** | **HBL26W75IN** | — | **HBL26W76IN** | **HBL27W76IN** |
| 30A | Locking | — | — | **HBL28W75IN** | **HBL29W75IN** | **HBL28W76IN** | **HBL29W76IN** |



HBLWTB1



HBL50W50

### Bushings, Cone Seals and Closure Caps

| | Device | Bushings | Cone Seals | Closure Caps | |
|---|---|---|---|---|---|
| | | | | Yellow | Black |
| 15A | Straight Blade Locking | **HBLWTB1**<br>**HBLWTB1** | **HBLWTCS1**<br>**HBLWTCS1** | **HBL50W50**<br>**HBL50W50** | **HBL50W50BK**<br>**HBL50W50BK** |
| 20A | Straight Blade Locking | **HBLWTB1**<br>**HBLWTB2** | **HBLWTCS1**<br>**HBLWTCS2** | **HBL50W50**<br>**HBL50W52** | **HBL50W50BK**<br>**HBL50W52BK** |
| 30A | Locking | **HBLWTB3** | **HBLWTCS3** | **HBL50W54** | **HBL50W54BK** |

## Features and Benefits

UL Type 4X

IP65,66,69k*
SUITABILITY

IP69k

### FD Boxes and Angled Adapters

Hubbell FD boxes and angled adapters are made of high impact resistant material. They are the only NEC® compliant box system that has enough wiring room for a 50A Twist-Lock® device. The stainless steel mounting and grounding bracket provides corrosion resistance, necessary in direct wash down applications. The FD Boxes are UL Type 4X rated when used with Watertight Lift Covers, i.e. HBL6500 or HBL6700 as well as with a blank plate such as HBL60CM88. The box and angled adapter can either be purchased separately or as a kit. The FD box and Adapter can be used with any single or duplex receptacle up to a 50A Twist-Lock®.





**Housing Design**

- 30 cu. in. FD box made of high impact thermoplastic material
- ¾" NPT and 1" NPT threaded hub options
- Stainless steel mounting/grounding bracket
- External mounting feet, accepts #10 screw



**Adapter**

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Accepts duplex and single receptacles up to a 50A Twist-Lock®

### FD Boxes and Angled Adapters

| | Description | Catalog Number |
|---|---|---|
| Boxes | (2) ¾" NPT Hubs, FD Box, Yellow | **HBL60CM83A** |
| | (2) ¾" NPT Hubs, FD Box, White | **HBL60CM83WA** |
| | (2) ¾" NPT Hubs, FD Box, Gray | **HBL6083** |
| | (2) 1" NPT Hubs, FD Box, Yellow | **HBL60CM84A** |
| | (2) 1" NPT Hubs, FD Box, White | **HBL60CM84WA** |
| | (2) 1" NPT Hubs, FD Box, Gray | **HBL6084** |
| Adapters | 55° Angle Adapter, Yellow | **HBL60CM55** |
| | 55° Angle Adapter, White | **HBL60CM55W** |
| | 55° Angle Adapter, Gray | **HBL6055** |
| Kits | (2) ¾" NPT Hubs, Box/Adapter Kit, Yellow | **HBL60CM83AK** |
| | (2) ¾" NPT Hubs, Box/Adapter Kit, White | **HBL60CM83WAK** |
| | (2) ¾" NPT Hubs, Box/Adapter Kit, Gray | **HBL6083AK** |
| | (2) 1" NPT Hubs, Box/Adapter Kit, Yellow | **HBL60CM84AK** |
| | (2) 1" NPT Hubs, Box/Adapter Kit, White | **HBL60CM84WAK** |
| | (2) 1" NPT Hubs, Box/Adapter Kit, Gray | **HBL6084AK** |
| Covers | Blank Cover Plate, Yellow | **HBL60CM88** |
| | Blank Cover Plate, White | **HBL60CM88W** |
| | Blank Cover Plate, Gray | **HBLP14FS** |



**HBL60CM83A**



**HBL60CM55**



**HBL60CM88W**



**HBL60CM88**



**HBLP14FS**

*Note: *Plug, receptacle and FD box required for IP69K rating.*
*Angled adapters are not UL/CSA listed or UL Type 4X.*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits

UL Type 4X

### GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.









### GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



### FD Box

- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

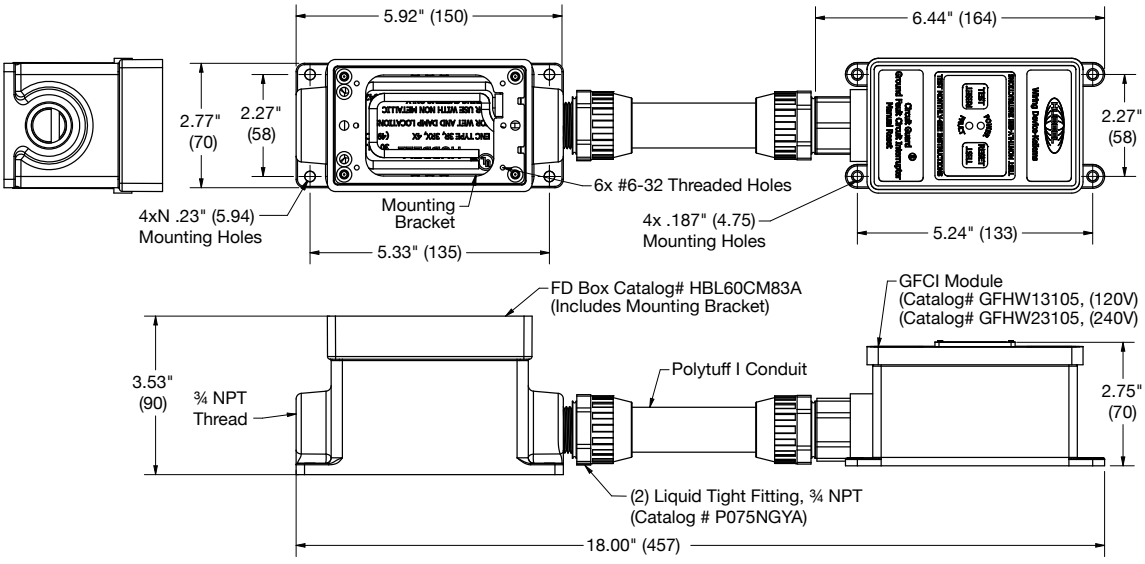
*Note: Watertight receptacles purchased separately.*



**HBLWTGF120**
**HBLWTGF240**

### GFCI Protected FD Box

| | Description | Catalog Number |
|---|---|---|
| FD Box | Watertight FD Box, GFCI Module, 30A 120V, Yellow | **HBLWTGF120** |
| | Watertight FD Box, GFCI Module, 30A 240V, Yellow | **HBLWTGF240** |




*Dimensions in Inches (mm)*

## Features and Benefits

**Box Suitable for Wet and Damp Locations**

**IP44**
SUITABILITY

### Portable Outlet Boxes and Covers for Boxes and Panels

The thermoplastic elastomer material of the Portable Outlet Box provides a strong housing with enough capacity for multiple devices to fit, with cord feed through options available. The impact resistant PBT covers add to the durability of the box and the devices inside. There are several cord connectors available ranging from standard to deluxe, providing unmatched strain relief. The covers provide a UL Type 3R weather resistant seal suitable for wet and damp locations. Portable Outlet Boxes are available as pre-assembled or can be configured as needed.







**Housing Design**

- Fully thermoplastic elastomer housing exceeds UL crush requirements
- Wiring room large enough to accommodate the broadest range of device requirements in one size box
- Extended wall protects lift covers from impact damage
- Brass inserts for maximum strength



**Covers**

- Impact resistant PBT material
- UL Type 3R seal on a panel or on a portable outlet box
- Stainless steel hinge and spring

### Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed)

| | Description | Cord Range Inches (mm) | Catalog Number |
|---|---|---|---|
| Boxes | Portable Outlet Box, Deep, Yellow | .38"-.50" (9.7-12.7) | **HBL3099** |
| | Portable Outlet Box, Deep, Feed Thru, Yellow | .38"-.50" (9.7-12.7) | **HBL3090F** |
| | Portable Outlet Box, Deep, Yellow with (2) duplex plates | .38"-.50" (9.7-12.7) | **HBL3000** |



**HBL3099**



**HBL3090F**



**HBL3000**



### Configurable Portable Outlet Boxes

| | Empty Box Options | Catalog Number | Cord Range Inches (mm) | Cord Connector Options | | Deluxe Cord Connectors |
|---|---|---|---|---|---|---|
| | | | | Gray Nylon | Black Nylon | |
| Boxes | Outlet Box, Yellow<br>Outlet Box, Black<br>Feed Thru Box, Yellow<br>Feed Thru Box, Black | **HBL3080**<br>**HBL3080BK**<br>**HBL3080F**<br>**HBL3080FBK** | .38"-.50" (9.7-12.7) | **SHC1039CR** | — | — |
| | | | .50"-.63" (12.7-15.9) | **SHC1040CR** | **SHC2040CR** | **CG810NM** |
| | | | .63"-.75" (15.9-19.0) | **SHC1041CR** | **SHC2041CR** | **074011341** |
| | | | .75"-.88" (19.0-22.2) | **SHC1042CR** | **SHC2042CR** | **074011342** |
| | | | .88"-1.00" (22.2-25.4) | **SHC1043CR** | **SHC2043CR** | **074011343** |
| | *Note: Includes Locknut.* | | .59"-1.00" (15.0-25.4) | **SEC100GA** | **SEC100BA** | — |



**HBL3080BK**



**HBL3080F**

### Covers for Portable Outlet Boxes and Panels

| | Description | UL Type 3R | UL Type 1 |
|---|---|---|---|
| Box Covers | Outlet box cover, duplex receptacle | **HBL3056** | **HBL3051** |
| | Outlet box cover, 1.39" diameter receptacle | **HBL3057** | **HBL3052** |
| | Outlet box cover, 1.572" diameter receptacle | **HBL3058** | **HBL3055** |
| | Outlet box cover; GFCI | **HBL3061** | **HBL3060** |
| | Outlet box coverplate, blank | **HBL3054** | — |

**UL Type 3R**



**HBL3056** **HBL3057**

**UL Type 1**



**HBL3051** **HBL3052**



HBLPOB1



White POB



Cover Plates



Deluxe Cord Grips (purchased separately)



Gray Nylon Cord Connector

## Heavy Duty Portable Outlet Boxes and Cover Plates

| Description | Catalog Number |
|---|---|
| Box with cord strain relief, with one blank cover plate. | **HBLPOB1** |
| White box with cord strain relief, one blank white cover plate. | **HBLPOB1L** |
| Box with cord strain relief, with one blank cover plate, black. | **HBLPOB1BK** |
| Box with cord strain relief, with two duplex (indoor) cover plates. | **HBLPOB1D** |
| White box with cord strain relief, with two white duplex (indoor) cover plates. | **HBLPOB1DL** |
| Box with cord strain relief, with two duplex (indoor), yellow cover plates. | **HBLPOB1DY** |
| Blank, non-metallic FS cover plate with foam gasket, gray. | **HBLP14FS** |
| Blank, non-metallic FS cover plate with foam gasket, white. | **HBLP14FSL** |
| Duplex, non-metallic FS cover plate, gray. | **HBLP8FS** |
| Duplex, non-metal FS cover plate, white. | **HBLP8FSL** |
| Duplex, non-metallic FS cover plate, yellow. | **HBLP8FSY** |
| Single receptacle (1.39"), non-metallic FS cover plate, gray. | **HBLP7FS** |
| Single receptacle (1.56"), non-metallic FS cover plate, gray. | **HBLP720FS** |
| Rectangular opening, non-metallic FS cover plate, gray. | **HBLP26FS** |
| Rectangular opening, non-metallic FS cover plate, White. | **HBLP26FSL** |

## Other Cover Plates and Devices

**which may be used with Heavy Duty Portable Outlet Boxes**

| Description | Catalog Number |
|---|---|
| Duplex cover plate, weatherproof. | **HBL5221, HBL52CM21** |
| Single receptacle (1.39") cover plate, weatherproof. | **HBL7423WO, HBL74CM23WO** |
| Single receptacle (1.56") cover plate, weatherproof. | **HBL7425WOA, HBL74CM25WOA** |
| Safety-Shroud Twist-Lock® surface receptacles. | **HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR** |

*Note: Standard product gray, CM yellow.*

## Deluxe Cord Grips Straight Male Thread

**Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables**

| Grip Diameter Range Inches (cm.) | Thread Size NPT (inches) | Form Size | Catalog Number |
|---|---|---|---|
| .375"-.500" (.97-1.27) | ¾" | F3 | **074011335** |
| .500"-.625" (1.27-1.59) | ¾" | F3 | **074011336** |
| .625"-.750" (1.59-1.90) | ¾" | F3 | **074011337** |

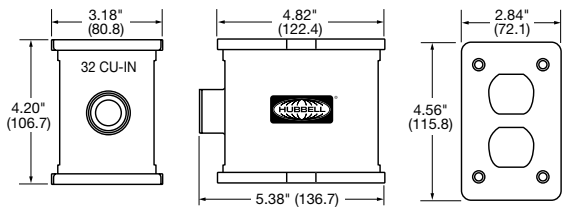
## Nylon Cord Connector Straight Male Thread

| Grip Diameter Range Inches (cm.) | Thread Size NPT (inches) | Form Size | Catalog Number |
|---|---|---|---|
| .375"-.500" (.97-1.27) | ¾" | F3 | **SHC1035CR** |
| .500"-.625" (1.27-1.59) | ¾" | F3 | **SHC1036CR** |
| .625"-.750" (1.59-1.90) | ¾" | F3 | **SHC1037CR** |

## Specifications for Heavy Duty Portable Outlet Boxes and Cover Plates

| | |
|---|---|
| UL Listed | UL 514C, UL467 and UL50 Enclosures Types 1, 3R. |
| CSA Certified | C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance). |
| Box Specifications: | |
| Moisture Resistance | Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates. |
| Flammability | UL 94V-0, 94-5VA classification. |
| Operating Temperature | 80°C maximum; -35°C minimum. |
| UV Resistance | All materials are UV stabilized. |
| Impact and Crush Resistance | in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94. |
| Material | Valox®. |
| Cord Connector Materials | Nylon nut; Nylon Gotcha® ring; Neoprene grommet. |
| Cord Diameter Range | .38" to .75" diameter. |
| Bonding Strap Material | Brass. |
| Threaded Inserts | Brass. |
| Grounding Screw Material | Brass. |
| Indoor Cover Plate Screws Material | Zinc Plated Steel. |
| Outdoor Cover Plate Screws Material | Stainless Steel. |
| Cover Plate Gasket Material | UL recognized closed-cell foam (aging and oil resistant). |

## Dimensions




HBLPOB1

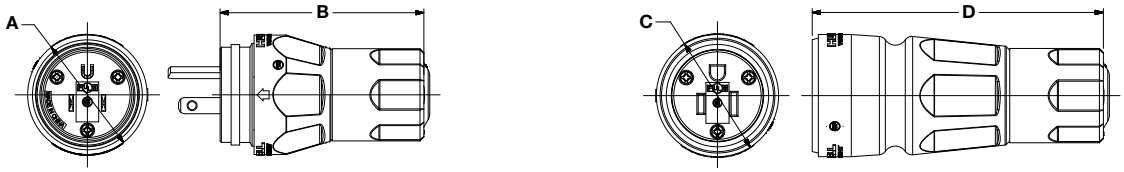
*Dimensions in Inches (mm)*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Plugs and Connectors Inches (mm)

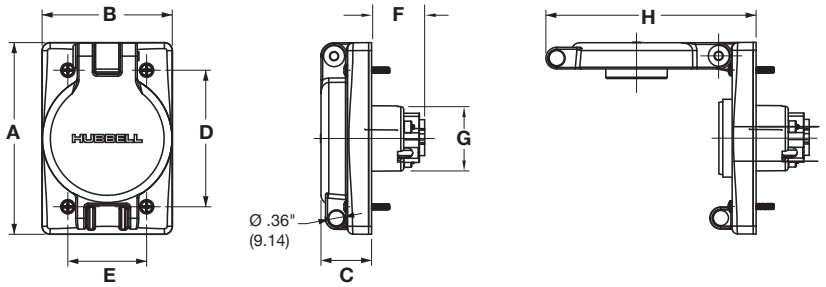
| | | 15A & 20A Straight Blade | 15A Non-NEMA Straight Blade | 15A Twist-Lock® | 20A Twist-Lock® | 30A Twist-Lock® |
|---|---|---|---|---|---|---|
| Plugs | **A** | 1.85" (47.07) | 1.63" (41.40) | 1.85" (47.07) | 2.51" (63.70) | 2.77" (70.41) |
| | **B** | 3.16" (80.27) | 2.68" (68.00) | 3.21" (81.46) | 3.96" (100.69) | 3.94" (99.98) |
| Connectors | **C** | 1.85" (47.07) | 1.80" (46.00) | 1.85" (47.07) | 2.51" (63.70) | 2.77" (70.41) |
| | **D** | 4.42" (112.14) | 4.00" (102.00) | 4.62" (117.22) | 5.69" (144.55) | 5.67" (144.00) |

*Note: For HBL26W09 and HBL27W09 use 30A Twist-Lock® dimensions.*




## Receptacles with Lift Covers Inches (mm)

| | 15A & 20A Straight Blade | 15A Twist-Lock® | 20A Twist-Lock® | 20A Non-NEMA | 30A Twist-Lock® | 30A Non-NEMA |
|---|---|---|---|---|---|---|
| **A** | 4.56" (115.9) | 4.56" (115.9) | 4.56" (115.9) | 4.56" (115.9) | 4.56" (115.9) | 4.56" (115.9) |
| **B** | 3.10" (78.7) | 3.10" (78.7) | 3.10" (78.7) | 3.10" (78.7) | 3.10" (78.7) | 3.10" (78.7) |
| **C** | 1.20" (30.6) | 1.20" (30.6) | 1.20" (30.6) | 1.20" (30.6) | 1.20" (30.6) | 1.20" (30.6) |
| **D** | 3.25" (82.6) | 3.25" (82.6) | 3.25" (82.6) | 3.25" (82.6) | 3.25" (82.6) | 3.25" (82.6) |
| **E** | 1.88" (47.6) | 1.88" (47.6) | 1.88" (47.6) | 1.88" (47.6) | 1.88" (47.6) | 1.88" (47.6) |
| **F** | 1.26" (32.0) | 1.46" (37.1) | 1.72" (43.7) | 2.26" (57.4) | 1.72" (43.7) | 1.97" (50.0) |
| **G** | 1.63" (41.4) | 1.63" (41.4) | 2.25" (57.2) | 2.25" (57.2) | 2.25" (57.2) | 2.25" (57.2) |
| **H** | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) |



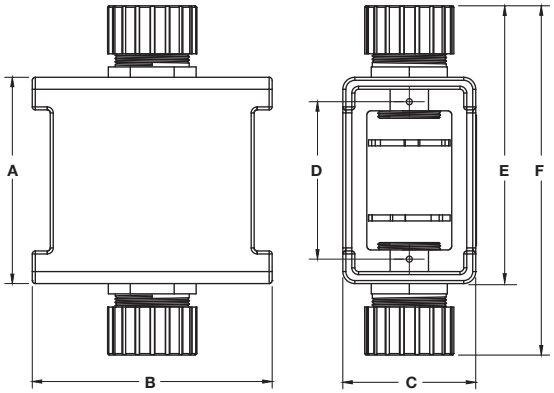

## Portable Outlet Boxes Inches (mm)

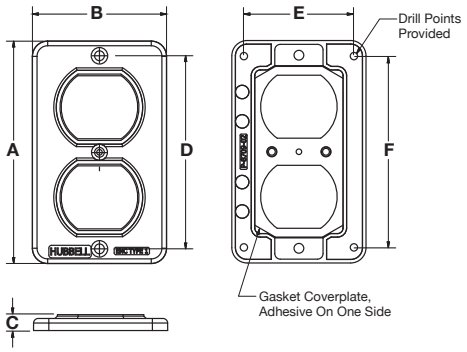
| | Pre-Assembled | Configurable |
|---|---|---|
| **A** | 4.30" (109.2) | 4.30" (109.2) |
| **B** | 5.00" (127.0) | 5.00" (127.0) |
| **C** | 2.77" (70.4) | 2.77" (70.4) |
| **D** | 3.28" (83.3) | 3.28" (83.3) |
| **E** | 5.79" (147.0) | — |
| **F** | 7.28" (184.9) | — |

## Box Covers Inches (mm)

| | Covers |
|---|---|
| **A** | 3.78" (96.0) |
| **B** | 2.28" (57.9) |
| **C** | 0.27" (6.9) |
| **D** | 3.28" (83.3) |
| **E** | 1.87" (47.5) |
| **F** | 3.25" (82.6) |

*Note: Style shown is representative of all openings.*




*Dimensions in Inches (mm)*

## Materials

### Plug/Connector

| Part | Materials |
|---|---|
| Blade/Contact Carrier | Nylon, white |
| Terminal Retainer | Polycarbonate, clear |
| Housing | Thermoplastic elastomer |
| Housing Insert | Nylon, white |
| Strain Relief Nut | PBT thermoplastic, gray |
| Blades/Contacts | Brass, nickel plated |
| Terminal Screws | Brass |
| Terminal Screw Size | #8-32 15A/20A Straight Blade and 15A Twist-Lock®; #10-32 20A and 30A Twist-Lock |
| Assembly Screws | Stainless Steel |
| Bushings | Thermoplastic elastomer, black |
| Gotcha Ring | Nylon |
| Cone Seal | Thermoplastic elastomer, black |
| Closure Cap | Thermoplastic elastomer |

### Receptacle Assembly

| Part | Materials |
|---|---|
| Base, Flip Lid and Backplate | PBT |
| Seal Collar | Thermoplastic elastomer |
| Mounting Screws | Stainless Steel |
| Spring and Hinge Pin | Stainless Steel |

### Portable Outlet Box and Accessories

| Part | Materials |
|---|---|
| Box Enclosure | Thermoplastic elastomer |
| Strain Relief Nut | PBT |
| Grommet | Thermoplastic elastomer |
| Gotcha Ring | Nylon |
| Locknut | Steel, zinc plate |
| Threaded Inserts | Brass |
| Receptacle Screw | Stainless steel |
| Cover Plate | PBT |
| Cover Plate Seal | Neoprene |
| Cover Plate Spring | Stainless steel |
| Hinge Pin | Stainless steel |
| Hinge Bracket | Zinc plated steel |
| Rivets | Zinc plated steel |

## Specifications

| Listings (Plug/Connector and Flip Lid Assembly) |
|---|
| Listed to UL498 |
| Certified to CSA C22.2 No. 42 |
| Meets NEMA WD-1, WD-6, and ANSI standards |
| IP66 Suitability |
| NSF Certified (Plugs, Connectors and Receptacles) |

### FD Box/Adapter

| Part | Materials |
|---|---|
| Box Enclosure | PBT |
| Ground Bracket | 316 Stainless Steel |
| Ground Screw | Brass |
| Angle Adapter | PBT |

### Environmental

| | |
|---|---|
| Box | UL Type 4X<br>(with UL Type 4X receptacle assembly)<br>UL Type 3R<br>(with weatherproof cover plate) |

## Performance

### Electrical

| | |
|---|---|
| Dielectric Voltage | |
| Connectors: | 2000V AC if rated 300V or less; 3000V AC if rated above 300V |
| Plugs: | 2500V AC if rated 300V or less; 3500V AC if rated above 300V |
| Max Working Voltage | As marked |
| Current Interrupting | Rated for current interruption per UL498 |
| Temperature Rise | 30°C max per UL498 at rated current |

### Mechanical

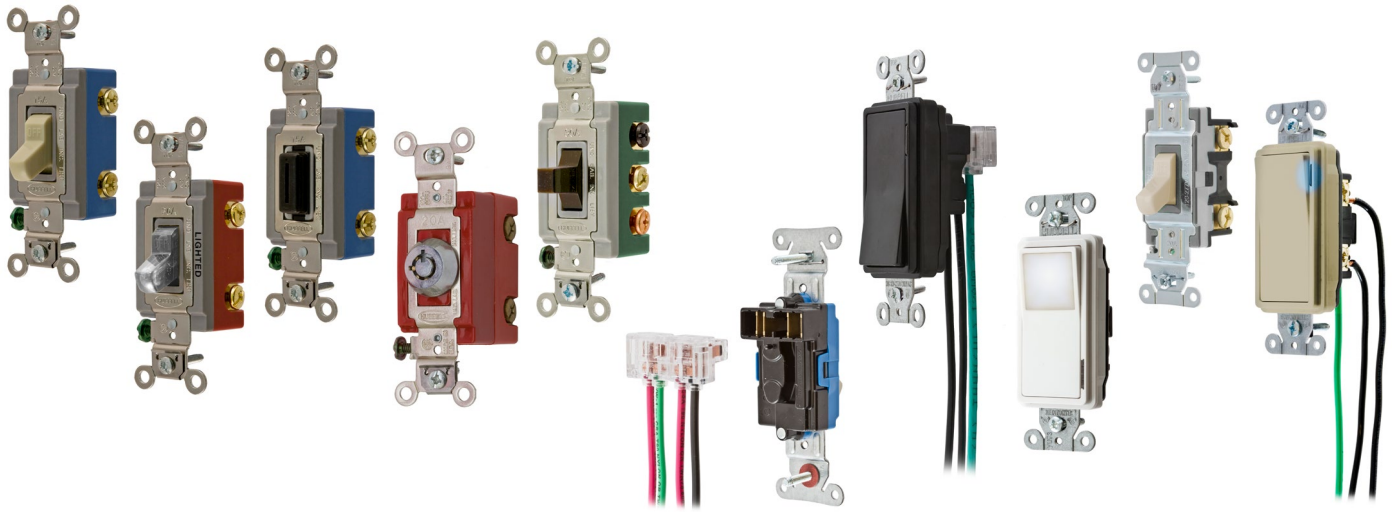
| Cord and terminal accommodations: | |
|---|---|
| **Plugs and Connectors** | |
| 15 and 20A Straight Blade and 15A Locking | 16/3 SJ to 10/3 SJ, 18/3 S to 12/3 S, (Ø.325" to Ø625") (Ø8.3mm to Ø15.9 mm) |
| 20A Locking Except HBL26W09 & HBL27W09 | Min. Cord: 16/3 SJ, 18/3 S, 18/4 SJ, 18/4 S, 18/5 S, (Ø.325") (Ø8.3 mm)<br>Max. Cord: 10/3 S, 10/4 S, 10/5 S (.875") (22.2 mm) |
| 30A Locking Including HBL26W09 & HBL27W09 | Min Cords: 12/3 SJ, 16/3 S, 14/4 SJ, 18/4 S, 18/5 S, (Ø.375") (Ø9.5 mm)<br>Max Cord: 8/3 S, 8/4 S, 10/5 S (1.125") (28.6 mm) |
| **Receptacles – use solid or stranded building wire or flexible cord only as outlined below:** | |
| All Straight Blade | 18 AWG to 10 AWG |
| 15A Locking | 18 AWG to 10 AWG |
| 20A and 30A Locking | 18 AWG to 8 AWG |
| **Portable Outlet Boxes** | |
| Cord Range | .38" to .68" (HBL3099, HBL3090F, HBL3000) and .38" to 1.00" with user-specified cord connector |
| Wiring Volume | 19.0 $in^3$ |

### Environmental

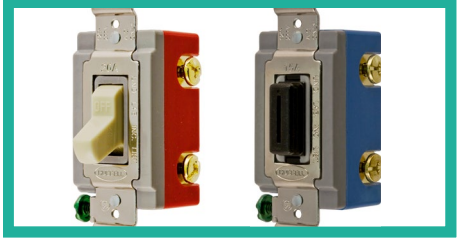
| | |
|---|---|
| Moisture Resistance | UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (Plugs and connectors); 3R, 3RX, 4, 4X (Receptacles); Wet and Damp Locations (Portable outlet boxes); Covers (POB) UL Type 3R and Wet Locations cover closed |
| Flammability | UL94V0 (boxes, covers, and plates); UL94V2 (Plugs, connectors, and interiors); UL94HB (Caps, bushings, and cone seals) |
| Operating Temperatures | -40°C (without impact) to +60°C continuous |
| UV Resistance | All exposed materials are UV stabilized |

# SECTION D

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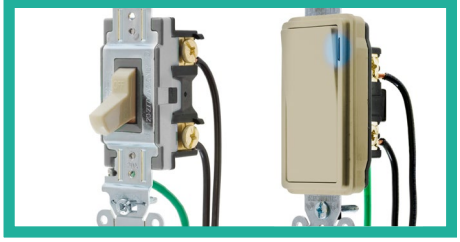
HBL® Extra Heavy Duty Industrial Grade Switches



SNAPConnect® Toggle and Decorator Switches



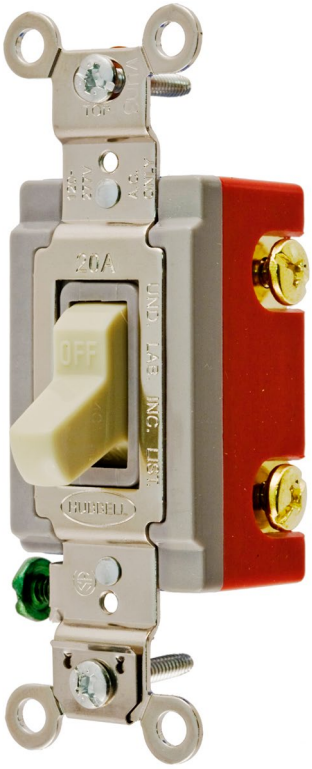
Pre-Wired/Leaded Commercial Switches




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| HBL® Extra Heavy Duty Industrial Grade Series | |
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| Low Voltage, Maintained and Momentary Contact | D-16 |
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| Slide and Rotary Control Dimmers | D-20 |
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| Heavy Duty Panel Mount and Bat Handle Switches | D-22 |
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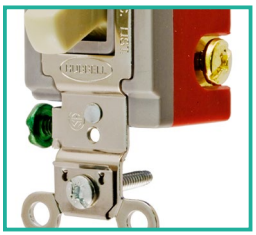
## Features and Benefits




### HBL® Extra Heavy Duty Industrial Grade

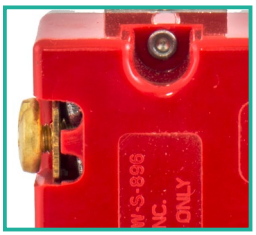
The HBL® Switch provides the safest and most reliable design for heavy-duty Industrial environments.

- 15, 20 and 30 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Locking Both Standard and Rotary
- 3 Position Momentary and Maintained
- Abuse Resistant Nylon Toggle



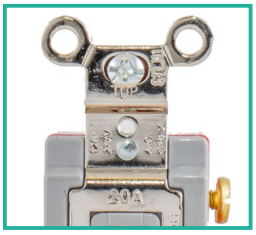
### Housing Design

- One-piece design engineered thermoset base for superior heat dissipation
- One-piece design high impact-resistant thermoplastic front for heavy-duty industrial environments
- Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box



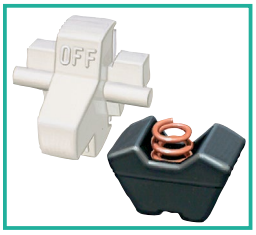
### Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



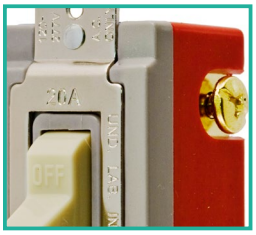
### Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel nickel plated mounting strap provides a superior corrosion resistant finish
- Thread cleaning captive mounting screw



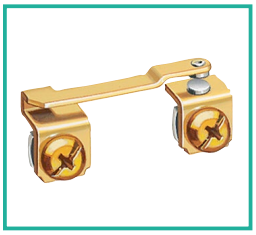

### Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation




### Identification

- Color coded base identifies amperage when terminating connections, 15A (Blue), 20A (Red) and 30A (Green)
- Prominent amperage marking allows easy identification of rating



### Contacts

- One-piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Large silver alloy contacts reduce contact erosion and prevent welding, providing long life

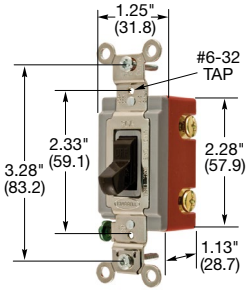
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## HBL® Extra Heavy Duty Industrial Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Black | **HBL1201BK** | — | **HBL1203BK** | **HBL1204BK** |
| | Brown | **HBL1201** | **HBL1202** | **HBL1203** | **HBL1204** |
| | Gray | **HBL1201GY** | — | **HBL1203GY** | **HBL1204GY** |
| | Ivory | **HBL1201I** | **HBL1202I** | **HBL1203I** | **HBL1204I** |
| | Light Almond | **HBL1201LA** | — | — | — |
| | Red | **HBL1201R** | — | — | — |
| | White | **HBL1201W** | — | **HBL1203W** | **HBL1204W** |

## 20A, 120/277V AC

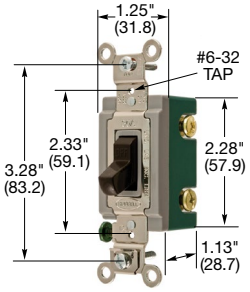
| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Black | **HBL1221BK** | **HBL1222BK** | **HBL1223BK** | **HBL1224BK** |
| | Brown | **HBL1221** | **HBL1222** | **HBL1223** | **HBL1224** |
| | Gray | **HBL1221GY** | **HBL1222GY** | **HBL1223GY** | **HBL1224GY** |
| | Ivory | **HBL1221I** | **HBL1222I** | **HBL1223I** | **HBL1224I** |
| | Light Almond | **HBL1221LA** | **HBL1222LA** | **HBL1223LA** | **HBL1224LA** |
| | Red | **HBL1221R** | **HBL1222R** | **HBL1223R** | **HBL1224R** |
| | White | **HBL1221W** | **HBL1222W** | **HBL1223W** | **HBL1224W** |




**HBL1221**

## 30A, 120/277V AC

| Description | Key Guide Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon toggle. | Brown | **HBL3031** | **HBL3032** | **HBL3033** | — |
| | Ivory | **HBL3031I** | **HBL3032I** | **HBL3033I** | — |
| | White | — | **HBL3032W** | — | — |



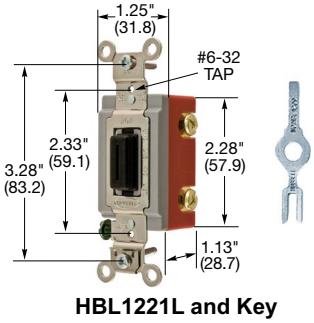

**HBL3031**

## HBL® Extra Heavy Duty Industrial Locking Series, 15A, 120/277V AC

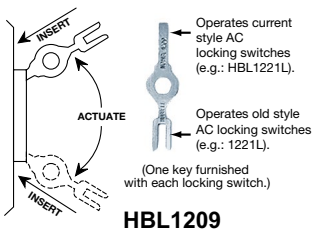
| Description | Key Guide Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Key Guide, back and side wired. | Black | **HBL1201L** | **HBL1202L** | **HBL1203L** | **HBL1204L** |
| | Gray | **HBL1201LG** | **HBL1202LG** | **HBL1203LG** | **HBL1204LG** |
| | Ivory | **HBL1201LI** | **HBL1202LI** | **HBL1203LI** | **HBL1204LI** |
| | White | **HBL1201LW** | **HBL1202LW** | **HBL1203LW** | **HBL1204LW** |
| Key for Locking switch. | | **HBL1209** | | | |

## 20A, 120/277V AC

| Description | Key Guide Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Key Guide, back and side wired. | Black | **HBL1221L** | **HBL1222L** | **HBL1223L** | **HBL1224L** |
| | Gray | **HBL1221LG** | **HBL1222LG** | **HBL1223LG** | **HBL1224LG** |
| | Ivory | **HBL1221LI** | **HBL1222LI** | **HBL1223LI** | **HBL1224LI** |
| | White | **HBL1221LW** | **HBL1222LW** | **HBL1223LW** | **HBL1224LW** |
| Key for Locking switch. | | **HBL1209** | | | |




**HBL1221L and Key**

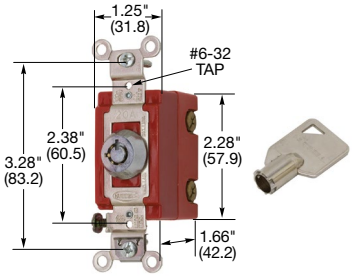



**HBL1209**

## HBL® Extra Heavy Duty Industrial AC Barrel Key Locking Switch†, 20A, 120/277V AC

| Description | Key Guide Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Chrome operator, back and side wired. | Chrome | **HBL1221RKL*** | **HBL1222RKL*** | **HBL1223RKL*** | **HBL1224RKL*** |
| Replacement Barrel Key. | | **HBL1209RKL** | | | |

*Note: Keys are supplied with each locking switch. For extra keys order HBL1209.*
**Not Fed. Spec.*
*† See Wallplate section, page O-17 for locking switch wallplates.*
*See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

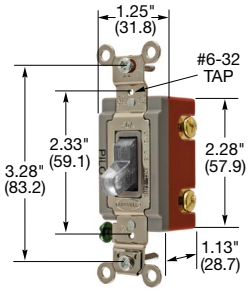



**HBL1222RKL and Key**

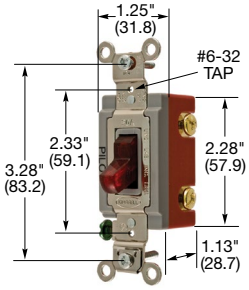
**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| 15A | .5HP | 1.5HP | 2HP | 2HP |
| 20A | 1HP | 2HP | 2HP | 2HP |
| 30A | 2HP | 2HP | 2HP | 2HP |

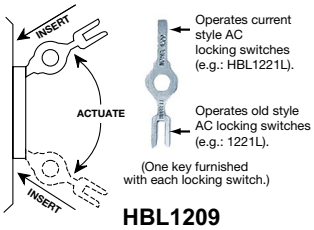
*Dimensions in Inches (mm)*



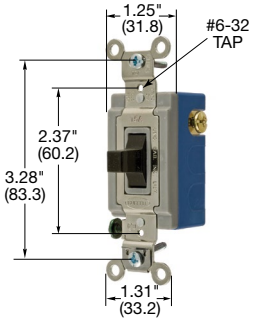

**HBL1221ILC**



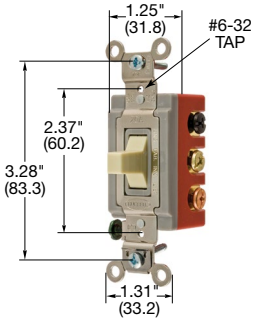

**HBL1221PL**




**HBL1209**




**HBL1381**




**HBL1386I**

*Dimensions in Inches (mm)*

## HBL® Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light ON with Load OFF

| Description | Toggle Color | Rating | Single Pole | Double Pole | Three Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Ivory | 15A 120/277V AC | **HBL1201IL** | — | **HBL1203IL** |
| | Ivory | 20A 120/277V AC | **HBL1221IL** | — | **HBL1223IL** |
| | Clear | | **HBL1221ILC** | — | **HBL1223ILC** |
| | Red | | **HBL1221ILR** | — | — |

## HBL® Extra Heavy Duty Industrial Series, Pilot Light Switches, Light ON with Load ON

| Description | Toggle Color | Rating | Single Pole | Double Pole | Three Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Red | 15A 120/277V AC | **HBL1201PL** | — | **HBL1203PL** |
| | Red | 20A 120/277V AC | **HBL1221PL** | **HBL1222PL** | **HBL1223PL** |
| | Clear | | **HBL1221PLC** | — | **HBL1223PLC** |
| | Green | | **HBL1221PLG** | — | — |
| | Red | 30A 120/277V AC | **HBL3031PL** | **HBL3032PL** | — |

## HBL® Extra Heavy Duty Industrial Series, Momentary Contact, Specification Grade, Three Position, Two Circuit, Center OFF

| Description | Toggle Color | 15A, 120/277V AC | 20A, 120/277V AC |
|---|---|---|---|
| Nylon toggle, back and side wired. | Brown | **HBL1556** | **HBL1557** |
| | Gray | **HBL1556GY** | **HBL1557GY** |
| | Ivory | **HBL1556I** | **HBL1557I** |
| | Light Almond | **HBL1556LA** | **HBL1557LA** |
| | Red | **HBL1556R** | — |
| | White | **HBL1556W** | **HBL1557W** |
| Key guide, back and side wired. | Black | **HBL1556L** | **HBL1557L** |
| | Gray | **HBL1556LG** | **HBL1557LG** |
| | Ivory | **HBL1556LI** | **HBL1557LI** |
| | White | **HBL1556LW** | **HBL1557LW** |
| Key for Locking switch. | | **HBL1209** | |

## HBL® Extra Heavy Duty Industrial Series, Maintained Contact, Specification Grade, Three Position, Two Circuit, Center OFF, Single Pole, Double Throw

| Description | Toggle Color | 15A 120/277V AC | 20A 120/277V AC | 30A 120/277V AC |
|---|---|---|---|---|
| Nylon toggle, back and side wired. | Brown | **HBL1381** | **HBL1385** | — |
| | Ivory | **HBL1381I** | **HBL1385I** | — |
| | White | — | **HBL1385W** | — |

## Three Position, Two Circuit, Center OFF, Double Pole, Double Throw

| Description | Toggle Color | 15A 120/277V AC | 20A 120/277V AC | 30A 120/277V AC |
|---|---|---|---|---|
| Nylon toggle, back and side wired. | Brown | **HBL1382** | **HBL1386** | **HBL1388** |
| | Ivory | **HBL1382I** | **HBL1386I** | **HBL1388I** |
| Locking. | | — | **HBL1386L** | — |
| Key for Locking switch. | | — | **HBL1209** | — |

*Note: Keys are supplied with each locking switch. For extra keys order HBL1209.*
*See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

**HP Conversion Chart**

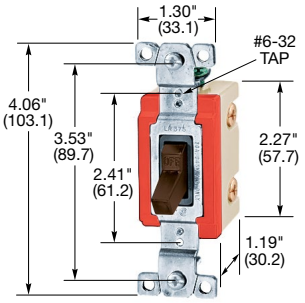
| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| 15A | .5HP | 1.5HP | 2HP | 2HP |
| 20A | 1HP | 2HP | 2HP | 2HP |
| 30A | 2HP | 2HP | 2HP | 2HP |

## HBL® Extra Heavy Duty Industrial Series, 15A, 347V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Brown | **HBL18201CN** | — | **HBL18203CN** | — |
| | Ivory | **HBL18201ICN** | — | **HBL18203ICN** | **HBL18204ICN** |
| | White | **HBL18201WCN** | — | **HBL18203WCN** | — |
| Locking. | | **HBL18201LCN** | — | **HBL18203LCN** | — |
| Key for Locking switch. | | **HBL1209*** | | | |

## 20A, 347V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Brown | **HBL18221CN** | — | **HBL18223CN** | — |
| | Ivory | **HBL18221ICN** | — | **HBL18223ICN** | — |
| | White | **HBL18221WCN** | | **HBL18223WCN** | |



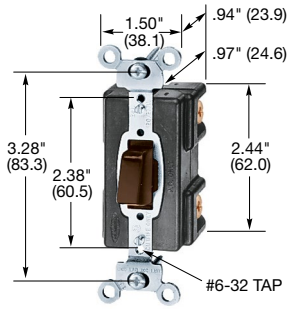

**HBL18221CN**

## PresSwitch® Specification Grade Push Button, Standard Type 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon actuator, side wired only. | Brown | **HBL1281** | **HBL1282** | **HBL1283*** | **HBL1284*** |
| | Ivory | **HBL1281I** | **HBL1282I** | **HBL1283I*** | **HBL1284I*** |

## Momentary Type** 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Circuit normally closed, side wired only. | Brown | **HBL1281MC*** | — | — | — |
| Circuit normally open, side wired only. | Brown | **HBL1281MO*** | — | — | — |



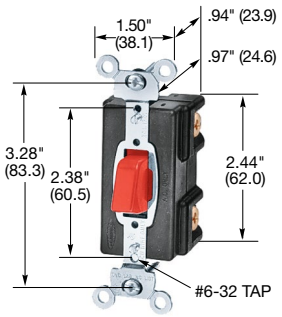

**HBL1281**

## Illuminated and Pilot Light PresSwitch®, 120V AC Lighted Actuator, Light ON with Load OFF**

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| 15A, nylon actuator. | Ivory | — | — | — | **HBL1259I*** |
| 20A, nylon actuator. | Ivory | **HBL1287I** | — | **HBL1288I*** | — |

## Pilot Light Actuator, Light ON with Load ON, 20A, 120V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon actuator. | Red | **HBL1297** | — | **HBL1298*** | — |



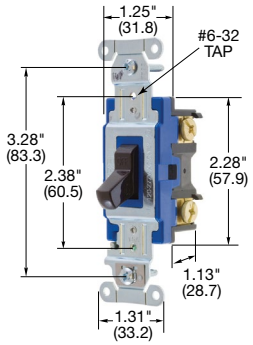

**HBL1297**

*Note: Keys are supplied with each locking switch. For extra keys order HBL1209.*
**Not UL Listed, CSA Certified.*
***Not HP rated.*
*See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

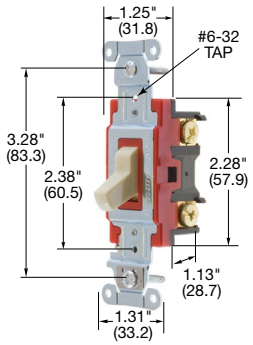
**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| 15A | .5HP | 1.5HP | 2HP | 2HP |
| 20A | 1HP | 2HP | 2HP | 2HP |
| 30A | 2HP | 2HP | 2HP | 2HP |

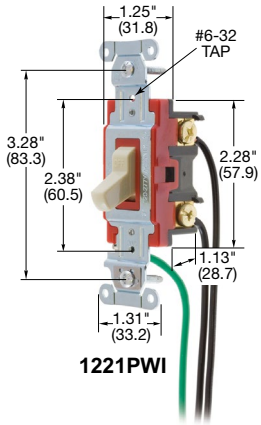
*Dimensions in Inches (mm)*



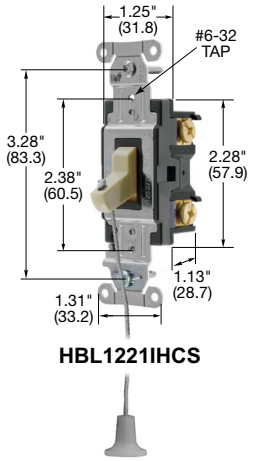

1201BK




1221I




1221PWI




HBL1221IHCS

*Dimensions in Inches (mm)*

## Hubbell-PRO Heavy Duty Industrial Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Black | **1201BK** | — | **1203BK** | — |
| | Brown | **1201B** | — | **1203B** | — |
| | Gray | **1201GY** | — | **1203GY** | — |
| | Ivory | **1201I** | — | **1203I** | — |
| | Light Almond | **1201LA** | — | **1203LA** | — |
| | White | **1201W** | — | **1203W** | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Black | **1221BK** | **1222BK** | **1223BK** | **1224BK** |
| | Brown | **1221B** | **1222B** | **1223B** | **1224B** |
| | Gray | **1221GY** | **1222GY** | **1223GY** | **1224GY** |
| | Ivory | **1221I** | **1222I** | **1223I** | **1224I** |
| | Light Almond | **1221LA** | **1222LA** | **1223LA** | **1224LA** |
| | Red | **1221R** | **1222R** | **1223R** | **1224R** |
| | White | **1221W** | **1222W** | **1223W** | **1224W** |

## Hubbell-PRO Pre-Wired/Leaded Heavy Duty Industrial Series, 20A, 120/277V AC - 8 Inch #12 AWG THHN

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, Pre-wired leads. | Black | **1221PWBK** | **1222PWBK** | **1223PWBK** | **1224PWBK** |
| | Brown | **1221PWB** | **1222PWB** | **1223PWB** | **1224PWB** |
| | Gray | **1221PWGY** | **1222PWGY** | **1223PWGY** | **1224PWGY** |
| | Ivory | **1221PWI** | **1222PWI** | **1223PWI** | **1224PWI** |
| | Light Almond | **1221PWLA** | **1222PWLA** | **1223PWLA** | **1224PWLA** |
| | Red | **1221PWR** | **1222PWR** | **1223PWR** | **1224PWR** |
| | White | **1221PWW** | **1222PWW** | **1223PWW** | **1224PWW** |

## Hubbell-PRO Hospital Call Switch with Lanyard, 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Gray | **HBL1221GHCS** | — | — | — |
| | Ivory | **HBL1221IHCS** | — | — | — |
| | White | **HBL1221WHCS** | — | — | — |

*Note: See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| 15A | .5HP | 1.5HP | 2HP | 2HP |
| 20A | 1HP | 2HP | 2HP | 2HP |

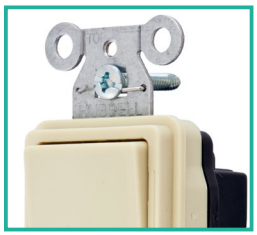
## Features and Benefits

### SNAPConnect® Heavy Duty Toggle and Decorator Series

SNAPConnect® Devices offer superior installation efficiency for new construction and renovations, while delivering safe, reliable connections. Instead of conventional wiring methods, SNAPConnect's modular connector is installed during rough-in in lieu of pigtails. Once the walls are up, the protective covering is removed and the terminal is simply snapped into the SNAPConnect device for a consistent connection every time. Once installed, SNAPConnect's modular design enables simple device change-out by maintenance personnel.

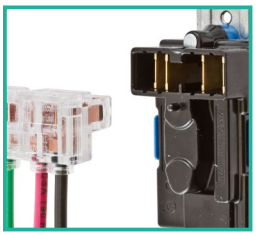
- SNAPConnect® Eliminates Exposed Live Terminals on the Device
- Complete Trim-Out in Less Than One Minute
- Abuse Resistant Nylon Toggle for Heavy Use Applications
- Stainless Steel Autoground
- Large Silver Alloy Contacts Reduce Contact Erosion Providing Long Life
- Many of these Products are Assembled in USA, Please Contact Hubbell with any Certification Requirements





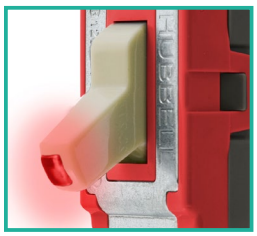
**Housing Design**

- Thermoplastic top and base material
- Steel, zinc plated bridge is corrosion resistant
- Thread cleaning captive mounting screw



**Assembly**

- SNAPConnect® eliminates exposed live terminals on the device
- Termination method uses a SNAP-In Connector. Wiring the connector into the wall box can be done prior to trim out; changing or replacing switches is also a "SNAP"



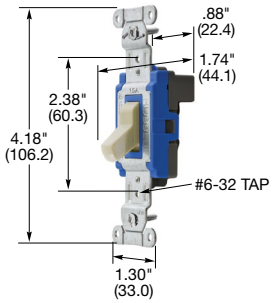
**LED Technology**

- Pilot and Illuminated versions use LEDs for longer life

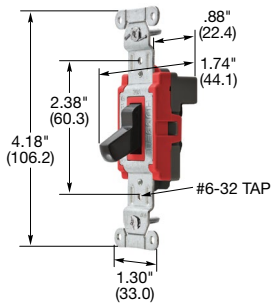


**Pigtailed Connectors**

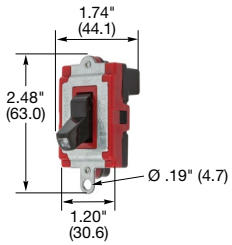
- Clear right angle terminal, 6 inch leads, solid or stranded wire
  - 3 wire connector for single pole and single pole illuminated
  - 4 wire connector for single pole pilot light switch
  - 4 wire connector for three way and three way illuminated




**SNAP1201INA**




**SNAP1221BKNA**




**SNAPSWJUMP**



**SNAPSP1NA**





**SNAPSPP1NA**

**SNAP3W1NA**

**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| **15A** | .5HP | 1.5HP | 2HP | 2HP |
| **20A** | 1HP | 2HP | 2HP | 2HP |

*Dimensions in Inches (mm)*

## SNAP*Connect*® Specification Grade Toggle Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| SNAP*Connect*® Toggle. | Black | **SNAP1201BKNA** | — | **SNAP1203BKNA** | — |
| | Brown | **SNAP1201BRNA** | — | **SNAP1203BRNA** | — |
| | Gray | **SNAP1201GYNA** | — | **SNAP1203GYNA** | — |
| | Ivory | **SNAP1201INA** | — | **SNAP1203INA** | — |
| | Lt. Almond | **SNAP1201LANA** | — | **SNAP1203LANA** | — |
| | Red | **SNAP1201RNA** | — | **SNAP1203RNA** | — |
| | White | **SNAP1201WNA** | — | **SNAP1203WNA** | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| SNAP*Connect*® Toggle. | Black | **SNAP1221BKNA** | — | **SNAP1223BKNA** | — |
| | Brown | **SNAP1221BRNA** | — | **SNAP1223BRNA** | — |
| | Gray | **SNAP1221GYNA** | — | **SNAP1223GYNA** | — |
| | Ivory | **SNAP1221INA** | — | **SNAP1223INA** | — |
| | Lt. Almond | **SNAP1221LANA** | — | **SNAP1223LANA** | — |
| | Red | **SNAP1221RNA** | — | **SNAP1223RNA** | — |
| | White | **SNAP1221WNA** | — | **SNAP1223WNA** | — |

## Illuminated, Light ON with Load OFF, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Illuminated, Light ON with Load OFF, Toggle, Blue LED. | Black | **SNAP1201ILBKNA** | — | **SNAP1203ILBKNA** | — |
| | Ivory | **SNAP1201ILINA** | — | **SNAP1203ILINA** | — |
| | Red | **SNAP1201ILRNA** | — | **SNAP1203ILRNA** | — |
| | White | **SNAP1201ILWNA** | — | **SNAP1203ILWNA** | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Illuminated, Light ON with Load OFF, Toggle, Blue LED. | Black | **SNAP1221ILBKNA** | — | **SNAP1223ILBKNA** | — |
| | Ivory | **SNAP1221ILINA** | — | **SNAP1223ILINA** | — |
| | Red | **SNAP1221ILRNA** | — | **SNAP1223ILRNA** | — |
| | White | **SNAP1221ILWNA** | — | **SNAP1223ILWNA** | — |

## Pilot, Light ON with Load ON, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Pilot, Light ON with Load ON, Toggle, Red LED. | Black | **SNAP1201PLBKNA** | — | — | — |
| | Ivory | **SNAP1201PLINA** | — | — | — |
| | Red | **SNAP1201PLRNA** | — | — | — |
| | White | **SNAP1201PLWNA** | — | — | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Pilot, Light ON with Load ON, Toggle, Red LED. | Black | **SNAP1221PLBKNA** | — | — | — |
| | Ivory | **SNAP1221PLINA** | — | — | — |
| | Red | **SNAP1221PLRNA** | — | — | — |
| | White | **SNAP1221PLWNA** | — | — | — |

## Jumper/Tester

| Description | Catalog Number |
|---|---|
| Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator. | **SNAPSWJUMP** |
| Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator. | **SNAP3WJUMP** |

## SNAP*Connect*® Switch Pigtailed Connector

| Description | 3 Wire Connector for Single Pole and Single Pole Illuminated | 4 Wire Connector for Single Pole with Pilot Light | 4 Wire Connector for 3 Way and 3 Way Illuminated |
|---|---|---|---|
| Clear right angle terminal, 6 inch leads, solid wire. | **SNAPSP1NA** | **SNAPSPP1NA** | **SNAP3W1NA** |
| Clear right angle terminal, 6 inch leads, stranded wire. | **SNAPSP2NA** | **SNAPSPP2NA** | **SNAP3W2NA** |

*Note: See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

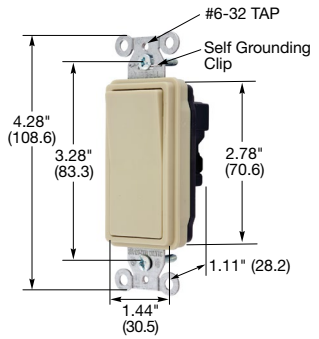
***Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.***

## SNAP*Connect*® Specification Grade Style Line® Decorator Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| SNAP*Connect*® Rocker. | Black | **SNAP2101BKNA** | — | **SNAP2103BKNA** | — |
| | Brown | **SNAP2101BRNA** | — | **SNAP2103BRNA** | — |
| | Gray | **SNAP2101GYNA** | — | **SNAP2103GYNA** | — |
| | Ivory | **SNAP2101INA** | — | **SNAP2103INA** | — |
| | Lt. Almond | **SNAP2101LANA** | — | **SNAP2103LANA** | — |
| | Red | **SNAP2101RNA** | — | **SNAP2103RNA** | — |
| | White | **SNAP2101WNA** | — | **SNAP2103WNA** | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| SNAP*Connect*® Rocker. | Black | **SNAP2121BKNA** | — | **SNAP2123BKNA** | — |
| | Brown | **SNAP2121BRNA** | — | **SNAP2123BRNA** | — |
| | Gray | **SNAP2121GYNA** | — | **SNAP2123GYNA** | — |
| | Ivory | **SNAP2121INA** | — | **SNAP2123INA** | — |
| | Lt. Almond | **SNAP2121LANA** | — | **SNAP2123LANA** | — |
| | Red | **SNAP2121RNA** | — | **SNAP2123RNA** | — |
| | White | **SNAP2121WNA** | — | **SNAP2123WNA** | — |



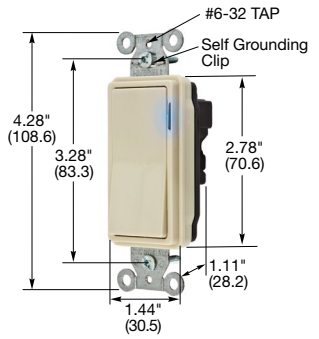

**SNAP2101INA**

## Illuminated, Light ON with Load OFF, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Illuminated, Light ON with Load OFF, Rocker, Blue LED. | Black | **SNAP2101ILBKNA** | — | **SNAP2103ILBKNA** | — |
| | Ivory | **SNAP2101ILINA** | — | **SNAP2103ILINA** | — |
| | Red | **SNAP2101ILRNA** | — | **SNAP2103ILRNA** | — |
| | White | **SNAP2101ILWNA** | — | **SNAP2103ILWNA** | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Illuminated, Light ON with Load OFF, Rocker, Blue LED. | Black | **SNAP2121ILBKNA** | — | **SNAP2123ILBKNA** | — |
| | Ivory | **SNAP2121ILINA** | — | **SNAP2123ILINA** | — |
| | Red | **SNAP2121ILRNA** | — | **SNAP2123ILRNA** | — |
| | White | **SNAP2121ILWNA** | — | **SNAP2123ILWNA** | — |



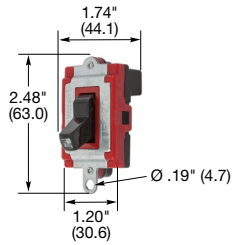

**SNAP2121ILINA**

## Pilot, Light ON with Load ON, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Pilot, Light ON with Load ON, Rocker, Red LED. | Black | **SNAP2101PLBKNA** | — | — | — |
| | Ivory | **SNAP2101PLINA** | — | — | — |
| | Red | **SNAP2101PLRNA** | — | — | — |
| | White | **SNAP2101PLWNA** | — | — | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Pilot, Light ON with Load ON, Rocker, Red LED. | Black | **SNAP2121PLBKNA** | — | — | — |
| | Ivory | **SNAP2121PLINA** | — | — | — |
| | Red | **SNAP2121PLRNA** | — | — | — |
| | White | **SNAP2121PLWNA** | — | — | — |




**SNAPSWJUMP**

## Jumper/Tester

| Description | Catalog Number |
|---|---|
| Jumper/Tester for Single Pole Circuits, Black Toggle, Blue LED Indicator. | **SNAPSWJUMP** |
| Jumper/Tester for Three Way Circuits, Black Toggle, Blue LED Indicator. | **SNAP3WJUMP** |

## SNAP*Connect*® Switch Pigtailed Connector

| Description | 3 Wire Connector for Single Pole and Single Pole Illuminated | 4 Wire Connector for Single Pole with Pilot Light | 4 Wire Connector for 3 Way and 3 Way Illuminated |
|---|---|---|---|
| Clear right angle terminal, 6 inch leads, solid wire. | **SNAPSP1NA** | **SNAPSPP1NA** | **SNAP3W1NA** |
| Clear right angle terminal, 6 inch leads, stranded wire. | **SNAPSP2NA** | **SNAPSPP2NA** | **SNAP3W2NA** |



**SNAPSP1NA**



**SNAPSPP1NA**



**SNAP3W1NA**

*Note: See page D-15 for accessories and page D-16 for wallplates. See page D-22 for technical information.*

***Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.***

**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| **15A** | .5HP | 1.5HP | 2HP | 2HP |
| **20A** | 1HP | 2HP | 2HP | 2HP |

*Dimensions in Inches (mm)*

## Features and Benefits

### EdgeConnect™

Hubbell's innovative, patented EdgeConnect™ devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with laser etched terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.





The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect™ devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect™ screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.

# IT'S ABOUT **PERFORMANCE**

**Speed**
80% faster terminations

**Durability**
Built to withstand the industry's harshest environments

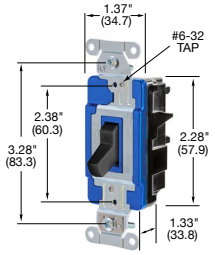
**Performance**
Terminations are 25-60% stronger when subjected to vibration

**Patented**
The only screwless termination in an industrial NEMA wiring device

*Dimensions in Inches (mm)*

## EdgeConnect™ HBL® Extra Heavy Duty Industrial Series, 15A, 120/277V AC

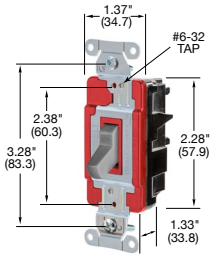
| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Toggle, Spring Termination. | Black | **HBL1201STBK** | **HBL1203STBK** |
| | Brown | **HBL1201ST** | **HBL1203ST** |
| | Gray | **HBL1201STGY** | **HBL1203STGY** |
| | Ivory | **HBL1201STI** | **HBL1203STI** |
| | Light Almond | **HBL1201STLA** | **HBL1203STLA** |
| | Red | **HBL1201STR** | **HBL1203STR** |
| | White | **HBL1201STW** | **HBL1203STW** |




**HBL1201STBK**

## 20A, 120/277V AC

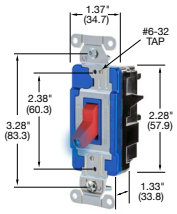
| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Toggle, Spring Termination. | Black | **HBL1221STBK** | **HBL1223STBK** |
| | Brown | **HBL1221ST** | **HBL1223ST** |
| | Gray | **HBL1221STGY** | **HBL1223STGY** |
| | Ivory | **HBL1221STI** | **HBL1223STI** |
| | Light Almond | **HBL1221STLA** | **HBL1223STLA** |
| | Red | **HBL1221STR** | **HBL1223STR** |
| | White | **HBL1221STW** | **HBL1223STW** |




**HBL1223STGY**

## EdgeConnect™ HBL® Extra Heavy Duty Industrial Series, Illuminated Toggle Switches, Light ON with Load OFF, 15A, 120/277V AC

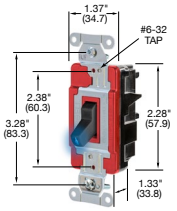
| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Nylon toggle, Spring Termination. | Black | **HBL1201STILBK** | **HBL1203STILBK** |
| | Brown | **HBL1201STIL** | **HBL1203STIL** |
| | Gray | **HBL1201STILGY** | **HBL1203STILGY** |
| | Ivory | **HBL1201STILI** | **HBL1203STILI** |
| | Light Almond | **HBL1201STILLA** | **HBL1203STILLA** |
| | Red | **HBL1201STILR** | **HBL1203STILR** |
| | White | **HBL1201STILW** | **HBL1203STILW** |
| | Clear | **HBL1201STILC** | **HBL1203STILC** |




**HBL1201STILR**

## 20A, 120/277V AC

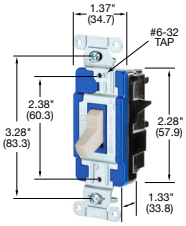
| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Nylon toggle, Spring Termination. | Black | **HBL1221STILBK** | **HBL1223STILBK** |
| | Brown | **HBL1221STIL** | **HBL1223STIL** |
| | Gray | **HBL1221STILGY** | **HBL1223STILGY** |
| | Ivory | **HBL1221STILI** | **HBL1223STILI** |
| | Light Almond | **HBL1221STILLA** | **HBL1223STILLA** |
| | Red | **HBL1221STILR** | **HBL1223STILR** |
| | White | **HBL1221STILW** | **HBL1223STILW** |
| | Clear | **HBL1221STILC** | **HBL1223STILC** |




**HBL1223STILBK**

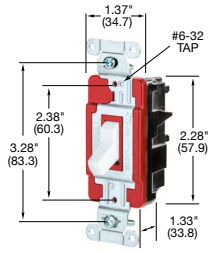
## EdgeConnect™ Toggle Specification Grade Commercial Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Toggle, Spring Termination. | Black | **CSB115STBK** | **CSB315STBK** |
| | Brown | **CSB115ST** | **CSB315ST** |
| | Gray | **CSB115STGY** | **CSB315STGY** |
| | Ivory | **CSB115STI** | **CSB315STI** |
| | Light Almond | **CSB115STLA** | **CSB315STLA** |
| | Red | **CSB115STR** | **CSB315STR** |
| | White | **CSB115STW** | **CSB315STW** |




**CSB115STLA**

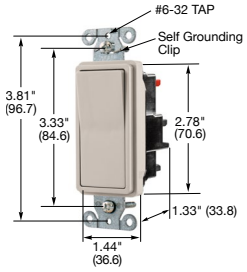
*Dimensions in Inches (mm)*




CSB120STW

## 20A, 120/277V AC

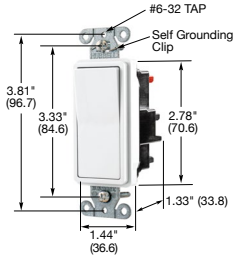
| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Toggle, Spring Termination. | Black | **CSB120STBK** | **CSB320STBK** |
| | Brown | **CSB120ST** | **CSB320ST** |
| | Gray | **CSB120STGY** | **CSB320STGY** |
| | Ivory | **CSB120STI** | **CSB320STI** |
| | Light Almond | **CSB120STLA** | **CSB320STLA** |
| | Red | **CSB120STR** | **CSB320STR** |
| | White | **CSB120STW** | **CSB320STW** |




DS115STLA

## EdgeConnect™ Style Line® Decorator Specification Grade Commercial Series, 15A, 120/277V AC

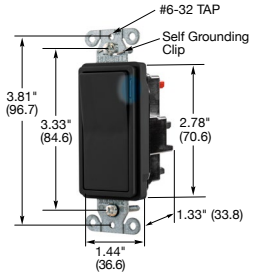
| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Nylon toggle, Spring Termination. | Black | **DS115STBK** | **DS315STBK** |
| | Brown | **DS115ST** | **DS315ST** |
| | Gray | **DS115STGY** | **DS315STGY** |
| | Ivory | **DS115STI** | **DS315STI** |
| | Light Almond | **DS115STLA** | **DS315STLA** |
| | Red | **DS115STR** | **DS315STR** |
| | White | **DS115STW** | **DS315STW** |




DS320STW

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Rocker, Spring Termination. | Black | **DS120STBK** | **DS320STBK** |
| | Brown | **DS120ST** | **DS320ST** |
| | Gray | **DS120STGY** | **DS320STGY** |
| | Ivory | **DS120STI** | **DS320STI** |
| | Light Almond | **DS120STLA** | **DS320STLA** |
| | Red | **DS120STR** | **DS320STR** |
| | White | **DS120STW** | **DS320STW** |




DS320STILBK

## EdgeConnect™ Style Line® Decorator Specification Grade Commercial Series, Illuminated, Light ON with Load OFF
## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Three Way |
|---|---|---|---|
| Rocker, with Blue LED, Spring Termination. | Black | **DS120STILBK** | **DS320STILBK** |
| | Brown | **DS120STIL** | **DS320STIL** |
| | Gray | **DS120STILGY** | **DS320STILGY** |
| | Ivory | **DS120STILI** | **DS320STILI** |
| | Light Almond | **DS120STILLA** | **DS320STILLA** |
| | Red | **DS120STILR** | **DS320STILR** |
| | White | **DS120STILW** | **DS320STILW** |

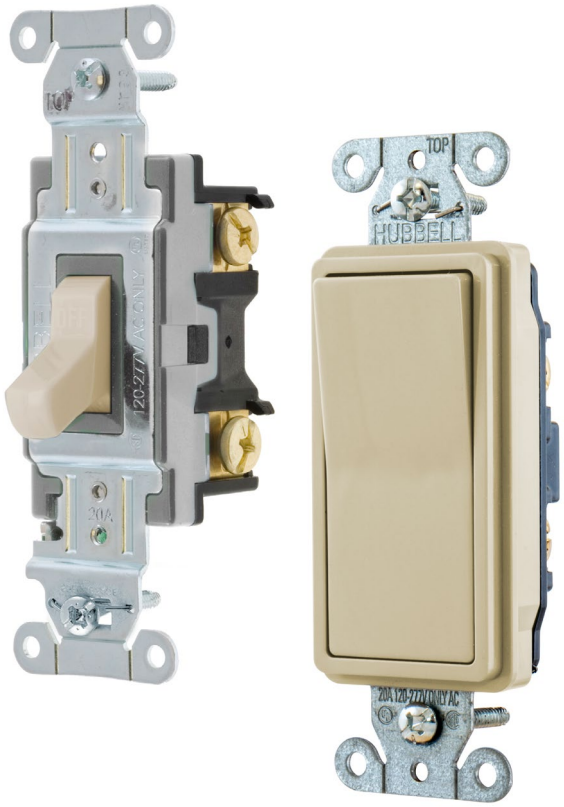
*Dimensions in Inches (mm)*

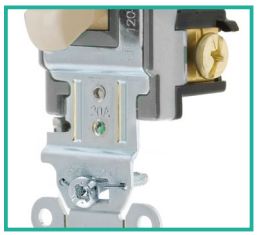
## Features and Benefits

### Specification Grade Commercial Series

Toggle, rocker and specialty switches - Hubbell designs and manufactures these switches in a wide variety of styles and colors.

- 15 and 20 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Night Light
- Style Line® Decorator
- Low voltage DC offering



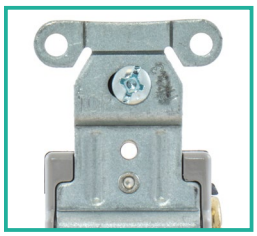
### Housing Design

- Engineered thermoplastic housing is impact-resistant for heavy-duty commercial environments
- Stainless steel automatic grounding staple assures grounding continuity between mounting strap and metal wall box



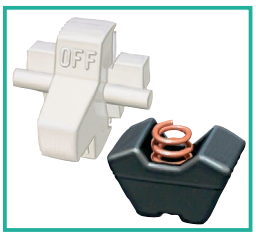
### Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



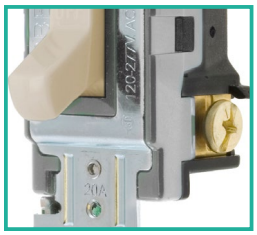
### Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel zinc plated mounting strap provides protection against corrosion
- Thread cleaning captive mounting screw



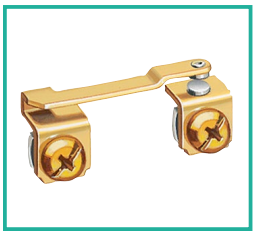

### Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



### Identification

- Prominent amperage marking on mounting strap allows easy identification of rating



### Contacts

- Copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Silver alloy contacts reduce contact erosion and prevent welding, providing long life

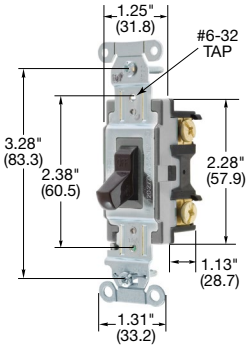
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Toggle Specification Grade Commercial Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Black | **CSB115BK** | **CSB215BK** | **CSB315BK** | **CSB415BK** |
| | Brown | **CSB115** | **CSB215** | **CSB315** | **CSB415** |
| | Gray | **CSB115GY** | **CSB215GY** | **CSB315GY** | **CSB415GY** |
| | Ivory | **CSB115I** | **CSB215I** | **CSB315I** | **CSB415I** |
| | Light Almond | **CSB115LA** | **CSB215LA** | **CSB315LA** | **CSB415LA** |
| | White | **CSB115W** | **CSB215W** | **CSB315W** | **CSB415W** |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, back and side wired. | Black | **CSB120BK** | **CSB220BK** | **CSB320BK** | **CSB420BK** |
| | Brown | **CSB120** | **CSB220** | **CSB320** | **CSB420** |
| | Gray | **CSB120GY** | **CSB220GY** | **CSB320GY** | **CSB420GY** |
| | Ivory | **CSB120I** | **CSB220I** | **CSB320I** | **CSB420I** |
| | Light Almond | **CSB120LA** | **CSB220LA** | **CSB320LA** | **CSB420LA** |
| | Red | **CSB120R** | **CSB220R** | **CSB320R** | **CSB420R** |
| | White | **CSB120W** | **CSB220W** | **CSB320W** | **CSB420W** |



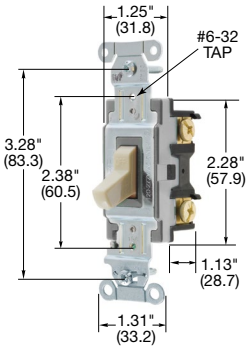

**CSB120**

## Toggle Specification Grade Commercial Series, 15A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, side wired only. | Black | **CS115BK** | — | **CS315BK** | — |
| | Brown | **CS115** | — | **CS315** | — |
| | Gray | **CS115GY** | — | **CS315GY** | — |
| | Ivory | **CS115I** | — | **CS315I** | — |
| | Light Almond | **CS115LA** | — | **CS315LA** | — |
| | White | **CS115W** | — | **CS315W** | — |

## 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, side wired only. | Black | **CS120BK** | — | **CS320BK** | — |
| | Brown | **CS120** | — | **CS320** | — |
| | Gray | **CS120GY** | — | **CS320GY** | — |
| | Ivory | **CS120I** | — | **CS320I** | — |
| | Light Almond | **CS120LA** | — | **CS320LA** | — |
| | White | **CS120W** | — | **CS320W** | — |

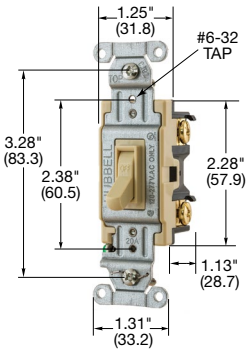



**CS115I**

## Framed Toggle Specification Grade Commercial Series, 20A, 120V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Ivory | **CSB120IF** | — | **CSB320IF** | — |
| | Light Almond | **CSB120LAF** | — | **CSB320LAF** | — |
| | White | **CSB120WF** | — | **CSB320WF** | — |

*Note: See page D-13 for pre-wired/leaded devices.*
*See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

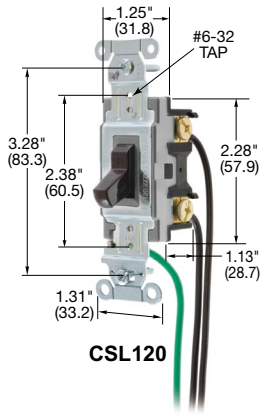



**CSB120IF**

**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| **15A** | .5HP | 1.5HP | 2HP | 2HP |
| **20A** | 1HP | 2HP | 2HP | 2HP |

*Dimensions in Inches (mm)*




**CSL120**

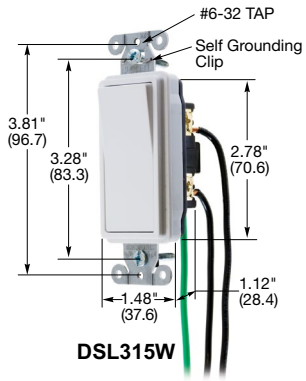
## Pre-Wired/Leaded Toggle Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN

Fed.Spec.

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, Nylon, Pre-wired leads. | Black | **CSL115BK** | **CSL215BK** | **CSL315BK** | **CSL415BK** |
| | Brown | **CSL115** | **CSL215** | **CSL315** | **CSL415** |
| | Gray | **CSL115GY** | **CSL215GY** | **CSL315GY** | **CSL415GY** |
| | Ivory | **CSL115I** | **CSL215I** | **CSL315I** | **CSL415I** |
| | Light Almond | **CSL115LA** | **CSL215LA** | **CSL315LA** | **CSL415LA** |
| | White | **CSL115W** | **CSL215W** | **CSL315W** | **CSL415W** |

### 20A, 120/277V AC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Toggle, Nylon, Pre-wired leads. | Black | **CSL120BK** | **CSL220BK** | **CSL320BK** | **CSL420BK** |
| | Brown | **CSL120** | **CSL220** | **CSL320** | **CSL420** |
| | Gray | **CSL120GY** | **CSL220GY** | **CSL320GY** | **CSL420GY** |
| | Ivory | **CSL120I** | **CSL220I** | **CSL320I** | **CSL420I** |
| | Light Almond | **CSL120LA** | **CSL220LA** | **CSL320LA** | **CSL420LA** |
| | Red | **CSL120R** | **CSL220R** | **CSL320R** | **CSL420R** |
| | White | **CSL120W** | **CSL220W** | **CSL320W** | **CSL420W** |




**DSL315W**

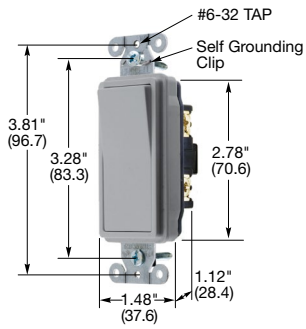
## Pre-Wired/Leaded Decorator Spec. Grade Commercial Series, 15A, 120/277V AC - 8" #12 AWG THHN

| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, Polycarbonate, Pre-wired leads. | Black | **DSL115BK** | — | **DSL315BK** | — |
| | Brown | **DSL115** | — | **DSL315** | — |
| | Gray | **DSL115GY** | — | **DSL315GY** | — |
| | Ivory | **DSL115I** | — | **DSL315I** | — |
| | Light Almond | **DSL115LA** | — | **DSL315LA** | — |
| | White | **DSL115W** | — | **DSL315W** | — |

### 20A, 120/277V AC

| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, Polycarbonate, Pre-wired leads. | Black | **DSL120BK** | **DSL220BK** | **DSL320BK** | **DSL420BK** |
| | Brown | **DSL120** | **DSL220** | **DSL320** | **DSL420** |
| | Gray | **DSL120GY** | **DSL220GY** | **DSL320GY** | **DSL420GY** |
| | Ivory | **DSL120I** | **DSL220I** | **DSL320I** | **DSL420I** |
| | Light Almond | **DSL120LA** | **DSL220LA** | **DSL320LA** | **DSL420LA** |
| | White | **DSL120W** | **DSL220W** | **DSL320W** | **DSL420W** |

*Note: See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*




**DS115GY**

## Style Line® Decorator Specification Grade Commercial Series, 15A, 120/277V AC

| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, back and side wired. | Black | **DS115BK** | — | **DS315BK** | — |
| | Brown | **DS115** | — | **DS315** | — |
| | Gray | **DS115GY** | — | **DS315GY** | — |
| | Ivory | **DS115I** | — | **DS315I** | — |
| | Light Almond | **DS115LA** | — | **DS315LA** | — |
| | White | **DS115W** | — | **DS315W** | — |

### 20A, 120/277V AC

| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, back and side wired. | Black | **DS120BK** | **DS220BK** | **DS320BK** | **DS420BK** |
| | Brown | **DS120** | **DS220B** | **DS320** | **DS420** |
| | Gray | **DS120GY** | **DS220GY** | **DS320GY** | **DS420GY** |
| | Ivory | **DS120I** | **DS220I** | **DS320I** | **DS420I** |
| | Light Almond | **DS120LA** | **DS220LA** | **DS320LA** | **DS420LA** |
| | Red | **DS120R** | **DS220R** | **DS320R** | **DS420R** |
| | White | **DS120W** | **DS220W** | **DS320W** | **DS420W** |

### HP Conversion Chart

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| **15A** | .5HP | 1.5HP | 2HP | 2HP |
| **20A** | 1HP | 2HP | 2HP | 2HP |

*Dimensions in Inches (mm)*

## Features and Benefits

### Rocker Weatherproof Series

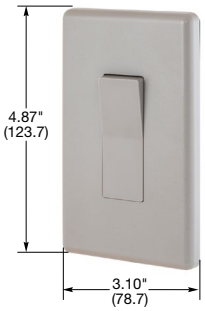
Hubbell designs and manufactures these weatherproof switches for wet and damp applications.

- 20 Amp 120/277V AC
- Single Pole / 3-Way Capable
- NEMA TYPE 3R



### Style Line® Decorator Weatherproof Series, 20A, 120/277V AC

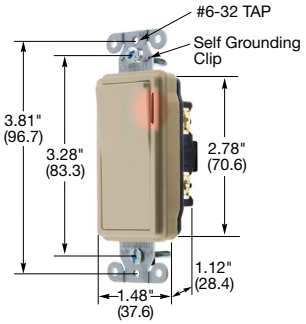
| Description | Color | Single Pole / Three Way |
|---|---|---|
| Rocker, Weatherproof, self-grounding, back and side wired. | Gray | **RSD120WPGY** |
| | Light Almond | **RSD120WPLA** |
| | White | **RSD120WPW** |




**RSD120WPGY**

### Style Line® Decorator Specification Grade Commercial Series, Illuminated, Light ON with Load OFF 20A, 120/277V AC

| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, with Blue LED, back and side wired. | Black | **DS120ILBK** | — | **DS320ILBK** | — |
| | Ivory | **DS120IL** | — | **DS320IL** | — |
| | Light Almond | **DS120ILLA** | — | — | — |
| | Red | **DS120ILR** | — | — | — |
| | White | **DS120ILW** | — | **DS320ILW** | — |




**DS120PLI**

### Style Line® Decorator Specification Grade Commercial Series, Pilot, Light ON with Load ON 20A, 120/277V AC

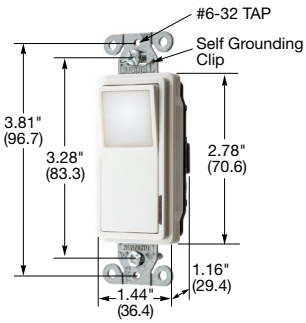
| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, with Red LED, back and side wired. | Black | **DS120PLBK** | — | — | — |
| | Ivory | **DS120PLI** | — | — | — |
| | White | **DS120PLW** | — | — | — |

*Note: See page D-12 for pre-wired/leaded devices.*
*See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

### Style Line® Decorator Spec. Grade Commercial Series with Nightlight, 20A, 120V AC

| Description | Rocker Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Rocker, with Nightlight, self-grounding, push, back and side wired. | Black | **DS120NLBK** | — | — | — |
| | Brown | **DS120NLBR** | — | — | — |
| | Gray | **DS120NLGY** | — | — | — |
| | Ivory | **DS120NLIV** | — | — | — |
| | Light Almond | **DS120NLLA** | — | — | — |
| | White | **DS120NLWH** | — | — | — |

*Note: Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.*

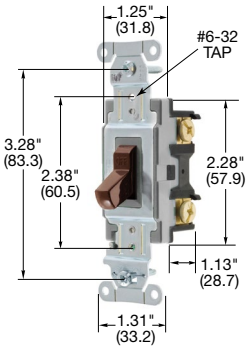



**DS120NLWH**

### HP Conversion Chart

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| **15A** | .5HP | 1.5HP | 2HP | 2HP |
| **20A** | 1HP | 2HP | 2HP | 2HP |

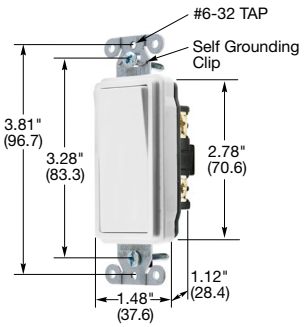
*Dimensions in Inches (mm)*




**CSB120BRLV**

## Maintained Contact Toggle, Specification Grade, 5A, 24V DC

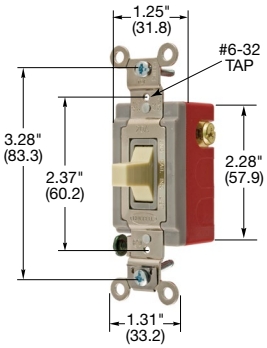
| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Black | **CSB120BKLV** | — | **CSB320BKLV** | — |
| | Brown | **CSB120BRLV** | — | **CSB320BRLV** | — |
| | Gray | **CSB120GYLV** | — | **CSB320GYLV** | — |
| | Ivory | **CSB120ILV** | — | **CSB320ILV** | — |
| | Light Almond | **CSB120LALV** | — | **CSB320LALV** | — |
| | Red | **CSB120RLV** | — | **CSB320RLV** | — |
| | White | **CSB120WHLV** | — | **CSB320WHLV** | — |




**DS120WLV**

## Maintained Contact Decorator, Specification Grade, 5A, 24V DC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon decorator, back and side wired. | Black | **DS120BKLV** | — | **DS320BKLV** | — |
| | Brown | **DS120LV** | — | **DS320LV** | — |
| | Gray | **DS120GYLV** | — | **DS320GYLV** | — |
| | Ivory | **DS120ILV** | — | **DS320ILV** | — |
| | Light Almond | **DS120LALV** | — | **DS320LALV** | — |
| | Red | **DS120RLV** | — | **DS320RLV** | — |
| | White | **DS120WLV** | — | **DS320WLV** | — |




**HBL1557ILV**

## Momentary Contact, Specification Grade, Single Pole, Double Throw, Center OFF 5A, 24V DC

| Description | Toggle Color | Single Pole | Double Pole | Three Way | Four Way |
|---|---|---|---|---|---|
| Nylon toggle, back and side wired. | Brown | **HBL1557LV** | — | — | — |
| | Gray | **HBL1557GYLV** | — | — | — |
| | Ivory | **HBL1557ILV** | — | — | — |
| | Red | **HBL1557RLV** | — | — | — |
| | White | **HBL1557WLV** | — | — | — |

*Note: See page D-12 for pre-wired/leaded devices.*
*See page D-15 for accessories and page D-16 for wallplates.*
*See page D-22 for technical information.*

**HP Conversion Chart**

| | 120V | 208V | 240V | 277V AC |
|---|---|---|---|---|
| 15A | .5HP | 1.5HP | 2HP | 2HP |
| 20A | 1HP | 2HP | 2HP | 2HP |

*Dimensions in inches (mm)*

## Accessories

IP44 SUITABILITY

### Pilot Light, 120/277V AC

| Description | Catalog Number |
|---|---|
| Red neon pilot light, back and side wired, fits standard switch wallplate. | **HBL1220RJ** |



**HBL1220RJ**

### Brass Locking Cover Attachment for Switches Available in Master Keying and Straight Keying Systems

| Description | Catalog Number |
|---|---|
| Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike. | **HBL96061*** |
| Same as above except in dull chrome finish to match stainless steel plates. | **HBL96061DCH*** |
| Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed. | **HBL96062*** |



**HBL96061**
Shown with cover and switch (sold separately)

### SWITCHOUT® Lockout Device

| Description | Catalog Number |
|---|---|
| Yellow, nylon toggle switch lockout device (Two devices per package). | **HSLDPK2*** |



**HSLDPK2**

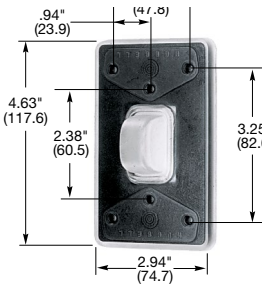
### Weatherproof Wallplates

| Description | Catalog Number |
|---|---|
| Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes. | **HBL1795** |
| Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes. | **HBL7420** |

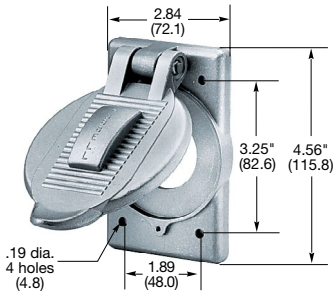
### Weatherproof Wallplates for PresSwitch® Switches

| Description | Catalog Number |
|---|---|
| Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes. | **HBL1750** |
| Same as above except yellow. | **HBL17CM50** |
| Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes. | **HBL1785** |
| Same as above except yellow. | **HBL17CM85** |

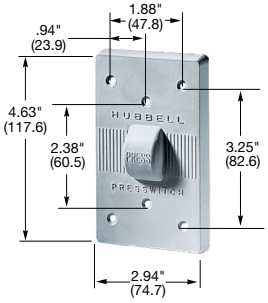
*Note: *Not UL Listed or CSA Certified.*
*Each locking wallplate is supplied with two keys.*
*See section BB for additional information on safety lockout devices.*
*See section O for additional wallplates.*



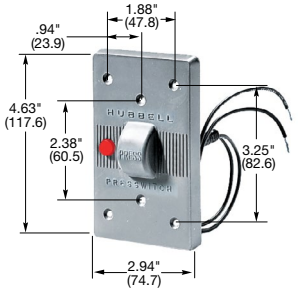

**HBL1795**




**HBL7420**




**HBL1750**




**HBL1785**

*Dimensions in Inches (mm)*

## Accessories



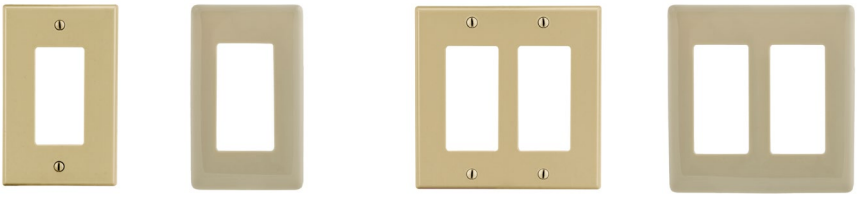
### Toggle Switch Non-metallic Wallplates

| Description | Color | 1-Gang Standard | 1-Gang Snap-On | 2-Gang Standard | 2-Gang Snap-On |
|---|---|---|---|---|---|
| Thermoplastic, standard size, smooth satin finish. | Gray | **P1GY** | — | **P2GY** | — |
| | Ivory | **P1I** | **NPS1I** | **P2I** | **NPS2I** |
| | Light Almond | **P1LA** | **NPS1LA** | **P2LA** | **NPS2LA** |
| | White | **P1W** | **NPS1W** | **P2W** | **NPS2W** |



### Toggle Switch Metal Wallplates

| Description | Color | 1-Gang | 2-Gang | 3-Gang |
|---|---|---|---|---|
| Metal, standard size, smooth lacquer finish. | Aluminum | **SA1** | **SA2** | ① |
| | Brass | **SB1** | **SB2** | **SBP3*** |
| | Stainless Steel, 302/304 | **SS1** | **SS2** | **SS3** |
| | Stainless Steel, 430 | **SS1L** | **SS2L** | **SS3L** |



### Style Line® Decorator Switch Non-metallic Wallplates

| Description | Color | 1-Gang Standard | 1-Gang Snap-On | 2-Gang Standard | 2-Gang Snap-On |
|---|---|---|---|---|---|
| Thermoplastic, standard size, smooth satin finish. | Gray | **P26GY** | — | **P262GY** | — |
| | Ivory | **P26I** | **NPS26I** | **P262I** | **NPS262I** |
| | Light Almond | **P26LA** | **NPS26LA** | **P262LA** | **NPS262LA** |
| | White | **P26W** | **NPS26W** | **P262W** | **NPS262W** |



### Style Line® Decorator Switch Metal Wallplates

| Description | Color | 1-Gang | 2-Gang | 3-Gang |
|---|---|---|---|---|
| Metal, standard size, smooth lacquer finish. | Aluminum | ① | ① | ① |
| | Brass | **SB26** | **SB262** | ① |
| | Stainless Steel, 302/304 | **SS26** | **SS262** | **SS263** |
| | Stainless Steel, 430 | **SS26L** | **SS262L** | — |

*Note: See section O for additional wallplates.*
**Brass plated.*
*①Available as a custom metal wallplate. See wallplate section for additional information.*

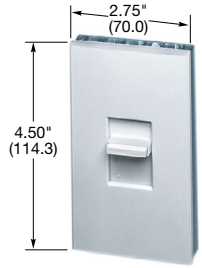
## Certification Chart

### UL, CSA, and Fed. Spec. Listing Data

| Catalog Number | WS896 Listed | UL Listed UL20 | CSA Certified | Catalog Number | WS896 Listed | UL Listed UL20 | CSA Certified |
|---|---|---|---|---|---|---|---|
| 1201 | Yes | Yes | Yes | HBL1224 | Yes | Yes | Yes |
| 1203 | Yes | Yes | Yes | HBL1221L | Yes | Yes | Yes |
| 1221 | Yes | Yes | Yes | HBL1222L | Yes | Yes | Yes |
| 1222 | Yes | Yes | Yes | HBL1223L | Yes | Yes | Yes |
| 1223 | Yes | Yes | Yes | HBL1224L | Yes | Yes | Yes |
| 1224 | Yes | Yes | Yes | HBL1221IL | Yes | Yes | Yes |
| 1221PW | Yes | Yes | Yes | HBL1223IL | Yes | Yes | Yes |
| 1222PW | Yes | Yes | Yes | HBL1221PL | Yes | Yes | Yes |
| 1223PW | Yes | Yes | Yes | HBL1222PL | Yes | Yes | Yes |
| 1224PW | Yes | Yes | Yes | HBL1223PL | Yes | Yes | Yes |
| CS115 | Yes | Yes | Yes | HBL1221RKL | No | Yes | Yes |
| CS315 | Yes | Yes | Yes | HBL1222RKL | No | Yes | Yes |
| CS120 | Yes | Yes | Yes | HBL1223RKL | No | Yes | Yes |
| CS320 | Yes | Yes | Yes | HBL1224RKL | No | Yes | Yes |
| CSB115 | Yes | Yes | Yes | HBL1259I | No | No | No |
| CSB215 | Yes | Yes | Yes | HBL1281 | No | Yes | Yes |
| CSB315 | Yes | Yes | Yes | HBL1282 | No | Yes | Yes |
| CSB415 | Yes | Yes | Yes | HBL1283 | No | No | No |
| CSB120 | Yes | Yes | Yes | HBL1284 | No | No | No |
| CSB220 | Yes | Yes | Yes | HBL1287I | No | Yes | Yes |
| CSB320 | Yes | Yes | Yes | HBL1288I | No | No | No |
| CSB420 | Yes | Yes | Yes | HBL1281MO | No | No | No |
| CSL115 | Yes | Yes | Yes | HBL1281MC | No | No | No |
| CSL215 | Yes | Yes | Yes | HBL1297 | No | Yes | Yes |
| CSL315 | Yes | Yes | Yes | HBL1298 | No | No | No |
| CSL415 | Yes | Yes | Yes | HBL1381 | No | Yes | Yes |
| CSL120 | Yes | Yes | Yes | HBL1382 | No | Yes | Yes |
| CSL220 | Yes | Yes | Yes | HBL1385 | No | Yes | Yes |
| CSL320 | Yes | Yes | Yes | HBL1386 | No | Yes | Yes |
| CSL420 | Yes | Yes | Yes | HBL1386L | No | Yes | Yes |
| DS115 | No | Yes | Yes | HBL1388 | No | Yes | Yes |
| DS315 | No | Yes | Yes | HBL1556 | No | Yes | Yes |
| DS120 | No | Yes | Yes | HBL1557 | No | Yes | Yes |
| DS220 | No | Yes | Yes | HBL1556L | No | Yes | Yes |
| DS320 | No | Yes | Yes | HBL1557L | No | Yes | Yes |
| DS420 | No | Yes | Yes | HBL3031 | Yes | Yes | Yes |
| DS120IL | No | Yes | Yes | HBL3032 | Yes | Yes | Yes |
| DS320IL | No | Yes | Yes | HBL3033 | Yes | Yes | Yes |
| DS120PL | No | Yes | Yes | HBL3031PL | Yes | Yes | Yes |
| DSL115 | No | Yes | Yes | HBL3031PL | Yes | Yes | Yes |
| DSL215 | No | Yes | Yes | HBL3032PL | Yes | Yes | Yes |
| DSL315 | No | Yes | Yes | SNAP1201 | No | Yes | Yes |
| DSL415 | No | Yes | Yes | SNAP1201IL | No | Yes | Yes |
| DSL120 | No | Yes | Yes | SNAP1201PL | No | Yes | Yes |
| DSL220 | No | Yes | Yes | SNAP1203 | No | Yes | Yes |
| DSL320 | No | Yes | Yes | SNAP1203IL | No | Yes | Yes |
| DSL420 | No | Yes | Yes | SNAP1221 | No | Yes | Yes |
| HBL1201 | Yes | Yes | Yes | SNAP1221IL | No | Yes | Yes |
| HBL1202 | Yes | Yes | Yes | SNAP1221PL | No | Yes | Yes |
| HBL1203 | Yes | Yes | Yes | SNAP1223 | No | Yes | Yes |
| HBL1204 | Yes | Yes | Yes | SNAP1223 | No | Yes | Yes |
| HBL1201IL | Yes | Yes | Yes | SNAP1223IL | No | Yes | Yes |
| HBL1203IL | Yes | Yes | Yes | SNAP2101 | No | Yes | Yes |
| HBL1201PL | Yes | Yes | Yes | SNAP2101IL | No | Yes | Yes |
| HBL1203PL | Yes | Yes | Yes | SNAP2101PL | No | Yes | Yes |
| HBL1201L | Yes | Yes | Yes | SNAP2103 | No | Yes | Yes |
| HBL1202L | Yes | Yes | Yes | SNAP2103IL | No | Yes | Yes |
| HBL1203L | Yes | Yes | Yes | SNAP2121 | No | Yes | Yes |
| HBL1204L | Yes | Yes | Yes | SNAP2121IL | No | Yes | Yes |
| HBL1221 | Yes | Yes | Yes | SNAP2121PL | No | Yes | Yes |
| HBL1222 | Yes | Yes | Yes | SNAP2123 | No | Yes | Yes |
| HBL1223 | Yes | Yes | Yes | SNAP2123IL | No | Yes | Yes |

*Note: Catalog numbers above represent all colors and variations.*

## Slide and Rotary Control Dimmers




**AS103**
1000W Dimmer
Fits Single-Gang Wall Boxes

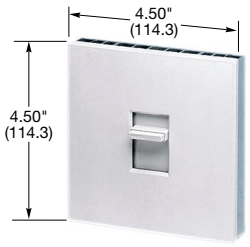
### Architectural Grade, Incandescent Preset Slide Control Dimmers

| Description | Color | Rating | Catalog Number |
|---|---|---|---|
| Single pole/three way - preset. | White | 1000W, 120V AC, 60Hz | **AS103** |
| Single pole/three way - preset. | White | 2000W, 120V AC, 60Hz | **AS203** |

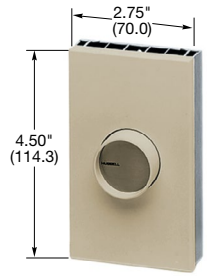
### Accessories

| Description | Color | Catalog Number |
|---|---|---|
| Small wallplate kit for 600W and 1000W models. | Ivory | **AS1I** |
| Includes non-metallic trimplate and slide. | White | **AS1W** |
| Large wallplate kit for 1500W and 2000W models. | Ivory | **AS2I** |
| Includes non-metallic trimplate and slide. | White | **AS2W** |

*Note: The dimmers listed above can be wired for single pole or three way applications.*
*See page D-19 for ganging and derating.*




**AS203**
2000W Dimmer
Fits Single-Gang Wall Boxes




**AR101**
1000W Dimmer
Fits Single-Gang Wall Boxes

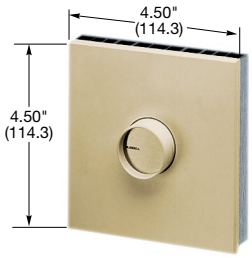
### Architectural Grade, Incandescent Rotary Control Dimmers

| Description | Color | Rating | Catalog Number |
|---|---|---|---|
| Single pole - push ON/OFF. | Beige | 1000W, 120V AC, 60Hz | **AR101** |
| Three way - push ON/OFF. | Beige | | **AR103** |
| Single pole, rotary ON/OFF. | Beige | 2000W, 120V AC, 60Hz | **AR201** |

### Accessories

| Description | Color | Catalog Number |
|---|---|---|
| Small wallplate kit for 600W and 1000W models. | Beige | **AR1BE** |
| Includes non-metallic trimplate and knob. | White | **AR1W** |
| Large wallplate kit for 1500W and 2000W models. | Beige | **AR2BE** |
| Includes non-metallic trimplate and knob. | White | **AR2W** |

*Note: See page D-19 for ganging and derating.*




**AR201**
2000W Dimmer
Fits Single-Gang Wall Boxes

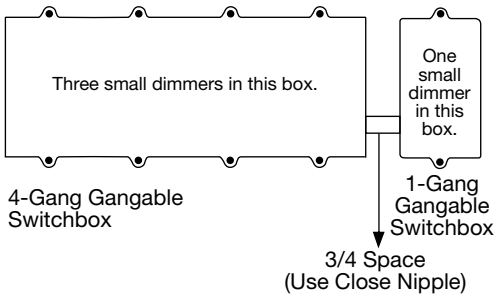
## Dimmer Ganging and Derating

### Architectural Grade Slide and Rotary Series Number of Switchboxes Required with Dimmer Side Sections Intact

| | | Number of Small Controls (600W and 1000W) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Number of Large Controls (1500W and 2000W) | 0 | 0 | 1 | 1+1 | 4 | 1+4 | 7 | 1+7 |
| | 1 | 1 | 3 | 5 | 6 | 8 | 9 | 11 |
| | 2 | 4 | 6 | 7 | 9 | 10 | 12 | 13 |
| | 3 | 6 | 8 | 10 | 11 | 13 | 14 | 16 |
| | 4 | 9 | 11 | 12 | 14 | 15 | 17 | 18 |
| | | Number of Gangs Required | | | | | | |

*Note: When ganging an even number of small controls with no side sections removed (plus numbers in chart), use gangable switchboxes with tapped ears as shown below. Do not use plaster rings or gangbox covers. Space an additional switchbox ¾ in. apart from the other switchbox(es). A ¾ in. close nipple is recommended as a spacer between the switchboxes.*

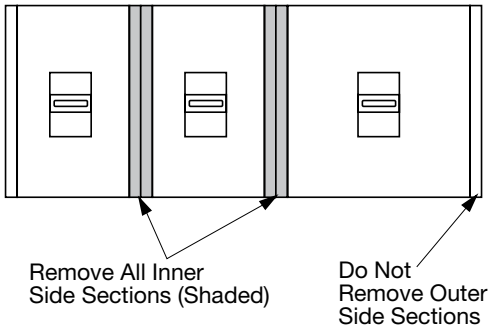
### Example of 4-Gang Installation




### Number of Switchboxes Required with Side Sections Removed

| | | Number of Small Controls (600W and 1000W) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Number of Large Controls (1500W and 2000W) | 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| | 1 | 1 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 3 | 5 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 4 | 7 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | Number of Gangs Required | | | | | | |

*Note: When removing side sections, remove only inner side sections. Do not remove side sections on outer ends of gang. The same installation rules apply to rotary dimmers (not shown).*




### Derating Chart

| No Side Sections Removed | One Side Section Removed | Both Side Sections Removed |
|---|---|---|
| 600W | 600W | 500W |
| 1000W | 900W | 700W |
| 1500W | 1250W | 1000W |
| 2000W | 1800W | 1500W |

*Note: When ganging any combination of small and large controls, place a small control on one extreme end of the gang, and a large control at the other end of the gang. When ganging with side sections intact, use offset mounting holes. When ganging with side sections removed, use center mounting holes. Allow a 1/33 in. gap (space) between controls for ease in attaching the faceplate.*

### Specification Grade Slide and Rotary Series

**Switchboxes Required: Side Sections Removed**

### Derating Chart

| 1 Dimmer In Wall Box | 2 Dimmers In Wall Box | 3 Or More Dimmers In Wall Box |
|---|---|---|
| 600W | 500W | 400W |
| 1000W | 800W | 650W |
| 5A fan speed | 4A fan speed | 3A fan speed |

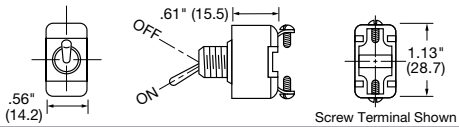
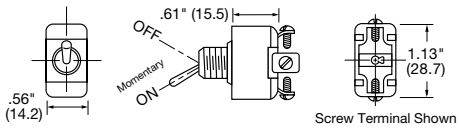
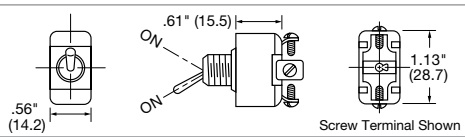
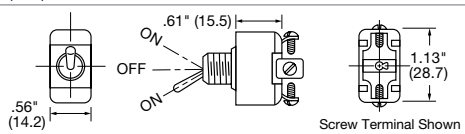
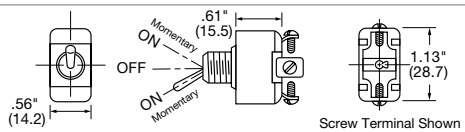


HBL11



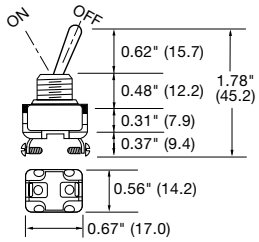
HBL123SP

## 10A 250V AC 20A 125V AC Horsepower Rated ¾ HP, 125-250V AC

| Description | | Terminal | Catalog Number |
|---|---|---|---|
| Single pole/ single throw. |  | Screw Spade | **HBL11** **HBL11SP** |
| Single pole/ single throw momentary. |  | Screw Spade | **HBL11M** **HBL11SPM** |
| Single pole/ double throw. |  | Screw Spade | **HBL12** **HBL12SP** |
| Single pole/ double throw 3-position center OFF. |  | Screw Spade | **HBL123** **HBL123SP** |
| Single pole/ double throw 3-position center OFF momentary. |  | Screw Spade | **HBL123MM** **HBL123SPMM** |

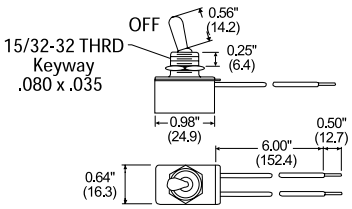
*Note: All threaded stems 15/32 in.–32 thread.*

## 10A 240V AC 15A 120V AC

| Description | | Terminal | Catalog Number |
|---|---|---|---|
| Single pole/ single throw. |  | Screw | **HBL118** |

*Note: 15/32 in.–32 thread.*

## 4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

| Description | | Terminal | Catalog Number |
|---|---|---|---|
| Single pole/ single throw. |  | #18 Std. AWG Copper Wire Leads 105° C Black. | **HBL11WL** |

*Note: 15/32 in.–32 thread, keyway .080 x .035.*

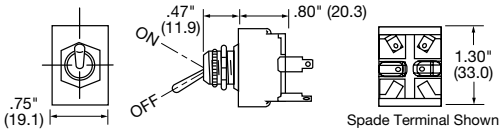
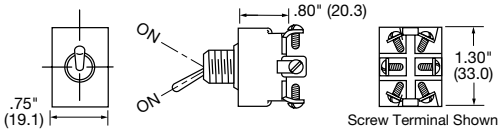
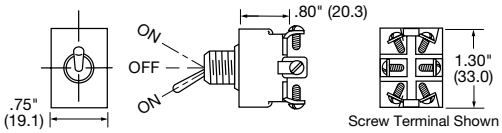
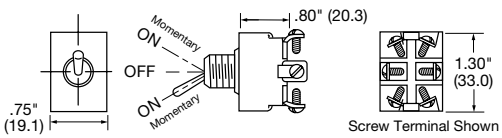
## Specifications

Impact Resistant Thermoplastic Body.
Fine Silver Contacts.
Knurled Nut, Hex Nut And Strap All Nickel Plated.
Keyed Brass Bushing Nickel Plated.
Brass Toggle Nickel Plated.
Choice of Terminal Design: .250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.
UL Recognized.

*Dimensions in Inches (mm)*

## Heavy Duty Panel Mount

### 10A 250V AC 20A 125V AC Horsepower Rated 1½ HP, 125-250V AC

| Description | Terminal | Catalog Number |
|---|---|---|
| Double pole/ single throw.   | Screw Spade | **HBL21** **HBL21SP** |
| Double pole/ single throw.   | Screw Spade | **HBL22** **HBL22SP** |
| Double pole/ double throw 3-position center OFF.   | Screw Spade | **HBL223** **HBL223SP** |
| Double pole/ double throw 3-position center OFF momentary.   | Screw Spade | **HBL223MM** **HBL223SPMM** |
| Silicone rubber boot. | Screw Spade | **SSB1** |

*Note: All threaded stems 15/32 in.–32 thread.*
*See AA-35 for additional information on 12V DC tapered handle switches.*



**HBL21**

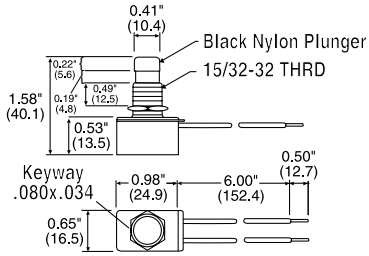


**HBL223**

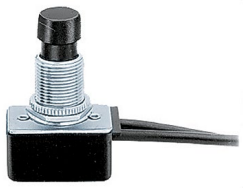


**SSB1**

### 4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

| Description | Terminal | Catalog Number |
|---|---|---|
| Single pole/ single throw.   | #18 Std. AWG Copper Wire Leads 105° C Black. | **HBL11PBWL** |

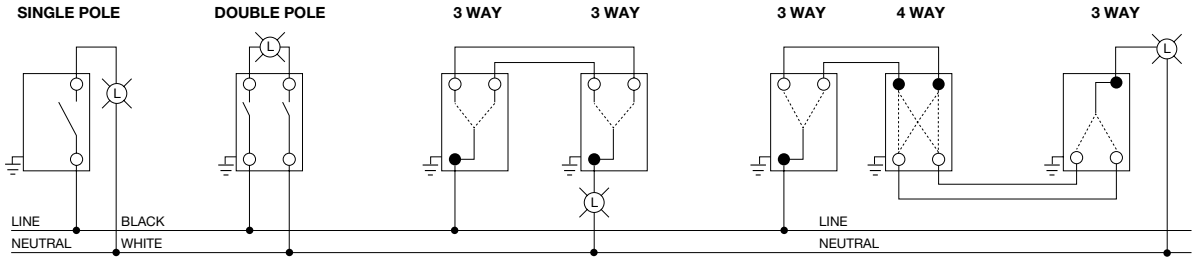
*Note: 15/32 in.–32 thread, keyway .080 x .035.*



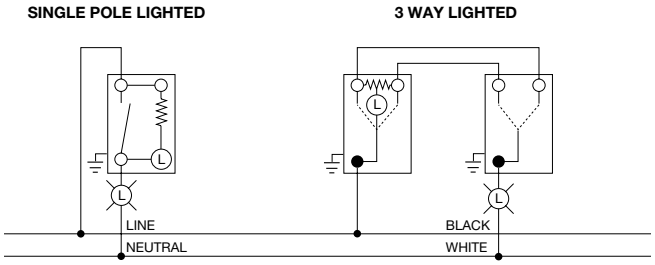
**HBL11PBWL**

*Dimensions in Inches (mm)*

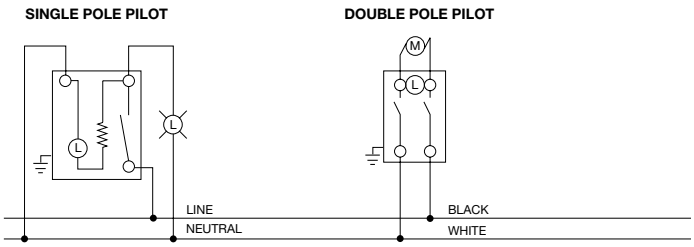
## Standard Toggle Type Switches



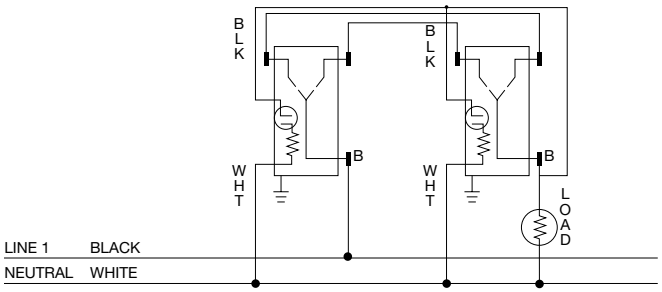

## Illuminated Switches (light ON with load OFF)



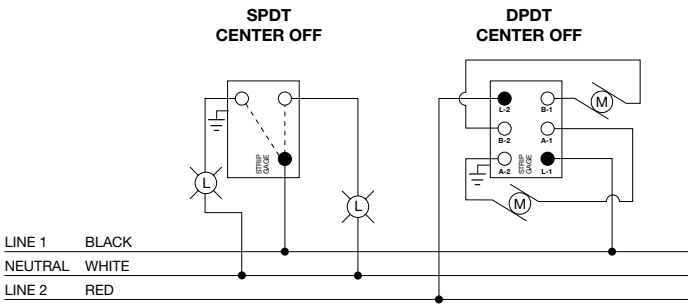

## Pilot Light Switches (light ON with load ON)




## Three Way Pilot Switches




## Three Position Switches, Momentary and Maintained




## Specifications - HBL® Extra Heavy Duty Industrial Grade Switches (SP, DP, 3-Way, 4-Way)

| Listings | Component | Material |
|---|---|---|
| UL Listed | Base | Thermoset, Color Coded by Amperage |
| CSA Certified | Top | Thermoset, Gray |
| Verified to Fed. Spec. W-S-896, | Toggle | Nylon |
| SP, DP, 3-way and 4-way | Terminals | Brass |
| | Terminal Screws | Brass |
| | Mounting Bridge | Nickel Plated Steel |
| | Contacts | Silver Alloy |
| | Moveable Contact Arm | Brass |
| | Rocker | Elastomer |
| | Ground Terminal | Nickel-Plated Steel |
| | Ground Screw | Brass |
| | Automatic Grounding Clip | Stainless Steel |

## Performance Data

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 1500V AC minimum for 1 minute |
| Max. Working Voltage | 277V AC |
| Overload | Minimum 4.8 times rated current for 100 cycles |
| Temperature Rise | 30°C maximum at rated current |
| Max. Continuous Current | 15A, 20A, 30A |
| Endurance | 50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way |
| **Mechanical** | |
| Terminal Accommodations | #14 AWG min. - #10 AWG max. solid and stranded copper wire only |
| **Environmental** | |
| Flammability | UL 94V-2 |
| Operating Temperature | Max. continuous: 75°C; Min. continuous: -40°C without impact |

# SECTION E

## Table of Contents




### Wall Switch Sensors



### MAXX™ Harsh Environment Occupancy Sensors



### WL-Series Wireless Sensors and Controls




| Product | Page |
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| Adaptive Technology | E-5 |
| Passive Infrared and Digital Timers | E-6 |
| Ceiling, Wall and End Mount High/Low Bay Sensors | |
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| Daylight Harvesting and Dimming Controls | E-10 |
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| Energy Codes and Standards | E-13 |
| Wired Switched Receptacles and Control Units | E-13 |
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| Specifications, Coverage Patterns and Wiring Schematics | E-21 |

## Energy Consumption and Standards Compliance

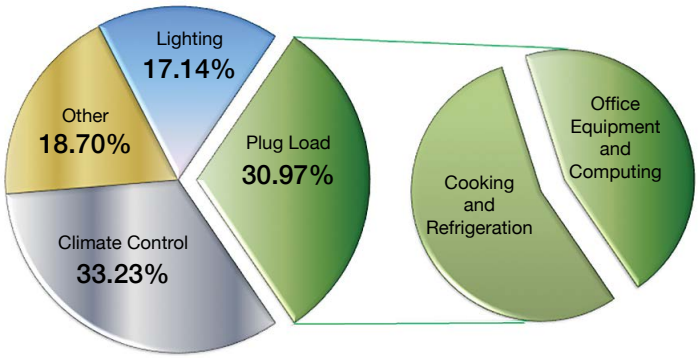
Electricity consumption in commercial buildings has changed dramatically over the past decade. Energy efficient lighting sources like LEDs have reduced their contribution on a commercial building's total electricity consumption from 40% to approximately 17%. Today plug and process loads consume up to 30% of a typical commercial building's energy costs. Energy Efficiency Codes & Standards are becoming more stringent in an effort to reduce energy consumption in all areas of commercial buildings.

Hubbell Load:Logic® series of control devices offers a broad range of space, centralized and distributed controls that meet the latest codes and standards and qualify for LEED certification points. Hubbell devices feature ease of installation, setup, operation and commissioning process. The result is an "install-and-forget" experience.

Additional features include:

- Occupancy or time-based controls
- Manual ON mode requires user operation to turn lights ON but automatically turns lights OFF when a space is unoccupied after a specified period of time
- Daylight Harvesting sensors for dimming or to keep the lights OFF when natural light is sensed
- Automatic receptacle control

### Commercial Buildings Electricity Consumption




*Electrical bill impact for a typical office building*



## Adaptive Technology Provides Better Control

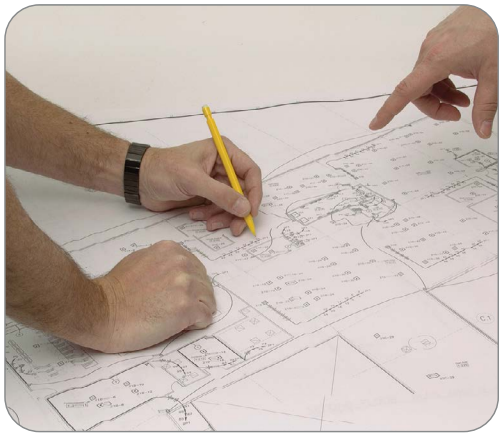
Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

- Lower energy costs and utility bills
- No need to manually adjust for occupancy changes

## Backed by Hubbell Service and Support

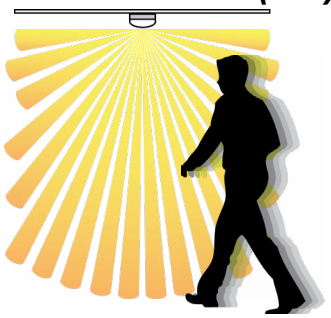
Hubbell Energy Efficiency Solutions focuses on environmental stewardship, innovative products and efficient building operations. Hubbell also offers superior service and support with:

- Detailed online e-learning courses
- Product selection guide to assist in choosing the right technology
- Online specification assistance
- Highly knowledgeable network of trained professionals and staff
- BIM models and 3D coverage patterns



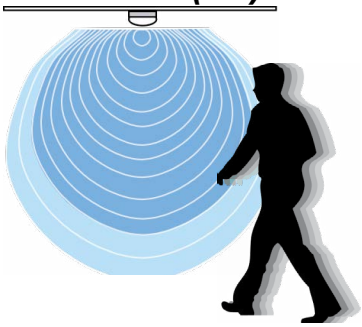
## The Right Technology for the Right Application

### *Passive Infrared (PIR)*



Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides the coverage area into zones. Movement across zones is interpreted as occupancy.

### *Ultrasonic (US)*



Senses occupancy by emitting an ultrasonic high-frequency sound wave (32 kHz to 45 kHz), sensing the frequency of the reflected signal, and then determining occupancy based on a change in frequency. While this has a limited range, it detects small motions and does not require a clear line of sight.

### *Dual Technology*



Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.





## Features and Benefits

### Adaptive Dual (Ultrasonic and Passive Infrared)

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The optimum choice when performance is paramount.

### Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.



## Adaptive Series



**Housing Design**
- Steel mounting strap
- High impact molded plastics
- Color matching tamper resistant lens



**Coverage and Electrical Ratings**
- Dual technology - 1,000 sq. ft. Ultrasonic only - 400 sq. ft.
- 120/277V AC 50/60 Hz; no neutral required; 24V DC, 33mA
- Zero-arc point switching
- Compatible with CFL/LED and motor loads



**Operation**
- Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

## WS Series



**Housing Design**
- Plated steel mounting strap
- High Impact molded plastics
- Recessed tamper resistant lens
- Night light option



**Coverage and Electrical Ratings**
- High density PIR - 1,200 sq. ft.
- WS1000 series - 120V AC 60Hz
  WS2000 series - 120/277V AC 60Hz; multi-way capable
- No neutral required
- Compatible with CFL/LED and motor loads



**Operation**
- WS2000 series - Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

## Adaptive Technology Wall Switch Sensors

800W Incandescent/Electronic Ballast, 5A LED, 1/6 HP at 120V AC, 1800W Electronic Ballast, 5A LED , 1/6 HP at 277V AC.



AD2000W1
AD2001W1



AD2000W1N
AD2000W22N

## Dual (Ultrasonic and Passive Infrared)

| | | Single Circuit | | Dual Circuit | |
|---|---|---|---|---|---|
| Description | Color | 1 button | Auto control with no button | 2 buttons | Auto control with no button |
| Selectable Manual/ Auto ON | Ivory<br>Light Almond<br>White | **AD2000I1**<br>**AD2000LA1**<br>**AD2000W1** | **AD2000I1N**<br>**AD2000LA1N**<br>**AD2000W1N** | **AD2000I22**<br>**AD2000LA22**<br>**AD2000W22** | **AD2000I22**<br>**AD2000LA22**<br>**AD2000W22** |
| Manual ON (Vacancy) | Ivory<br>Light Almond<br>White | **AD2001I1**<br>**AD2001LA1**<br>**AD2001W1** | —<br>—<br>— | **AD2001I22**<br>**AS2001LA22**<br>**AD2001W22** | —<br>—<br>— |
| Selectable Manual/Auto ON with neutral wire | Ivory<br>White | **ADN2000I1**<br>**ADN2000W1** | —<br>— | **ADN2000I2**<br>**ADN2000W2** | —<br>— |

## Passive Infrared

| | | Single Circuit | Dual Circuit |
|---|---|---|---|
| Description | Color | 1 button | 2 buttons |
| Selectable Manual/ Auto ON. | Ivory<br>Light Almond<br>White | **AP2000I1**<br>**AP2000LA1**<br>**AP2000W1** | **AP2000I22**<br>**AP2000LA22**<br>**AP2000W22** |
| Selectable Manual/ Auto ON with neutral wire | Ivory<br>White | **APN2000I1**<br>**APN2000W1** | —<br>— |
| Manual ON (Vacancy) | Ivory<br>Light Almond<br>White | **AP2001I1**<br>**AP2001LA1**<br>**AP2001W1** | **AP2001I22**<br>**AP2001LA22**<br>**AP2001W22** |



AP2000W1
AP2001W1



AP2000W22
AP2001W22



AD2240W1
AD2241W1

## Dual (Ultrasonic and Passive Infrared)

24V DC, 33mA. Requires a CU300xx series control unit.

| Description | Color | Single Circuit 1 button | Dual Circuit 2 buttons |
|---|---|---|---|
| Selectable Manual/ Auto ON. | Ivory | **AD2240I1** | **AD2240I2** |
| | Light Almond | **AD2240LA1** | **AD2240LA2** |
| | White | **AD2240W1** | **AD2240W2** |
| Manual ON (Vacancy). | Ivory | **AD2241I1** | **AD2241I2** |
| | Light Almond | **AD2241LA1** | **AD2241LA2** |
| | White | **AD2241W1** | **AD2241W2** |

*Note: Wallplate sold separately. See page E-23 for technical specifications, coverage patterns and wiring schematics.*



WS2000W
WS1000W



WS1020NW
WS1021NW

## Passive Infrared

Manual time delay adjustment.

| Description | Color | Standard | with Nightlight | with Neutral | with Nightlight and Neutral |
|---|---|---|---|---|---|
| Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable. | Gray | **WS2000GY** | **WS2000NGY** | — | — |
| | Ivory | **WS2000I** | **WS2000NI** | **WS2004I** | **WS2004NI** |
| | Light Almond | **WS2000LA** | **WS2000NLA** | — | — |
| | White | **WS2000W** | **WS2000NW** | **WS2004W** | **WS2004NW** |
| Manual adjusting; selectable manual/auto ON operation; 120V AC only. | Ivory | **WS1000I** | **WS1000NI** | — | — |
| | Light Almond | **WS1000LA** | **WS1000NLA** | — | — |
| | White | **WS1000W** | **WS1000NW** | — | — |
| Manual adjusting; manual ON operation; 120V AC only. | Ivory | **WS1001I** | **WS1001NI** | — | — |
| | Light Almond | **WS1001LA** | **WS1001NLA** | — | — |
| | White | **WS1001W** | **WS1001NW** | — | — |
| Manual adjusting; auto ON operation; dual circuit; 120V AC only. | Gray | **WS1020GY** | **WS1020NGY** | — | — |
| | Ivory | **WS1020I** | **WS1020NI** | **WS1024I** | **WS1024NI** |
| | Light Almond | **WS1020LA** | **WS1020NLA** | **WS1024LA** | **WS1024NLA** |
| | White | **WS1020W** | **WS1020NW** | **WS1024W** | **WS1024NW** |
| Manual adjusting; manual ON operation; dual circuit; 120V AC only. | Gray | **WS1021GY** | **WS1021NGY** | — | — |
| | Ivory | **WS1021I** | **WS1021NI** | **WS1025I** | **WS1025NI** |
| | Light Almond | **WS1021LA** | **WS1021NLA** | **WS1025LA** | **WS1025NLA** |
| | White | **WS1021W** | **WS1021NW** | **WS1025W** | **WS1025NW** |

*Note: See page E-24 for technical specifications, coverage patterns and wiring schematics.*



DT2000W

## Digital Timer

| Description | Color | Catalog Number |
|---|---|---|
| DIP switch enable preset intervals for 2 and 4 hours. User adjustable up to 24 hours. 3-way capable, 960W @ 120V AC and 1200W @ 277V AC. | White | **DT2000W** |



WSTA120

## Programmable Timer

| Description | Color | Catalog Number |
|---|---|---|
| Wall Switch Programmable Timer with Astronomical Clock, Features 3 Interchangeable cover colors: Gray, Light Almond and White. Compatible in SP and 3-Way configurations, 120V AC, neutral wire required. | White | **WSTA120** |



DT5030W

## Count Down Timers

| Description | Color | 30 Minutes: OFF, 5, 10, 20, 30 | 60 Minutes: OFF, 15, 30, 45, 60 | 12 Hours: OFF, 2, 4, 8, 12 |
|---|---|---|---|---|
| 1000W @ 120V AC and 1400W @ 277V AC. | Ivory | **DT5030I** | **DT5060I** | **DT5012I** |
| | Light Almond | **DT5030LA** | **DT5060LA** | **DT5012LA** |
| | White | **DT5030W** | **DT5060W** | **DT5012W** |

## Features and Benefits

### Dual (Ultrasonic and Passive Infrared)

Combines PIR and Ultrasonic technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The absolute choice for advanced control and precise performance.

### Passive Infrared

Passive infrared sensors are specifically designed for long- range major motion activity sensitivity, making them ideal for large open areas.

Various models are suitable for indoor and outdoor applications where NEMA 4X rating is required. Other units are suitable for extreme temperatures areas providing unsurpassed flexibility for almost every application.

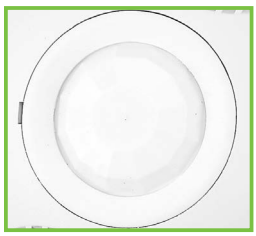


## Ceiling Mount



**Housing Design**

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



**Coverage and Ratings**

- Up to 2,000 sq. ft. between 8ft and 12ft mounting height. 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



**Operation**

- Self adjusting sensitivity thresholds and timers; automatic false ON/ false OFF corrections, strong airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems

## Wall Mount



**Housing Design**

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



**Coverage and Ratings**

- Up to 1,600 sq. ft. between 8ft and 12ft mounting height. (30ft for high bay, aisle model) 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



**Operation**

- Self adjusting sensitivity thresholds and timers. Automatic false ON/false OFF corrections airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems



ATD2000C

## Dual (Ultrasonic and Passive Infrared) Ceiling Sensors

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

| Description | Voltage | Coverage Area 2000 sq. ft. (360°) | Coverage Area 1000 sq. ft. (180°) |
|---|---|---|---|
| Low voltage sensor with photocell and isolated relay. | 24V DC | **ATD2000CRP** | **ATD1000CRP** |
| Low voltage sensor. | 24V DC | **ATD2000C** | **—** |
| Line voltage sensor. | 120-277V AC | **ATD2000CL** | **ATD1000CL** |



ATD1000CRP



ATP1500C

## Passive Infrared Ceiling Sensors

Outstanding long range major motion detection.

| Description | Voltage | Coverage Area 1500 sq. ft. (360°) |
|---|---|---|
| Low voltage sensor with photocell and isolated relay. | 24V DC | **ATP1500CRP** |
| Low voltage sensor. | 24V DC | **ATP1500C** |
| Line voltage sensor. | 120-277V AC | **ATP1500CL** |

*Note: All Low voltage ceiling sensors must use a CU series control unit. See page E-10 for details.*
*Line voltage ceiling sensors suitable for occupancy (auto-on) applications only. Use low voltage ceiling sensors and low voltage switches with CU series control units (E-10) for vacancy (manual on) applications.*
*See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.*
*For Assembled in USA units Add suffix "U".*



ATD1600WRP

## Dual (Ultrasonic and Passive Infrared) Wall Mount Sensors

| Description | Color | Coverage | Catalog Number |
|---|---|---|---|
| Low voltage sensor 32kHz with photocell and isolated relay. | Office White | 1600 sq. ft. | **ATD1600WRP** |



ATP1600WRP

## Passive Infrared Wall Mount Sensors

| Description | Color | Coverage | Catalog Number |
|---|---|---|---|
| Low voltage sensor with photocell and isolated relay. | Office White | 1600 sq. ft. | **ATP1600WRP** |
| Low voltage sensor for aisle and high bay applications, with photocell and isolated relay. | Office White | 120 linear feet | **ATP120HBRP** |

*Note: All wall mount sensors must use a CU series control units. See page E-10 for details.*
*See pages E-25 to E-28 for technical specifications, coverage patterns and wiring schematics.*
*For Assembled in USA units Add suffix "U"*



DSL30W1
DSM30W1

## Low Voltage Switches

Single gang design, momentary or latching operation. Compatible with all Hubbell low voltage sensors and Load:Logic® Centralized and Distributed Control Systems. 100mA @ 30V DC max.

| Description | Color | Catalog Number |
|---|---|---|
| Low voltage switch, latching, 1 button. | Ivory | **DSL30I1** |
| | Light Almond | **DSL30LA1** |
| | White | **DSL30W1** |
| Low voltage switch, momentary, 1 button. | Ivory | **DSM30I1** |
| | Light Almond | **DSM30LA1** |
| | White | **DSM30W1** |
| Low voltage switch, momentary, 2 buttons. | Ivory | **DSM30I2** |
| | Light Almond | **DSM30LA2** |
| | White | **DSM30W2** |

*Note: Wallplate sold separately.*

## Emergency Lighting Controls

20 Amps, 120/277V AC, NC isolated contacts UL924 listed for emergency circuits. 0-10V dimming override.

| Description | Catalog Number |
|---|---|
| Emergency lighting control unit. | **CU300ELC** |
| Remote test switch with engraved wallplate. | **RTPB10W** |

*Note: See page E-26 for technical specifications.*



**CU300ELC**




**RTPB10W**

## Control Units

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

| Description | Catalog Number |
|---|---|
| Auto ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors. | **CU300A** |
| Manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors. | **CU300M** |
| Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control. | **CU300HD** |

*Note: See page E-26 for technical specifications.*
*For Assembled in USA units Add suffix "U".*



**CU300A**



**CU300HD**

## Add-A-Relay

Hubbell AAR Add-A-Relay contains an internal relay for control of an external load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. AAR units are typically used when multiple zone control is desired or the load exceed the maximum load rating of a single control unit.

| Description | Catalog Number |
|---|---|
| Auto ON operation, 120-277V AC, 50/60Hz. Requires a CU300 series control unit; suitable for lighting loads. | **AAR** |
| Auto or manual ON operation, 100-277V AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications. | **AAR20P** |

*Note: See page E-26 for technical specifications.*



**AAR**



**AAR20P**

## 0-10V Adaptive Technology Wall Switch Sensor

| Description | Color | Voltage | PIR | Dual (PIR & US) |
|---|---|---|---|---|
| Dimming selectable auto ON/auto OFF manual ON/auto OFF, current sinking capacity, 30mA. | Ivory<br>Light Almond<br>White | | **APD2000I1**<br>**APD2000LA1**<br>**APD2000W1** | **ADD2000I1**<br>**ADD2000LA1**<br>**ADD2000W1** |
| Dimming manual ON/auto OFF (Vacancy) only, current sinking capacity, 30mA. | Ivory<br>Light Almond<br>White | | **APD2001I1**<br>**APD2001LA1**<br>**APD2001W1** | **ADD2001I1**<br>**ADD2001LA1**<br>**ADD2001W1** |



**APD2000W1**
**APD2001W1**



**ADD2000W1**
**ADD2001W1**

## Low Voltage Switches with 0-10V Dimming

Single gang design, momentary, latching or a combination operation. Compatible with Hubbell CU300 series control units and IEC60929 Annex E.2 compliant dimming ballasts/LED drivers. Ideal for single zone dimming applications.

| Description | Color | Voltage | Momentary, 3 button | Latching, 3 button | 1 Latching, 1 Momentary, 4 button |
|---|---|---|---|---|---|
| Low voltage switch, 0-10V dimmer, current sinking capacity, 30mA. | Gray<br>Ivory<br>Light Almond<br>White | 24V DC | **DSM010GY**<br>**DSM010I**<br>**DSM010LA**<br>**DSM010W** | **DSL010GY**<br>**DSL010I**<br>**DSL010LA**<br>**DSL010W** | **DSC010GY**<br>**DSC010I**<br>**DSC010LA**<br>**DSC010W** |

*Note: See page E-34 for technical specifications.*

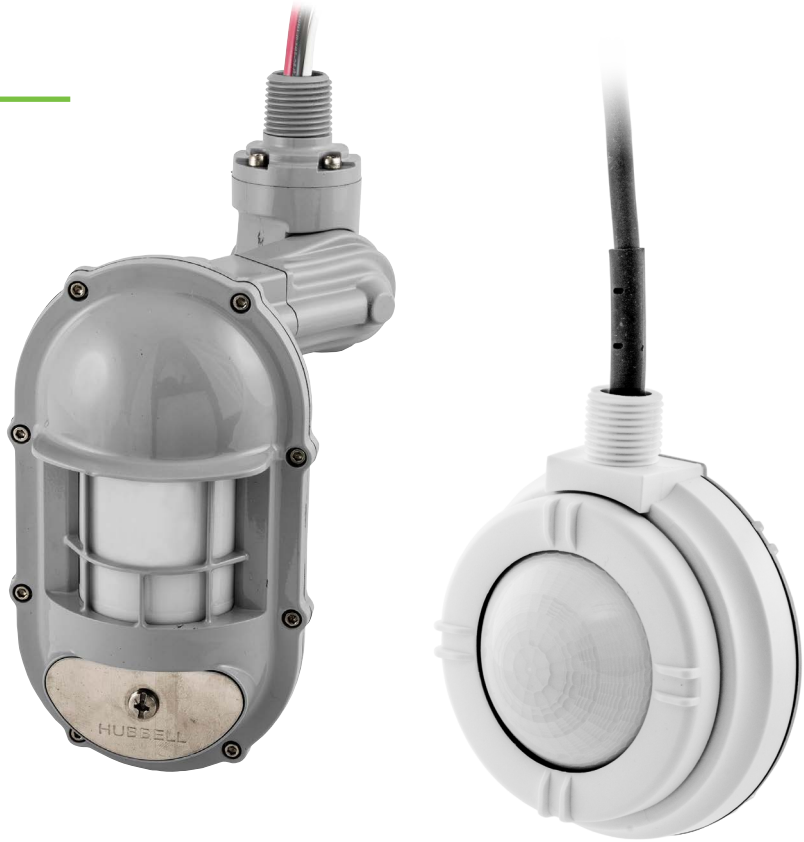


**DSM010I**

## Features and Benefits

### MAXX™ Harsh Environment Sensing Devices

MAXX™ products are designed to withstand these harsh environments manufactured with cold and heat resistant components. These sensors tolerate extremes of weather and applications. MAXX™ products provide users with methods to reduce energy usage in harsh environments where other commercial grade products can't.

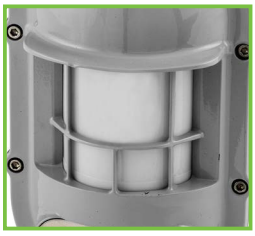



### Pendant Mount



**Housing Design**

- IP66, TYPE 4X, outdoor rated
- Housing manufactured from chemical resistant thermoplastic
- Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility



**Protection**

- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems




**Access Cover**

- Stainless steel hardware and settings access cover

### Fixture Mount



**Housing Design**

- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with ½" threaded nipple



**Coverage and Electrical Ratings**

- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lens; aisle, end-of-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads

## TYPE 4X Outdoor, Passive Infrared Wall Mount Sensor

| Description | Voltage | Catalog Number |
|---|---|---|
| PIR sensor, with isolated relay and photocell. | 24V DC | **AHP1600WRP** |

*Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit.*
*See page E-26 for technical specifications and coverage patterns.*



**AHP1600WRP**

## Extreme Temperatures Passive Infrared Ceiling Mounted Sensor

Use ACIPE to make NEMA 4X watertight.

| Description | Voltage | Catalog Number |
|---|---|---|
| Sensor with isolated relay and photocell. | 24V DC | **AHP1500CRP** |
| IP66, NEMA 4X enclosure. | — | **ACIPE** |

*Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit.*
*See page E-25 for technical specifications and coverage patterns.*



**AHP1500CRP** with **ACIPE**

## Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

| Description | Catalog Number |
|---|---|
| Auto or manual ON operation, 100-277V AC, 50/60Hz, heavy duty latching relay. | **CU300HD** |
| Auto or manual ON operation, 100-277V AC, 50/60Hz. Requires a CU300 series, heavy duty latching relay. | **AAR20P** |

*Note: See page E-26 for technical specifications.*
*For Assembled in USA units Add suffix "U".*



**CU300HD**

## OPTIMYZER® Watertight High Bay and Low Bay PIR Sensors with Photocells

IP65, NEMA 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

| Description | Voltage | Standard | 0-10V Dimming |
|---|---|---|---|
| Single relay end mount. | 120-347V AC | **HBSXT13** | **HBSXT14D** |
| 2 relays end mount. | 120-347V AC | **HBSXT23** | **—** |
| 1 double pole relay end mount. | 208, 240V AC | **HBSXT28** | **—** |
| 1 double pole relay end mount. | 480V AC | **HBSXT48** | **—** |
| Low voltage end mount. | 24V DC | **HBSXT24*** | **HBSXT24D*** |
| Single relay surface mount. | 120-480V | **—** | **HBSXT14DSM** |
| Low voltage surface mount. | 24V DC | **—** | **HBSXT24DSM*** |

*Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.*
**For use with CU300HD (120/277V AC, 50/60Hz) control unit.*
*See pages E-29 and E-30 for technical specifications and coverage patterns.*



**HBSXT24D**

## Replacement Lenses

| Description | High Bay | Low Bay |
|---|---|---|
| 180° lens. | **HBRLXT180** | **LBRLXT180** |
| 360° lens. | **HBRLXT360** | **LBRLXT360** |
| Aisle lens. | **HBRLXTA** | **LBRLXTA** |
| End of aisle lens. | **HBRLXTEA** | **LBRLXTEA** |



**HBRLXT180**



**HBRLXT360**



**HBRLXTA**



**HBRLXTEA**

# Energy Efficiency Solutions

New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx



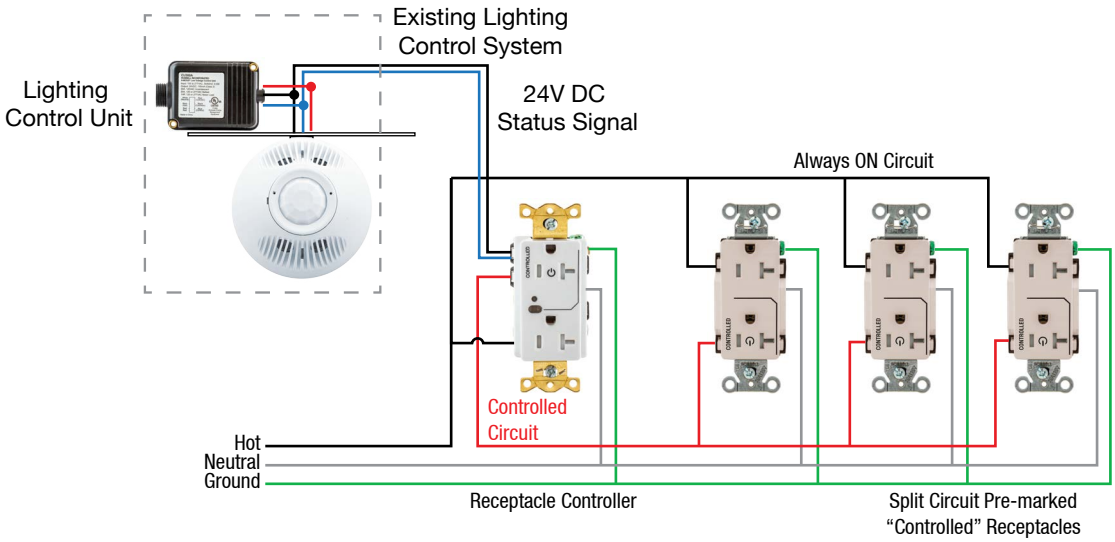






## Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.




## Codes and Standards

**ASHRAE Standard 90.1 2019**

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.

**California Title 24 Building Energy Efficiency Standards 2019**

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

**2020 National Electrical Code®**

NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the ⏻ symbol and the word "CONTROLLED".

*Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.*

## Wired

### Switched Receptacles for Automatic Receptacle Control

| | | 15A | | 20A | |
|---|---|---|---|---|---|
| Description | Color | Split Circuit | Fully Controlled | Split Circuit | Fully Controlled |
| Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream. | Black | **HBL5262LC1BK** | **HBL5262LC2BK** | **HBL5362LC1BK** | **HBL5362LC2BK** |
| | Brown | **HBL5262LC1** | **HBL5262LC2** | **HBL5362LC1** | **HBL5362LC2** |
| | Gray | **HBL5262LC1GY** | **HBL5262LC2GY** | **HBL5362LC1GY** | **HBL5362LC2GY** |
| | Green | **HBL5262LC1GN** | **HBL5262LC2GN** | **HBL5362LC1GN** | **HBL5362LC2GN** |
| | Ivory | **HBL5262LC1I** | **HBL5262LC2I** | **HBL5362LC1I** | **HBL5362LC2I** |
| | Lt. Almond | **HBL5262LC1LA** | **HBL5262LC2LA** | **HBL5362LC1LA** | **HBL5362LC2LA** |
| | White | **HBL5262LC1W** | **HBL5262LC2W** | **HBL5362LC1W** | **HBL5362LC2W** |

*Note: See page E-31 for technical information. Special order for hospital grade devices.*



**HBL5362LC2W**

### Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

| Description | Catalog Number |
|---|---|
| Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control. | **CU300HD** |
| Auto or Manual ON operation, 100-277V, AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications. | **AAR20P** |

*Note: See page E-26 for technical specifications and wiring schematics.*



**CU300HD**

## Wireless

### Switched Receptacles for Automatic Receptacle Control

| | | 15A | | 20A | |
|---|---|---|---|---|---|
| Description | Color | Split Circuit | Fully Controlled | Split Circuit | Fully Controlled |
| Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream. | Black | **HBL5262RFC1BK** | **HBL5262RFC2BK** | **HBL5362RFC1BK** | **HBL5362RFC2BK** |
| | Brown | **HBL5262RFC1** | **HBL5262RFC2** | **HBL5362RFC1** | **HBL5362RFC2** |
| | Gray | **HBL5262RFC1GY** | **HBL5262RFC2GY** | **HBL5362RFC1GY** | **HBL5362RFC2GY** |
| | Green | **HBL5262RFC1GN** | **HBL5262RFC2GN** | **HBL5362RFC1GN** | **HBL5362RFC2GN** |
| | Ivory | **HBL5262RFC1I** | **HBL5262RFC2I** | **HBL5362RFC1I** | **HBL5362RFC2I** |
| | Lt. Almond | **HBL5262RFC1LA** | **HBL5262RFC2LA** | **HBL5362RFC1LA** | **HBL5362RFC2LA** |
| | White | **HBL5262RFC1W** | **HBL5262RFC2W** | **HBL5362RFC1W** | **HBL5362RFC2W** |

*Note: See page E-31 for technical information. Special order for hospital grade devices.*



**HBL5262RFC1W**

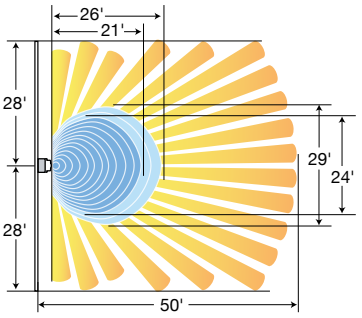
*Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.*

## Adaptive Technology Wall Switch Sensors

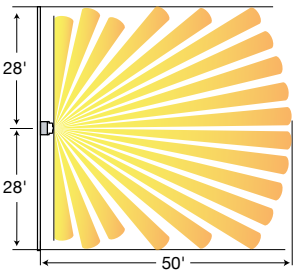
| Electrical | AD2000, APD2000, AP2000 Series |
|---|---|
| Power Supply | 120/277V AC, 50/60Hz |
| Load Capacity | |
| 120V AC | 800W Incandescent, 1000W Electronic Ballast, 5A LED |
| 277V AC | 1800W Electronic Ballast, 5A LED |
| Motor Load | 1/6HP |
| Power Requirements | 24V DC nominal, 33mA from Hubbell CU series control unit (AD2240 Series) |
| Agency Approvals | UL and cUL Listed |
| **Physical** | |
| Housing | High impact plastic (UL 94-5V) |
| Lens | Dual element pyrometer and 12 element cylindrical hard lens (AP2000 only) |
| Dimensions | Face 2.57"H x 1.71"W, 0.53"D (from wall out) |
| Mounting Height | 42 to 54 inches above floor |
| **Environmental** | |
| Operating | 32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity |
| **Controls** | |
| Time Delay | Digital, adaptive 4 to 30 minutes, 20 minutes default |
| Ambient Light | Adjustable ambient light override, 10 to 500 foot candles |
| Front Press Switch | Auto/OFF |
| Sensitivity | Adaptive 0% to 100% |
| Service Switch | Air gap OFF |
| Dimming | 0-10V, Sink up to 30mA (APD2000 series only) |
| **Sensing Indicator** | |
| Passive Infrared | Red LED (AD & AP series only) |
| Ultrasonic | Green LED (AD & AU series only) |

## Wall Switches Coverage Patterns

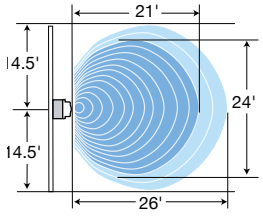
**Minor Motion:** Ultrasonic PIR
**Major Motion:** Ultrasonic PIR




**AD2000 Series**



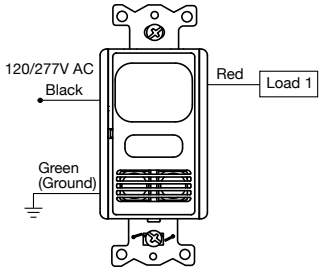

**AP2000 Series**



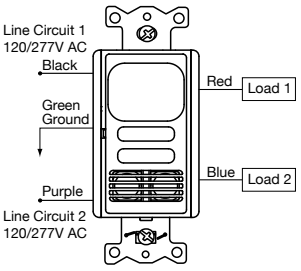

**AU2000 Series**

## Wiring Schematic AD, AU, AP, 2000 Series Wall Switch Sensors

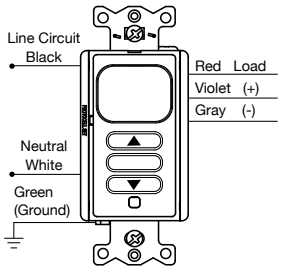
### Single Circuit Wiring



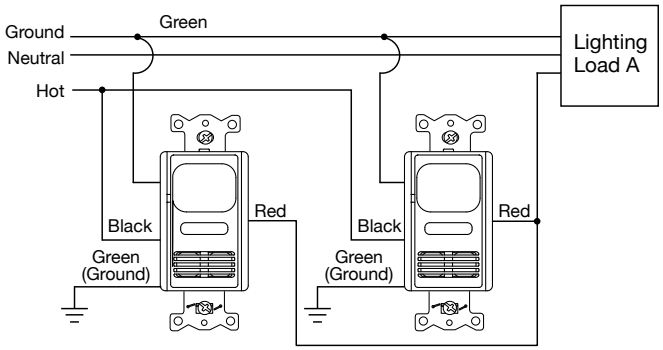

### Two Circuit Sensor, Wired for Two Loads



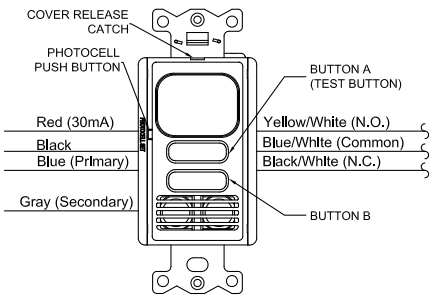

### Wall Switch Sensors with Neutral Wires




### Single Circuit Sensors, Wired as 3-Way Sensors*




### Low Voltage Wall Switch Sensors*



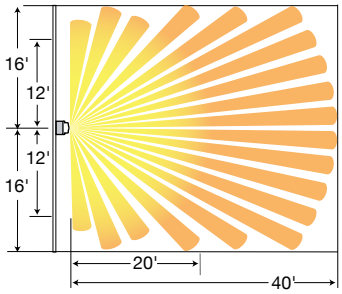

*Note: *Load can not exceed the rating of one switch.*
*Sensor is shipped with all DIP switches in the OFF position (factory default).*

## Adaptive Technology PIR Wall Switches WS2000, WS1000 and WS1020 Series

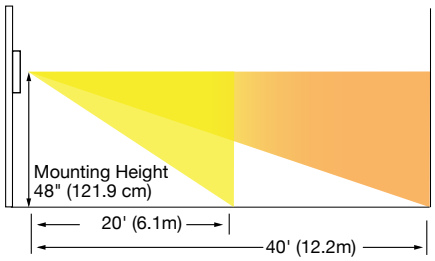
| Electrical | WS2000 Series | WS1000/WS1020 Series |
|---|---|---|
| Power Supply | 120/277V AC, 60Hz | 120V AC, 60Hz |
| Load Capacity | | |
| Incandescent | 1000 watts | 5A/600 watts |
| 120V Ballast, CFL, LED | 1000 watts, 1/6HP | 5A/600 watts, 1/6HP |
| 277V Ballast, CFL, LED | 1800 watts | N/A |
| Agency Approvals | cULus Listed | cULus Listed |
| Warranty | 5 years | 5 years |
| **Physical** | | |
| Housing | Flame retardant UL 94 V-0 ABS | |
| Lens | Polyethylene | |
| Dimensions | Face 2.59"H x 1.30"W, 0.61"D (from wall out) | |
| Mounting Height | 42 to 54 inches above floor | |
| **Environmental** | | |
| Operating | 32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity | |
| Storage | -40°F to 150°F (-40°C to 65°C); 20% to 90% non-condensing relative humidity | |
| **Controls** | **WS1000/WS2000 Series** | **WS1001/WS1020 Series** |
| Time Delay | Manual 6 seconds to 20 minutes | |
| Ambient Light | Digital, pushbutton, 10 to 500 foot candles | N/A |
| Front Press Switch | ON/OFF | ON/OFF |
| Service Switch | OFF (service)<br>Vac (manual ON)<br>Occ (auto ON) | OFF (service)<br>ON (service) |
| **Sensing Indicator** | | |
| Passive Infrared | Red LED | |

## Wall Switches Coverage Patterns

**Minor Motion:** PIR **Major Motion:** PIR



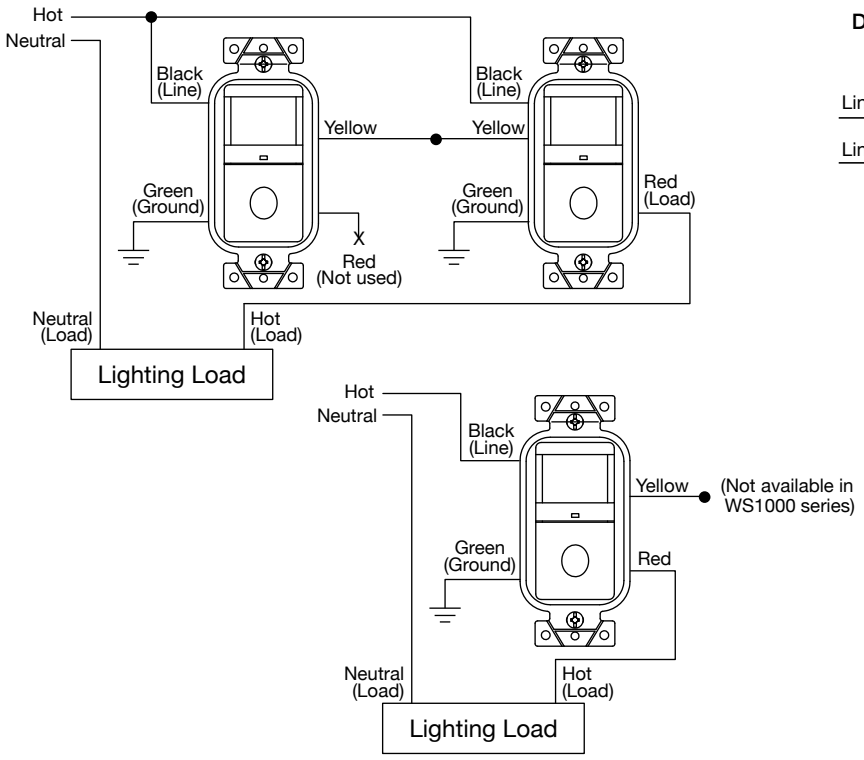

**WS2000, WS1000 and WS1020 Series**




**Vertical Coverage**
**WS2000, WS1000 and WS1020 Series**

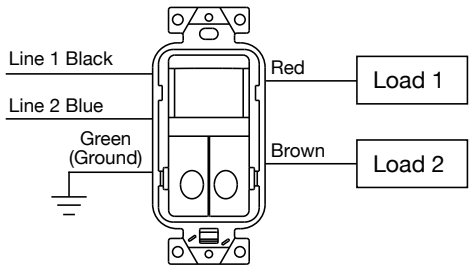
## Wiring Schematic WS2000, WS1000 and WS1020 Series Wall Switches

**WS2000 Series Wall Switch Sensors**




**WS1020 Series Wall Switch Sensors**

**Dual Circuit Sensor, Wired for Dual Circuits**

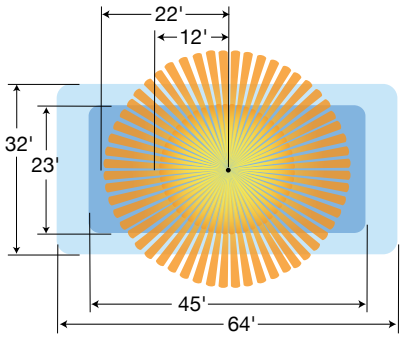


## Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors
## ATD, AHP and ATP Series

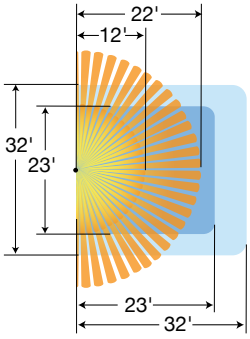
| Electrical | | |
|---|---|---|
| Power Requirements | 24V DC nominal, 33mA from Hubbell CU series control unit | |
| Isolated Relay (sensors with RP suffix) | Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay | |
| Agency Approvals | UL and cUL Listed | |
| **Physical** | **Ceiling Sensors** | **Wall Mount Sensors** |
| Housing | Flame retardant UL 94 V-0 ABS | Flame retardant UL 94 V-0 ABS |
| Protection | NEMA 4X, when used with ACIPE | NEMA 4X, IP66, outdoor use rated (AHP only) |
| Lens | Polyethylene | Polyethylene |
| Dimensions | 1.5"H x 4.5"Diameter | 6"H x 2"W x 1.5"D |
| Color | Office white | Office white; Gray (AHP series) |
| Mounting Height | 8 to 12 feet | 8 to 12 feet, 8 to 30 feet (ATP120HB series) |
| **Environmental** | | |
| Operating | 32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity | |
| | -40°F to 149°F (-40°C to 65°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity (AHP series) | |
| Storage | -20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity | |
| **Controls** | | |
| Time Delay | Test (8 seconds), adaptive 8 to 40 minutes | |
| Ambient Light | 1 to 1000 foot candles | |
| Sensitivity | Adaptive 0 to 100% | |
| **Sensing Indicators** | | |
| Ultrasonic (ATD and ATU Series) | Green LED | |
| Passive Infrared (ATD, AHP and ATP Series) | Red LED | |

## Ceiling Sensors Coverage Patterns

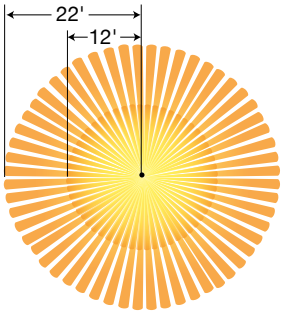
**Minor Motion:** Ultrasonic PIR **Major Motion:** Ultrasonic PIR



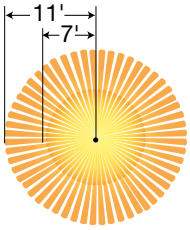

**ATD2000C Series**



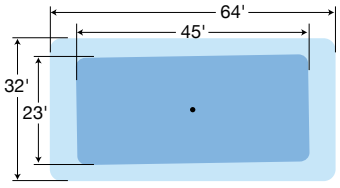

**ATD1000C Series**



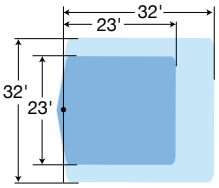

**ATP1500C Series**
**AHP1500CRP Series**



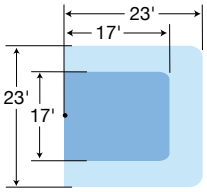

**ATP600C Series**



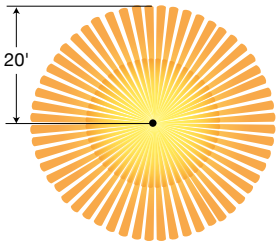

**ATU2000C Series**



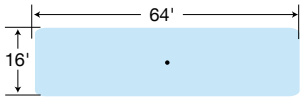

**ATU1000C Series**




**ATU500C Series**



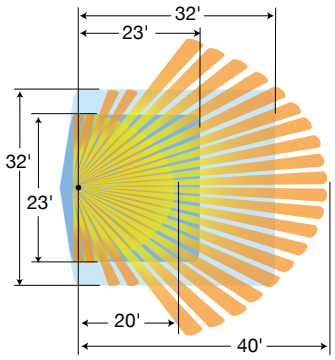

**LVPR1500R(P)**



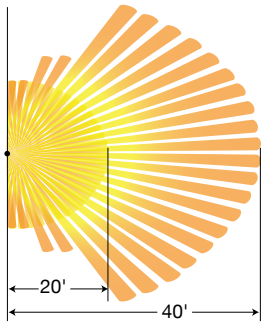

**ATU2000C Series**
**Hallway Application**

## Wall Mount Sensors Coverage Patterns

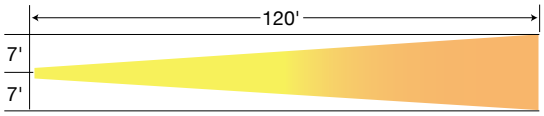
**Minor Motion:** Ultrasonic PIR **Major Motion:** Ultrasonic PIR



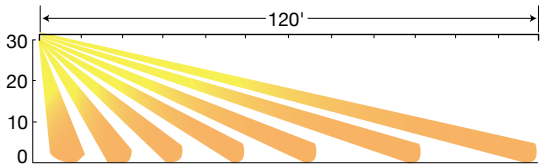

**ATD1600W Series**




**ATP1600W Series**
**AHP1600WRP Series**




**ATP120HB Series**
**Top View**




**Side View**

## Control Units - CU300A or CU300M and CU300HD Series

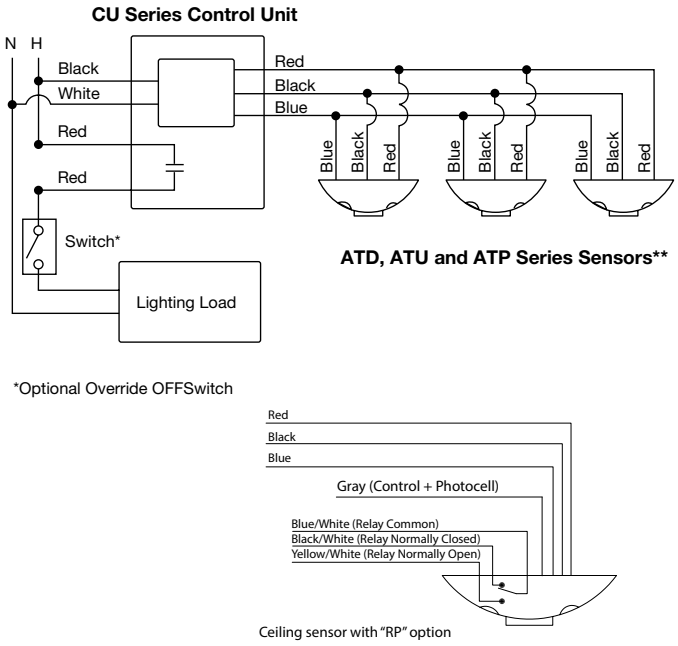
| Electrical | CU300A or CU300M | CU300ELC | CU300HD |
|---|---|---|---|
| Power Supply | 100-277V AC, 50/60Hz | 100-277V AC | 100-277V AC, 50/60Hz |
| Power Output | 24V DC, 150mA | N/A | 24V DC, 250mA |
| Load Capacity | 16A, 8A LED | 16A | 20A |
| Motor Loads | | | |
| | 1HP | 1HP | 1HP @ 120V<br>2HP @ 240/277V |
| AT Sensor/AAR Capacity | 1 to 4 combined | | 1 to 6 combined |
| Agency Approvals | UL and cUL Listed | cULus Listed | cULus Listed |
| **Physical** | | | |
| Housing | Flame retardant UL94-5VA thermoplastic | Flame retardant UL94-5VA thermoplastic | |
| Dimensions | 3.69"L x 2.33"W x 1.36"H | 4.00"L x 3.4"W x 1.73"H | |
| Color | Black | Black | |
| **Environmental** | | | |
| Operating | 32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity | | -40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing |
| Storage | -20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity | | |

## Add-A-Relay Control Units

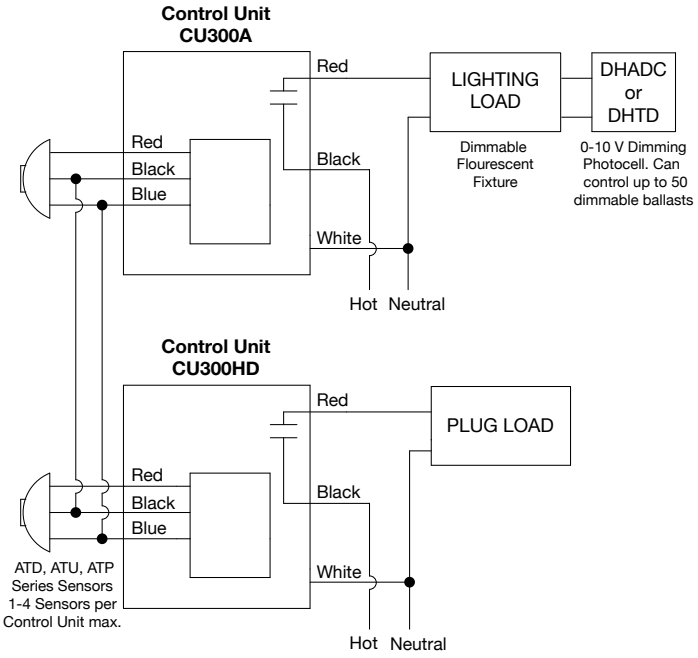
| Electrical | AAR | AAR20P |
|---|---|---|
| Power Input | 24V DC nominal, 33mA from Hubbell CU series control unit | 24V DC nominal, 50mA from Hubbell CU300HD series control unit |
| Load Capacity | 16A, 120/277V AC, 8A LED | 20A, 100-277V AC |
| Motor Loads | 1800 watts | Motor Loads |
| 1HP @ 120V | 2400 watts | 1HP @ 120V |
| 2HP @ 240/277V | 2400 watts | 2HP @ 240/277V |
| Operation Mode | Auto ON/Auto OFF | Selectable Auto ON/Auto OFF or Manual ON/Auto OFF |
| Agency Approvals | UL and cUL Listed | cULus Listed |
| **Physical** | | |
| Housing | Flame retardant UL94-5V thermoplastic | Flame retardant UL94-5VA thermoplastic |
| Dimensions | 3.69"L x 2.33"W x 1.36"H | 4.00"L x 3.4"W x 1.73"H |
| Color | Black | Black |
| **Environmental** | | |
| Operating | 32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity | -40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing |
| Storage | -20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity | |

## Ceiling and Wall Mount Sensors ATD, ATP Series

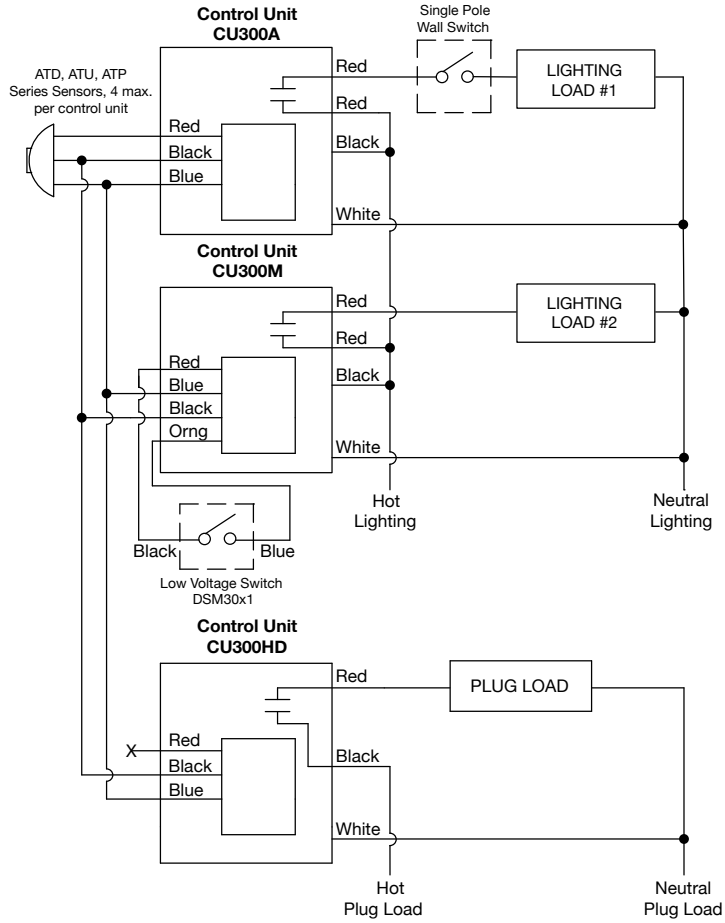
Single lighting circuit 1 to 4 sensors wired to control unit with optional override OFF switch application.



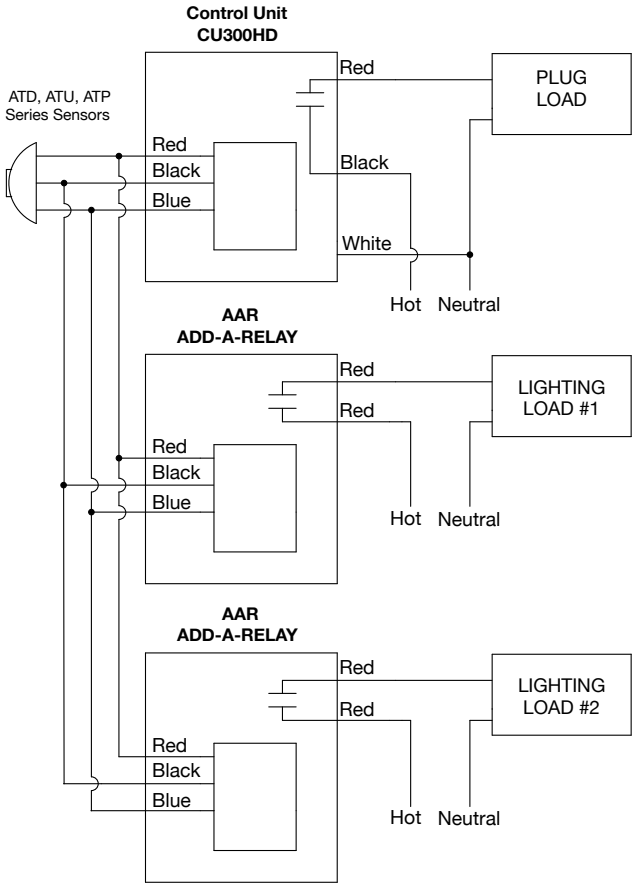

Single lighting circuit with 0-10V dimming and automatic receptacle control application.




Bi-level lighting circuit and automatic receptacle control application.



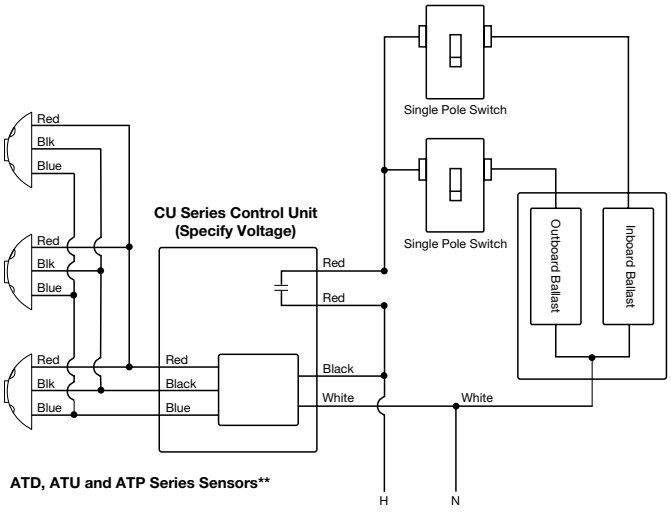

Two lighting circuits and automatic receptacle control application.



## Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

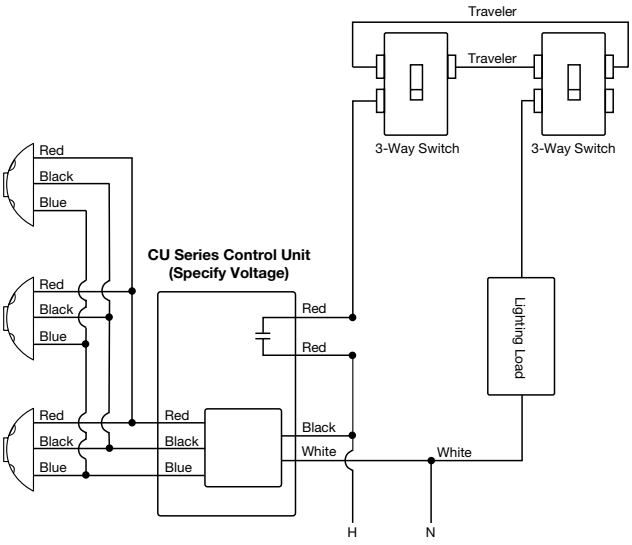
### Single Circuit, Dual Level Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



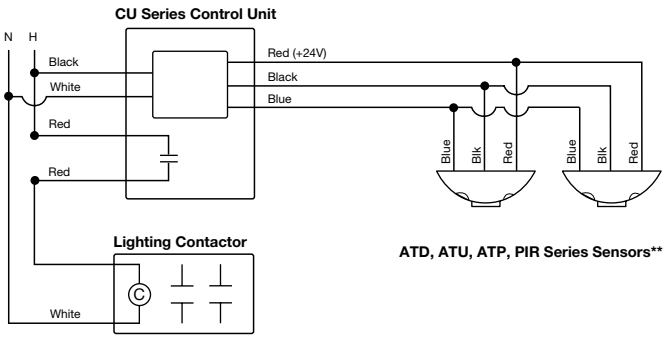

### Single Circuit, 3-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.



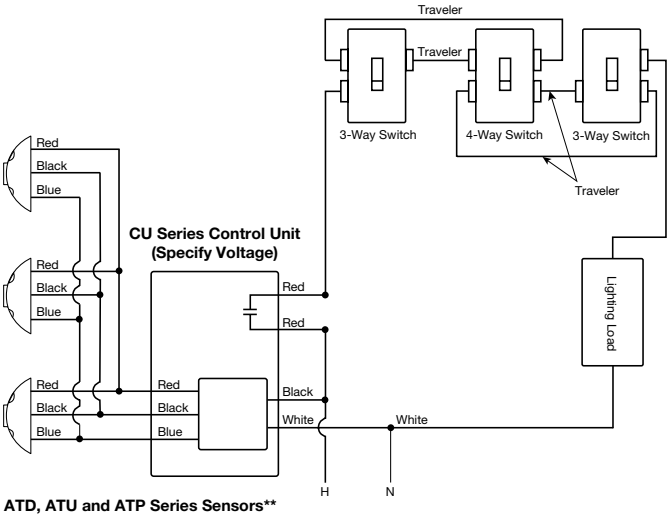

### Multi-Circuit Application:

1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.




### Single Circuit, 4-Way Switching Application:

1 to 4 sensors wired to control unit with optional override off switches.




*Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.*

## OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

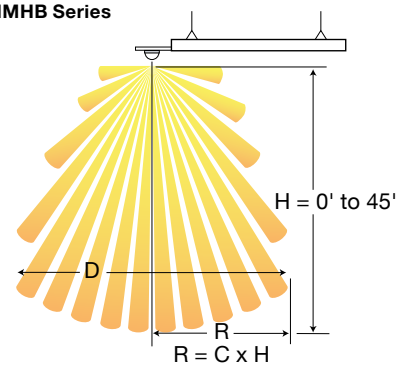
| | |
|---|---|
| User Interface | (1) twelve pin DIP switch |
| Timer time-outs | Primary: 8-second test mode, 4, 8, 16 and 30 minute time-outs<br>Secondary: (Can be disabled) 30, 60 and 90 minute time-outs |
| Passive infrared | Dual element pyrometer and spherical Fresnel lens |
| Daylight sensor | Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person* |
| Coverage | 360° lens provided, 180° aisle and end-of-aisle lenses also available |
| Load ratings (Line voltage units) | 120V AC: 800W ballast or tungsten, 5 LED<br>277V AC: 1200W ballast, 5 LED<br>347V AC: 1500W ballast<br>208/240V AC: 1200W ballast<br>480V AC: 2400W ballast<br>¼ HP motor load @ 120V AC,<br>⅙ HP @ 347V AC |
| Low voltage sensors (Output) | 24V DC nominal, 33mA from Hubbell CU series control unit<br>Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay |
| 0-10V Dimming | Capable of sinking up to 30mA (Dimming series) |
| Dimming presets unoccupied | 70%, 60%, 50%, 20%<br>(Dimming series) |
| Full OFF timer delay enabled | After 60 minutes in the Unoccupied low level state, sensor will turn lighting OFF |
| Full OFF timer delay disabled | Sensor will maintain low level setting when there is no occupancy (Dimming series) |
| Operating environment | Indoor use only models<br>Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C);<br>Relative humidity (non-condensing): 0% to 95% |
| | Indoor and outdoor use (Watertight) IP65 models HBSXT series<br>Operating temperature: -40°F to 149°F (-40°C to 65°C) |
| Construction | Casing: High-impact injection-molded thermoplastic |
| Size and weight | Size: 4.0" Diameter x 1.5" Height; Weight: 7 oz. |
| Color | White |
| Mounting | Mounts directly to end of a fixture through an extended ½ inch chase nipple for deeper body fixtures, an optional Extender Adapter (HMHBSA available separately) positions the sensor flush or below the bottom of the reflector for a full field of view |
| Certifications | cULus Listed, indoor models |
| | Conforms to UL STD 508, UL STD 244A, and IP65 (Watertight) models HBSXT series |
| Warranty | 5 year limited |

*Note: *When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.*

## Coverage Pattern

**Minor Motion:** PIR **Major Motion:** PIR

**HMHB Series**



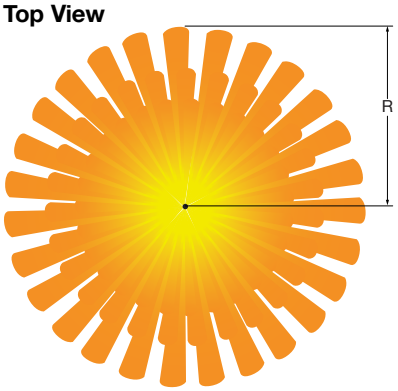

Lens Coverage
C = 1.4 @ 00–30 and 1.1 @ 30–45 (FT)

| Height (H) | Radius (R) | Diameter (D) |
|---|---|---|
| 18 | 25.2 | 50.4 |
| 20 | 28 | 56 |
| 24 | 33.6 | 67.2 |
| 28 | 39.2 | 78.4 |
| 30 | 42 | 84 |
| 32 | 35.2 | 70.4 |
| 36 | 39.6 | 79.2 |
| 40 | 44 | 88 |
| 42 | 46.2 | 92.4 |
| 45 | 49.5 | 99 |

## OPTIMYZER® Low Mount Lens Modification Coverage Patterns

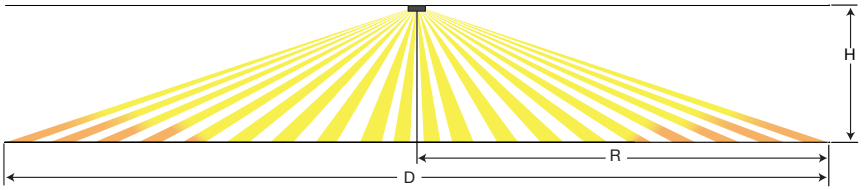
**Minor Motion:** PIR **Major Motion:** PIR

**Top View**




**LBRL360**

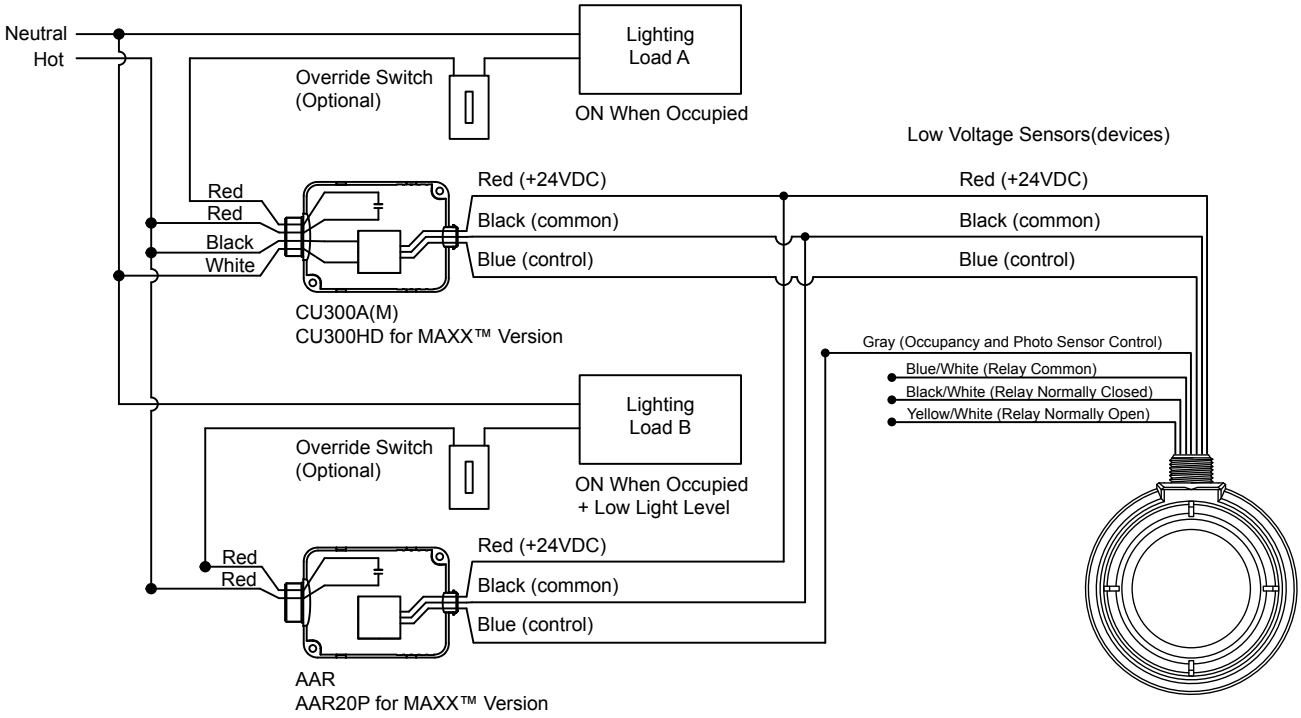
**Side View**

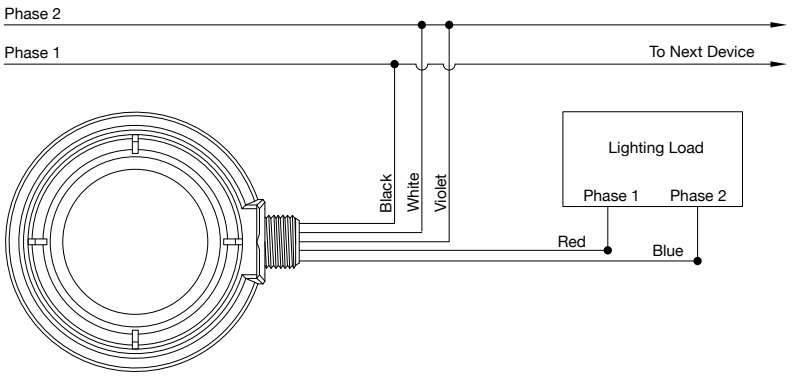



Lens Coverage
3:1 Ratio (FT)

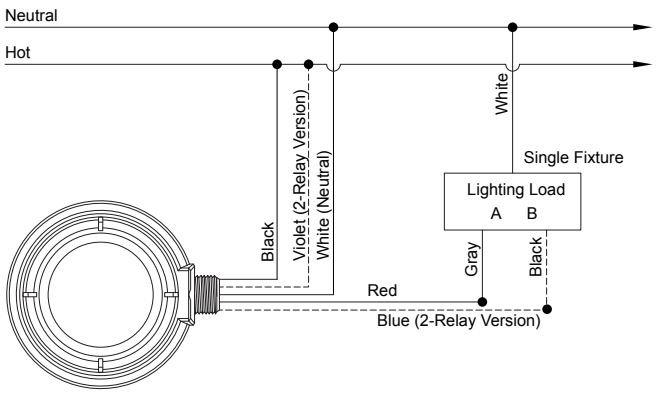
| Height (H) | Radius (R) | Diameter (D) |
|---|---|---|
| 8 | 24 | 48 |
| 10 | 30 | 60 |
| 12 | 36 | 72 |
| 14 | 42 | 84 |
| 16 | 48 | 96 |

## OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Low Voltage Sensor with Control Unit

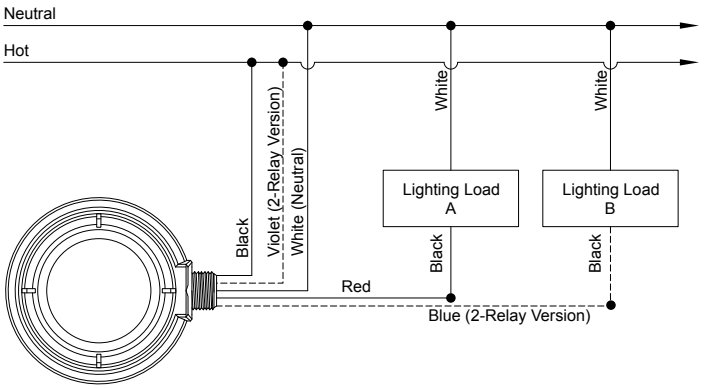



## OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Single Fixture




## OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Two Fixtures





HBL5362LC2W



HBL2172LC2W

## HBL® Heavy Duty Style Line® Specification Grade and Hospital Grade Straight Blade Switched Duplex Receptacles

### Specifications

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification - Catalog No. HBL5262LC1, HBL2172LC1 | Receptacle | 15A (Always Hot), 8.3A (Switched) |
| Manufacturer's Identification - Hubbell HBL5262LC1 Receptacle | Top | Nylon |
| Description - Straight Blade Switched Duplex Receptacle | Base | Nylon |
| Type - 2 Pole, 3 Wire Grounding | Power Contacts | 0.031 in. (0.8) Brass |
| Rating - Uncontrolled (Always Hot) 15A, 125V | Wire Clamp | 0.062 in. (1.6) Steel-Nickel Finish |
| - Controlled (Switched) Tungsten 8.3A, CFL & LED: 3.75A | Mounting Strap | 0.047 in. (1.2) Brass |
| Motor Load: 1/2HP | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| Certification - cULus 498B SA: UL File No. E481574 | Ground Screw | #8-32 Brass, Multiple Drive |
| Fed. Spec. WC596G | Center Assembly Staple | 0.040 in. (1) Steel (Galvanized) |
| | Automatic Self-Grounding Staple | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

### Specifications

| Receptacle | Part | Description |
|---|---|---|
| Typical Specification - Catalog No. HBL5362LC1, HBL2182LC1 | Receptacle | 20A (Always Hot), 12.5A (Switched) |
| Manufacturer's Identification - Hubbell HBL5362LC1 Receptacle | Top | Nylon |
| Description - Straight Blade Switched Duplex Receptacle | Base | Nylon |
| Type - 2 Pole, 3 Wire Grounding | Power Contacts | 0.031 in. (0.8) Brass |
| Rating - Uncontrolled (Always Hot) 20A, 125V | Wire Clamp | 0.062 in. (1.6) Steel-Nickel Finish |
| - Controlled (Switched) Tungsten 12.5A, CFL & LED: 5A | Mounting Strap | 0.047 in. (1.2) Brass |
| Motor Load: 1HP | Line Terminal Screws | #8-32 Brass, Multiple Drive |
| Certification - cULus 498B SA: UL File No. E481574 | Ground Screw | #8-32 Brass, Multiple Drive |
| Fed. Spec. WC596G | Automatic Self-Grounding Staple | Stainless Steel |
| | Mounting Screws | Zinc Plated Steel |

### Performance

| Electrical (Always Hot Receptacle) | |
|---|---|
| Dielectric Voltage | Withstands 2,000V minimum. |
| Max. Working Voltage | 125V AC |
| Current Interrupting | Certified for current interrupting at full current. |
| Temperature Rise | Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at power factor of 75%. |
| **Mechanical** | |
| Terminal Identification | Terminals identified in accordance with UL498 and CSA (Brass, White, Green). |
| Terminal Accomodation | #14-10 AWG stranded or solid copper conductor only. |
| Product Identification | Ratings are a permanent part of the device. |
| **Environmental** | |
| Flammabilty | UL94V-2 |
| Operating Temperature | 32°F (0°C) to 104°F (40°C) |

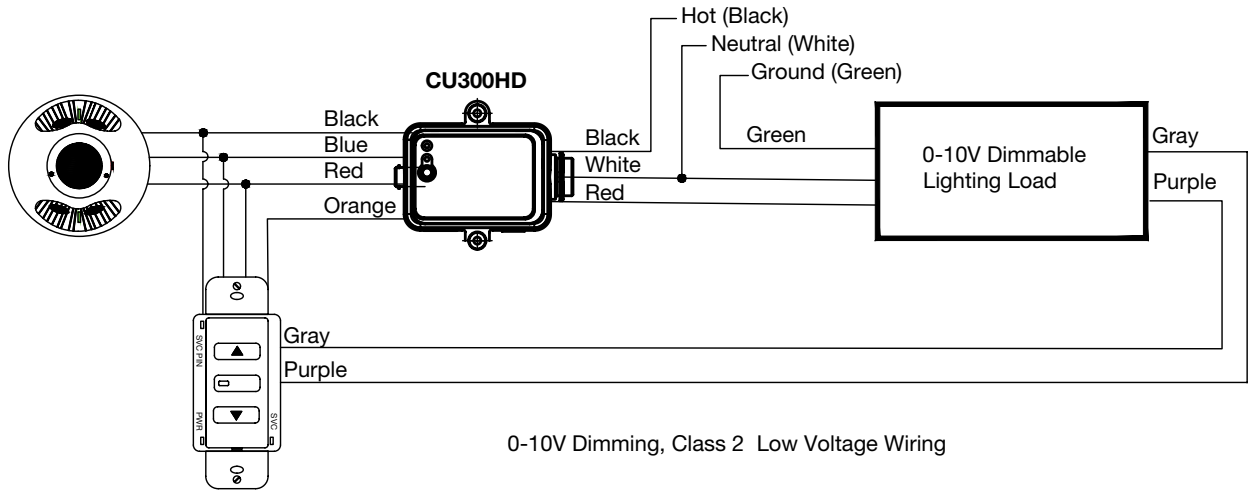
## Low Voltage Switches with 0-10V Dimming

### Specifications

Base Catalogs: DSM30xx, DSL30xx, DSC010xx, DSM010xx, DSL010xx
Compatible with Hubbell Wiring Device-Kellems CU300HD, CU300M control units, AAR20P relay packs.
0-10V Dimming Series compatible with IEC60929 Annex E.2 compliant LED Drivers
Accepts Hubbell Wiring Device-Kellems NPS26 and NP26 series decorator style wall plates (Not Included)
Two-year warranty

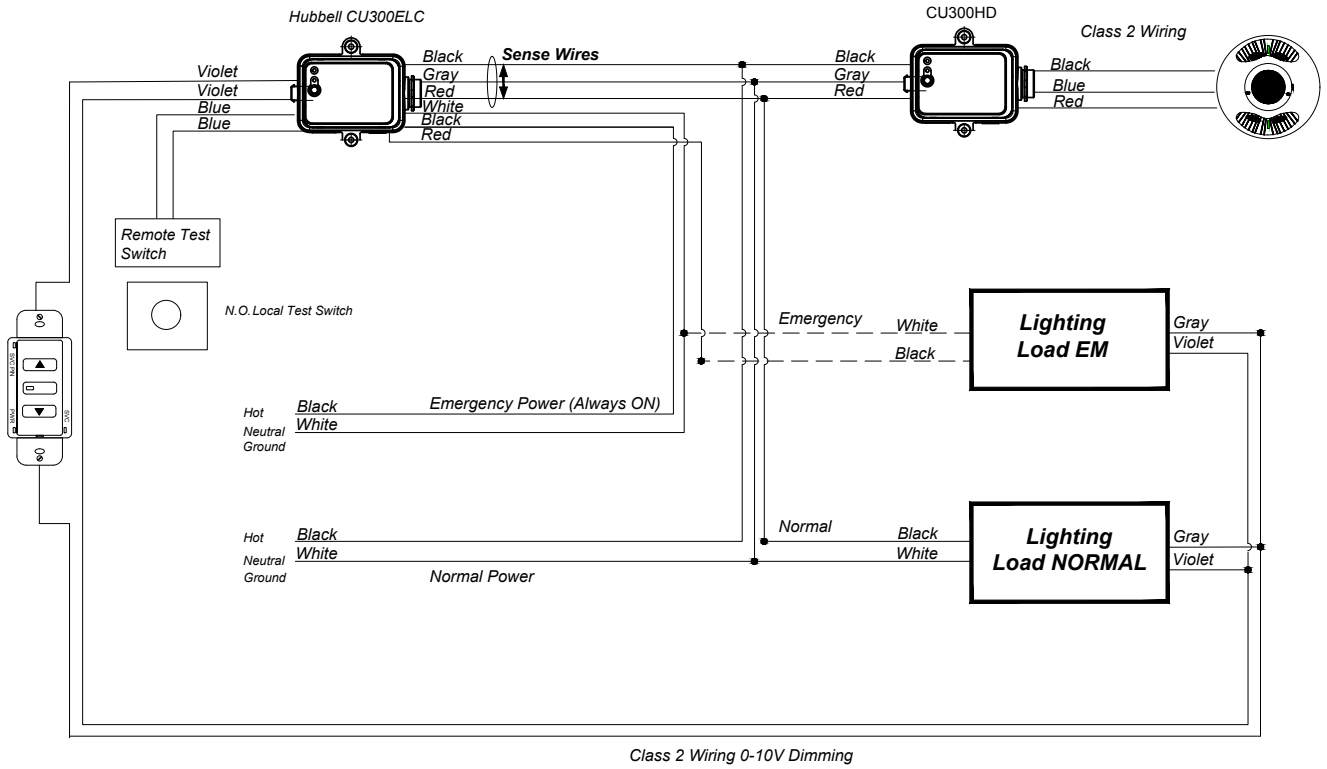
### Electrical Ratings

100mA @ 30VDC
0-10V Dimming Series: Current Sinking Capacity: 100mA
Available in Latching, Momentary, and Combination (DSC010series) of both configurations




*Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.*

## CU300ELC Unit Wired with Control Unit CU300HD



# SECTION F

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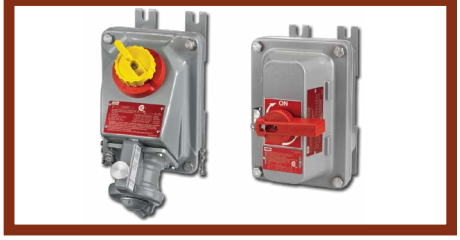
**Circuit-Lock® Unfused Disconnect Switches**



**Fused Disconnects, MotorQuick® and VFDs**



**Hazardous Locations**




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## Products at a Glance

### UL508/UL60947 Circuit-Lock® Motor Disconnects




**Labelless Circuit-Lock® Disconnect Switches**

- Non-metallic and stainless steel options
- Available in 30, 60 and 100 Amp versions
- IP69k and Type 4X, 12K water ingress protection
- Permanent labelless markings
- Available with six highly visible LED Indicators
- Certified by NSF for hygiene in Food Processing applications
- Highly visible red handle which meets OSHA LO/TO capabilities
- Accepts up to 2 auxiliary contacts
- Cover cannot be removed with switch in the “ON” position







**Enhanced Features:**

- **inSIGHT** - LED indicators provide visual confirmation of power by phase
- **MotorQuick®** - Plug and play functionality to reduce Total Cost of Ownership
- **VFDs** - Factory installed auxiliary contact for safe disconnecting in VFD applications
- **JOG** - Factory installed Jog switch for point of use communication to PLC/VFD
- **Stainless Steel Sloped Top** - 15° rounded top aids run-off by minimizing horizontal surfaces




### UL98 Circuit-Lock® Motor Disconnects



**200A Circuit-Lock® Disconnect Switches**

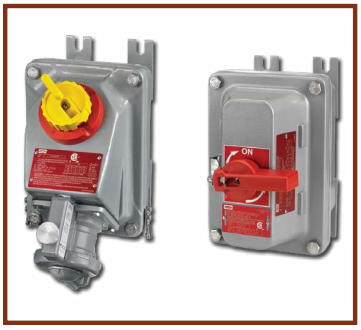
- Non-metallic & stainless steel
- Type 4X, 12
- Accepts up to 2 auxiliary contacts
- OSHA Compliant Lockout/ Tagout handle
- Unable to open the cover when “ON”; cover locked when energized




**Circuit-Lock® 30 and 60 Amp Fused Disconnect Switches**

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Removable door for ease of wiring and installation
- Switch accepts Class “J” fuses and up to 2 auxiliary contacts

### UL98 and UL508 Disconnect Switches



**Hazardous Locations**

- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances
- For use as motor disconnects

### UL508 Switches



**Disconnect Switches**

- Thermoset body provides high resistance to electrical arc tracking
- Withstands high temperatures
- Provides long-life reliability

## New Innovations

### Circuit-Lock® 30A Disconnects with LED Indicators

Hubbell's new 30A Circuit-Lock Disconnect with integral phase indication LEDs redefines the benchmark for safety by providing insight into the enclosure while in use. Six highly visible LEDs (3 line side/3 load side) communicate the electrical status of the switch by phase. This voltage detection feature significantly improves existing safety and maintenance procedures by visually providing personnel critical information prior to removing the enclosure cover; e.g. a welded contact or dropped phase.

Hubbell inSIGHT™ phase indicating disconnect switches are available in non-metallic and stainless steel versions. Replacement covers are available for upgrades to existing installations. With an ever growing focus on safety improvements Hubbell inSIGHT™ disconnects provide a difference you literally can see.

inSIGHT™

*Insight (n): the power or act of seeing into a situation*







### Housing Design

- Six highly visible integral phase identification LEDs provide secondary means of visual confirmation of make/break on all phases
- Available in non-metallic, stainless steel and jog switch versions
- IP69k and Type 4X, 12K water ingress protection




### Safety

- High visibility red handle can be locked in the OFF position to comply with OSHA Lockout/Tagout requirements
- Quickly upgrade the safety of existing installations with an inSIGHT™ replacement cover
- Verification of opening of load side contacts




### Unfused Disconnect Switches with LEDs

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Non-Metallic disconnect switch with LEDs | **HBLDS3P** | **HBLDS6P** | **HBLDS10P** |
| Non-Metallic disconnect switch with HBLAC1 auxiliary contact | **HBLDS3PAC** | **HBLDS6PAC** | **HBLDS10PAC** |
| Non-Metallic disconnect switch with HBLAC2 auxiliary for use with VFDs | **HBLDS3PVFD** | — | — |
| Stainless Steel square top disconnect switch with LEDs | **HBLDS3SSP** | **HBLDS6SSP** | **HBLDS10SSP** |
| Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact | — | **HBLDS6SSPAC** | **HBLDS10SSPAC** |
| Stainless Steel sloped top disconnect switch with LEDs | **HBLDS3SSRP** | **HBLDS6SSRP** | **HBLDS10SSRP** |
| Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact | — | **HBLDS6SSRPAC** | **HBLDS10SSRPAC** |

*Note: *Certified by NSF, International.*
*For use with 3Ø Y configurations only.*




**HBLDS3P**




**HBLDS3SSRP**

### Auxiliary Contacts

| Description | Catalog Number |
|---|---|
| "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1**** |
| "Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives. | **HBLAC2**** |

## Features and Benefits

### Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Constructed from corrosion and impact resistant UV stabilized non-metallic material
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts
- Reversible interior accomodates top or bottom conduit opening




**Enhanced Features:**

- Adjustable mounting feet are now 40% stronger to help prevent nuisance breakage
- Product ratings are permanently laser-marked to the HBLDS3 devices and will not wash off
- Truly captive screws prevent lost screws
- Now shipped from factory as bottom feed for quicker installation in 4X applications




### LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases




### Variable Frequency Drive (VFD)

- Integrates a verified break before break auxiliary contact factory installed in our HBLDS series
- Prevents downtime from out of sequence equipment shutdowns




### Jog Switch

- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout




### MotorQuick® Version

- Significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system
- Motor rotation can be pre-checked in a maintenance shop to further speed the installation

## Non-Metallic Labelless Circuit-Lock® Switched Disconnect Enclosures*

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Disconnect switch. | **HBLDS3** | **HBLDS6** | **HBLDS10** |
| Disconnect switch with HBLAC1 auxiliary contact. | **HBLDS3AC** | **HBLDS6AC** | **HBLDS10AC** |
| Disconnect switch for use with variable frequency drives. | **HBLDS3VFD** | **HBLDS6VFD** | **HBLDS10VFD** |
| Disconnect switch without conduit knockout or conduit fitting. | **HBLDS3NK** | — | — |
| Disconnect switch with HBLAC1 auxiliary contact without conduit knockout or conduit fitting. | **HBLDS3ACNK** | — | — |
| Disconnect switch with 3 auxiliary contacts, without conduit knockouts. Break before main break – 1 set "normally open", 1 set "normally closed". Break after main break – 2 sets "normally open", 1 set "normally closed". | **HBLDS33ACNK** | — | — |



**HBLDS3**

## Non-Metallic Labelless Disconnects with Jog Switch*

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Disconnect switch. | **HBLDS3J** | **HBLDS6J** | **HBLDS10J** |
| Disconnect switch with HBLAC1 auxiliary contact. | **HBLDS3ACJ** | — | — |
| Disconnect switch for use with variable frequency drives. | **HBLDS3VFDJ** | — | — |
| Disconnect switch with Jog switch and LEDs. | **HBLDS3PJ** | **HBLDS6PJ** | **HBLDS10PJ** |



**HBLDS3VFD**

## Unfused Disconnect Switches with LEDs*

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Non-Metallic disconnect switch with LEDs | **HBLDS3P** | **HBLDS6P** | **HBLDS10P** |
| Non-Metallic disconnect switch with HBLAC1 auxiliary contact | **HBLDS3PAC** | **HBLDS6PAC** | **HBLDS10PAC** |

*Note: *Certified by NSF, International.*
*LED version for use with 3Ø Y configurations only.*



**HBLDS3J**

## Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

| Description | Catalog Number |
|---|---|
| "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1**** |
| "Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives. | **HBLAC2**** |

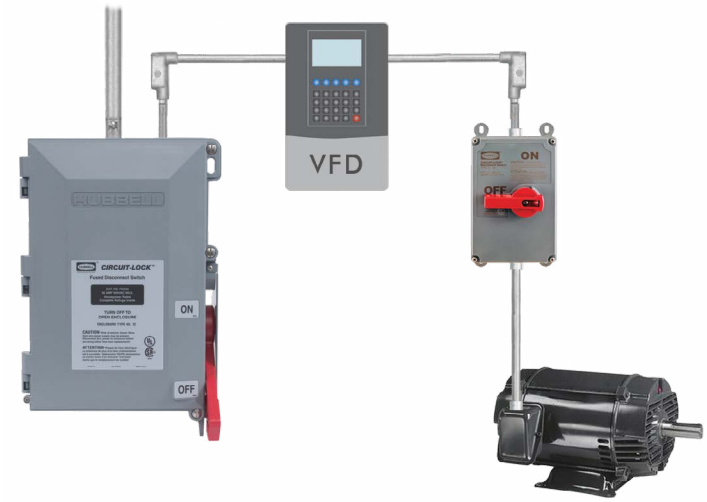
*Note: **Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*
*30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.*
*60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.*



**HBLDS3P**

## Variable Frequency Drive Diagram

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determinted the timing of our early break auxiliary contact HBLAC2 safely disconnects the power by signaling the VFD that the motor disconnect is being turned OFF. The VFD then executes a coast-to-stop preventing any damage to the disconnect switch and the VFD output device.





**HBLAC1**


**HBLAC2**

## Features and Benefits

### Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock® Unfused Disconnect Switches are UL listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Formed in nonporous 304 stainless steel
- IP69k and Type 4X,12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Fixed offset 1/4 inch mounting feet meet NEC airspace requirements for metal enclosures
- Labelless markings on the cover
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 Auxiliary contacts







**More than ever food and beverage processing facilities see the value of investing in intelligent design and following best practices in hygiene.**

The sloped top enclosure is consistent with these best practices. Horizontal surfaces have been minimized to assist with getting it clean and keeping it clean.




### LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



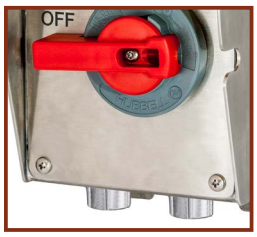

### Housing Design

- Sloped top design sheds water and debris
- Fully shrouded handle prevents damage to the handle
- Captive screws prevent lost screws




### Jog Switch

- Cost Savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added Safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout




### Labor Savings

- 15° Sloped Top version available pre-drilled with ¾ inch stainless steel hubs for bottom feed applications
- Ample gutter space for hassle free installation

## Stainless Steel Circuit-Lock® Unfused Switched Disconnect Enclosures*

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Square Top disconnect switch. | **HBLDS3SS** | **HBLDS6SS** | **HBLDS10SS** |
| Square Top disconnect switch with HBLAC1 auxiliary contact. | **HBLDS3SSAC** | **HBLDS6SSAC** | **HBLDS10SSAC** |
| Square Top disconnect switch for use with variable frequency drives. | **HBLDS3SSVFD** | **HBLDS6SSVFD** | **HBLDS10SSVFD** |
| Sloped Top disconnect switch. | **HBLDS3SSR** | **HBLDS6SSR** | **HBLDS10SSR** |
| Sloped Top disconnect switch with HBLAC1 auxiliary contact. | **HBLDS3SSRAC** | **HBLDS6SSRAC** | **HBLDS10SSRAC** |
| Sloped Top disconnect switch for use with variable frequency drives. | **HBLDS3SSRVFD** | **HBLDS6SSRVFD** | **HBLDS10SSRVFD** |
| Sloped Top disconnect, Pre-drilled 4X with (2) ¾ inch stainless steel hubs. | **HBLDS3SSR2K** | — | — |
| Sloped Top enclosure, Blank. | **HBLDSSRNK3** | **HBLDSSRNK6** | — |



**HBLDS3SS**

## Stainless Steel Disconnects with Jog Switch

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Square Top disconnect | **HBLDS3SSJ** | **HBLDS6SSJ** | **HBLDS10SSJ** |
| Square Top disconnect with Jog switch and LEDs | — | **HBLDS6SSPJ** | **HBLDS10SSPJ** |
| Sloped Top disconnect | **HBLDS3SSRJ** | **HBLDS6SSRJ** | **HBLDS10SSRJ** |
| Sloped Top disconnect with Jog switch and LEDs | **HBLDS3SSRPJ** | **HBLDS6SSRPJ** | **HBLDS10SSRPJ** |



**HBLDS3SSJ**

## Unfused Disconnect Switches with LEDs

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| Stainless Steel square top disconnect switch with LEDs | **HBLDS3SSP** | **HBLDS6SSP** | **HBLDS10SSP** |
| Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact | — | **HBLDS6SSPAC** | — |
| Stainless Steel sloped top disconnect switch with LEDs | **HBLDS3SSRP** | **HBLDS6SSRP** | **HBLDS10SSRP** |
| Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact | — | **HBLDS6SSRPAC** | **HBLDS10SSRPAC** |

*Note: *Certified by NSF, International.*
*For use with 3Ø Y configurations only.*



**HBLDS3SSR**

## Stainless Steel Conduit Hubs

| Description | Catalog Number |
|---|---|
| ¾ inch stainless steel conduit hub. | **HUB75SS** |
| 1¼ inch stainless steel conduit hub. | **HUB125SS** |



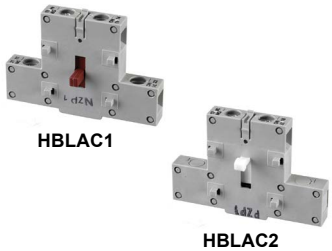
**HBLDS3SSRPJ**

## Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

| Description | Catalog Number |
|---|---|
| "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1**** |
| "Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives. | **HBLAC2**** |

*Note: *Certified by NSF, International.*
***Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*
*30A Units are supplied with one ¾ in. NPT Raintight conduit fitting.*
*60A and 100A Units are supplied with two 1¼ in. NPT Raintight conduit fittings.*


**HUB125SS**
**HUB75SS**


**HBLAC1**
**HBLAC2**


**HBLDSSRNK3**

IP66
SUITABILITY



HBLDS3RCP

## Non-Metallic Replacement Covers

| Description | | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|---|
| For disconnect switches. | Standard | **HBLDS3RC** | **HBLDS6RC** | **HBLDS10RC** |
| | with LEDs. | **HBLDS3RCP** | **HBLDS6RCP** | **HBLDS10RCP** |
| | with Jog switch. | **HBLDS3RCJ** | **HBLDS6RCJ** | **HBLDS10RCJ** |
| | with LEDs and Jog. | **HBLDS3RCPJ** | **HBLDS6RCPJ** | **HBLDS10RCPJ** |



HBLDS3RCJ

## Stainless Steel Replacement Covers

| Description | | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|---|
| For square top disconnect switches. | Standard | **HBLDS3SSRC** | **HBLDS6SSRC** | **HBLDS10SSRC** |
| | with LEDs. | **HBLDS3SSRCP** | **HBLDS6SSRCP** | **HBLDS10SSRCP** |
| | with Jog switch. | **HBLDS3SSRCJ** | **HBLDS6SSRCJ** | **HBLDS10SSRCJ** |
| | with LEDs and Jog. | — | **HBLDS6SSRCPJ** | **HBLDS10SSRCPJ** |
| For sloped top disconnect switches. | Standard | **HBLDS3SSRRC** | **HBLDS6SSRRC** | **HBLDS10SSRRC** |
| | with LEDs. | **HBLDS3SSRRCP** | **HBLDS6SSRRCP** | **HBLDS10SSRRCP** |
| | with Jog switch. | **HBLDS3SSRRCJ** | **HBLDS6SSRRCJ** | **HBLDS10SSRRCJ** |
| | with LEDs and Jog. | — | **HBLDS6SSRRCPJ** | **HBLDS10SSRRCPJ** |



HBLDS3SSRC

## Replacement Ground Block

| Description | Catalog Number |
|---|---|
| For 30A switches. | **HBL30RGB** |
| For 60A and 100A switches. | **HBL60100RGB** |

## Replacement Neutral Block

| Description | Catalog Number |
|---|---|
| For 30A switches. | **HBL30RNB** |
| For 60A switches. | **HBL60RNB** |
| For 100A switches. | **HBL100RNB** |



HBLDS3SSRRC

## Replacement Switches

| Description | Catalog Number |
|---|---|
| For 30A switches. | **HBLDS3RS** |
| For 60A and 100A switches. | **HBLDS60100RS** |
| For HBLDS33ACNK. | **HBLDS33ACRS** |

## Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| For 30A non-metallic switches. | **HBLRFT1**$^{\Delta}$ |
| For 60A and 100A non-metallic switches. | **HBLRFT2**$^{\Delta}$ |

*Note:* $^{\Delta}$ *Package of 10 feet and 10 screws.*



HBLDS3SSRRCP


HBL30RGB


HBL30RNB


HBLDS3RS


HBLRFT1

## Dimensions

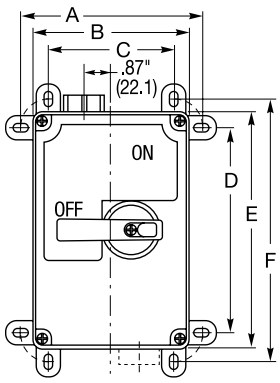
| | Labelless Non-Metallic | | | | Stainless Steel, Square Top | | | | Stainless Steel, Sloped Top | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30A | | 60A/100A | | 30A | | 60A/100A | | 30A | | 60A/100A | |
| Key | inch | (mm) | inch | (mm) | inch | (mm) | inch | (mm) | inch | (mm) | inch | (mm) |
| **A** | 6.00 | (152) | 7.75 | (197) | — | | — | | — | | — | |
| **B** | 5.12 | (130) | 6.87 | (175) | 4.87 | (124) | 7.30 | (185) | 5.41 | (137) | 7.66 | (195) |
| **C** | 4.12 | (105) | 4.75 | (121) | 3.30 | (84) | 5.50 | (140) | 4.50 | (114) | 6.45 | (164) |
| **D** | 6.62 | (168) | 8.00 | (203) | — | | — | | — | | — | |
| **E** | 7.62 | (194) | 9.95 | (253) | 7.05 | (179) | 10.30 | (262) | 8.60 | (218) | 11.41 | (290) |
| **F** | 8.50 | (216) | 11.00 | (279) | 8.38 | (213) | 11.63 | (296) | 8.22 | (209) | 11.17 | (284) |
| **G** | 4.12 | (105) | 5.94 | (151) | 5.39 | (137) | 5.93 | (151) | 4.92 | (125) | 6.10 | (155) |

## Horsepower Ratings

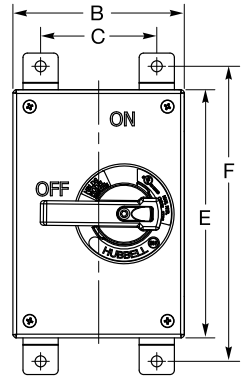
| Voltage | 30A | 30A* | 60A | 100A |
|---|---|---|---|---|
| 1Ø 120V AC | 1 | 1 | 7.5 | 7.5 |
| 1Ø 200–240V AC | 3 | 2.5 | 15 | 15 |
| 1Ø 480V AC | 5 | 5 | 30 | 30 |
| 3Ø 200–240V AC | 7.5 | 5 | 30 | 30 |
| 3Ø 480V AC | 15 | 10 | 50 | 50 |
| 3Ø 600V AC | 15 | 10 | 50 | 50 |

*Note: *HBLDS33ACNK.*

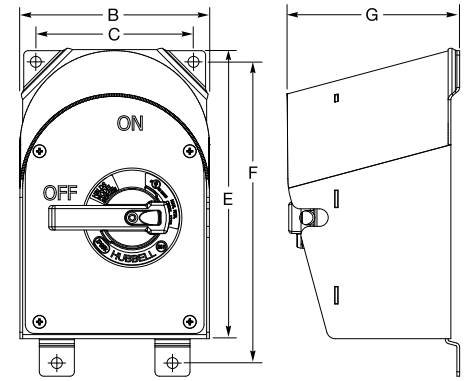
**Non-Metallic**




**Stainless Steel, Square Top**




**Stainless Steel, Sloped Top**




## Circuit-Lock® Unfused Disconnect Switches

Specifications

| | |
|---|---|
| Moisture Resistance | Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant);<br>Indoor – 30, 60A and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids). |
| Flammability | UL94-5VA and V0 Classification. |
| Operating Temperature | Maximum Continuous 75°C; Minimum Continuous -40°C without impact. |
| UV Resistance | All materials are UV stabilized. |
| Dielectric Voltage | Withstands 3000V AC minimum. |
| Max. Working Voltage | 600V AC RMS. |
| Current Interrupting | Certified for current interrupting at full rated current and voltage. |
| Short Circuit Current Ratings (SCCR): (Motor Disconnect) | • 30/60/100A: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max.<br>• 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max.<br>• 60/100A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 100A max. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Identification | Identification and ratings are part of external label. |
| Mounting | Non-Metallic - External fully adjustable feet. Stainless Steel - Feet are fixed. |
| Impact Resistance | In accordance with UL 746C. |

Materials

| Part | Non-Metallic | Stainless Steel |
|---|---|---|
| Base | PBT | #14 Gauge Type 304 Stainless Steel |
| Top | PBT | #14 Gauge Type 304 Stainless Steel |
| Handle | PBT | PBT |
| Conduit Hub | Zinc 30A Unfused - ¾ in.<br>Zinc 60/100A Unfused - 1¼ in. | Zinc 30A - ¾ in.<br>Zinc 60/100A - 1¼ in. |
| Enclosure Gasket | Neoprene | Neoprene |
| Shaft (Unfused) | PBT | PBT |
| Shaft Seal | Molded Neoprene | Molded Neoprene |
| Frame | Galvanized Steel | N/A |
| Enclosure Screws | Stainless Steel 300 Series | Stainless Steel |

*Dimensions in Inches (mm)*

## Plug and Play Technology

MotorQuick® significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches. Quick disconnect terminations will reduce motor change-out time by aproximately 65%. Keeping spare motors already pre-wired with a LINKOSITY® inlet enables wiring to be done off-line when it is convenient, not critical. Motor rotation can be pre-checked in a maintenance shop to further speed the installation. The net result is that equipment is up and running in a fraction of the time, helping improve the bottom line.








## MotorQuick® Cost of Ownership Analysis

### Traditional Motor Changeout

| Catalog Number | Total Material Cost | Labor Cost/ Hr | Downtime | Total Labor Cost | Downtime Cost/hr | Total Downtime Cost | Total Cost |
|---|---|---|---|---|---|---|---|
| **HBL1389D** | $106.00 | $53.00 | 1 hour | $53.00 | $750.00 | $750.00 | $909.00 |
| **HBLDS3** | $185.00 | $53.00 | 1 hour | $53.00 | $750.00 | $750.00 | $988.00 |

### MotorQuick® Motor Changeout

| Catalog Number | Total Material Cost | Labor Cost/ Hr | Downtime | Total Labor Cost | Downtime Cost/hr | Total Downtime Cost | Total Cost | Total Savings |
|---|---|---|---|---|---|---|---|---|
| **HBL1389MQ*** | $299.00 | $53.00 | 20 minutes | $17.67 | $750.00 | $250.00 | $566.67 | **$342.33** |
| **HBLDS3MQ*** | $411.00 | $53.00 | 20 minutes | $17.67 | $750.00 | $250.00 | $678.67 | **$309.33** |

*Note: *MotorQuick catalog numbers are based on the average cost of the various designs.*

c UL us LISTED

MotorQuick®

IP67 SUITABILITY

### Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable



HBL1389MQ5

### Housing Design

- High Impact PBT Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW




HBLDS3MQ5

## MotorQuick® Disconnect Switches

| Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC | Catalog Number |
|---|---|
| **HBL1389D** with one pre-wired LINKOSITY® female receptacle (load side). | **HBL1389MQR** |
| **HBL1389D** with 5 foot pre-wired LINKOSITY® female cable (load side). | **HBL1389MQ5** |
| **HBL1389D** with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | **HBL1389MQR2** |



HBL1389MQR2

| Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC | Catalog Number |
|---|---|
| **HBLDS3** with one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3MQR** |
| **HBLDS3** with 5 foot pre-wired LINKOSITY® female cable (load side). | **HBLDS3MQ5** |
| **HBLDS3** with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3MQR2** |




HBLDS3MQR

| Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC | Sloped Top | Square Top |
|---|---|---|
| **HBLDS3SS** with one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3SSRMQR** | **HBLDS3SSMQR** |
| **HBLDS3SS** with 5 foot pre-wired LINKOSITY® female cable (load side). | **HBLDS3SSRMQ5** | **HBLDS3SSMQ5** |
| **HBLDS3SS** with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3SSRMQR2** | **HBLDS3SSMQR2** |




HBLDS3SSRMQR




HBLDS3SSMQR

## Accessories

| Description | Catalog Number |
|---|---|
| 3P 4W LINKOSITY® male receptacle for installation on motor. | **RM3004PA001** |
| 3P 4W LINKOSITY® female receptacle for installation in switch. | **RF3004PA001** |
| 3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable. | **PH3004PAxxx*** |
| 3P 4W LINKOSITY® single ended (female) 5-50 foot cable. | **PF3004PAxxx*** |
| Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter. | **SHC1037CR** |
| Lock-on cover for LINKOSITY® connections. | **PH2030C** |

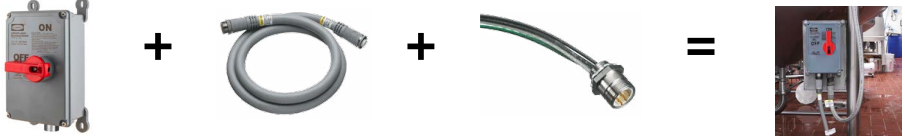
*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*



PH2030C

## Sample Set Up

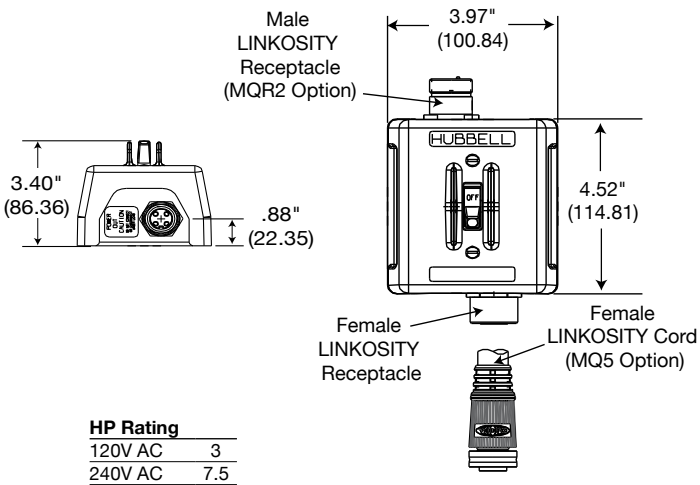
(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****




*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

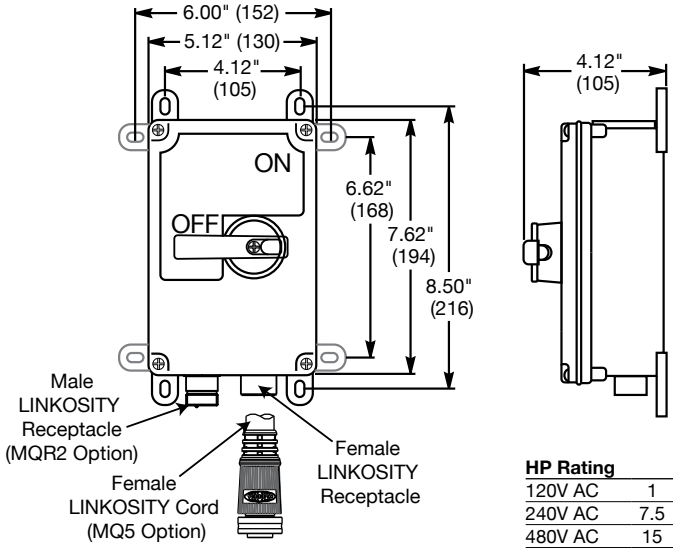
## Dimensions

### Type 1




| HP Rating | |
|---|---|
| 120V AC | 3 |
| 240V AC | 7.5 |
| 480V AC | 15 |
| 600V AC | 20 |

### Type 4X




| HP Rating | |
|---|---|
| 120V AC | 1 |
| 240V AC | 7.5 |
| 480V AC | 15 |
| 600V AC | 15 |

## Hubbell-PRO 30 & 60A Motor Disconnects

Hubbell-PRO motor disconnects are value engineered for commercial and light duty applications. They are available in 30A and 60A versions with optional early break auxiliary contacts for use with VFDs and other auxiliary equipment.

### Features

- UL 508 / UL 60947-4-1
- HP Rated
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- OSHA Compliant LO/TO Handle
- Compact, Installation Friendly Enclosure




## Ordering Information

| Catalog Number | Amps | Description | HP Rating 240 3ØVAC | HP Rating 480 3ØVAC | HP Rating 600 3ØVAC | NO & NC Aux Contacts* | 2 NO Aux Contacts* |
|---|---|---|---|---|---|---|---|
| **MD30** | 30 Amp | Disconnect Enclosure | 7.5 | 15 | 15 | **MDAC2** | **MDAC2NO** |
| **MD30XL** | 30 Amp | XL Disconnect Enclosure | 7.5 | 15 | 15 | **MDAC2** | **MDAC2NO** |
| **MD60** | 60 Amp | Disconnect Enclosure | 20 | 40 | 40 | **MDAC2** | **MDAC2NO** |

**Break before main action*

### 30 Amp Accessories

| 30 Amp | Catalog Number |
|---|---|
| Ground Module | **MDGB** |
| Neutral Pole | **MDNB** |
| 30A Additional Pole | **MD4P** |

### 60 Amp Accessories

| 60 Amp | Catalog Number |
|---|---|
| Ground Module | **MD60GB** |
| Neutral Pole | **MD60NB** |

### Materials

| | |
|---|---|
| Cover | Polycarbonate |
| Base | Polycarbonate |
| Handle | Polycarbonate |
| Assy. Screws | Stainless Steel |

*Dimensions in Inches (mm)*

## Features and Benefits

### Circuit-Lock® 200A Disconnect Switches

Hubbell's 200A Disconnect Switches are the latest addition to the Circuit-Lock® family of switched enclosures. The enclosures are designed to withstand harsh environments with exposure to water, chemicals, oils and frequent washdowns. Available in non-metallic or stainless steel, the enclosures are UL Listed Type 4X and 12.

- UL 98 Rated Switch
- Non-Metallic and Stainless Steel
- Type 4X, 12
- Accepts up to 2 Auxiliary Contacts
- Highly Visible Red Rotary Handle
- OSHA Compliant Lockout/Tagout Handle
- Unable to Open the Cover when ON; Cover Locked when Energized
- 200kA SCCR Rating when Protected by a Class "J" Fuse

*Designed to Withstand Harsh Environments*



HBLDS20

HBLDS20SS

### Circuit-Lock® 200A Disconnect Switches

| Description | Catalog Number |
|---|---|
| 200A non-metallic disconnect. | **HBLDS20** |
| 200A stainless steel disconnect. | **HBLDS20SS** |
| N/O auxiliary contact - "Break Before Main". | **HBLAC200** |
| 200A replacement switch. | **HBLDS20RS** |
| 200A replacement handle. | **HBL200HDL** |

### Materials - 200A Disconnect Switches

| | Non-Metallic | | Stainless Steel | |
|---|---|---|---|---|
| Description | Material | Finish | Material | Finish |
| Enclosure | FR Polyester | — | 14 Ga. 304 SST | Smooth Grain |
| Handle | Plastic | Red/Yellow | Plastic | Red/Yellow |
| Switch | Plastic | — | Plastic | — |
| Backplate | 12 Ga. Aluminum | None | 14 Ga. 304 SST | 304 Ann 2B |
| Terminals | Aluminum | Tin Plated | Aluminum | Tin Plated |
| Fasteners | Steel | Zinc Plated | Steel | Zinc Plated |
| Mounting Feet | — | — | 304 SST | — |

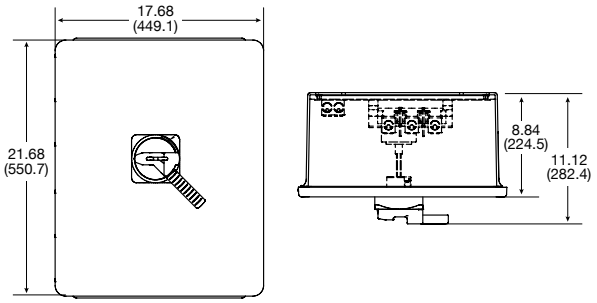
### HP Ratings

| Voltage | Std HP | Max HP* |
|---|---|---|
| 120 VAC 1Ø | 1.5 | 10 |
| 208-240 VAC 1Ø | 3.0 | 10 |
| 240 VAC 3Ø | 7.5 | 75 |
| 480 VAC 3Ø | 15.0 | 150 |
| 600 VAC 3Ø | 15.0 | 200 |
| 120/ 208 VAC 3ØY | 7.5 | 15 |
| 277/480 VAC 3ØY | 15.0 | 30 |
| 347/ 600 VAC 3ØY | 15.0 | 40 |

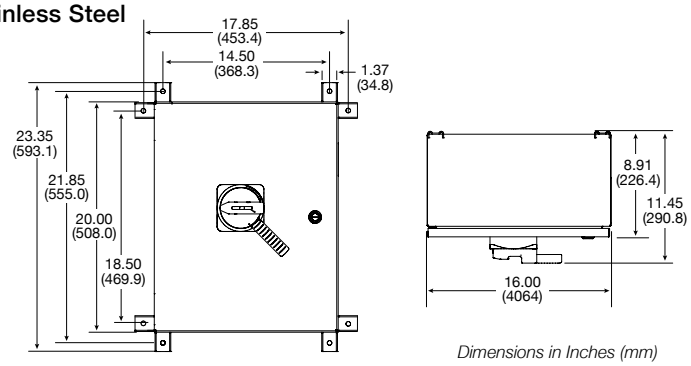
*Note: *When used with time delay fuses.*

### Dimensions

#### Non-Metallic




#### Stainless Steel

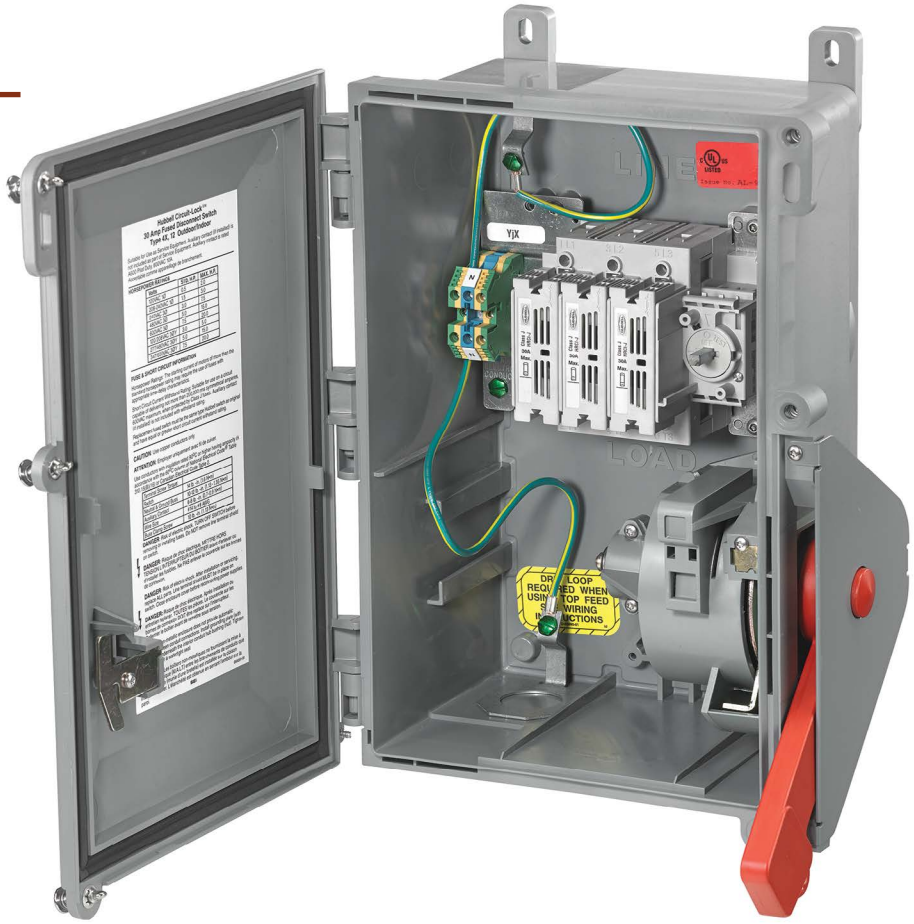



*Dimensions in Inches (mm)*

## Features and Benefits

### Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

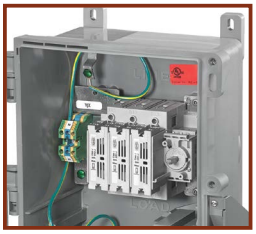
The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.






**Housing Design**

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Enclosure is molded of rugged PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ in. turn door fasteners for quick, easy access to fuses.



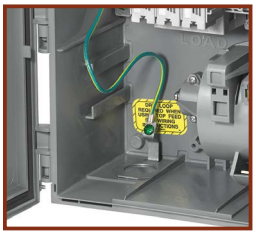
**Internal Design**

- Fused disconnect switches accept Class "J" fuses
- Internal frame automatically bonds all grounds
- Captured neoprene gasket provides a watertight seal between cover and base



**Safety**

- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened
- Lockable highly visible red handle to meet OSHA lockout/tagout
- Safety interlocked fuse access door



**Interior**

- Removable door for ease of wiring and installation
- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT



**Installation**

- Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock® fused disconnect switch.
- Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation



**Switch**

- Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

IP66
SUITABILITY

UL Listed, CSA Certified
TYPE 4, 4X and
12 Enclosure Rating

## 30 and 60 Amp Fused Disconnect Switches

| Description | Catalog Number |
|---|---|
| 30A Circuit-Lock fused disconnect switch. | **FDS30*** |
| 60A Circuit-Lock fused disconnect switch. | **FDS60*** |

*Note: *Class "J" fuses not included.*



**FDS30**

## Auxiliary Contacts

| Description | Black Style Switch Catalog Number | Gray Style Switch Catalog Number |
|---|---|---|
| Auxiliary contact, normally open, A600 pilot duty, break before break. | **ACFSNO** | **HBLACFSNO** |
| Auxiliary contact, normally closed, A600 pilot duty, break before break. | **ACFSNC** | **HBLACFSNC** |

*Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.*

## Replacement Switches

| Description | Gray Style Switch Catalog Number |
|---|---|
| For 30A fused switches. | **HBL30MIFRS** |
| For 60A fused switches. Gray Style switch will retro fit Black Style switch. | **HBL60MIFRS** |

Gray Style Switch


**HBLACFSNO**


**HBL30MIFRS**

## Watertight Closure Plug Kits

| Description | Catalog Number |
|---|---|
| For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks. | **MICPK30** |
| For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks. | **MICPK60** |

Black Style Switch


**ACFSNO**



## Replacement Mounting Feet

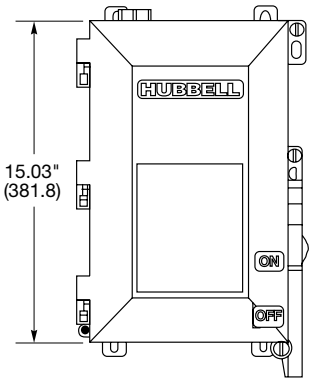
| Description | Catalog Number |
|---|---|
| Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks. | **HBLRFT2**Δ |

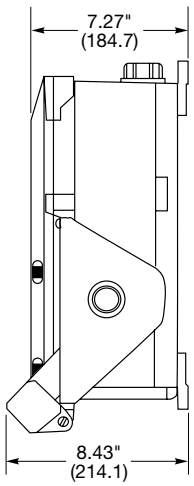
*Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings.*
*60A Units supplied with two 1¼ in. NPT raintight conduit fittings.*
*Δ Package of 10 feet and 10 screws.*

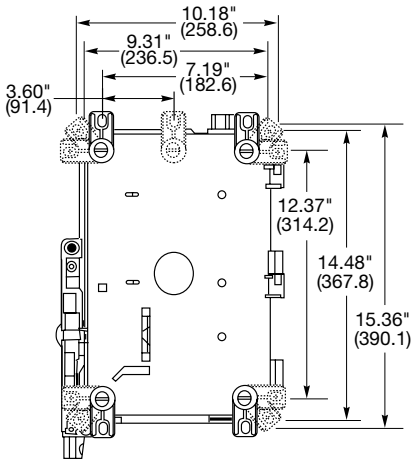

**HBLRFT2**

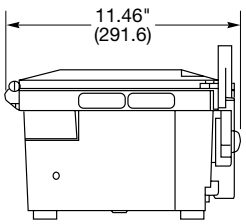

**MICPK30**

## Dimensions




*Dimensions in Inches (mm)*

## Horsepower Ratings

| Ratings | Volts | Standard HP | Maximum HP* | Catalog Number |
|---|---|---|---|---|
| 30A | 120V AC | 0.5 | 2 | **FDS30** |
| 600V AC | 208-240V AC | 1.5 | 3 | |
| Max. | 3Ø 240V AC | 3 | 7.5 | |
| | 3Ø 480V AC | 5 | 15 | |
| | 3Ø 600V AC | 7.5 | 20 | |
| | 3Ø Y 120/208V AC | 3 | 5 | |
| | 3Ø Y 277/480V AC | 5 | 15 | |
| | 3Ø Y 347/600V AC | 7.5 | 20 | |
| 60A | 120V AC | 1.5 | 3 | **FDS60** |
| 600V AC | 208-240V AC | 3 | 7.5 | |
| Max. | 3Ø 240V AC | 7.5 | 15 | |
| | 3Ø 480V AC | 15 | 30 | |
| | 3Ø 600V AC | 15 | 50 | |
| | 3Ø Y 120/208V AC | 7.5 | 15 | |
| | 3Ø Y 277/480V AC | 15 | 30 | |
| | 3Ø Y 347/600V AC | 15 | 40 | |

*Note: *Requires time delay fuses.*

## Fuse and Short Circuit Information

| | |
|---|---|
| Horsepower Ratings | The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics. |
| Short Circuit Withstand Rating | Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class “J” fuses. |

*Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.*

## Circuit-Lock® Fused Disconnect Switch

| Specifications | |
|---|---|
| Moisture Resistance | Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant);<br>Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids). |
| Flammability | UL94-5VA and V0 Classification. |
| Operating Temperature | Maximum Continuous 75°C;<br>Minimum Continuous -40°C without impact. |
| UV Resistance | All materials are UV stabilized. |
| Dielectric Voltage | Withstands 3000V AC minimum. |
| Max. Working Voltage | 600V AC RMS. |
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Identification | Identification and ratings are part of external label. |
| Mounting | External fully adjustable feet. |
| Fuse Types | UL Listed, Class “J”; CSA Certified, HRCI-J. |

| Materials | |
|---|---|
| Part | Material |
| Base | PBT |
| Door | PBT |
| Handle | PBT |
| Conduit Hub | Zinc, 30A Fused – 1 in., 60A Fused – 1¼ in. |
| Enclosure Gasket | Neoprene |
| Shaft | Brass |
| Shaft Seal | Neoprene |
| Frame | Galvanized Steel |
| Ground Plate | Galvanized Steel |
| Enclosure Screws | Stainless Steel 300 Series |

## Ratings Quick Reference Guide

### Circuit-Lock® Switched Enclosures

| Amp | Description | Phase | Poles | HP 120 | HP 240 | HP 480 | HP 600 | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| 30 | TYPE 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL1389MQR** |
| | TYPE 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL1389MQ5** |
| | TYPE 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL1389MQR2** |
| | NEMA 1 Aluminum | 1 | 2 | 2 | 5 | 10 | 15 | **HBL1372** |
| | NEMA 1 Aluminum | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL1379** |
| | NEMA 1 Non-Metallic | 1 | 2 | 2 | 5 | 10 | 15 | **HBL1392** |
| | NEMA 1 Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL1389** |
| | NEMA 3/3R Non-Metallic | 1 | 2 | 2 | 5 | 10 | 15 | **HBL13R22** |
| | NEMA 3/3R Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL13R23** |
| | NEMA 3R Die Cast Aluminum | 1 | 2 | 2 | 5 | 10 | 15 | **HBL13R12** |
| | NEMA 3R Die Cast Aluminum | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL13R13** |
| | NEMA 3R Aluminum | 1 | 2 | 2 | 5 | 10 | 15 | **HBL13R92** |
| | NEMA 3R Aluminum | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL13R89** |
| | IP69k TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3** |
| | IP69k TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3AC** |
| | IP69k TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3NK** |
| | IP69k TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3ACNK** |
| | IP69k TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 5 | 10 | 10 | **HBLDS33ACNK** |
| | TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3MQR** |
| | TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3MQ5** |
| | TYPE 4X Labelless Non-Metallic | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3MQR2** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SS** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSAC** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSVFD** |
| | TYPE 4X Stainless Steel | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSMQR** |
| | TYPE 4X Stainless Steel | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSMQ5** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSR** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSR2K** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSRVFD** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSRAC** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSRMQR** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSRMQ5** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 1 | 7.5 | 15 | 15 | **HBLDS3SSRMQR2** |
| | TYPE 4X Non-Metallic Fused Disconnect | 3 | 3 | 1 | 7.5 | 15 | 20 | **FDS30** |
| | NEMA 4X Stainless Steel | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL13S33D** |
| | NEMA 4X Non-Metallic | 3 | 3 | 3 | 7.5 | 15 | 20 | **HBL13X33D** |
| 60 | NEMA 3R Aluminum | 1 | 2 | — | 10 | 15 | 20 | **HBL16R92D** |
| | NEMA 3R Aluminum | 3 | 3 | — | 10 | 25 | 30 | **HBL16R93D** |
| | IP69k TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6** |
| | IP69k TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6AC** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6SS** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6SSAC** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6SSR** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6SSRVFD** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS6SSRAC** |
| | TYPE 4X Non-Metallic Fused Disconnect | 3 | 3 | 3 | 15 | 30 | 40 | **FDS60** |
| | NEMA 4X Stainless Steel | 3 | 3 | — | 10 | 25 | 30 | **HBL16S63D** |
| | NEMA 4X Non-Metallic | 3 | 3 | — | 10 | 25 | 30 | **HBL16X63D** |
| 100 | IP69k TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10** |
| | IP69k TYPE 4X Non-Metallic | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10AC** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10SS** |
| | IP69k TYPE 4X Stainless Steel | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10SSAC** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10SSR** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10SSRVFD** |
| | IP69k TYPE 4X, 12 and IP69k Sloped, SS | 3 | 3 | 7.5 | 30 | 50 | 50 | **HBLDS10SSRAC** |
| 200 | Type 4X, 12 Non-Metallic | | | 10 | 75 | 150 | 200 | **HBLDS20** |
| | Type 4X, 12 Stainless Steel | | | 10 | 75 | 150 | 200 | **HBLDS20SS** |

*Note: HP ratings apply to Jog and LED versions.*


**HBL1379**


**HBL13R89**


**HBL13S33D**


**HBL16R93D**


**HBLDS3**


**FDS30**


**HBLDS3P**


**HBLDS3J**


**HBLDS3MQR**


**HBLDS3MQ5**


**HBLDS3SS**


**HBLDS3SSR**


**HBLDS20**


**HBLDS20SS**

## Features and Benefits

### Hazardous Location
### Non-Fused Disconnect Switches

Hubbell's hazardous location line of non-fused disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The highly visible handles can be locked out to comply with OSHA Lockout/Tagout regulations.

Class I, Div. 1 & 2, Groups B,C,D

Class I, Zones 1 & 2, Groups IIB+ H2, IIA

Class II, Div. 1 & 2, Groups E,F,G

Class III, NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)






### Applications

- Grain manufacturing and storage
- Industrial chemical and gas manufacturing
- Petroleum refining
- Fertilizer manufacturing
- Vehicle repair/paint shops
- Coal mining
- Cotton and fabric mills




**Housing Design**
- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footprint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances



**Internal Design**
- Gasketed flange with O-ring located inside bolt circle to seal out moisture
- Bodies have top and bottom drilled and tapped conduit entrances for power connection




**Safety**
- Lockable handle to meet OSHA Lockout/Tagout regulations
- For use as motor disconnects



**Safety**
- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with "ON-OFF" indicator allows a quick means of disconnecting power
- For use as motor disconnects




**Installation**
- Fewer cover bolts reduces installation and maintenance time
- Removable ductile mounting lugs adjust to irregular mounting surfaces
- 316 Stainless steel bolts




**Switch**
- Disconnects contain UL98 certified switch
- MI include UL508/UL60947 disconnect switch
- Optional to add one (1) N/O "Break Before Main Break" auxiliary contact

## Standard Materials/Finish

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- Finish: Grey Powder Polyester painted exterior, electrostatically applied
- Ratings: 600V AC, 230V DC 30–100 Amp
- Optional to include up to one (1) N/O “Break Before Main Break” auxiliary contact



HBLB7NFD13A



HBLB7NFD26A

## Unfused Hazardous Location Disconnect Switches

| Description | 30 Amp | 60 Amp | 100 Amp |
|---|---|---|---|
| 3 Pole disconnect switch. | **HBLB7NFD13A** | **HBLB7NFD26A** | **HBLB7NFD21A** |
| 3 Pole disconnect switch with auxuliary contact. | **HBLB7NFD13AA** | **HBLB7NFD26AA** | **HBLB7NFD21AA** |
| “Break Before Main Break”, 1 set of n/o contacts for use with variable frequency drives. | | | **HBLB7AC2** |

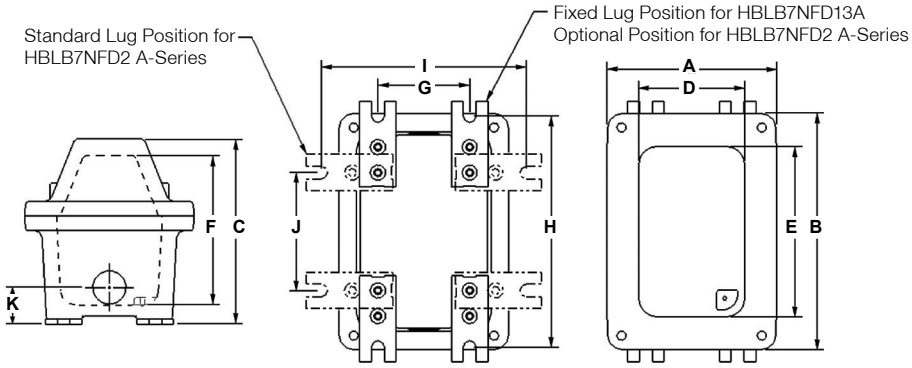
*Note: 30A bodies have 1 inch top and bottom drilled and tapped conduit entrances.*
*60A and 100A bodies have 1-½ inch top and bottom drilled and tapped conduit entrances.*

## Disconnect Horsepower Ratings

| Switch Amps/Phase | Single Phase HP | | Three Phase HP | | | | DC HP | Terminal Wire Size | Conduit Sizes | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|---|
| | 120V AC | 230V AC | 208V AC | 230V AC | 480V AC | 600V AC | 230V DC | | | |
| 30A / 3P | 2 | 5 | 10 | 10 | 20 | 30 | 1 | #14-10 | 1 NPT | **HBLB7NFD13A** |
| 60A / 3P | 3 | 7.5 | 20 | 20 | 40 | 40 | 10 | #14-4 | 1½ NPT | **HBLB7NFD26A** |
| 100A / 3P | 5 | 15 | 25 | 30 | 50 | 50 | 20 | #8-1 | 1½ NPT | **HBLB7NFD21A** |

## Dimensions

| | Outside Box | | | Inside Box | | | Mounting Dimensions | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** |
| 30 Amp | 5¾ | 8$^{1}/_{16}$ | 6$^{5}/_{16}$ | 3$^{5}/_{8}$ | 5 | 5 | 3 | 8 | – | – | 1 |
| 60 & 100 Amp | 8 | 13 | 7 | 4 | 9 | 6 | 2 | 11 | 6 | 7 | 1 |




## Non-Fused UL1686 Hazardous Location Mechanical Interlocks and Plugs

| Amp | Circuit | Mechanical Interlock | Metallic Plug | Insulgrip Plug |
|---|---|---|---|---|
| 30 Amp 600V AC | 2W 3P | **HBLVSQ3023** | **HBLVP3385** | **HBL330PS2W** |
| | 3W 4P | **HBLVSQ3034** | **HBLVP3485** | **HBL430PS2W** |
| 60 AMP 600V AC | 2W 3P | **HBLVSQ6023** | **HBLVP6385** | **HBL360PS2W** |
| | 3W 4P | **HBLVSQ6034** | **HBLVP6485** | **HBL460PS2W** |

*Note: Early break contact comes standard with mechanical interlocks.*
*HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.*
*See page G-44 for Dimensions on Mechanical Interlocks and Plugs.*



HBLVSQ3034



HBLVP3485



HBL430PS2W

## Horsepower Ratings (VAC)*

| Amp | Circuit | 120 | 240 | 480 | 600 | Catalog Number |
|---|---|---|---|---|---|---|
| 30 Amp | 1Ø | 2 | 5 | 10 | 15 | **HBLVSQ3023** |
| | 3Ø | 3 | 7.5 | 15 | 20 | **HBLVSQ3034** |
| 60 Amp | 1Ø | – | 10 | 15 | 20 | **HBLVSQ6023** |
| | 3Ø | – | 10 | 25 | 30 | **HBLVSQ6034** |

*Note: *Internal switch only.*

*Dimensions in Inches (mm)*

## Features and Benefits

### 30A AC Manual Toggle Controllers/Disconnects

The most complete offering of Circuit-Lock® controllers rated "Suitable as Motor Disconnect" with top horsepower and high amperage ratings in such a compact device.







Ample wiring room for installation with # 10AWG In a Standard FD Box



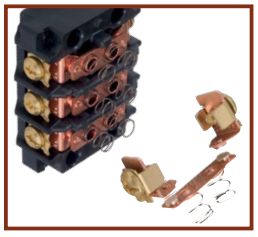

**Housing Design**
- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength




**Internal Design**
- Strong ON/OFF action with quick-make, slow break operation
- Provides long-life reliability
- 10,000 Amp high fault short circuit withstand rating



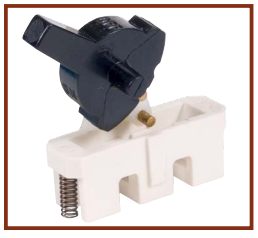
**Installation Efficiencies**
- Slim body is 34% smaller than legacy design
- Easily fits in to FD box with #10AWG



**Contacts**
- Four large silver alloy contacts per pole has excellent conductivity with maximum longevity
- 100% Copper contact arm has high heat management and reliability




**Installation**
- #10 Brass terminal screw with clamping plate for secure back or side wiring (30A only)
- Front and back wiring steel screws and copper terminals



**Switch**
- Lubrication-free controller with continued ON/OFF cycling even in harsh, dust and high heat environments

## 600V AC Manual Toggle Controllers/Disconnects

For use in almost any industrial environment. Ideal component switch for motor control and as a disconnect. Toggle controllers can be built into equipment and enclosures for either box or panel-mount installation.

| | | | | HP Rating | | | | |
|---|---|---|---|---|---|---|---|---|
| Amp | Poles | ToggleType | Wire | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | Catalog Number |
| 30 | 2 | Standard | Back/Side | 2 | 5 | 10 | 15 | **HBL7832** |
| | 2 | Short | Back/Side | 2 | 5 | 10 | 15 | **HBL7832S** |
| | 3 | Standard | Back/Side | 3 | 7.5 | 15 | 20 | **HBL7810** |
| | 3 | Short | Back/Side | 3 | 7.5 | 15 | 20 | **HBL7810S** |
| 40 | 2 | Standard | Side | 2 | 5 | 10 | 15 | **HBL7842D** |
| | 3 | Standard | Side | 3 | 7.5 | 15 | 20 | **HBL7843D** |
| 50 | 2 | Standard | Side | 2 | 5 | 10 | 15 | **HBL7852D** |
| | 3 | Standard | Side | 3 | 7.5 | 15 | 25 | **HBL7853D** |
| 60 | 2 | Standard | Back | — | 10 | 15 | 20 | **HBL7862D** |
| | 3 | Standard | Back | — | 10 | 25 | 30 | **HBL7863D** |
| | 2 | Standard | Front | — | 10 | 15 | 20 | **HBL7862FWD** |
| | 3 | Standard | Front | — | 10 | 25 | 30 | **HBL7863FWD** |
| 85 | 2 | Standard | Back | — | 10 | 15 | 20 | **HBL7882D** |
| | 3 | Standard | Back | — | 10 | 25 | 40 | **HBL7883D** |
| Optional Side Guard, for close wall applications and finger safe environments. | | | | | | | | **HBLFG30*** |

*Note: *For 30A, 40A and 50A controllers.*




**HBL7810**



**HBL7843**



**HBL7853D**



**HBL7863D**

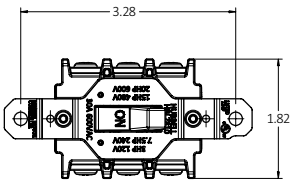
## Specifications

| | | |
|---|---|---|
| **Electrical Performance** | | |
| Dielectric Voltage | Min. 2,200V AC minimum for 1 minute | |
| Electrical Life | Min. 6,000 Cycles at rated switch load | |
| Max. Working Voltage | 600V AC RMS | |
| | Switches | 10,000 RMS |
| Short Circuit | 30A & 40A | 60A max. when protected by J fuses |
| Withstand Rating | 50A | 50A max. when protected by J fuses |
| as Motor Disconnect | 60A & 85A | 80A max. when protected by J fuses |
| Short Circuit | 30A | 60A max when protected by RK5 fuses |
| Withstand Rating as Motor Controlle | 40A – 85A | 125A max. RK5 fuses |
| **Mechanical** | | |
| Mechanical Life | Min. 10,000 minimum cycles | |
| | Switch Rating | AWG Max. |
| Terminal | 30A | #10 |
| Accommodations | 40A & 50A | #8** |
| | 60A & 85A | #4 |
| Wire Type | Solid and stranded copper wire only. | |
| Terminal Torque | 30A – 50A | 20 inch pounds |
| Switch Rating | 60A – 85A | 25 inch pounds |
| **Environmental** | | |
| Flammability | UL94HB/VO | |
| Operating Temp. | Max. 75°C | |
| | Min. -40°C continuous without impact | |
| **Listings** | | |
| | Industrial Control File | |
| UL 508 | #E70402 | |
| CSA-C22.2 No.14 | LR-46186 | |

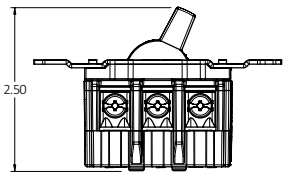
*Note: **Use listed certified ring terminal.*

## Dimensions

### 30 Amp Standard Toggles

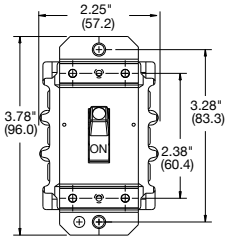



Front

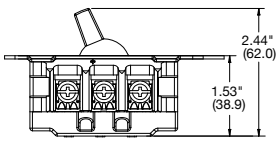



Side

### 40 and 50 Amp Standard Toggles

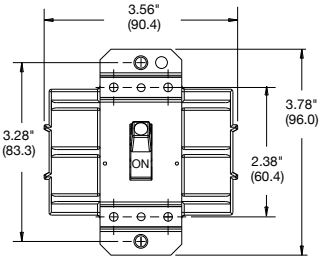



Front

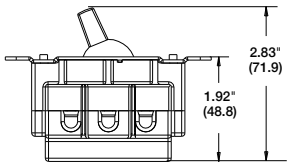



Side

### 60 and 85 Amp Standard Toggles




Front




Side

*Dimensions in Inches (mm)*

## NEMA 1 Disconnect Switches

### Housing Design

- Thermoplastic cover on a plated steel base
- Durable, non-conductive cover
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout




### Housing Design

- All aluminum cover and base
- Base is pre-drilled for rear surface mounting
- Wiring conduit knockouts
- ½" and ¾" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout






HBL1389D



HBL1379D



HBL1390



HBL1370

## Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyer systems, industrial fans, etc.

| | | | HP Rating | | | | |
|---|---|---|---|---|---|---|---|
| Amp | Poles | Enclosure Material | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | Catalog Number |
| 30 | 2 | Thermoplastic | 2 | 5 | 10 | 15 | **HBL1392** |
| 30 | 3 | Thermoplastic | 3 | 7.5 | 15 | 20 | **HBL1389** |
| 30 | 2 | Aluminum | 2 | 5 | 10 | 15 | **HBL1372** |
| 30 | 3 | Aluminum | 3 | 7.5 | 15 | 20 | **HBL1379** |

*Note: See page F-21 for technical information.*

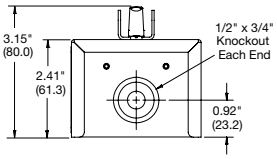
## Circuit-Lock® NEMA 1 Enclosures without Switch

For use with switches shown on page F-21.

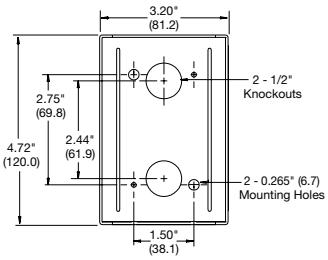
| Description | Cover Material | Base Material | No. Equipment Grounds | Catalog Number |
|---|---|---|---|---|
| For use with 30A switch. | Thermoplastic | Steel | 1 | **HBL1390** |
| For use with 30A switch. | Aluminum | Aluminum | 2 | **HBL1370** |

## Dimensions

### HBL1370, HBL1372 and HBL1379

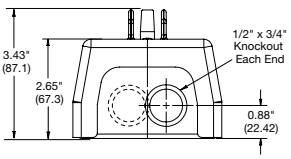



Bottom

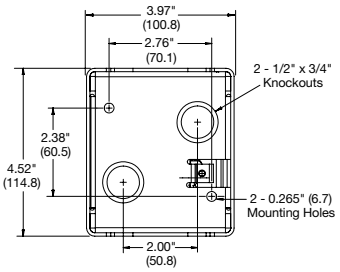



Back

### HBL1390, HBL1389 and HBL1392




Bottom




Back

*Dimensions in Inches (mm)*

## Circuit-Lock® NEMA 3 and 3R Enclosures with Switch

Ideal for use on outdoor equipment.

| Amp | Poles | Enclosure Material | Water Ingress | HP Rating 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| 30 | 2 | Thermoplastic | 3 | 2 | 5 | 10 | 15 | **HBL13R22** |
| 30 | 3 | Thermoplastic | 3 | 3 | 7.5 | 15 | 20 | **HBL13R23** |
| 30 | 2 | Aluminum | 3/3R | 2 | 5 | 10 | 15 | **HBL13R12** |
| 30 | 3 | Aluminum | 3/3R | 3 | 7.5 | 15 | 20 | **HBL13R13** |

*Note: See page F-21 for technical information.*
**Drill weephole to alter from NEMA 3 to NEMA 3R.*



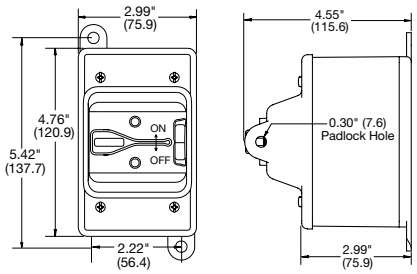
HBL13R23



HBL13R13

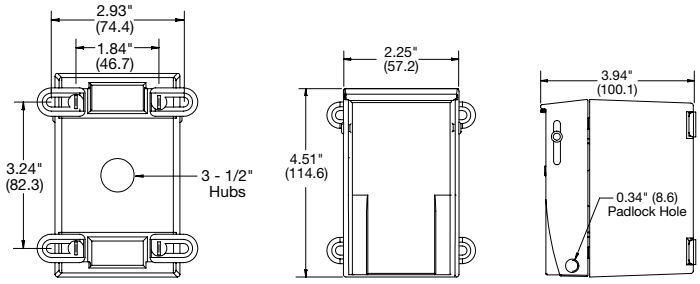
## Dimensions

### HBL13R22 and HBL13R23




Front Side

### HBL13R12 and HBL13R13




Back Front Side

## Circuit-Lock® NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

| Amp | Poles | Enclosure Material | HP Rating 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | Catalog Number |
|---|---|---|---|---|---|---|---|
| 30 | 2 | Aluminum | 2 | 5 | 10 | 15 | **HBL13R92** |
| 30 | 3 | Aluminum | 3 | 7.5 | 15 | 20 | **HBL13R89** |
| 60 | 2 | Aluminum | — | 10 | 15 | 20 | **HBL16R92D** |
| 60 | 3 | Aluminum | — | 10 | 25 | 30 | **HBL16R93D** |

*Note: For switch specifications refer to page F-21.*



HBL13R89



HBL16R93D

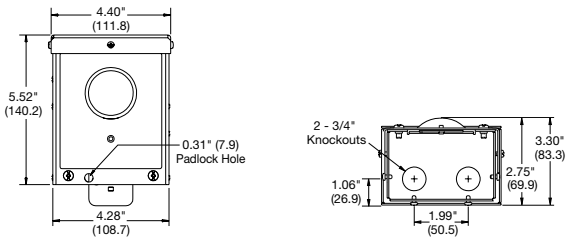
## Circuit-Lock® NEMA 3R Enclosures without Switch

For use with switches shown on page F-21.

| Description | Enclosure Material | Catalog Number |
|---|---|---|
| For use with 30A switch. | Aluminum | **HBL13R90** |
| For use with 60A switch. | Aluminum | **HBL16R90** |

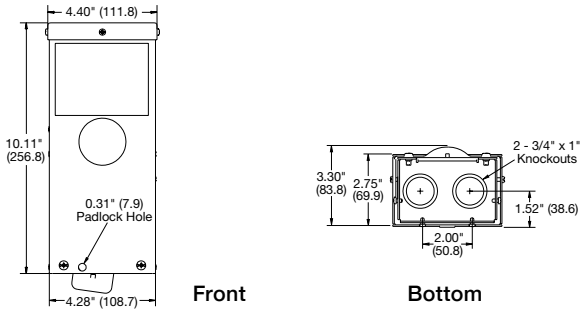
## Dimensions

### HBL13R90, HBL13R89 and HBL13R92



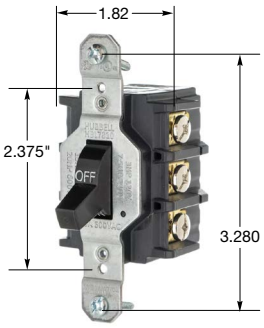

Front Bottom

### HBL16R90, HBL16R92D and HBL16R93D




Front Bottom

*Dimensions in Inches (mm)*

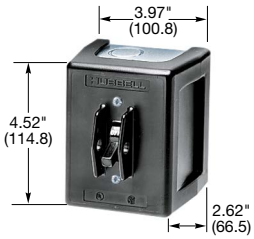



**HBL7810**

## 30A 600V AC Manual Motor Controllers, Double Pole

| Description | Catalog Number |
|---|---|
| 30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired. | **HBL7832** |
| 30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle. | **HBL7832S** |
| HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame. | **HBL1392** |
| HBL7832D in HBL1370 metal Type 1 enclosure. | **HBL1372** |
| HBL7832D in NEMA 3R non-metallic enclosure. | **HBL13R22** |
| HBL7832D in HBL13R90 metal Type 3R enclosure. | **HBL13R92** |
| HBL7832D in NEMA 3R flip-lid enclosure. | **HBL13R12** |

*Note: See page F-21 for technical information.*

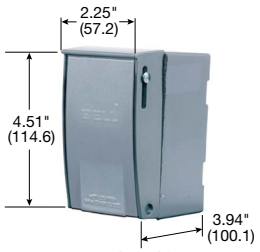



**HBL1389**

## 30A 600V AC Manual Motor Controllers, Three Pole

| Description | Catalog Number |
|---|---|
| 30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired. | **HBL7810** |
| 30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle. | **HBL7810S** |
| HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, ½ in. and ¾ in. knockouts on top, bottom and back of steel frame. | **HBL1389** |
| HBL7810D in HBL1370 metal Type 1 enclosure. | **HBL1379** |
| HBL7810D in NEMA 3R non-metallic enclosure. | **HBL13R23** |
| HBL7810D in HBL13R90 metal Type 3R enclosure. | **HBL13R89** |
| HBL7810D in NEMA 3R flip-lid enclosure. | **HBL13R13** |
| 30A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure. | **HBL13S33D** |
| 30A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure. | **HBL13X33D** |

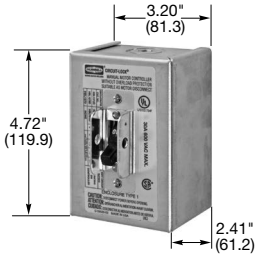
*Note: See page F-21 for technical information.*



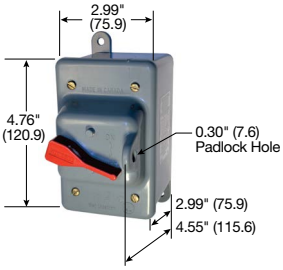

**HBL13R13**

## Motor Rating

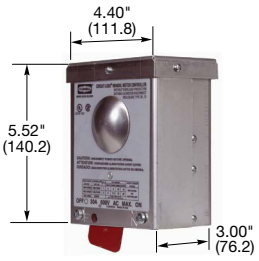
| Product | 120V AC | 240V AC | 480V AC | 600V AC | Phase |
|---|---|---|---|---|---|
| 30A Double Pole | 2HP | 5HP | 10HP | 15HP | 1 |
| 30A Three Pole | 3HP | 7½HP | 15HP | 20HP | 3 |
| 40A Double Pole | 2HP | 5HP | 10HP | 15HP | 1 |
| 40A Three Pole | 3HP | 7½HP | 15HP | 20HP | 3 |
| 50A Double Pole | 2HP | 5HP | 10HP | 15HP | 1 |
| 50A Three Pole | 3HP | 7½HP | 15HP | 25HP | 3 |
| 60A Double Pole | - | 10HP | 15HP | 20HP | 1 |
| 60A Three Pole | - | 10HP | 25HP | 30HP | 3 |
| 85A Double Pole | - | 10HP | 15HP | 20HP | 1 |
| 85A Three Pole | - | 10HP | 25HP | 40HP | 3 |




**HBL1379**




**HBL13R23**




**HBL13R89**




**HBL13S33D**

*Dimensions in Inches (mm)*

IP44*
SUITABILITY

## 40A 600V AC Manual Motor Controllers

| Description | Catalog Number |
|---|---|
| 40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired. | **HBL7842D** |
| 40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired. | **HBL7843D** |

*Note: See page F-21 for technical information.*

## 50A 600V AC Manual Motor Controllers

| Description | Catalog Number |
|---|---|
| 50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired. | **HBL7852D** |
| 50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired. | **HBL7853D** |

*Note: See page F-21 for technical information.*

## 60A 600V AC Manual Motor Controllers

| Description | Catalog Number |
|---|---|
| 60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired. | **HBL7862D** |
| Same as HBL7862D except front wired. | **HBL7862FWD** |
| HBL7862FWD in Type 3R enclosure. | **HBL16R92D** |
| 60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired. | **HBL7863D** |
| Same as HBL7863D except front wired. | **HBL7863FWD** |
| HBL7863FWD in a Type 3R enclosure. | **HBL16R93D** |
| 60A, 600V, three pole, rotary controller in NEMA 4X stainless steel enclosure. | **HBL16S63D** |
| 60A, 600V, three pole, rotary controller in NEMA 4X non-metallic enclosure. | **HBL16X63D** |

*Note: See page F-21 for technical information.*

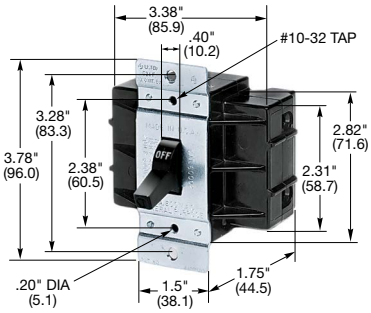
## 85A 600V AC Manual Motor Controllers

| Description | Catalog Number |
|---|---|
| 85A, double pole, single throw, AC manual motor controller, black nylon handle, back wired. | **HBL7882D** |
| 85A, three pole, single throw, AC manual motor controller, black nylon handle, back wired. | **HBL7883D** |

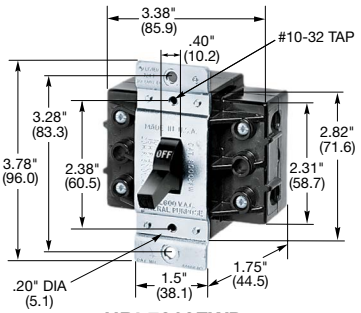
*Note: See page F-21 for technical information.*

## Motor Controller Accessories

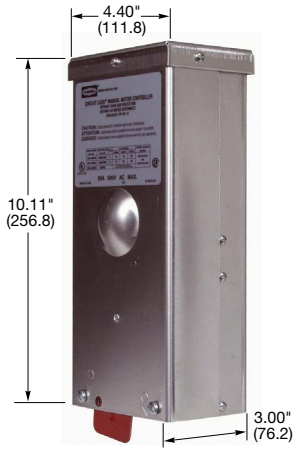
| Description | Catalog Number |
|---|---|
| Finger Guards, fit 30A, 40A and 50A controllers. | **HBLFG30** |
| Auxiliary Contacts, NO/Common/NC, for use in rotary switches only. | **HBLAUX** |



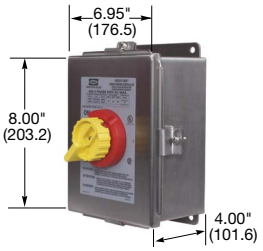

**HBL7862D**




**HBL7862FWD**




**HBL16R93D**




**HBL16S63D**

*Dimensions in Inches (mm)*

## NEMA 4X Disconnect Switches

### Housing Design

- Thermoplastic 4X Non-metallic enclosures
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout



### Housing Design

- 304 Stainless steel enclosure chemical and corrosion resistant
- PBT handle and collar chemical and impact resistant
- Hinged cover with removable continuous pin
- Un-drilled case allows custom placement of wire entry
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout





**HBL13S33D**
(Door open)

### Interior Design

- Interlocking shaft and handle prevents cover removal when switch is ON
- Poured in closed cell neoprene gasket
- Up to 2 optional auxiliary contacts for PLCs and external indicators





**HBL16S63D**



**HBL13X33D**

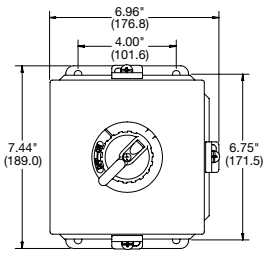
## Circuit-Lock® NEMA 4X Enclosures with Switch and Accessories

Ideal for use in environments where wash-down is necessary, i.e. food processing, laboratories, etc.

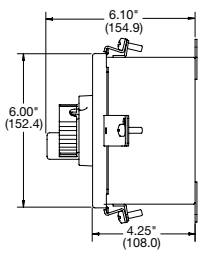
| | | | HP Rating | | | | |
|---|---|---|---|---|---|---|---|
| Amp | Poles | Enclosure Material | 120V AC 1Ø | 240V AC 3Ø | 480V AC 3Ø | 600V AC 3Ø | Catalog Number |
| 30 | 3 | Stainless Steel | 3 | 7.5 | 15 | 20 | **HBL13S33D** |
| 30 | 3 | Non-Metallic | 3 | 7.5 | 15 | 20 | **HBL13X33D** |
| 60 | 3 | Stainless Steel | — | 10 | 25 | 30 | **HBL16S63D** |
| 60 | 3 | Non-Metallic | — | 10 | 25 | 30 | **HBL16X63D** |
| Finger Guard option for 30A switch. | | | | | | | **HBLFG30** |
| NO/Comon/NC auxiliary contact, 10A 120/250V AC for 30 and 60 Amp switches. | | | | | | | **HBLAUX** |

## Dimensions

### HBL13S33D

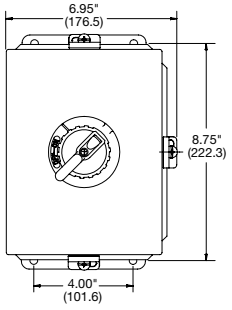



Front

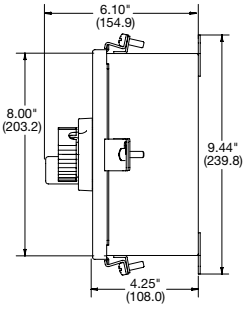



Side

### HBL16S63D




Front




Side

*Dimensions in Inches (mm)*

IP55
SUITABILITY

## CPB Series Compact Pendant Stations, Two Button, NEMA 4X

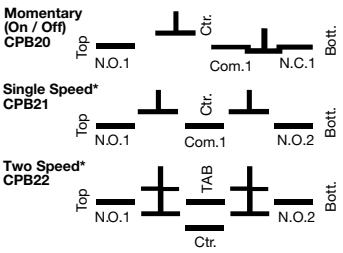
| Description | Catalog Number |
|---|---|
| Single-speed normally open-normally closed without mechanical interlock. | **CPB20** |
| Single-speed with mechanical interlock between pushbuttons. | **CPB21** |
| Single-speed with mechanical interlock between pushbuttons, black housing. | **CPB21BK** |
| Two-speed with mechanical interlock between pushbuttons. | **CPB22** |

*Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).*
*Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9)*
*Ambient temperatures: 25°F to 140°F (32°C to 60°C).*
*Typical applications: Package electric motor hoists. Remote control of machinery.*




**CPB21**

### Wiring Diagram CPB2 Series




**Mechanical "floating ball" interlock prevents activating both Pushbuttons simultaneously.*

## Contact Ratings, CPB Series

| Single-Speed | Voltage | Current |
|---|---|---|
| AC | 120V | 6A |
| 35% PF | 240V | 3A |
| DC | 125V | 1.1A |
| IND | 250V | .55A |
| **Two-Speed** | **Voltage** | **Current** |
| AC | 120V | 3A |
| 35% PF | 240V | 1.5A |

IP44
SUITABILITY

## PBS Series Heavy Duty Pendant Pushbutton Stations, NEMA 3R

| Description | Catalog Number |
|---|---|
| 2 button, single speed.<br>2 button, two speed. | **PBS2**<br>**PBS22** |
| 4 button, single speed.<br>4 button, two speed. | **PBS4**<br>**PBS42** |
| 6 button, single speed.<br>6 button, two speed. | **PBS6**<br>**PBS62** |
| 8 button, single speed.<br>8 button, two speed. | **PBS8**<br>**PBS82** |

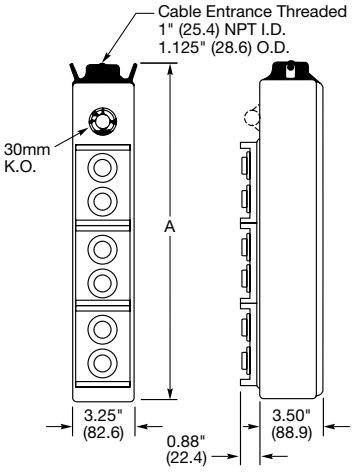


**PBS4** **PBS6**

## Product Dimensions, PBS Series

| Style | A | Approx. Wt. Assembled | Catalog Number |
|---|---|---|---|
| 2 button | 7.88" (200.0) | 2.5 lbs | **PBS2** |
| 4 button | 13.69" (347.6) | 4.5 lbs | **PBS4** |
| 6 button | 18.0" (457.2) | 5.5 lbs | **PBS6** |
| 8 button | 22.31" (566.7) | 7.5 lbs | **PBS8** |

*Note: Housing: Yellow vinyl rubber.*




*Dimensions in Inches (mm)*

## Contact Interrupting Ratings, PBS Series

| Two-Speed Single Break | Voltage | Current |
|---|---|---|
| AC | 120V | 6A |
| 35% PF | 240V | 3A |
| DC | 125V | .4A |
| IND | 250V | .2A |
| **Single-Speed Double Break** | **Voltage** | **Current** |
| AC | 120V | 6A |
| 35% PF | 240V | 3A |
| DC | 125V | 1.1A |
| IND | 250V | .55A |


PG2


PG6


MS2


MS5


TB2


TB5


PBSLP


PBSBC


PBSPL1


07401023

## Replacement Inserts

When the insert switches are in need of replacement, simply unplug the old insert and plug in a new one.

| Description | Catalog Number |
|---|---|
| Single speed insert momentary N.O. and N.C. | **PG2** |
| ON-OFF insert (no mechanical interlock). Momentary, start-stop, reset-stop. | **PG6** |
| 2 or 3 speed insert, momentary. Used to a maximum of 3 speed points. | **MS2** |
| 5 speed insert, momentary. Used to a maximum of 5 speed points. For five speed applications replace an existing terminal board with the TB5 terminal board and replace an existing insert with the five speed (MS5) insert. | **MS5** |

## Conversion Inserts

In addition to single speed and two speed applications, pre-assembled units can be adapted to handle other applications.

| Description | Catalog Number |
|---|---|
| Terminal board, required for each insert switch PG2, PG6 and MS2. | **TB2** |
| Terminal board, required for insert switch MS5. | **TB5** |

## Accessories

| Description | Catalog Number |
|---|---|
| Indicator labels for replacement package contains 1 each: hoist, trolley, bridge, forward-reverse, raise-lower, in-out, right left, east-west, north-south, reset-stop, start-stop, power, main hoist, auxiliary hoist, ON-OFF, up-down. | **PBSLP** |
| Rubber button cover for replacement purposes. | **PBSBC** |
| 120V red pilot light for 4, 6, and 8 button units only. | **PBSPL1*** |

*Note: *Each pendant station can accommodate one of the pilot light in the 1.20 in. (30.6) diameter mounting hole.*

## Kellems® Deluxe Aluminum Cord Fitting

Outdoor or indoors where subject to moisture, splash or submersion. Kellems grips provide strain relief for multi-conductor cable.

| Description | Cord Range | Catalog Number |
|---|---|---|
| Kellems grip. | .750"-.875" (19-22.2) | **07401023** |
| Kellems grip. | .875"-1.00" (22.2-25.4) | **07401025** |

# SECTION G

## Table of Contents



Advantage™ Series Switch-Rated Devices



HBL® Watertight IEC Pin and Sleeve



Circuit-Lock® Unfused and Fused Mechanical Interlocks





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## Products at a Glance



### Advantage™ Series Pin and Sleeve Switch-Rated Devices

- Advantage™ series devices are approved as disconnecting means for both motor circuitry and branch circuits
- Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments



### IEC Watertight Devices

- Provide safe and dependable performance in the most demanding environments
- Heavy duty non-conductive nylon construction provides impact and corrosion protection
- Thermoset polyester contact carriers withstand high temperatures and provide resistance to electrical tracking



### Corrosion Resistant Devices

- This superior grade of IEC and Insulgrip devices are ideal for the most demanding environments
- Nickel-plated brass on the IEC and nickel-plated Tellurium copper on the Insulgrip contacts prevent corrosion and heat rise



### Hubbell-PRO Commercial Pin and Sleeve

- Value engineered to balance price and performance
- Complete offering of IP44 and IP67 devices
- Multiple installation efficiencies include Edge screwless terminations



### Insulgrip® NEMA 4X UL 1686 C1 Devices

- Metallic where you want it and non-metallic where you need it
- This tough product line is NEMA 4X rated for use in the harshest environments
- Devices are fully interchangeable with other manufacturers of UL1686 C1 devices




### Circuit-Lock® Mechanical Interlocks

- IEC pin and sleeve devices are color coded by voltage for easy identification
- Available in either fused or non-fused versions
- IEC reverse service units available for safely connecting generators



### Back Boxes and Accessories

- A complete line of metallic and non-metallic back boxes, angle adapters, closure caps and liquidtight adapters are available
- Accessories aid with installation efficiencies and support the various applications in which the products are used



### Hazardous Location Devices

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power

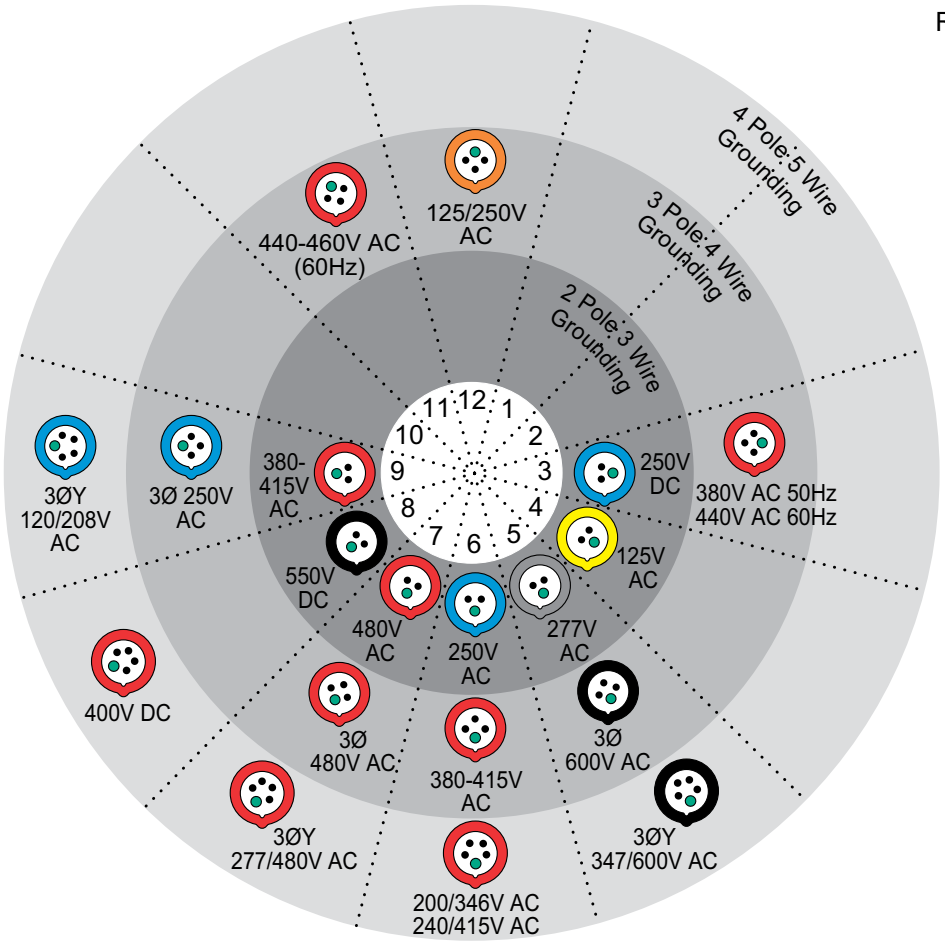
## IEC Configurations Chart

### Singly Rated Configurations

Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

### Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.




| Rated Voltage | Color |
|---|---|
| 100V - 130V | |
| 125V/250V | |
| 200V - 250V | |
| 277V | |
| 380V - 480V | |
| 500V - 600V | |

### Typical IEC Pin and Sleeve Catalog Number

**HBL4100C12W**

**HBL 4 100 C 12 W**

- HBL — Hubbell Catalog Number
- 4 — 4 Wire
- 100 — 100 Amp
- C — "C" Connector
- 12 — Female Ground Sleeve at "12" O'Clock (125/250V)
- W — Watertight

**Explanation**

**1 (HBL) Designates Hubbell Catalog Number**

**2 First Digit**
- 3-3 wire
- 4-4 wire
- 5-5 wire

**3 Next Series Of Digits**
Preceding a letter
- 20-20 Amp
- 30-30 Amp
- 60-60 Amp
- 100-100 Amp

**4 Letter**
- P-Plug
- R-Receptacle
- C-Connector
- B-Inlet
- MI-Mechanical Interlock
- MIF-Mechanical Interlock Fused

**5 Last Digit(s)**
After the letter. This denotes the position of the ground sleeve and the assigned voltage in the receptacle as it relates to the hours of the clock. This is done to eliminate interchangeability between devices with different voltages.

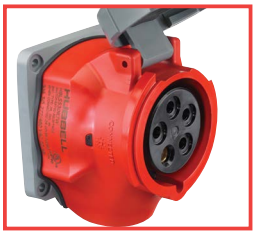
**6 Letter: W**
Watertight

## Features and Benefits

### Advantage™ Series Pin and Sleeve Switch-Rated

Hubbell Wiring Device-Kellems Advantage™ Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Compact design, this device is similar in size to standard IEC 60309-2 devices. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.



**Housing Design**

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification



**Heavy Duty External Cord Grips**

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation



**Ease of Use**

- Ergonomic design puts the Advantage™ into the palm of your hands with the easy-to-use leverage grip design from Hubbell



**Spring-Loaded Cover**

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm compact and durable internal swing arm is fully shrouded protecting it from damage



**Spring-Loaded Disconnect Button**

- Oversized for easy actuation with gloved hands



**Full Line of Accessories**

- Advantage series receptacles have same mounting pattern as our standard receptacles, for non-metallic and metallic back boxes (see page G-14)
- Full offering of liquidtight adapters (see page G-15)

## Features and Benefits

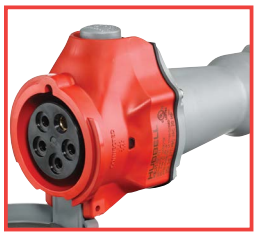
### Advantage™ Series Pin and Sleeve Switch-Rated

The Advantage™ Series has a UL witnessed IP69k and 4X,12 environmental rating, two power-indicating LEDs, continuous ground engagement, labelless laser markings and a compact and ergonomic design.

Hubbell's Pin and Sleeve connections have always been safe – that hasn't changed. The Advantage™ series simply has more… Advantages.

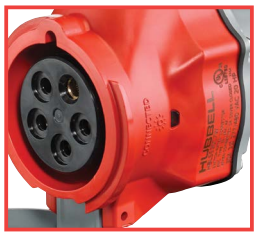



## The Hubbell Advantages



**Sleek and Modern Design**

- The ergonomic device is easy to keep clean making it ideal for hygienic food processing facilities



**Permanent Labelless Markings**

- Product ratings are laser-marked into the device and will not wash off for easy permanent identification



**Continuous Ground Engagement**

- Unswitched feed-through ground pin is first-to-make and last-to-break followed by switched neutral and phase contact(s)



**Superior Water Ingress Protection**

- UL witnessed IP69k and UL Type 4X and 12. Device is built to withstand wet and harsh environments



**IEC 60309 Singularly Rated Device**

- Mates with existing installed base of IEC 60309-2 pin and sleeve devices. Color coded by voltage for easy identification of mating devices



**Power Indicating LED Lights**

- Highly visible and long lasting green LED lights on both sides of the device provide visual verification of power when connected

# Pin and Sleeve Devices/Mechanical Interlocks

| Rating | | | | | Pin and Sleeve Devices | | | | | Accessories | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage | Connector | Receptacle | HP | Mating Plug** | IP67 Inlet | Back Boxes | Closure Caps |
| 30 | 2P 3W | | | 125V | HBLS330C4W | HBLS330R4W | 2 | HBL330P4W | HBL330B4W | BB2030N | PC3430 |
| 32 | 2P 3W | | | 100-130V | HBLS332C4W | HBLS332R4W | 2 | HBL332P4W | HBL332B4W | BB2030N | PC3430 |
| 30 | 2P 3W | | | 250V | HBLS330C6W* | HBLS330R6W* | 5 | HBL330P6W* | HBL330B6W* | BB2030N | PC3430 |
| 32 | 2P 3W | | | 220-240V | | | | | | | |
| 30 | 2P 3W | | | 480V | HBLS330C7W | HBLS330R7W | 10 | HBL330P7W | HBL330B7W | BB2030N | PC3430 |
| 30 | 3P 4W | | | 125/250V | HBLS430C12W | HBLS430R12W | 2 | HBL430P12W | HBL430B12W | BB2030N | PC3430 |
| 30/32 | 3P 4W | | | 3Ø 250V | HBLS430C9W* | HBLS430R9W* | 10 | HBL430P9W* | HBL430B9W* | BB2030N | PC3430 |
| 30 | 3P 4W | | | 3Ø 480V | HBLS430C7W | HBLS430R7W | 20 | HBL430P7W | HBL430B7W | BB2030N | PC3430 |
| 30 | 3P 4W | | | 3Ø 600V | HBLS430C5W | HBLS430R5W | 30 | HBL430P5W | HBL430B5W | BB2030N | PC3430 |
| 30/32 | 3P 4W | | | 380-415V | HBLS430C6W* | HBLS430R6W* | 7.5 | HBL430P6W* | HBL430B6W* | BB2030N | PC3430 |
| 32 | 3P 4W | | | 380-440V | HBLS432C3W | HBLS432R3W | 10 | HBL432P3W | HBL432B3W | BB2030N | PC3430 |
| 30 | 4P 5W | | | 3ØY 347/600V | HBLS530C5W | HBLS530R5W | 30 | HBL530P5W | HBL530B5W | BB2030N | PC530 |
| 30 | 4P 5W | | | 200/346-240/415V | HBLS530C6W* | HBLS530R6W* | 7.5 | HBL530P6W* | HBL530B6W* | BB2030N | PC530 |
| 32 | 4P 5W | | | 220/380V 240/415V | | | | | | | |
| 30 | 4P 5W | | | 3ØY 277/480V | HBLS530C7W | HBLS530R7W | 20 | HBL530P7W | HBL530B7W | BB2030N | PC530 |
| 30/32 | 4P 5W | | | 3ØY 120/208V | HBLS530C9W* | HBLS530R9W* | 10 | HBL530P9W* | HBL530B9W* | BB2030N | PC530 |
| 60 | 2P 3W | | | 125V | HBLS360C4W | HBLS360R4W | 3 | HBL360P4W | HBL360B4W | BB60N | PC60 |
| 60 | 2P 3W | | | 250V | HBLS360C6W* | HBLS360R6W* | 7.5 | HBL360P6W* | HBL360B6W* | BB60N | PC60 |
| 63 | 2P 3W | | | 220-240V | | | | | | | |
| 60 | 2P 3W | | | 480V | HBLS360C7W | HBLS360R7W | 15 | HBL360P7W | HBL360B7W | BB60N | PC60 |
| 60 | 3P 4W | | | 125/250V | HBLS460C12W | HBLS460R12W | 3 | HBL460P12W | HBL460B12W | BB60N | PC60 |
| 60/63 | 3P 4W | | | 3Ø 250V | HBLS460C9W* | HBLS460R9W* | 10 | HBL460P9W* | HBL460B9W* | BB60N | PC60 |
| 60 | 3P 4W | | | 3Ø 480V | HBLS460C7W | HBLS460R7W | 30 | HBL460P7W | HBL460B7W | BB60N | PC60 |
| 60 | 3P 4W | | | 3Ø 600V | HBLS460C5W | HBLS460R5W | 40 | HBL460P5W | HBL460B5W | BB60N | PC60 |
| 60/63 | 3P 4W | | | 380-415V | HBLS460C6W* | HBLS460R6W* | 10 | HBL460P6W* | HBL460B6W* | BB60N | PC60 |
| 60 | 4P 5W | | | 3ØY 347/600V | HBLS560C5W | HBLS560R5W | 40 | HBL560P5W | HBL560B5W | BB60N | PC60 |
| 60/63 | 4P 5W | | | 200/346-240/415V | HBLS560C6W* | HBLS560R6W* | 10 | HBL560P6W* | HBL560B6W* | BB60N | PC60 |
| 60 | 4P 5W | | | 3ØY 277/480V | HBLS560C7W | HBLS560R7W | 30 | HBL560P7W | HBL560B7W | BB60N | PC60 |
| 60/63 | 4P 5W | | | 3ØY 120/208V | HBLS560C9W* | HBLS560R9W* | 10 | HBL560P9W* | HBL560B9W* | BB60N | PC60 |

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*
***Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.*
*ADVANTAGE™ series receptacles have the same mounting pattern as standard Hubbell IEC pin and sleeve.*
*See page G-28 for back boxes and G-29 for accessories.*

| Rating | | | | | Pin and Sleeve Devices | | | | | Accessories | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage | Connector | Receptacle | HP | Mating Plug** | Inlet** | Back Boxes | Closure Caps |
| 100 | 3P 4W | | | 3Ø 600V | **HBLS4100C5W** | **HBLS4100R5W** | 50 | **HBL4100P5W** | **HBL4100B5W** | **BB100N** | **PC100** |
| 100 | 3P 4W | | | 380-415V | **HBLS4100C6W*** | **HBLS4100R6W*** | 15 | **HBL4100P6W** | **HBL4100B6W** | **BB100N** | **PC100** |
| 100 | 3P 4W | | | 3Ø 480V | **HBLS4100C7W** | **HBLS4100R7W** | 40 | **HBL4100P7W** | **HBL4100B7W** | **BB100N** | **PC100** |
| 100 | 3P 4W | | | 3Ø 250V | **HBLS4100C9W*** | **HBLS4100R9W*** | 15 | **HBL4100P9W** | **HBL4100B9W** | **BB100N** | **PC100** |
| 100 | 3P 4W | | | 125/250V | **HBLS4100C12W** | **HBLS4100R12W** | 10; 3 | **HBL4100P12W** | **HBL4100B12W** | **BB100N** | **PC100** |
| 100 | 4P 5W | | | 3ØY 347/600V | **HBLS5100C5W** | **HBLS5100R5W** | 50 | **HBL5100P5W** | **HBL5100B5W** | **BB100N** | **PC100** |
| 100 | 4P 5W | | | 200/346-240/415V | **HBLS5100C6W*** | **HBLS5100R6W*** | 15 | **HBL5100P6W** | **HBL5100B6W** | **BB100N** | **PC100** |
| 100 | 4P 5W | | | 3ØY 277/480V | **HBLS5100C7W** | **HBLS5100R7W** | 40 | **HBL5100P7W** | **HBL5100B7W** | **BB100N** | **PC100** |
| 100 | 4P 5W | | | 3ØY 120/208V | **HBLS5100C9W*** | **HBLS5100R9W*** | 15 | **HBL5100P9W** | **HBL5100B9W** | **BB100N** | **PC100** |

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*
***Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.*

## Advantage™ Pin and Sleeve Communication Circuit

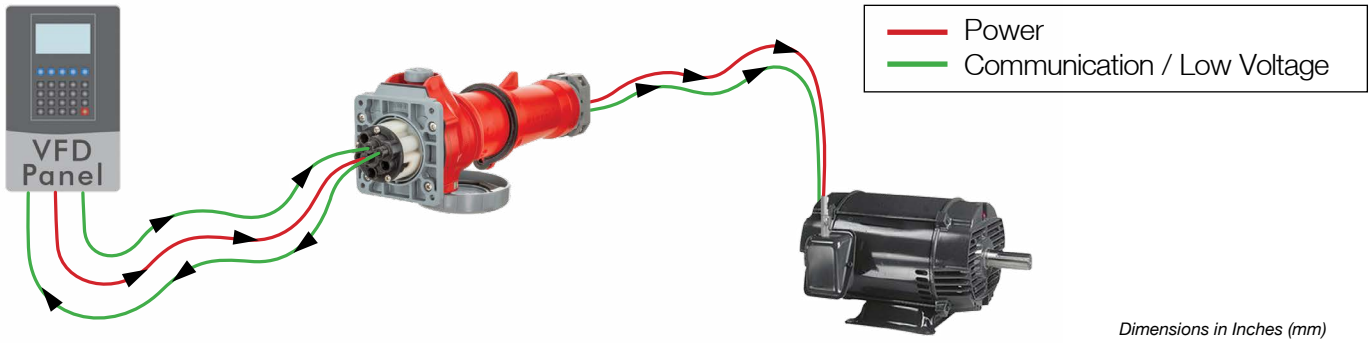
Hubbell's innovative Advantage™ Series Switch-Rated pin and sleeve are available with three optional Control Contacts. These break before main contacts can be used to communicate with auxiliary devices such as PLCs and VFDs.

Control circuit versions are available in 3 pole 4 wire configurations and have a voltage range of 125V up to 600V. To help support facility control, the oversized ground contact is clocked at either 5 or 7 o'clock to help prevent mismating of unlike voltages.



| Rating | | | | | | Pin and Sleeve Devices | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Amps | Poles And Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage | | Connector | Receptacle | HP | Mating Plug | IP67 Inlet | Back Boxes | Closure Caps |
| 30 | 3P 4W | | | Max 600V AC | | **HBLS430C7WC** | **HBLS430R7WC** | **20** | **HBL430P7WC** | **HBL430B7WC** | **BB2030N** | **PC530** |
| 30 | 3P 4W | | | Max 600V AC | | **HBLS430C5WC** | **HBLS430R5WC** | **30** | **HBL430P5WC** | **HBL430B5WC** | **BB2030N** | **PC530** |
| 60 | 3P 4W | | | Max 600V AC | | **HBLS460C7WC** | **HBLS430R7WC** | **30** | **HBL460P7V02** | **HBL460B7WC** | **BB60N** | **PC60** |
| 60 | 3P 4W | | | Max 600V AC | | **HBLS460C5WC** | **HBLS430R5WC** | **40** | **HBL460P5WC** | **HBL460B5WC** | **BB60N** | **PC60** |

## Wiring Schematic



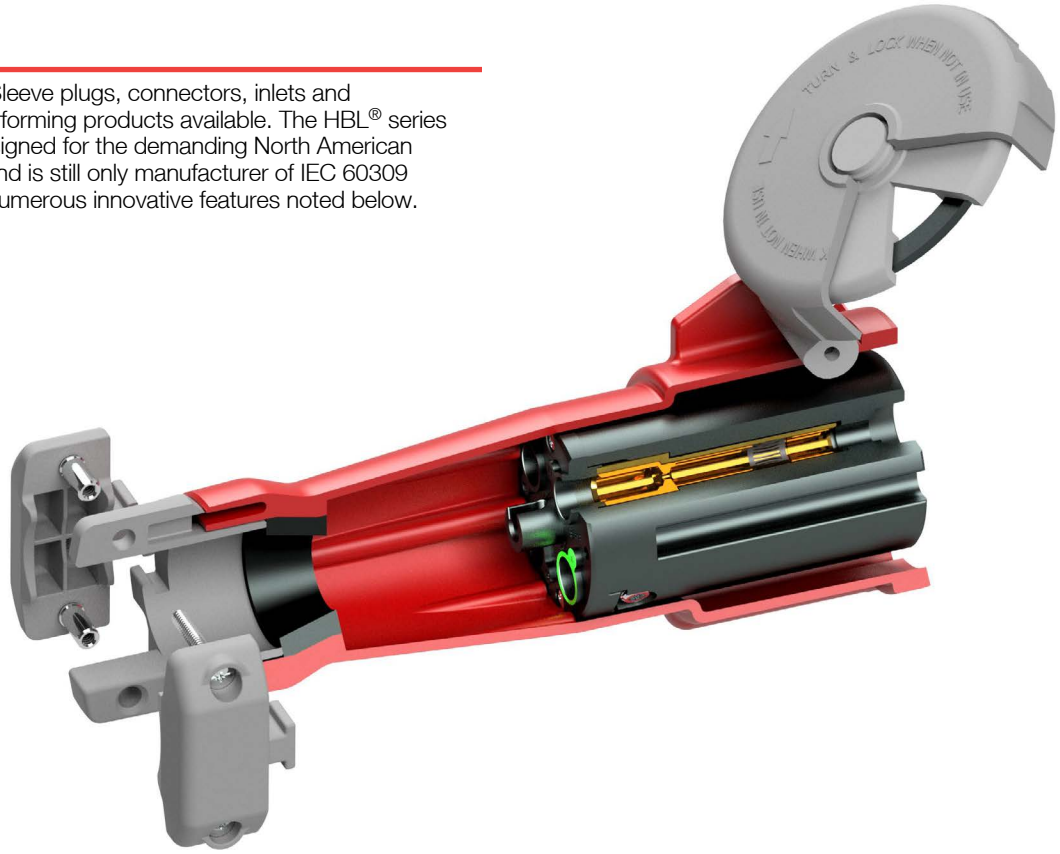

*Dimensions in Inches (mm)*

## Features and Benefits

TYPE 4X, 12

### Watertight Devices

Hubbell's IEC 60309 Pin and Sleeve plugs, connectors, inlets and receptacles are the highest performing products available. The HBL® series of IEC pin and sleeve were designed for the demanding North American market. Hubbell was the first and is still only manufacturer of IEC 60309 devices in the USA and have numerous innovative features noted below.





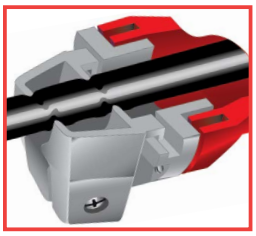
**Housing Design**

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



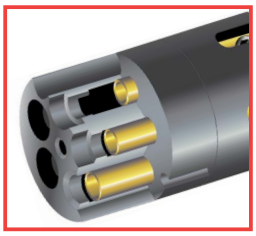
**Liquidtight Conduit Adapters**

- Aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



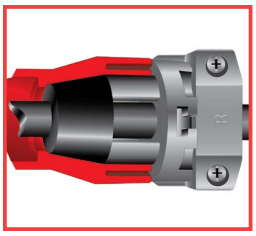
**Powerful Mechanical Cord Grip**

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



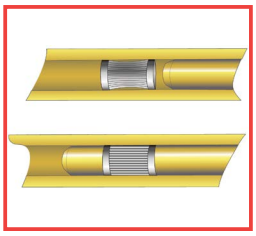
**Sequential Contact Engagement**

- Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral)
- Phase contacts make last and break first



**Watertight Cord Entrance**

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



**Multi-Contact Spring**

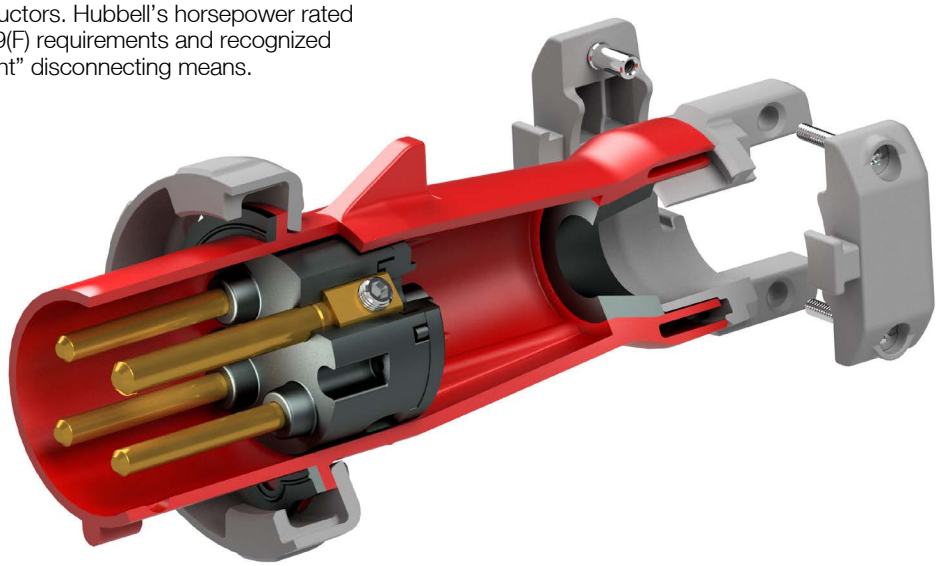
- (60/63 and 100/125 Amp) Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise
- Broaches oxide film to achieve low resistance contact for cooler operation

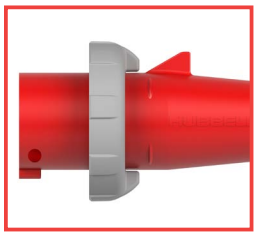
## Features and Benefits

TYPE 4X, 12

### Watertight Devices

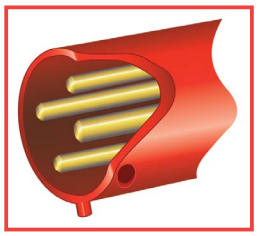
The IEC line of plugs and connectors are made with a rugged super tough, one-piece housing. The thermoset polyester contact carrier provides a high resistance to electrical tracking. They withstand higher temperatures which may result from overload or arcing. The heavy-duty, external cord grip provides superior strain relief on the conductors. Hubbell's horsepower rated plugs and receptacles meet NEC 430.109(F) requirements and recognized as an approved disconnecting/"line of sight" disconnecting means.





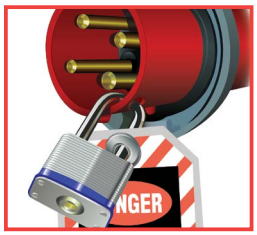
**Housing Design**

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- Amperage/voltage rating and catalog number molded in housing for easy identification



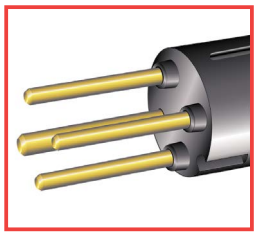
**Shrouded Pins**

- Super tough plug shroud protects pins from deforming from physical abuse
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Solid one-piece pins, machined from solid brass for longer life and reliable electrical contact



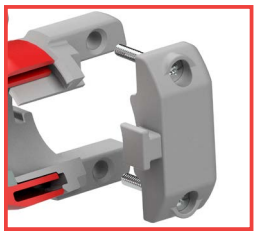
**Safety**

- Lockout/Tagout, tapered opening on plug shroud accommodates up to ⅜ inch (9.7mm) lock shackle diameter



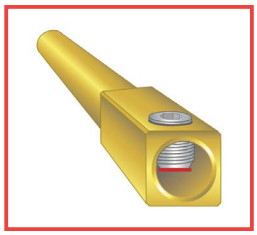
**Thermoset Polyester Contact Carrier**

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly



**Cord Grips**

- Heavy duty external cord grips provide maximum cord retention to maintain secure terminations



**Swivel Pressure Pads**

- 16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands. 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations

# Pin and Sleeve Devices/Mechanical Interlocks

TYPE 4X, 12

| Rating | | | | | Watertight Devices | | | | Accessories | | | Replacement Interiors | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Configuration | | |  |  |  |  |  | |  |  | |
| Amps | Poles and Wires | Recep./ Conn. | Plug/ Inlet | AC Voltage | Receptacle | Plug | Connector | Inlet | Back Boxes Non-Metallic | Back Boxes Metallic* | Closure Caps | Recep./ Conn. | Plug/ Inlet |
| 16 | 2P 3W | | | 100-130V | HBL316R4W | HBL316P4W | HBL316C4W | HBL316B4W† | BB2030N | BB201W BB301W | PC320 | IN320BF | IN320BM |
| 20 | 2P 3W | | | 125V | HBL320R4W | HBL320P4W | HBL320C4W | HBL320B4W | BB2030N | BB201W BB301W | PC320 | IN320AF | IN320AM |
| 16/20 | 2P 3W | | | 220-240V 250V | HBL320R6W | HBL320P6W | HBL320C6W | HBL320B6W | BB2030N | BB201W BB301W | PC320 | IN320BF | IN320BM |
| 20 | 2P 3W | | | 480V | HBL320R7W | HBL320P7W | HBL320C7W | HBL320B7W | BB2030N | BB201W BB301W | PC320 | IN320BF | IN320BM |
| 20 | 3P 4W | | | 125/250V | HBL420R12W | HBL420P12W | HBL420C12W | HBL420B12W | BB2030N | BB201W BB301W | PC420 | IN420CF | IN420CM |
| 16/20 | 3P 4W | | | 380-415V | HBL420R6W | HBL420P6W | HBL420C6W | HBL420B6W | BB2030N | BB201W BB301W | PC420 | IN420DF | IN420DM |
| | 3P 4W | | | 3Ø 250V | HBL420R9W | HBL420P9W | HBL420C9W | HBL420B9W | BB2030N | BB201W BB301W | PC420 | IN420DF | IN420DM |
| 20 | 3P 4W | | | 3Ø 480V | HBL420R7W | HBL420P7W | HBL420C7W | HBL420B7W | BB2030N | BB201W BB301W | PC420 | IN420DF | IN420DM |
| 20 | 3P 4W | | | 3Ø 600V | HBL420R5W | HBL420P5W | HBL420C5W | HBL420B5W | BB2030N | BB201W BB301W | PC420 | IN420DF | IN420DM |
| 16/20 | 4P 5W | | | 220/380V 240/415V | HBL520R6W | HBL520P6W | HBL520C6W | HBL520B6W | BB2030N | BB201W BB301W | PC520 | IN520EF† | IN520EM |
| | 4P 5W | | | 3ØY 120/208V | HBL520R9W | HBL520P9W | HBL520C9W | HBL520B9W | BB2030N | BB201W BB301W | PC520 | IN520EF† | IN520EM |
| 20 | 4P 5W | | | 3ØY 277/480V | HBL520R7W | HBL520P7W | HBL520C7W | HBL520B7W | BB2030N | BB201W BB301W | PC520 | IN520EF† | IN520EM |
| 20 | 4P 5W | | | 3ØY 347/600V | HBL520R5W | HBL520P5W | HBL520C5W | HBL520B5W | BB2030N | BB201W BB301W | PC520 | IN520EF† | IN520EM |
| 30 | 2P 3W | | | 125V | HBL330R4W | HBL330P4W | HBL330C4W | HBL330B4W | BB2030N | BB201W BB301W | PC3430 | IN330AF | IN330AM† |
| 30/32 | 2P 3W | | | 220-240V 250V | HBL330R6W | HBL330P6W | HBL330C6W | HBL330B6W | BB2030N | BB201W BB301W | PC3430 | IN330BF | IN330BM |
| 30 | 2P 3W | | | 480V | HBL330R7W | HBL330P7W | HBL330C7W | HBL330B7W | BB2030N | BB201W BB301W | PC3430 | IN330BF | IN330BM |
| 30 | 3P 4W | | | 125/250V | HBL430R12W | HBL430P12W | HBL430C12W | HBL430B12W | BB2030N | BB201W BB301W | PC3430 | IN430CF | IN430CM |
| 30/32 | 3P 4W | | | 380-415V | HBL430R6W | HBL430P6W | HBL430C6W | HBL430B6W | BB2030N | BB201W BB301W | PC3430 | IN430DF | IN430DM |
| | 3P 4W | | | 3Ø 250V | HBL430R9W | HBL430P9W | HBL430C9W | HBL430B9W | BB2030N | BB201W BB301W | PC3430 | IN430DF | IN430DM |
| 30 | 3P 4W | | | 3Ø 480V | HBL430R7W | HBL430P7W | HBL430C7W | HBL430B7W | BB2030N | BB201W BB301W | PC3430 | IN430DF | IN430DM |
| 30 | 3P 4W | | | 3Ø 600V | HBL430R5W | HBL430P5W | HBL430C5W | HBL430B5W | BB2030N | BB201W BB301W | PC3430 | IN430DF | IN430DM |
| 30/32 | 4P 5W | | | 220/380V 240/415V | HBL530R6W | HBL530P6W | HBL530C6W | HBL530B6W | BB2030N | BB201W BB301W | PC530 | IN530EF | IN530EM |
| | 4P 5W | | | 3ØY 120/208V | HBL530R9W | HBL530P9W | HBL530C9W | HBL530B9W | BB2030N | BB201W BB301W | PC530 | IN530EF | IN530EM |
| 30 | 4P 5W | | | 3ØY 277/480V | HBL530R7W | HBL530P7W | HBL530C7W | HBL530B7W | BB2030N | BB201W BB301W | PC530 | IN530EF | IN530EM |
| 30 | 4P 5W | | | 3ØY 347/600V | HBL530R5W | HBL530P5W | HBL530C5W | HBL530B5W | BB2030N | BB201W BB301W | PC530 | IN530EF | IN530EM |
| 32 | 2P 3W | | | 100-130V | HBL332R4W† | HBL332P4W† | HBL332C4W† | HBL332B4W† | BB2030N | BB201W BB301W | PC3430 | IN330BF | IN330BM |
| 32 | 3P 4W | | | 380V 50Hz 440V 60Hz | HBL432R3W | HBL432P3W | HBL432C3W | HBL432B3W† | BB2030N | BB201W BB301W | PC3430 | IN430DF | IN430DM |

*Note: See page G-28 and G-29 for back boxes and accessories, G-34 and G-35 for product dimensions, G-14 and G-15 for product specifications and HP ratings.*
*See page G-29 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.*
**These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
*†Consult factory.*
*See 20, 30, 60 & 100 amp offering for additional dual rated devices for use at either 16A or 20A, 30A or 32A, 60A or 63A and 100A or 125A.*

TYPE 4X, 12

| Rating | | | | | Watertight Devices | | | | Accessories | | | Replacement Interiors | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage | Receptacle | Plug | Connector | Inlet | Back Boxes Non-Metallic | Back Boxes Metallic* | Closure Caps | Recep./ Conn. | Plug/ Inlet |
| 60 | 2P 3W | | | 125V | HBL360R4W | HBL360P4W | HBL360C4W | HBL360B4W | BB60N | BB601W BB602W | PC60 | IN360AF | IN360AM |
| 60/63 | 2P 3W | | | 220-240V 250V | HBL360R6W | HBL360P6W | HBL360C6W | HBL360B6W | BB60N | BB601W BB602W | PC60 | IN360BF | IN360BM† |
| 60 | 2P 3W | | | 480V | HBL360R7W | HBL360P7W | HBL360C7W | HBL360B7W | BB60N | BB601W BB602W | PC60 | IN360BF | IN360BM† |
| 60 | 3P 4W | | | 125/250V | HBL460R12W | HBL460P12W | HBL460C12W | HBL460B12W | BB60N | BB601W BB602W | PC60 | IN460CF | IN460CM |
| 60/63 | 3P 4W | | | 380-415V | HBL460R6W | HBL460P6W | HBL460C6W | HBL460B6W | BB60N | BB601W BB602W | PC60 | IN460DFS | IN460DMS |
| | 3P 4W | | | 3Ø 250V | HBL460R9W | HBL460P9W | HBL460C9W | HBL460B9W | BB60N | BB601W BB602W | PC60 | IN460DF | IN460DM |
| 60 | 3P 4W | | | 3Ø 480V | HBL460R7W | HBL460P7W | HBL460C7W | HBL460B7W | BB60N | BB601W BB602W | PC60 | IN460DF | IN460DM |
| 60 | 3P 4W | | | 3Ø 600V | HBL460R5W | HBL460P5W | HBL460C5W | HBL460B5W | BB60N | BB601W BB602W | PC60 | IN460DF | IN460DM |
| 60/63 | 4P 5W | | | 220/380V 240/415V | HBL560R6W | HBL560P6W | HBL560C6W | HBL560B6W | BB60N | BB601W BB602W | PC60 | IN560EFS† | IN560EMS |
| | 4P 5W | | | 3ØY 120/208V | HBL560R9W | HBL560P9W | HBL560C9W | HBL560B9W | BB60N | BB601W BB602W | PC60 | IN560EF | IN560EM† |
| 60 | 4P 5W | | | 3ØY 277/480V | HBL560R7W | HBL560P7W | HBL560C7W | HBL560B7W | BB60N | BB601W BB602W | PC60 | IN560EF | IN560EM† |
| 60 | 4P 5W | | | 3ØY 347/600V | HBL560R5W | HBL560P5W | HBL560C5W | HBL560B5W | BB60N | BB601W BB602W | PC60 | IN560EF | IN560EM† |
| 100 | 2P 3W | | | 125V | HBL3100R4W | HBL3100P4W | HBL3100C4W | HBL3100B4W | BB100N | BB1001W BB1002W | PC100 | IN3100AF | IN3100AM |
| 100 | 2P 3W | | | 250V | HBL3100R6W | HBL3100P6W | HBL3100C6W | HBL3100B6W | BB100N | BB1001W BB1002W | PC100 | IN3100BF | IN3100BM† |
| 100 | 2P 3W | | | 480V | HBL3100R7W | HBL3100P7W | HBL3100C7W | HBL3100B7W | BB100N | BB1001W BB1002W | PC100 | IN3100BF | IN3100BM† |
| 100 | 3P 4W | | | 125/250V | HBL4100R12W | HBL4100P12W | HBL4100C12W | HBL4100B12W | BB100N | BB1001W BB1002W | PC100 | IN4100CF† | IN4100CM |
| 100/ 125 | 3P 4W | | | 380-415V | HBL4100R6W | HBL4100P6W | HBL4100C6W | HBL4100B6W | BB100N | BB1001W BB1002W | PC100 | IN4100DFS | IN4100DMS |
| | 3P 4W | | | 3Ø 250V | HBL4100R9W | HBL4100P9W | HBL4100C9W | HBL4100B9W | BB100N | BB1001W BB1002W | PC100 | IN4100DF | IN4100DM |
| 100 | 3P 4W | | | 3Ø 480V | HBL4100R7W | HBL4100P7W | HBL4100C7W | HBL4100B7W | BB100N | BB1001W BB1002W | PC100 | IN4100DF | IN4100DM |
| 100 | 3P 4W | | | 3Ø 600V | HBL4100R5W | HBL4100P5W | HBL4100C5W | HBL4100B5W | BB100N | BB1001W BB1002W | PC100 | IN4100DF | IN4100DM |
| 100/ 125 | 4P 5W | | | 220/380V 240/415V | HBL5100R6W | HBL5100P6W | HBL5100C6W | HBL5100B6W | BB100N | BB1001W BB1002W | PC100 | IN5100EFS | IN5100EMS |
| | 4P 5W | | | 3ØY 120/208V | HBL5100R9W | HBL5100P9W** | HBL5100C9W | HBL5100B9W | BB100N | BB1001W BB1002W | PC100 | IN5100EF | IN5100EM |
| 100 | 4P 5W | | | 3ØY 277/480V | HBL5100R7W | HBL5100P7W | HBL5100C7W | HBL5100B7W | BB100N | BB1001W BB1002W | PC100 | IN5100EF | IN5100EM |
| 100 | 4P 5W | | | 3ØY 347/600V | HBL5100R5W | HBL5100P5W | HBL5100C5W | HBL5100B5W | BB100N | BB1001W BB1002W | PC100 | IN5100EF | IN5100EM |

*Note: See page G-28 and G-29 for back boxes and accessories, G-34 and G-35 for product dimensions, G-14 and G-15 for product specifications and HP ratings.*
*See page G-29 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA.*
**These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
***Short housing plug HBL5100P9WSH. IP22 suitability.*
*†Consult factory.*

# Pin and Sleeve Devices/Mechanical Interlocks

TYPE 4X

## Corrosion Resistant Devices that Withstand the Most Abusive Environments

Hubbell offers a superior grade of 100A IEC Pin and Sleeve designed for use in the most demanding environments. These devices feature nickel plated solid brass pins for long life and reliable electrical contact in the most corrosive environments. They have a high visibility yellow supertough nylon housing. The heavy duty external cord clamps provide maximum cord retention to maintain secure terminations. The screws and fasteners are made from stainless steel.



- Food Processing
- Factory



- Water Treatment
- Washdown
- Temporary Power



- Meat Packing
- Construction



- Agriculture
- Outdoor Entertainment

## Standard Service

| Rating | | | | | Watertight Devices | | | Accessories | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | |  |  |  |  Back Boxes |  |  |
| Amps | Poles And Wires | Configuration Recep./ Conn. | Plug | AC Voltage | Receptacle | Plug | Connector | Non-Metallic | Metallic* | Closure Caps |
| 100 | 3P 4W |  |  | 125/250V | **M4100R12** | **M4100P12** | **M4100C12** | **BB100N** | **BB1001W BB1002W** | **PC100** |
| | 4P 5W |  |  | 3ØY 120/208V | **M5100R9** | **M5100P9** | **M5100C9** | **BB100N** | **BB1001W BB1002W** | **PC100** |
| | 4P 5W |  |  | 3ØY 277/480V | **M5100R7** | **M5100P7** | **M5100C7** | **BB100N** | **BB1001W BB1002W** | **PC100** |

## "Reverse Service"

| Rating | | | | | Watertight Devices | | | Accessories | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | |  | |  |  Back Boxes |  |  |
| Amps | Poles And Wires | Configuration Conn. | Inlet | AC Voltage | Inlet | Plug | Connector | Non-Metallic | Metallic* | Closure Caps |
| 100 | 3P 4W |  |  | 125/250V | **M4100B12R** | — | **M4100C12R** | **BB100N** | **BB1001W BB1002W** | **PC100** |
| | 4P 5W |  |  | 3ØY 120/208V | **M5100B9R** | — | **M5100C9R** | **BB100N** | **BB1001W BB1002W** | **PC100** |
| | 4P 5W |  |  | 3ØY 277/480V | **M5100B7R** | — | **M5100C7R** | **BB100N** | **BB1001W BB1002W** | **PC100** |

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
*See page AA-19 for corrosion resistant cord sets.*

## Data Center DC Rated Pin and Sleeve Devices

TYPE 4X, 12

In today's environmentally conscious world, energy savings is a pinnacle part of going green. DC (Direct Current) is being used to reduce power consumption and decrease the amount of infrastructure needed to energize specific types of data center equipment. Electrical devices provide a means of connecting DC power.

Hubbell is the first manufacturer to introduce a series of IEC Pin and Sleeve devices configured for the UL1686 eight o'clock ground position for DC voltage (Disconnecting use only). Hubbell's IEC DC rated pin and sleeve line has been qualified by UL to the requirements of DC voltage. The thermoset polyester contact carrier provide high resistance to electrical tracking, it withstands higher temperatures for this type of demanding application. The solid one-piece pins are machined from solid brass for longer life and reliable electrical contact. In addition, the heavy-duty external cord grips provide maximum cord retention to maintain secure terminations. Finally, the super tough, color coded, non-conductive V-0 rated PBT housing is heavy duty for safety and protecting the internal components.





| Rating | | | | | Watertight Devices | | |
|---|---|---|---|---|---|---|---|
| | | | | |  |  |  |
| Amps | Poles And Wires | Configuration Recep./ Conn. | Plug | DC Voltage | Receptacle | Plug | Connector |
| 30 | 2P 3W |  |  | 550V | **HBL330R8WDC** | **HBL330P8V0DC** | **HBL330C8V0DC** |
| 60 | 2P 3W |  |  | 550V | **HBL360R8WDC*** | **HBL360P8V0DC** | **HBL360C8V0DC** |
| 100 | 2P 3W |  |  | 550V | **HBL3100R8WDC** | **HBL3100P8V0DC** | **HBL3100C8V0DC** |
| | 4P 5W |  |  | 400V | **HBL5100R8WDC** | **HBL5100P8V0DC** | **HBL5100C8V0DC** |

*Note: *Inlet available - HBL360B8WDC.*

## Dual Certified Pin and Sleeve Devices

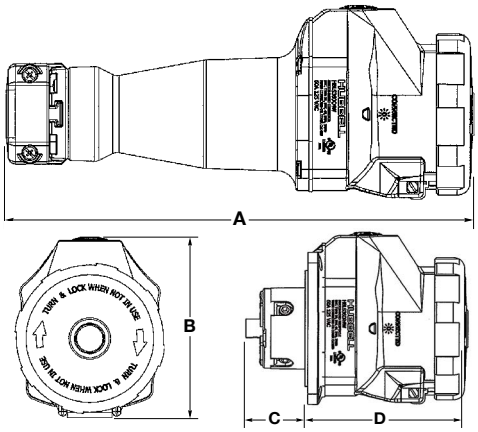
TYPE 4X, 12

Hubbell's dual certified pin and sleeve devices are ideal for the data center and high tech server industry. They are UL Listed to UL1682 for the North American market and are UL Classified Certified for the European and International market. Customers can use the same plug and connector for multiple electrical configurations. They reduce the number of SKU's end users have to use if they sell to both domestic and overseas customers. These devices are IP67 rated, RoHs compliant and showcase all the inherent safety benefits of their V-0 rated PBT housing and internal components.

| Rating | | | | | Watertight Devices | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | |  |  |  |  |
| Amps | Poles And Wires | Configuration Recep./ Conn. | Plug | AC Voltage | Receptacle | Plug | Connector | Inlet |
| 30/32 | 3P 4W |  |  | 380-415V | **HBL430R6V02** | **HBL430P6V02** | **HBL430C6V02** | **HBL430B6V02** |
| | 4P 5W |  |  | 200/346V 240/415V | **HBL530R6V02** | **HBL530P6V02** | **HBL530C6V02** | **HBL530B6V02** |
| 60/63 | 3P 4W |  |  | 380-415V | **HBL460R6V02** | **HBL460P6V02** | **HBL460C6V02** | **HBL460B6V02** |
| | 4P 5W |  |  | 200/346V 240/415V | **HBL560R6V02** | **HBL560P6V02** | **HBL560C6V02** | **HBL560B6V02** |

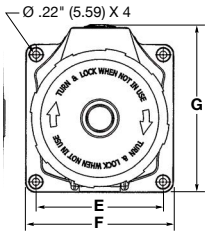
## Advantage Series Specifications

| | |
|---|---|
| Temperature Rise | < 30°C |
| Dielectric Voltage | Min 2,200V AC |
| Electrical Life | Min 6,000 Cycles at rated switch load (p.f.= .75-.80) |
| Max Working Voltage | 600V AC |
| Current Interrupting | Certified for current interrupting at full rated current and voltage |
| Horsepower Locked Rotor Test | 50 Operations at 600% of full load motor current (p.f.= .40-.50) |
| Short Circuit | 100kA when protected by Class J fuse. Also 125A RK1 fuse for 100A devices only |
| Endurance | Min 10,000 mating cycles |
| Flammability | V-0 |
| Operating Temperature | Max Continuous +75°C; Min continous -40°C |
| Environmental | Type 4X, 12 and IP69k |
| UV Resistance | All materials are UV stabilized |




## Dimensions

| Description | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| | Connector | | Receptacle | | | | |
| 30A | 9.9" (251.5) | 4.5" (114.3) | 1.06" (27.2) | 3.83" (97.3) | 3.13" (79.4) | 3.75" (95.2) | 4.5" (114.3) |
| 60A | 12.22" (310.4) | 5.17" (131.3) | 1.85" (47.0) | 4.77" (121.2) | 3.88" (98.6) | 4.52" (114.8) | 5.09" (129.3) |
| 100A | 15.89" (403.6) | 5.63" (142.9) | 3.08" (78.2) | 5.03" (127.6) | 4.87" (123.7) | 5.63" (142.9) | 5.88" (149.3) |




## Watertight Materials

| Part | Material |
|---|---|
| **Plug** | |
| Housing | PBT |
| Locking Ring | PBT |
| Sealing Gasket | Solid Neoprene |
| Cord Clamp | PBT |
| Gland Cap | PBT |
| Gland | Solid Neoprene |
| Cord Clamp Screws | Stainless Steel (300 Series) |
| Clamp Nut | Nickel-Plated Brass |
| Gland Clamp Screws | Stainless Steel (300 Series) |
| Contact Carrier | High-Impact Thermoset |
| Retainer | High-Impact Thermoset |
| Ground, Phase Pins | Brass (M-Series - Nickel-plated brass) |
| Terminal Screws | Stainless Steel (300 Series) |
| Assembly Screws | Stainless Steel (300 Series) |
| **Connector Body** | |
| Housing | PBT |
| Cord Clamps | PBT |
| Glands | Solid Neoprene |
| Cover Arms | PBT |
| Arm Springs | Stainless Steel (17-7 type) |
| Covers | PBT |
| Cover Screw | Nickel-plated brass |
| Gaskets | Solid Neoprene |
| Contact Carrier | High-Impact Thermoset |
| Retainer | High-Impact Thermoset |
| Phase, Ground Sleeves | Brass |
| Sleeve Spring | 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating |
| Terminal Screws | Stainless Steel (300 Series) |
| Assembly Screws | Stainless Steel (300 Series) |

| Part | Material |
|---|---|
| **Inlet** | |
| Housing | PBT |
| Locking Ring | PBT |
| Mounting Flange | PBT |
| Mounting Screws | Stainless Steel (300 Series) |
| Contact Carrier | High-Impact Thermoset |
| Retainer | High-Impact Thermoset |
| Ground, Phase Pins | Brass (M-Series - Nickel-plated brass) |
| Terminal Screws | Stainless Steel (300 Series) |
| Assembly Screws (2) | Stainless Steel (300 Series) |
| Gaskets | Solid Neoprene |
| **Receptacle** | |
| Housing | PBT |
| Mounting Flange | PBT |
| Arm Spring | Stainless Steel (17-7 type) |
| Cover Arm | PBT |
| Cover | PBT |
| Cover Screw | Nickel-plated brass |
| Gaskets | Solid Neoprene |
| Mounting Screws | Stainless Steel (300 Series) |
| Terminal Screws | Stainless Steel (300 Series) |
| Phase, Ground Sleeves | Brass |
| Sleeve Spring | 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating |

## Specifications

| Typical Specification | |
|---|---|
| Manufacturer's Identification | Hubbell HBL520P9W |
| Description | Plug, Power Supply |
| Type | 3 Pole + Neutral + Earth |
| Rating | 20A, 120/208V AC, 3 Phase WYE |
| Configuration | UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight |
| Certification | UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2 |

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

*PBT is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Performance

| | |
|---|---|
| **Electrical** | |
| Dielectric Withstand Voltage | 3000V AC. |
| Max. Working Voltage | 600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V). |
| Current Interrupting | Certified for current interrupting at full rated current (Except DC rated devices). |
| Temperature Rise | Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |
| Endurance | 5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A. |
| **Mechanical** | |
| Impact Resistance | Per CSA C22.2 No. 182.1 / UL1682. |
| Cord Grip Cable Retention | Per CSA C22.2 No. 182.1 / UL1682. |
| Cord Accommodation | Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards. |
| Terminal Identification | Terminals identified in accordance with North American and IEC conventions. |
| Product Identification | Identification and ratings are a permanent part of the device housing. |
| **Environmental** | |
| Moisture Resistance | Watertight per IEC 60309-1. |
| Ingress Protection | TYPE 4X, 12 and IP69K. |
| Flammability | V.0. |
| Operating Temperatures | Maximum Continuous 75°C; Minimum - 40°C without impact. |
| **Materials** | |
| Housings | PBT. |
| All Other Materials | Resistant to corrosion and chemical attack. |

*Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.*

## Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

### Single Phase

| Amps | Wire Count | Voltage | Clock | Catalog Number | HP Rating |
|---|---|---|---|---|---|
| 20 | 3 | 125V | 4 | **HBL320x4W** | 1 |
| 20 | 3 | 250V | 6 | **HBL320x6W** | 2 |
| 20 | 3 | 480V | 7 | **HBL320x7W** | 5 |
| 20 | 4 | 125/250 (208L-L) | 12 | **HBL420x12W** | 2 |
| 20 | 4 | 125/250 (250L-L) | 12 | **HBL420x12W** | 2 |
| 20 | 4 | 125/250 (125L-N) | 12 | **HBL420x12W** | 1 |
| 30 | 3 | 125V | 4 | **HBL330x4W** | 2 |
| 30 | 3 | 250V | 6 | **HBL330x6W** | 3 |
| 30 | 3 | 480V | 7 | **HBL330x7W** | 7.5 |
| 30 | 3 | 550VDC | 8 | **HBL330X8** | N/A |
| 30 | 4 | 125/250 (208L-L) | 12 | **HBL430x12W** | 3 |
| 30 | 4 | 125/250 (250L-L) | 12 | **HBL430x12W** | 3 |
| 30 | 4 | 125/250 (125L-N) | 12 | **HBL430x12W** | 2 |
| 60 | 3 | 125V | 4 | **HBL360x4W** | 2 |
| 60 | 3 | 250V | 6 | **HBL360x6W** | 3 |
| 60 | 3 | 480V | 7 | **HBL360x7W** | 7.5 |
| 60 | 3 | 250VDC | 3 | **HBL360x3W** | N/A |
| 60 | 3 | 550VDC | 8 | **HBL360x8W** | N/A |
| 60 | 4 | 125/250 (208L-L) | 12 | **HBL460x12W** | 3 |
| 60 | 4 | 125/250 (250L-L) | 12 | **HBL460x12W** | 3 |
| 60 | 4 | 125/250 (125L-N) | 12 | **HBL460x12W** | 2 |
| 100 | 3 | 125V | 4 | **HBL3100x4W** | 5 |
| 100 | 3 | 250V | 6 | **HBL3100x6W** | 15 |
| 100 | 3 | 480V | 7 | **HBL3100x7W** | 30 |
| 100 | 3 | 250VDC | 3 | **HBL3100x3W** | N/A |
| 100 | 3 | 550VDC | 8 | **HBL3100x8W** | N/A |
| 100 | 4 | 125/250 (208L-L) | 12 | **HBL4100x12W** | 10 |
| 100 | 4 | 125/250 (250L-L) | 12 | **HBL4100x12W** | 15 |
| 100 | 4 | 125/250 (125L-N) | 12 | **HBL4100x12W** | 5 |

### 3-Phase

| Amps | Wire Count | Voltage | Clock | Catalog Number | HP Rating |
|---|---|---|---|---|---|
| 20 | 4 | 3Ø 250V | 9 | **HBL420x9W** | 5 |
| 20 | 4 | 3Ø 480V | 7 | **HBL420x7W** | 10 |
| 20 | 4 | 3Ø 600V | 5 | **HBL420x5W** | 10 |
| 20 | 4 | 3Ø 380-415V | 6 | **HBL420x6W** | 7.5 |
| 20 | 5 | 3ØY 120/208V | 9 | **HBL520x9W** | 3 |
| 20 | 5 | 3ØY 277/480V | 7 | **HBL520x7W** | 10 |
| 20 | 5 | 3ØY 347/600V | 5 | **HBL520x5W** | 10 |
| 20 | 5 | 3Ø 240/415V | 6 | **HBL520x6W** | 5 |
| 30 | 4 | 3Ø 250V | 9 | **HBL430x9W** | 7.5 |
| 30 | 4 | 3Ø 480V | 7 | **HBL430x7W** | 15 |
| 30 | 4 | 3Ø 600V | 5 | **HBL430x5W** | 20 |
| 30 | 5 | 3ØY 120/208V | 9 | **HBL530x9W** | 5 |
| 30 | 5 | 3ØY 277/480V | 7 | **HBL530x7W** | 15 |
| 30 | 5 | 3ØY 347/600V | 5 | **HBL530x5W** | 20 |
| 30 | 4 | 3Ø 380/415V | 6 | **HBL430x6W** | 10 |
| 30 | 5 | 3Ø 200/346-240/415 | 6 | **HBL530x6W** | 10 |
| 60 | 4 | 3Ø 250V | 9 | **HBL460x9W** | 7.5 |
| 60 | 4 | 3Ø 480V | 7 | **HBL460x7W** | 20 |
| 60 | 4 | 3Ø 600V | 5 | **HBL460x5W** | 25 |
| 60 | 4 | 3Ø 380-415VAC | 6 | **HBL460x6W** | 10 |
| 60 | 5 | 3ØY 120/208V | 9 | **HBL560x9W** | 7.5 |
| 60 | 5 | 3ØY 277/480V | 7 | **HBL560x7W** | 20 |
| 60 | 5 | 3ØY 347/600V | 5 | **HBL560x5W** | 25 |
| 60 | 5 | 3Ø 200/346-240/415 | 6 | **HBL560x6W** | 10 |
| 100 | 4 | 3Ø 250V | 9 | **HBL4100x9W** | 15 |
| 100 | 4 | 3Ø 480V | 7 | **HBL4100x7W** | 40 |
| 100 | 4 | 3Ø 600V | 5 | **HBL4100x5W** | 50 |
| 100 | 4 | 3Ø 380-415V | 6 | **HBL4100x6W** | 30 |
| 100 | 5 | 3ØY 200/346-240/415V | 6 | **HBL5100x6W** | 30 |
| 100 | 5 | 400VDC | 8 | **HBL5100x8W** | N/A |
| 100 | 5 | 3ØY 120/208V | 9 | **HBL5100x9W** | 15 |
| 100 | 5 | 3ØY 277/480V | 7 | **HBL5100x7W** | 40 |
| 100 | 5 | 3ØY 347/600V | 5 | **HBL5100x5W** | 50 |

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

## Hubbell-PRO Commercial Pin and Sleeve Devices

**Hubbell has the IEC Pin and Sleeve Solution — No Matter what Environment or Application!** Hubbell-PRO pin and sleeve is value engineered for commercial and light duty applications. Devices are UL certified conforming to IEC 60309, UL 1682 and are dual-rated where applicable. North American devices are offered in 20A, 30A, 60A and 100A; European devices are available in 16A, 32A, 63A and 125A versions. A complete line of watertight and splash proof versions are available. Numerous features provide installation efficiencies including Edge Series Screwless terminations, glandless water ingress protection, bulk packs and NPT threaded versions for adapter free installations for liquid light applications.



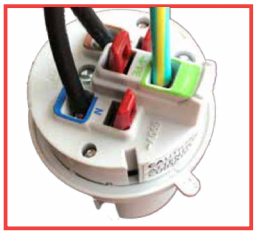
**IP67**



**IP44**



**Liquid Tight**



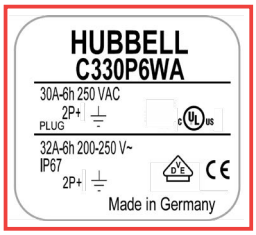
**Edge Series Screwless Terminations**

- Strong spring continuously applies pressure as strands relax
- Eliminates timely step of ferrules
- No Torque screwdriver required



**Glandless Water Ingress Protection –**

- Integral and permanently attached to the device
- Available in either IP44 of IP67 Water ingress protection




**Dual Rated Devices**

- Single SKU certified for use in North America and Internationally
- Accepts full range of UL and VDE approved cable



**Back Boxes and accessories**

- A complete line of metallic and non-metallic back boxes
- Adapter plates allow receptacles and inlets to be mounted to Hubbell Back Boxes



**Screwless Two Piece Housing 60A – 125A devices**

- Single Push Tab Secures Housing & IP67 Rating



**Liquid Tight Versions:**

- Integral NPT threaded back housing directly accepts liquid tight fittings

**Watertight Series**
**North American Ratings**

IP67 SUITABILITY

| Amps | Dual Rated: | Ratings | Watertight IP67 Suitability | | | |
|---|---|---|---|---|---|---|
| | | | Inlet* | Connector | Plug | Receptacle |
| 16 & 20 | | 2P/3W, 20A 125V AC | **C320B4WA** | **C320C4WA** | **C320P4WA** | **C320R4WA** |
| | Dual Rated: | 2P/3W, 20A 250V AC/16A 220-240V | **C320B6WA** | **C320C6WA** | **C320P6WA** | **C320R6WA** |
| | | 2P/3W, 20A 480V AC | **C320B7WA** | **C320C7WA** | **C320P7WA** | **C320R7WA** |
| | | 3P/4W, 20A 3P 600V | **C420B5WA** | **C420C5WA** | **C420P5WA** | **C420R5WA** |
| | Dual Rated: | 2P/3W, 20A 250V AC/16A 220-240V | **C420B6WA** | **C420C6WA** | **C420P6WA** | **C420R6WA** |
| | | 3P/4W, 20A 3P 480V | **C420B7WA** | **C420C7WA** | **C420P7WA** | **C420R7WA** |
| | Dual Rated: | 3P/4W, 16/20A 3P 250 VAC | **C420B9WA** | **C420C9WA** | **C420P9WA** | **C420R9WA** |
| | | 4P/5W, 20A 347/600V | **C520B5WA** | **C520C5WA** | **C520P5WA** | **C520R5WA** |
| | Dual Rated: | 4P/5W,16/20A 200-415V AC | **C520B6WA** | **C520C6WA** | **C520P6WA** | **C520R6WA** |
| | | 4P/5W, 20A 277/480V | **C520B7WA** | **C520C7WA** | **C520P7WA** | **C520R7WA** |
| | Dual Rated: | 4P/5W,16/20A 120/208V | **C520B9WA** | **C520C9WA** | **C520P9WA** | **C520R9WA** |
| 30 & 32 | | 2P/3W, 30A 125V AC | **C330B4WA** | **C330C4WA** | **C330P4WA** | **C330R4WA** |
| | Dual Rated: | 2P/3W, 30A 250V/32A 220-240V | **C330B6WA** | **C330C6WA** | **C330P6WA** | **C330R6WA** |
| | | 2P/3W, 30A 480V AC | **C330B7WA** | **C330C7WA** | **C330P7WA** | **C330R7WA** |
| | | 3P/4W, 30A 3P 600V | **C430B5WA** | **C430C5WA** | **C430P5WA** | **C430R5WA** |
| | Dual Rated: | 3P/4W, 30/32A 380-415V AC | **C430B6WA** | **C430C6WA** | **C430P6WA** | **C430R6WA** |
| | | 3P/4W, 30A 3P 480V | **C430B7WA** | **C430C7WA** | **C430P7WA** | **C430R7WA** |
| | Dual Rated: | 3P/4W, 30/32A 3P 250 VAC | **C430B9WA** | **C430C9WA** | **C430P9WA** | **C430R9WA** |
| | | 4P/5W, 30A 347/600V | **C530B5WA** | **C530C5WA** | **C530P5WA** | **C530R5WA** |
| | Dual Rated: | 4P/5W, 30/32A 200-415V AC | **C530B6WA** | **C530C6WA** | **C530P6WA** | **C530R6WA** |
| | | 4P/5W, 30A 277/480V | **C530B7WA** | **C530C7WA** | **C530P7WA** | **C530R7WA** |
| | Dual Rated: | 4P/5W, 30/32A 120/208V | **C530B9WA** | **C530C9WA** | **C530P9WA** | **C530R9WA** |
| 60 & 63 | | 2P/3W, 60A 125V AC | **C360B4WA** | **C360C4WA** | **C360P4WA** | **C360R4WA** |
| | Dual Rated: | 2P/3W, 60A 250V/63A 220-240V | **C360B6WA** | **C360C6WA** | **C360P6WA** | **C360R6WA** |
| | | 2P/3W, 60A 480V AC | **C360B7WA** | **C360C7WA** | **C360P7WA** | **C360R7WA** |
| | | 3P/4W, 60A 3P 600V | **C460B5WA** | **C460C5WA** | **C460P5WA** | **C460R5WA** |
| | Dual Rated: | 3P/4W, 60/63A 380-415V AC | **C460B6WA** | **C460C6WA** | **C460P6WA** | **C460R6WA** |
| | | 3P/4W, 60A 3P 480V | **C460B7WA** | **C460C7WA** | **C460P7WA** | **C460R7WA** |
| | Dual Rated: | 3P/4W, 60/63A 3P 250 VAC | **C460B9WA** | **C460C9WA** | **C460P9WA** | **C460R9WA** |
| | | 4P/5W, 60A 347/600V | **C560B5WA** | **C560C5WA** | **C560P5WA** | **C560R5WA** |
| | Dual Rated: | 4P/5W, 60/63A 200-415V AC | **C560B6WA** | **C560C6WA** | **C560P6WA** | **C560R6WA** |
| | | 4P/5W, 60A 277/480V | **C560B7WA** | **C560C7WA** | **C560P7WA** | **C560R7WA** |
| | Dual Rated: | 4P/5W, 60/63A 120/208V | **C560B9WA** | **C560C9WA** | **C560P9WA** | **C560R9WA** |

*See page G-28 for Back Boxes and G-36 for product dimensions.*

** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

## Watertight Series
## North American Ratings (Cont'd)

| Amps | Dual Rated: | Ratings | Watertight IP67 Suitability | | | |
|---|---|---|---|---|---|---|
| | | | Inlet* | Connector | Plug | Receptacle* |
| 100 & 125 | Dual Rated: | 2P/3W, 100A 250V AC/125A 220-240V | **C3100B6WA** | **C3100C6WA** | **C3100P6WA** | **C3100R6WA** |
| | | 2P/3W, 100A 480V AC | **C3100B7WA** | **C3100C7WA** | **C3100P7WA** | **C3100R7WA** |
| | | 3P/4W, 100A 3P 600V | **C4100B5WA** | **C4100C5WA** | **C4100P5WA** | **C4100R5WA** |
| | Dual Rated: | 3P/4W, 100/125A 380-415V AC | **C4100B6WA** | **C4100C6WA** | **C4100P6WA** | **C4100R6WA** |
| | | 3P/4W, 100A 3P 480V | **C4100B7WA** | **C4100C7WA** | **C4100P7WA** | **C4100R7WA** |
| | Dual Rated: | 3P/4W, 100/125A 3P 250 VAC | **C4100B9WA** | **C4100C9WA** | **C4100P9WA** | **C4100R9WA** |
| | | 4P/5W, 100A 347/600V | **C5100B5WA** | **C5100C5WA** | **C5100P5WA** | **C5100R5WA** |
| | Dual Rated: | 4P/5W, 100/125A 200-415V AC | **C5100B6WA** | **C5100C6WA** | **C5100P6WA** | **C5100R6WA** |
| | | 4P/5W, 100A 277/480V | **C5100B7WA** | **C5100C7WA** | **C5100P7WA** | **C5100R7WA** |
| | Dual Rated: | 4P/5W, 100/125A 120/208V | **C5100B9WA** | **C5100C9WA** | **C5100P9WA** | **C5100R9WA** |

## Watertight Series
## International Ratings

| Amps | Ratings | Watertight IP67 Suitability | | | |
|---|---|---|---|---|---|
| | | Inlet* | Connector | Plug | Receptacle* |
| 16A | 2P/3W, 16A 100-130V | **C316B4WA** | **C316C4WA** | **C316P4WA** | **C316R4WA** |
| | 2P/3W, 16A 220-240V | **C316B6WA** | **C316C6WA** | **C316P6WA** | **C316R6WA** |
| | 2P/3W, 16A 380-415V | **C416B6WA** | **C416C6WA** | **C416P6WA** | **C416R6WA** |
| | 4P/5W, 16A 200-415V | **C516B6WA** | **C516C6WA** | **C516P6WA** | **C516R6WA** |
| 32A | 2P/3W, 32A 100-130V | **C332B4WA** | **C332C4WA** | **C332P4WA** | **C332R4WA** |
| | 2P/3W, 32A 220-240V | **C332B6WA** | **C332C6WA** | **C332P6WA** | **C332R6WA** |
| | 3P/4W, 32A 380-480V | **C432B3WA** | **C432C3WA** | **C432P3WA** | **C432R3WA** |
| | 3P/4W, 32A 380-415V | **C432B6WA** | **C432C6WA** | **C432P6WA** | **C432R6WA** |
| | 4P/5W, 32A 200-415V | **C532B6WA** | **C532C6WA** | **C532P6WA** | **C532R6WA** |
| 63A | 2P/3W, 63A 220-240V | **C363B6WA** | **C363C6WA** | **C363P6WA** | **C363R6WA** |
| | 3P/4W, 63A 380-415V | **C463B6WA** | **C463C6WA** | **C463P6WA** | **C463R6WA** |
| | 4P/5W, 63A 200-415V | **C563B6WA** | **C563C6WA** | **C563P6WA** | **C563R6WA** |
| 125A | 2P/3W, 125A 220-240V | **C3125B6WA** | **C3125C6WA** | **C3125P6WA** | **C3125R6WA** |
| | 3P/4W, 125A 380-415V | **C4125B6WA** | **C4125C6WA** | **C4125P6WA** | **C4125R6WA** |
| | 4P/5W, 125A 200-415V | **C5125B6WA** | **C5125C6WA** | **C5125P6WA** | **C5125R6WA** |

*See page G-28 for Back Boxes and G-36 for product dimensions.*

** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

## Splashproof Series
## North American Ratings

| Amps | | Ratings | Splashproof IP44 Suitability | | | |
|---|---|---|---|---|---|---|
| | | | Inlet* | Connector | Plug | Receptacle* |
| 16 & 20 | | 2P/3W, 20A 125V AC | C320B4SA | C320C4SA | C320P4SA | C320R4SA |
| | Dual Rated | 2P/3W, 20A 250V AC/16A 220-240V | C320B6SA | C320C6SA | C320P6SA | C320R6SA |
| | | 2P/3W, 20A 480V AC | C320B7SA | C320C7SA | C320P7SA | C320R7SA |
| | | 3P/4W, 20A 3Ø 600V | C420B5SA | C420C5SA | C420P5SA | C420R5SA |
| | Dual Rated | 2P/3W, 20A 250V AC/16A 220-240V | C420B6SA | C420C6SA | C420P6SA | C420R6SA |
| | | 3P/4W, 20A 3Ø 480V | C420B7SA | C420C7SA | C420P7SA | C420R7SA |
| | Dual Rated | 3P/4W, 16/20A 3P 250 VAC | C420B9SA | C420C9SA | C420P9SA | C420R9SA |
| | | 4P/5W, 20A 347/600V | C520B5SA | C520C5SA | C520P5SA | C520R5SA |
| | Dual Rated | 4P/5W,16/20A 200-415V AC | C520B6SA | C520C6SA | C520P6SA | C520R6SA |
| | | 4P/5W, 20A 277/480V | C520B7SA | C520C7SA | C520P7SA | C520R7SA |
| | Dual Rated | 4P/5W,16/20A 120/208V | C520B9SA | C520C9SA | C520P9SA | C520R9SA |
| 30 & 32 | | 2P/3W, 30A 125V AC | C330B4SA | C330C4SA | C330P4SA | C330R4SA |
| | Dual Rated | 2P/3W, 30A 250V AC/32A 220-240V | C330B6SA | C330C6SA | C330P6SA | C330R6SA |
| | | 2P/3W, 30A 480V AC | C330B7SA | C330C7SA | C330P7SA | C330R7SA |
| | | 3P/4W, 30A 3Ø 600V | C430B5SA | C430C5SA | C430P5SA | C430R5SA |
| | Dual Rated | 3P/4W, 30/32A 380-415V AC | C430B6SA | C430C6SA | C430P6SA | C430R6SA |
| | | 3P/4W, 30A 3Ø 480V | C430B7SA | C430C7SA | C430P7SA | C430R7SA |
| | Dual Rated | 3P/4W, 30/32A 3P 250 VAC | C430B9SA | C430C9SA | C430P9SA | C430R9SA |
| | | 4P/5W, 30A 347/600V | C530B5SA | C530C5SA | C530P5SA | C530R5SA |
| | Dual Rated | 4P/5W, 30/32A 200-415V AC | C530B6SA | C530C6SA | C530P6SA | C530R6SA |
| | | 4P/5W, 30A 277/480V | C530B7SA | C530C7SA | C530P7SA | C530R7SA |
| | Dual Rated | 4P/5W, 30/32A 120/208V | C530B9SA | C530C9SA | C530P9SA | C530R9SA |
| 60 & 63 | | 2P/3W, 60A 125V AC | C360B4SA | C360C4SA | C360P4SA | C360R4SA |
| | Dual Rated | 2P/3W, 60A 250V AC/63A 220-240V | C360B6SA | C360C6SA | C360P6SA | C360R6SA |
| | | 2P/3W, 60A 480V AC | C360B7SA | C360C7SA | C360P7SA | C360R7SA |
| | | 3P/4W, 60A 3Ø 600V | C460B5SA | C460C5SA | C460P5SA | C460R5SA |
| | Dual Rated | 3P/4W, 60/63A 380-415V AC | C460B6SA | C460C6SA | C460P6SA | C460R6SA |
| | | 3P/4W, 60A 3Ø 480V | C460B7SA | C460C7SA | C460P7SA | C460R7SA |
| | Dual Rated | 3P/4W, 60/63A 3P 250 VAC | C460B9SA | C460C9SA | C460P9SA | C460R9SA |
| | | 4P/5W, 60A 347/600V | C560B5SA | C560C5SA | C560P5SA | C560R5SA |
| | Dual Rated | 4P/5W, 60/63A 200-415V AC | C560B6SA | C560C6SA | C560P6SA | C560R6SA |
| | | 4P/5W, 60A 277/480V | C560B7SA | C560C7SA | C560P7SA | C560R7SA |
| | Dual Rated | 4P/5W, 60/63A 120/208V | C560B9SA | C560C9SA | C560P9SA | C560R9SA |

*See page G-28 for Back Boxes. Dimensions are available online.*

** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

## Splashproof Series
## International Ratings

c UL us LISTED

| Amps | Ratings | | Splashproof IP44 Suitability | | | |
|---|---|---|---|---|---|---|
| | | | Inlet | Connector | Plug | Receptacle |
| 16A | 2P/3W, 16A 100-130V | | C316B4SA | C316C4SA | C316P4SA | C316R4SA |
| | 2P/3W, 16A 220-240V | | C316B6SA | C316C6SA | C316P6SA | C316R6SA |
| | 2P/3W, 16A 380-415V | | C416B6SA | C416C6SA | C416P6SA | C416R6SA |
| | 4P/5W, 16A 200-415V | | C516B6SA | C516C6SA | C516P6SA | C516R6SA |
| 32A | 2P/3W, 32A 100-130V | | C332B4SA | C332C4SA | C332P4SA | C332R4SA |
| | 2P/3W, 32A 220-240V | | C332B6SA | C332C6SA | C332P6SA | C332R6SA |
| | 3P/4W, 32A 380-480V | | C432B3SA | C432C3SA | C432P3SA | C432R3SA |
| | 3P/4W, 32A 380-415V | | C432B6SA | C432C6SA | C432P6SA | C432R6SA |
| | 4P/5W, 32A 200-415V | | C532B6SA | C532C6SA | C532P6SA | C532R6SA |
| 63A | 2P/3W, 63A 220-240V | | C363B6SA | C363C6SA | C363P6SA | C363R6SA |
| | 3P/4W, 63A 380-415V | | C463B6SA | C463C6SA | C463P6SA | C463R6SA |
| | 4P/5W, 63A 200-415V | | C563B6SA | C563C6SA | C563P6SA | C563R6SA |

## Liquid Tight Versions

| Amps | Ratings | | Liquid Tight Conduit Size | IP67 Connectors | IP44 Connectors | IP67 Plugs* | IP44 Plugs* |
|---|---|---|---|---|---|---|---|
| 30A | 5h 3ØY 347/600 V | | 1/2" | C530C5WLT12 | C530C5SLT12 | C530P5WA | C530P5SA |
| 30A | 5h 3ØY 347/600 V | | 3/4" | C530C5WLT34 | C530C5SLT34 | C530P5WA | C530P5SA |
| 30A / 32A | 6h 3Ø 200/346-240/415 AC | | 1/2" | C530C6WLT12 | C530C6SLT12 | C530P6WA | C530P6SA |
| 30A / 32A | 6h 3Ø 200/346-240/415 AC | | 3/4" | C530C6WLT34 | C530C6SLT34 | C530P6WA | C530P6SA |
| 30A | 7h 3ØY 277/480 V | | 1/2" | C530C7WLT12 | C530C7SLT12 | C530P7WA | C530P7SA |
| 30A | 7h 3ØY 277/480 V | | 3/4" | C530C7WLT34 | C530C7SLT34 | C530P7WA | C530P7SA |
| 30A / 32A | 9h 3ØY 120/208 V | | 1/2" | C530C9WLT12 | C530C9SLT12 | C530P9WA | C530P9SA |
| 30A / 32A | 9h 3ØY 120/208 V | | 3/4" | C530C9WLT34 | C530C9SLT34 | C530P9WA | C530P9SA |
| 60A | 4h 125 VAC | | 3/4" | C360C4WLT34 | C360C4SLT34 | C360P4WA | C360P4SA |
| 60A / 63A | 6h 250 VAC | | 3/4" | C360C6WLT34 | C360C6SLT34 | C360P6WA | C360P6SA |
| 60A | 7h 480 VAC | | 3/4" | C360C7WLT34 | C360C7SLT34 | C360P7WA | C360P7SA |
| 60A | 5h 3ØY 347/600 V | | 3/4" | C460C5WLT34 | C460C5SLT34 | C460P5WA | C460P5SA |
| 60A / 63A | 6h 3Ø 200/346-240/415 AC | | 3/4" | C460C6WLT34 | C460C6SLT34 | C460P6WA | C460P6SA |
| 60A | 7h 3Ø 480 V | | 3/4" | C460C7WLT34 | C460C7SLT34 | C460P7WA | C460P7SA |
| 60A / 63A | 9h 3ØY 120/208 V | | 3/4" | C460C9WLT34 | C460C9SLT34 | C460P9WA | C460P9SA |
| 60A | 5h 3ØY 347/600 V | | 3/4" | C560C5WLT34 | C560C5SLT34 | C560P5WA | C560P5SA |
| 60A / 63A | 6h 3Ø 200/346-240/415 AC | | 3/4" | C560C6WLT34 | C560C6SLT34 | C560P6WA | C560P6SA |
| 60A | 7h 3ØY 277/480 V | | 3/4" | C560C7WLT34 | C560C7SLT34 | C560P7WA | C560P7SA |
| 60A / 63A | 9h 3ØY 120/208 V | | 3/4" | C560C9WLT34 | C560C9SLT34 | C560P9WA | C560P9SA |

Dimensions available online
* Mating plugs are certified for installation on cable only.

## Features and Benefits

IP67
SUITABILITY

### Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks




The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

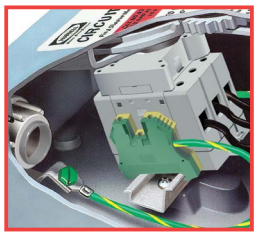
In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.




#### Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



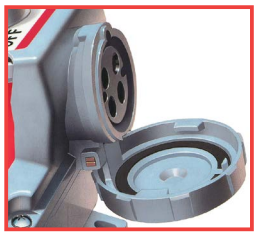
#### Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement



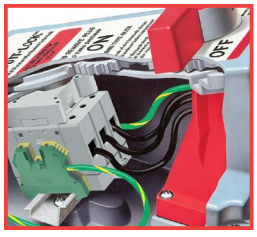

#### Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Two-stage interlocking mechanism to help defeat tampering
- Watertight conduit hub and grounding plate for use on metallic conduit (IP67 suitability)



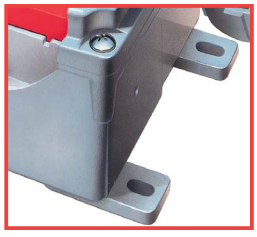
#### Liftcover

- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact




#### Identification

- Color coded rating pad and receptacle mount to signify voltage



#### Installation

- Comes with brass inserts and stainless steel screws for higher torque and better sealing
- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

IP67 SUITABILITY

Enclosure Type 4X, 12

| Rating | | | | | Unfused Circuit-Lock® Devices | | Reverse Service | |
|---|---|---|---|---|---|---|---|---|
| | | | | |  |  |  |  |
| Amps | Poles and Wires | Configuration Recep. | Plug | AC Voltage | Mechanical Interlock | Mating Plug | Mechanical Interlock | Mating Plug |
| 20 | 3P 4W | | | 120/240V | **HBL420MI12W** | **HBL420P12W** | — | — |
| | 3P 4W | | | 3Ø 240V | **HBL420MI9W** | **HBL420P9W** | — | — |
| | 3P 4W | | | 3Ø 480V | **HBL420MI7W** | **HBL420P7W** | — | — |
| | 3P 4W | | | 3Ø 600V | **HBL420MI5W** | **HBL420P5W** | — | — |
| 30 | 2P 3W | | | 120V | **HBL330MI4W** | **HBL330P4W** | — | — |
| | 2P 3W | | | 240V | **HBL330MI6W** | **HBL330P6W** | — | — |
| | 2P 3W | | | 480V | **HBL330MI7W** | **HBL330P7W** | — | — |
| | 3P 4W | | | 120/240V | **HBL430MI12W** | **HBL430P12W** | — | — |
| | 3P 4W | | | 3Ø 240V | **HBL430MI9W** | **HBL430P9W** | **HBL430MI9WR** | **HBL430P9WR** |
| | 3P 4W | | | 3Ø 480V | **HBL430MI7W** | **HBL430P7W** | **HBL430MI7WR** | **HBL430P7WR** |
| | 3P 4W | | | 3Ø 600V | **HBL430MI5W** | **HBL430P5W** | **HBL430MI5WR** | **HBL430P5WR** |
| | 4P 5W | | | 3ØY 120/208V | **HBL530MI9W** | **HBL530P9W** | — | — |
| | 4P 5W | | | 3ØY 277/480V | **HBL530MI7W** | **HBL530P7W** | — | — |
| | 4P 5W | | | 3ØY 347/600V | **HBL530MI5W** | **HBL530P5W** | — | — |
| 32 | 3P 4W | | | 380V 50HZ-440V 60Hz | **HBL432MI3W** | **HBL432P3W** | — | — |
| 60 | 2P 3W | | | 120V | **HBL360MI4W** | **HBL360P4W** | — | — |
| | 2P 3W | | | 240V | **HBL360MI6W** | **HBL360P6W** | — | — |
| | 2P 3W | | | 480V | **HBL360MI7W** | **HBL360P7W** | — | — |
| | 3P 4W | | | 120/240V | **HBL460MI12W** | **HBL460P12W** | **HBL460MI12WR** | **HBL460P12WR** |
| | 3P 4W | | | 3Ø 240V | **HBL460MI9W** | **HBL460P9W** | **HBL460MI9WR** | **HBL460P9WR** |
| | 3P 4W | | | 3Ø 480V | **HBL460MI7W** | **HBL460P7W** | **HBL460MI7WR** | **HBL460P7WR** |
| | 3P 4W | | | 3Ø 600V | **HBL460MI5W** | **HBL460P5W** | **HBL460MI5WR** | **HBL460P5WR** |
| | 4P 5W | | | 3ØY 120/208V | **HBL560MI9W** | **HBL560P9W** | — | — |
| | 4P 5W | | | 3ØY 277/480V | **HBL560MI7W** | **HBL560P7W** | — | — |
| | 4P 5W | | | 3ØY 347/600V | **HBL560MI5W** | **HBL560P5W** | — | — |
| 100 | 2P 3W | | | 240V | **HBL3100MI6W** | **HBL3100P6W** | — | — |
| | 3P 4W | | | 120/240V | **HBL4100MI12W** | **HBL4100P12W** | **HBL4100MI12WR** | **HBL4100P12WR** |
| | 3P 4W | | | 3Ø 240V | **HBL4100MI9W** | **HBL4100P9W** | **HBL4100MI9WR** | **HBL4100P9WR** |
| | 3P 4W | | | 3Ø 480V | **HBL4100MI7W** | **HBL4100P7W** | **HBL4100MI7WR** | **HBL4100P7WR** |
| | 3P 4W | | | 3Ø 600V | **HBL4100MI5W** | **HBL4100P5W** | **HBL4100MI5WR** | **HBL4100P5WR** |
| | 4P 5W | | | 3ØY 120/208V | **HBL5100MI9W** | **HBL5100P9W** | — | — |

*Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1¼ inch hub supplied.*



HBLAC1



HBLAC2



HBL30RGB



HBL30RNB



MICPK30



CA3430MI



HBL30MIRS



HBLRFT2

*Dimensions in Inches (mm)*

## Auxiliary Contacts for 20, 30, 32, 60 and 100A Switch, NEMA A600 Pilot Duty

| Description | Catalog Number |
|---|---|
| "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts. | **HBLAC1** |
| "Break Before Main Break", 1 set of n/o contacts. | **HBLAC2** |

## Ground Block

| Description | Catalog Number |
|---|---|
| For 20, 30 and 32A switches. | **HBL30RGB** |
| For 60 and 100A switches. | **HBL60100RGB** |

## Neutral Block

| Description | Catalog Number |
|---|---|
| For 20, 30 and 32A switches. | **HBL30RNB** |
| For 60A switches. | **HBL60RNB** |
| For 100A switches. | **HBL100RNB** |

## Watertight Closure Plug Kits

| Description | Catalog Number |
|---|---|
| For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks. | **MICPK30** |
| For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks. | **MICPK60** |

## Replacement Flip Covers

| Description | Catalog Number |
|---|---|
| For 20A mechanical interlocks. | **CA420MI** |
| For 30 and 32A, 3 and 4 wire mechanical interlocks. | **CA3430MI** |
| For 30A, 5 wire mechanical interlocks. | **CA530MI** |
| For 60A mechanical interlocks. | **CA60MI** |
| For 100A mechanical interlocks. | **CA100MI** |

## Replacement Switches

| Description | Catalog Number |
|---|---|
| For 20A mechanical interlocks. | **HBLDS3RS** |
| For 30 and 32A mechanical interlocks. | **HBL30MIRS** |
| For 60 and 100A mechanical interlocks. | **HBLDS60100RS** |

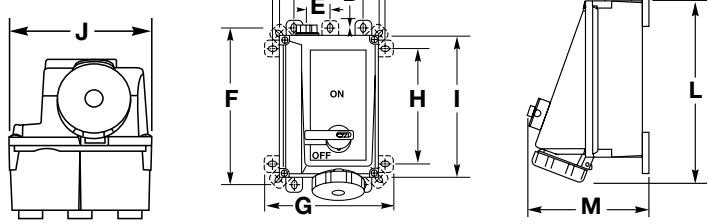
## Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| For 20, 30, 32, 60 and 100A mechanical interlocks. | **HBLRFT2*** |

## Dimensions

| KEY | 20A and 30A Inches (mm) | 60A Inches (mm) | 100A Inches (mm) |
|---|---|---|---|
| A | 7.75" (196.9) | 7.75" (196.9) | 7.75" (196.9) |
| B | 6.87" (174.5) | 6.87" (174.5) | 6.87" (174.5) |
| C | 4.75" (120.7) | 4.75" (120.7) | 4.75" (120.7) |
| D | 1.02" (25.9) | 1.02" (25.9) | 1.02" (25.9) |
| E | 1.60" (40.6) | 1.46" (37.1) | 1.46" (37.1) |
| F | 11.00" (279.4) | 12.75" (323.9) | 12.75" (323.9) |
| G | 8.75" (222.3) | 8.75" (222.3) | 8.75" (222.3) |
| H | 8.00" (203.2) | 9.75" (247.7) | 9.75" (247.7) |
| I | 10.12" (257.0) | 11.87" (301.5) | 11.87" (301.5) |
| J | 6.88" (174.8) | 6.88" (174.8) | 6.88" (174.8) |
| K | 1.93" (49.0) | 2.09" (53.1) | 2.09" (53.1) |
| L | 11.25" (285.8)** | 13.65" (346.7) | 13.65" (346.7) |
| M | 7.75" (196.9) | 8.60" (218.4) | 9.30" (236.2) |
| HUB SIZE | 1.00" NPT | 1.25" NPT | 1.25" NPT |

*Note: *Package of 10 feet and 10 screws.*
***30 and 32A, 3 and 4W = 11.50" (292.1); 30A, 5W = 11.59" (294.4).*



## Typical Specifications

| | |
|---|---|
| Manufacturer's Identification | Hubbell HBL430MI7W |
| Description | Circuit-Lock® Pin and Sleeve Mechanical Interlock |
| Electrical Type | 3 Pole + Earth |
| Rating | 30A, 480V AC, 3 Phase |
| Configuration | IEC 60309-2, UL1686 C2, Clock position 7 |
| Enclosure Type | Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids) |
| Ingress Protection | IP67 Suitability |
| Enclosure Material | Non-metallic, enclosure suitable for metallic conduit |
| Certification | UL Listed, CSA Certified |

*Note: This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."*

## Materials

| Part | Material | Part | Material |
|---|---|---|---|
| Base | PBT | Top | PBT |
| Handle | PBT | Conduit Hub | Zinc |
| Enclosure Gasket | Neoprene | Shaft | PBT |
| Shaft Seal | Neoprene | Ground Plate | Galvanized Steel |
| Enclosure Screws | Stainless Steel 300 Series | Enclosure Inserts | Brass |
| Hinge Pins | Nickel Plated Brass | Hinge Spring | Stainless Steel 300 Series |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 3,000V AC Min. |
| Max. Working Voltage | 600V AC RMS. |
| Current Interrupting | Certified for current interrupting at full rated current and voltage. |
| Short Circuit Withstand Rating | Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A. |
| Operations | Mechanical 10,000 cycles, electrical 6,000 cycles. |

| Mechanical | |
|---|---|
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Identification | Identification and ratings are part of the external label and molded into the receptacle mount. |
| Mounting | External adjustable feet. |

| Environmental | |
|---|---|
| Moisture Resistance | Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids). |
| Ingress Protection | IP69K Suitability. |
| Flammability | UL94-5VA and V-0 Classification. |
| Operating Temperature | Max. Continuous +75°C; Min. Continuous -40°C. |
| UV Resistance | All materials are UV stabilized. |

## Horsepower Ratings

| Amps | AC Voltage Rating | Horsepower | Mechanical Interlock | Mating Plug |
|---|---|---|---|---|
| 20 | 120/240V AC | 2 | **HBL420MI12W** | **HBL420P12W** |
| 20 | 3Ø 240V AC | 5 | **HBL420MI9W** | **HBL420P9W** |
| 20 | 3Ø 480V AC | 10 | **HBL420MI7W** | **HBL420P7W** |
| 20 | 3Ø 600V AC | 10 | **HBL420MI5W** | **HBL420P5W** |
| 30 | 120V AC | 2 | **HBL330MI4W** | **HBL330P4W** |
| 30 | 240V AC | 3 (208-240V AC) | **HBL330MI6W** | **HBL330P6W** |
| 30 | 480V AC | 7.5 | **HBL330MI7W** | **HBL330P7W** |
| 30 | 120/240V AC | 3 (208-240V AC) | **HBL430MI12W** | **HBL430P12W** |
| 30 | 3Ø 600V AC | 20 | **HBL430MI5W** | **HBL430P5W** |
| 30 | 3Ø 480V AC | 15 | **HBL430MI7W** | **HBL430P7W** |
| 30 | 3Ø 250V AC | 7.5 | **HBL430MI9W** | **HBL430P9W** |
| 30 | 3ØY 347/600V AC | 20 | **HBL530MI5W** | **HBL530P5W** |
| 30 | 3ØY 277/480V AC | 15 | **HBL530MI7W** | **HBL530P7W** |
| 30 | 3ØY 120/208V AC | 5 | **HBL530MI9W** | **HBL530P9W** |
| 32 | 380V AC 50Hz – 440V AC 60Hz | 15 (440V AC 3Ø 60Hz) | **HBL432MI3W** | **HBL432P3W** |
| 60 | 120V AC | 3 | **HBL360MI4W** | **HBL360P4W** |
| 60 | 240V AC | 7.5 (208-240V AC) | **HBL360MI6W** | **HBL360P6W** |
| 60 | 480V AC | 20 | **HBL360MI7W** | **HBL360P7W** |
| 60 | 120/240V AC | 7.5 (208-240V AC) | **HBL460MI12W** | **HBL460P12W** |
| 60 | 3Ø 600V AC | 40 | **HBL460MI5W** | **HBL460P5W** |
| 60 | 3Ø 480V AC | 30 | **HBL460MI7W** | **HBL460P7W** |
| 60 | 3Ø 250V AC | 15 | **HBL460MI9W** | **HBL460P9W** |
| 60 | 3ØY 347/600V AC | 40 | **HBL560MI5W** | **HBL560P5W** |
| 60 | 3ØY 277/480V AC | 30 | **HBL560MI7W** | **HBL560P7W** |
| 60 | 3ØY 120/208V AC | 15 | **HBL560MI9W** | **HBL560P9W** |
| 100 | 240V AC | 15 (10 @ 208V AC) | **HBL3100MI6W** | **HBL3100P6W** |
| 100 | 120/240V AC | 15 | **HBL4100MI12W** | **HBL4100P12W** |
| 100 | 3Ø 600V AC | 50 | **HBL4100MI5W** | **HBL4100P5W** |
| 100 | 3Ø 480V AC | 50 | **HBL4100MI7W** | **HBL4100P7W** |
| 100 | 3Ø 250V AC | 25 (208-240V AC) | **HBL4100MI9W** | **HBL4100P9W** |
| 100 | 3ØY 120/208V AC | 20 | **HBL5100MI9W** | **HBL5100P9W** |

## Features and Benefits

IP66
SUITABILITY

### Fused Circuit-Lock® Pin and Sleeve Mechanical Interlocks



Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

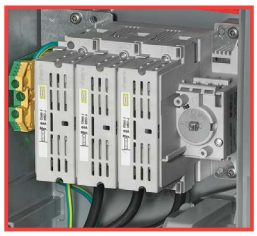
It features a high visibility red handle that can be locked in the OFF position to meet OSHA lockout/tagout regulations. The enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.



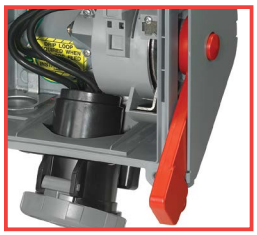
### Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses



### Interior Design

- Compact Fused Disconnect Switch accepts **Class "J" fuses**. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



### Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5/16 inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



### Contact Carrier

- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



### Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened



### Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

# Pin and Sleeve Devices/Mechanical Interlocks

IP66
SUITABILITY

Enclosure Type 4X, 12

| Rating | | | | | Fused Circuit-Lock® Devices | |
|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage | Mechanical Interlock | Mating Plug |
| 30 | 3P 4W | | | 120/240V | **HBL430MIF12W** | **HBL430P12W** |
| | 3P 4W | | | 3Ø 240V | **HBL430MIF9W** | **HBL430P9W** |
| | 3P 4W | | | 3Ø 480V | **HBL430MIF7W** | **HBL430P7W** |
| | 3P 4W | | | 3Ø 600V | **HBL430MIF5W** | **HBL430P5W** |
| | 4P 5W | | | 3ØY 277/480V | **HBL530MIF7W** | **HBL530P7W** |
| 60 | 3P 4W | | | 120/240V | **HBL460MIF12W** | **HBL460P12W** |
| | 3P 4W | | | 3Ø 240V | **HBL460MIF9W** | **HBL460P9W** |
| | 3P 4W | | | 3Ø 480V | **HBL460MIF7W** | **HBL460P7W** |
| | 3P 4W | | | 3Ø 600V | **HBL460MIF5W** | **HBL460P5W** |
| | 4P 5W | | | 3ØY 120/208V | **HBL560MIF9W** | **HBL560P9W** |

*Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.*




**HBL430MIF12W**

Gray Style Switch



**HBLACFSNO** **HBL30MIFRS**

Black Style Switch



**ACFSNO**

## Replacement Auxiliary Contacts

| Description | Black Style Switch Catalog Number | Gray Style Switch Catalog Number |
|---|---|---|
| Auxiliary contact, normally open, A600 pilot duty, break before break. | **ACFSNO** | **HBLACFSNO** |
| Auxiliary contact, normally closed, A600 pilot duty, break before break. | **ACFSNC** | **HBLACFSNC** |

*Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.*

## Replacement Switches

| Description | Gray Style Switch Catalog Number |
|---|---|
| For 30A fused switches. | **HBL30MIFRS** |
| For 60A fused switches. Gray Style switch will retro fit Black Style switch. | **HBL60MIFRS** |

## Watertight Closure Plug Kits

| Description | Catalog Number |
|---|---|
| For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks. | **MICPK30** |
| For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks. | **MICPK60** |



**MICPK30**

## Replacement Flip Covers

| Description | Catalog Number |
|---|---|
| For 30A, 3 and 4 wire mechanical interlocks. | **CA3430MI** |
| For 30A, 5 wire mechanical interlocks. | **CA530MI** |
| For 60A mechanical interlocks. | **CA60MI** |



**CA3430MI**

## Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks. | **HBLRFT2**[Δ] |

*Note: [Δ]Package of 10 feet and 10 screws.*



**HBLRFT2**

## Specifications

| Typical Specifications | |
|---|---|
| Manufacturer's Identification | Hubbell HBL460MIF7W |
| Description | Fused Circuit-Lock Pin and Sleeve Mechanical Interlock |
| Electrical Type | 3 Pole + Earth |
| Rating | 60A, 480V AC, 3 Phase |
| Configuration | IEC 60309-2, UL1686C2, Clock Position 7 |
| Enclosure Type | Indoor and Outdoor - 4X (Watertight, Washdown)<br>Indoor - 12 (Dust-tight, Falling dirt) |
| Certification | UL Listed for US and Canada |

## Materials

| Part | Material |
|---|---|
| Base and Top | PBT |
| Handle | PBT |
| Conduit Hub | Zinc, 30A-1", 60A-1¼" NPT |
| Enclosure Gasket | Neoprene |
| Shaft | Brass |
| Shaft Seal | Neoprene |
| Ground Plate | Galvanized Steel |
| Enclosure Screws | Stainless Steel |
| Mounting Inserts | Brass |
| Hinge Pin | Nickel-Plated Brass |
| Hinge Spring | Stainless Steel |

*Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.*

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 3,000V AC Min. |
| Max. Working Voltage | 600V AC. |
| Current Interrupting | Certified for current interrupting at full rated current and voltage. |
| Short Circuit Withstand Rating | Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle. |
| Operations | Mechanical 10,000 cycles minimum. |

| Mechanical | |
|---|---|
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Ratings | Ratings are part of the external label and molded into the receptacle mount and color-coded. |
| Mounting | External adjustment feet. |

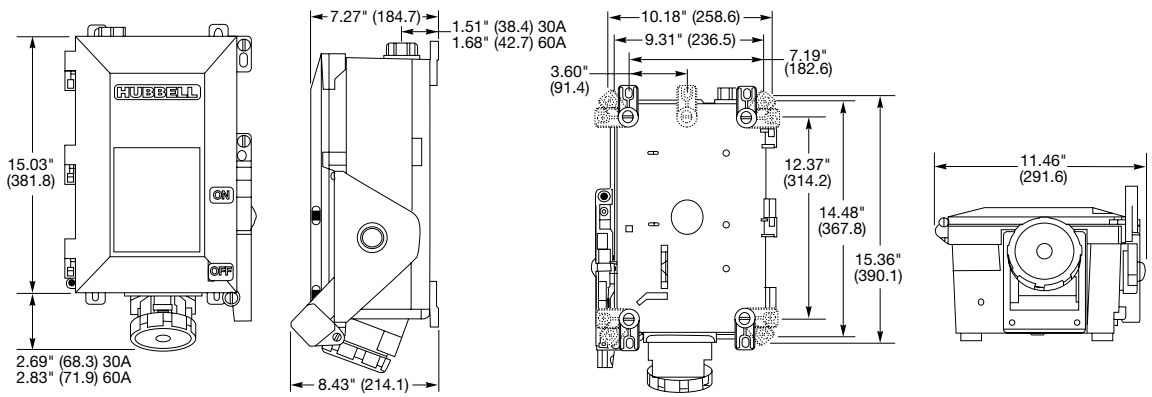
| Environmental | |
|---|---|
| Moisture Resistance | Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt). |
| Ingress Protection | IP66 Suitability. |
| Flammability | UL94-5VA and V-0 Classification. |
| Operating Temperatures | Max. Continuous +75°C; Min. Continuous -40°C. |
| UV Resistance | All materials are UV stabilized. |
| Fuse Types | UL Listed Class "J". CSA Certified HRCI-J. |

## Horsepower Ratings

| Amps | AC Voltage Rating | Standard | Maximum** | Mechanical Interlock | Use Pin and Sleeve Plug |
|---|---|---|---|---|---|
| 30 | 3Ø 600V AC | 7.5 | 20 | **HBL430MIF5W** | **HBL430P5W** |
| 30 | 3Ø 480V AC | 5 | 15 | **HBL430MIF7W** | **HBL430P7W** |
| 30 | 3Ø 240V | 3 | 7.5 | **HBL430MIF9W** | **HBL430P9W** |
| 30 | 120/240V AC | 1.5* | 3* | **HBL430MIF12W** | **HBL430P12W** |
| 30 | 3ØY 277/480V | 5 | 15 | **HBL530MIF7W** | **HBL530P7W** |
| 60 | 3Ø 600V AC | 15 | 50 | **HBL460MIF5W** | **HBL460P5W** |
| 60 | 3Ø 480V AC | 15 | 30 | **HBL460MIF7W** | **HBL460P7W** |
| 60 | 3Ø 240V AC | 7.5 | 15 | **HBL460MIF9W** | **HBL460P9W** |
| 60 | 120/240V AC | 3* | 10* | **HBL460MIF12W** | **HBL460P12W** |
| 60 | 3ØY 120/208V | 7.5 | 15 | **HBL560MIF9W** | **HBL560P9W** |

*Note: *208-240V AC L-L.*
***Requires time delay fuses.*

## Dimensions




*Dimensions in Inches (mm)*



BB60N



BB301W



BB601WSS



CAP60



FW6010055



FT202W



FW60100



AA2030PS

## Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

### Non-Metallic 15º Angle Back Box

| Description | NPT Hub Size* | Catalog Number |
|---|---|---|
| Back box for 16, 20, 30 and 32A devices. | 1" | **BB2030N** |
| Back box for 60 and 63A devices. | 1¼" | **BB60N** |
| Back box for 100 and 125A devices. | 1½" | **BB100N** |

*Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1¼ in. = 1705, 1½ in. = 1706. These boxes meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.*

### Metallic 15º Angle Back Box and Adapter**

| Description | NPT Hub Size | Stainless Steel | Cast Iron |
|---|---|---|---|
| Back box for 16, 20, 30 and 32A devices. | ¾" | **BB201WSS** | **BB201W** |
| | 1" | **BB301WSS** | **BB301W** |
| Back box for 60 and 63A devices. | 1¼" | **BB601WSS** | **BB601W** |
| | 1½" | **–** | **BB602W** |
| Back box for 100 and 125A devices. | 1½" | **BB1001WSS** | **BB1001W** |
| | 2" | **BB1002WSS** | **BB1002W** |
| Angle adapter only for 60, 63, 100 and 125A devices. | – | **–** | **AA6010015** |

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

### Adapter Plates

Required to mount Hubbell-PRO receptacles and inlets to Hubbell Back Boxes

| Description | Catalog Number |
|---|---|
| For Use with 16A, 20A, 30A and 32A | **CAP2030** |
| For Use with 60A and 63A | **CAP60** |
| For Use with 100A and 125A | **CAP100** |

### Metallic 55º Angle Back Box and Adapter**

| Description | NPT Hub Size | Catalog Number |
|---|---|---|
| Feed-thru box back box and adapter for 16, 20, 30 and 32A devices. | 1" | **AB203055** |
| Angle adapter only. | – | **AA203055** |
| Back box and adapter for 60, 63, 100 and 125A devices. | 1½" | **FW6010055** |
| Angle adapter only. | – | **AA6010055** |

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

### Metallic Feed-Thru Back Box**

| Description | NPT Hub Size | Catalog Number |
|---|---|---|
| Feed-thru box for 16, 20, 30 and 32A devices. | ¾" | **FT202W** |
| | 1" | **FT302W** |

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

### Metallic Four-Way 15º Angle Back Box**

| Description | NPT Hub Size | Catalog Number |
|---|---|---|
| Four-way box for 60, 63, 100 and 125A devices. | 1½" | **FW60100** |

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

### Straight Wall Box Adapter

| Description | Catalog Number |
|---|---|
| Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to 2-gang, device boxes and FD boxes. | **HBL2030AP** |

### Angle Wall Box Adapter

| Description | Catalog Number |
|---|---|
| Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to standard wall boxes. | **AA2030PS** |

*Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 4$^{11}/_{16}$ inch square for non-watertight applications.*

## Accessories

### Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

| Description | Catalog Number |
|---|---|
| Fits all 16 and 20A, 3 wire plugs and inlets. | **PC320** |
| Fits all 16 and 20A, 4 wire plugs and inlets. | **PC420** |
| Fits all 16 and 20A, 5 wire plugs and inlets. | **PC520** |
| Fits all 30 and 32A, 3 and 4 wire plugs and inlets. | **PC3430** |
| Fits all 30 and 32A, 5 wire plugs and inlets. | **PC530** |
| Fits all 60 and 63A plugs and inlets. | **PC60** |
| Fits all 100 and 125A plugs and inlets. | **PC100** |



**PC3430**

### Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Exact replacement cover assemblies required to maintain proper water ingress. They are not reverse compatible. Replacement covers are not interchangeable. Kit contains cover, arm assembly and installation tool.

| Description | IP67 Catalog Number | IP69k/4X Catalog Number |
|---|---|---|
| Fits all 16 and 20A, 3 wire watertight female devices. | **CA320** | **HBLCA320** |
| Fits all 16 and 20A, 4 wire watertight female devices. | **CA420** | **HBLCA420** |
| Fits all 16 and 20A, 5 wire watertight female devices. | **CA520** | **HBLCA520** |
| Fits all 30 and 32A, 3 and 4 wire watertight female devices. | **CA3430** | **HBLCA3430** |
| Fits all 30 and 32A, 5 wire watertight female devices. | **CA530** | **HBLCA530** |
| Fits all 60 and 63A watertight female devices. | **CA60** | **HBLCA60** |
| Fits all 100 and 125A watertight female devices. | **CA100** | **HBLCA100** |



**CA60**



**HBLCA60**

### Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

| Description | Cord Clamp and Locking Ring | Locking Ring Only |
|---|---|---|
| Fits all 16 and 20A, 3 wire plugs, connectors and inlets. | **CC320** | **LR320*** |
| Fits all 16 and 20A, 4 wire plugs, connectors and inlets. | **CC420** | **LR420*** |
| Fits all 16 and 20A, 5 wire plugs, connectors and inlets. | **CC520†** | **LR520*** |
| Fits all 30 and 32A, 3 and 4 wire plugs, connectors and inlets. | **CC3430** | **LR3430*** |
| Fits all 30 and 32A, 5 wire plugs, connectors and inlets. | **CC530†** | **LR530*** |
| Fits all 60 and 63A plugs, connectors and inlets. | **CC60** | **LR60*** |
| Fits all 100 and 125A plugs, connectors and inlets. | **CC100** | **LR100*** |

*Note: *Locking Ring only for plugs and inlets.*
*†Consult factory.*



**CC3430**



**LR3430**

### Liquidtight Adapters

Machined aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems® liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of NPT sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

| Rating of Hubbell Pin and Sleeve Device | Liquidtight Conduit Size | Liquidtight Adapters | | Optional Kellems Liquidtight Conduit Grip |
|---|---|---|---|---|
| | | Aluminum | Non-Metallic | |
| 16 and 20 Amp 3 and 4 Wire | ½" NPT | **SAA12** | **—** | **074093402** |
| | ¾" NPT | **SAA34** | **—** | **074093403** |
| 16 and 20 Amp 5 wire and 30 and 32 Amp 3 and 4 wire | ½" NPT | **SAB12** | **—** | **074093402** |
| | ¾" NPT | **SAB34** | **—** | **074093403** |
| | 1" NPT | **SAB100** | **—** | **074093404** |
| 30 and 32 Amp 5 wire and 60 and 63 Amp (all) | ½" NPT | **SAC12** | **SAC12NM** | **074093402** |
| | ¾" NPT | **SAC34** | **SAC34NM** | **074093403** |
| | 1" NPT | **SAC100** | **SAC100NM** | **074093404** |
| | 1¼" NPT | **SAC125** | **—** | **074093405** |
| 100 and 125 Amp (all) | 1¼" NPT | **SAD125** | **—** | **074093405** |
| | 1½" NPT | **SAD150** | **—** | **074093406** |



**SAB34**



**074093403**

## Features and Benefits

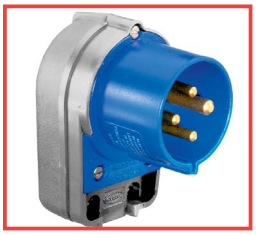
### 20 and 30 Amps Low Profile

Hubbell's Low Profile Pin and Sleeve devices were designed to save space without sacrificing pin and sleeve strength, safety and convenience. The small compact design of these plugs is ideal for indoor applications where space is at a premium.

These devices are fully interchangeable with standard IEC 60309 pin and sleeve. They are a perfect fit for tight situations frequently found in hotels, restaurants, convention centers, warehouses, assembly benches and offices.

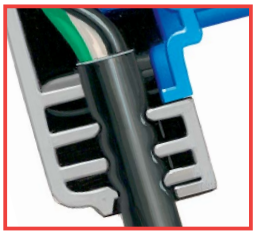






**Housing Design**

- Nylon construction, both interior and exterior are made of tough, durable nylon
- Shrouded, recessed pins are protected from impact and abuse



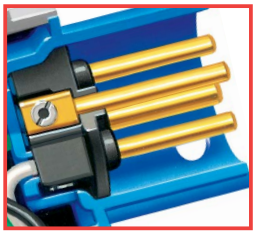
**Cord Grip**

- Integrated cord grip limits strain on terminals, keeps cord connected



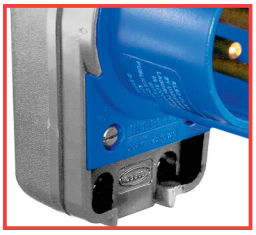
**Safety**

- Large markings for easy recognition results in ease of wiring on the assembly line or in the field
- Shroud protects personnel from exposure to arcing



**Brass Box Terminal**

- Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity
- Solid one-piece pins construction, for long life, reliable electrical contact and maximum conductivity



**Identification**

- Color coding for quick, easy visual identification of mating devices
- Ratings and certification are molded into the nylon housing for easy identification and reordering



**Split Sleeves**

- Self-adjusting stainless steel springs assure constant contact pressure (20A and 30A). On 60A devices, Beryllium copper insert with multiple contact points assures easy insertion and a tight fit
- Stainless steel terminal screws resist rust and corrosion

## Low Profile Devices

| Rating | | | | | Devices | | Cord Diameter |
|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage |  Plug |  Receptacle |  Min. Max. Inches (mm) |
| 20 | 3P 4W |  |  | 3Ø 250V | — | **L420R9** | .350" - .710" (8.3 - 15.9) |
| 30 | 3P 4W |  |  | 125/250V | **L430P12** | **L430R12** | .390" - .775" (9.9 - 19.7) |
| 30 | 3P 4W |  |  | 3Ø 250V | **L430P9** | **L430R9** | .390" - .775" (9.9 - 19.7) |
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage |  Plug |  Receptacle |  Min. Max. Inches (mm) |
| 60 | 3P 4W |  |  | 3Ø 250V | **A460P9** | **A460R9** With Cover: **A460R9KIT** | .75" - 1.25" (19.1 - 31.8) |
| Amps | Poles and Wires | Configuration Recep./ Conn. | Plug/ Inlet | AC Voltage |  Plug |  Receptacle |  Min. Max. Inches (mm) |
| 60 | 4P 5W |  |  | 3ØY 120/208V | **A560P9** | **HBL560R9W** | .89" - 1.42" (22.6 - 36.1) |
| 100 | 4P 5W |  |  | 3ØY 120/208V | **A5100P9** | **HBL5100R9W** | 1.34" - 1.50" (34.0 - 38.1) |

## Specifications

| Electrical | |
|---|---|
| Dielectric Withstand Voltage | 3000V AC |
| Max. Working Voltage | 250V RMS |
| Current Interrupting | Certified for current interruption at full rated current. |
| Temperature Rise | Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%. |
| Endurance | Up to 5,000 connect and disconnect cycles at full rated current and voltage. |

| Mechanical | |
|---|---|
| Impact Resistance | Per CSA C22.2 No. 182.1 / UL1682 |
| Cord Grip Cable Retention | Per CSA C22.2 No. 182.1 / UL1682 |
| Cord Accommodation | Round portable service cords of diameters commensurate with the device rating as defined in UL standard 62, CSA C22.2 No. 49 and the <HAR> European Standards. |
| Terminal Identification | Terminals identified in accordance with North American convention. |
| Product Identification | Ratings are a permanent part of the device housing. |

| Environmental | |
|---|---|
| Flammability | HB or better per UL94 or CSA C22.2 No. 0.17 |
| Ingress Protection | IP22 Suitability |
| Operating Temperatures | Maximum Continuous 75° C; Minimum -40°C without impact |

## Application Guide

| | |
|---|---|
| Agriculture | Indoor location and maintenance. |
| Chemical Processing | Indoor location and maintenance. |
| Construction | Indoors for added safety and abuse resistance. |
| Entertainment | Indoor location and maintenance. |
| Food Service | Food service areas where aesthetics and space are concerns. |
| Light Manufacturing | Indoor locations and maintenance. |
| Manufacturing | Light assembly areas, stamping operations and maintenance areas. |
| Military | Warehouse and maintenance areas. |

## Materials

| Plug | Material |
|---|---|
| Case | PBT |
| Shroud | PBT |
| Pin Carrier 20 & 30A | PBT |
| Pin and Carrier 60A | High-Impact Thermoset |
| Pins | Brass CDA#360 |
| Assembly Screws | Stainless Steel (300 series) |
| Terminal Screws | Stainless Steel (300 series) |

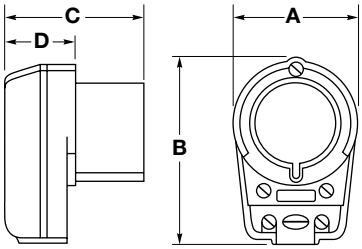
| Receptacle | |
|---|---|
| Body | PBT |
| Sleeve Carrier 20 & 30A | PBT |
| Sleeve Carrier 60A | High-Impact Thermoset |
| Sleeves | Brass CDA #360 |
| Assembly Screws | Stainless Steel (300 series) |
| Terminal Screws | Stainless Steel (300 series) |
| Adapter Plate 20 & 30A | Galvanized Steel |
| Adapter Plate 60A | Aluminum |
| Wall Trim Plate | PBT |
| Panel Mount Trim Plate | Stainless Steel (300 series) |

*Note: See page G-29 for product dimensions.*

## Plug Dimensions

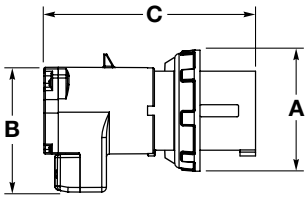
| Type | A | B | C | D | Cord Range Diameter |
|---|---|---|---|---|---|
| **L430P12** | 2.97" (75.4) | 4.18" (106.2) | 3.50" (88.9) | 1.71" (43.4) | .390"-.775" (9.9-19.7) |
| **A460P9** | 3.38" (85.9) | 4.25" (108.0) | 7.00" (177.8) | – | .75"-1.25" (19.1- 31.8) |
| **A5100P9** | 4.92" (125.00) | 5.07" (128.81) | 8.60" (218.35) | – | 1.34"-1.50" (34.0- 38.1) |

Plugs

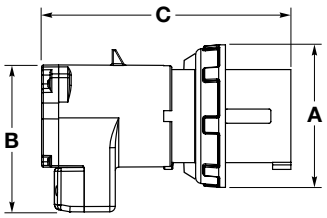



30A

Angled Plugs




60A

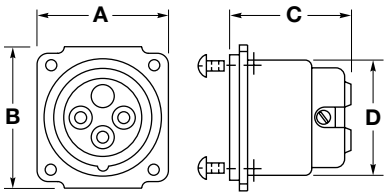



100A

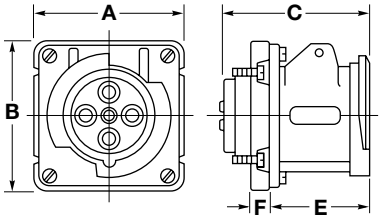
## Wall Mount Receptacle Dimensions

| Type | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| **L420R9** | 2.60" (66.0) | 2.81" (71.4) | 2.28" (57.9) | 2.38" (60.5) | – | – |
| **L430R12** | 3.12" (79.2) | 3.12" (79.2) | 2.77" (70.4) | 2.76" (70.1) | – | – |
| **A460R9** | 4.50" (114.3) | 4.50" (114.3) | 4.48" (113.8) | – | 3.62" (91.9) | .50" (12.7) |

Wall Mount Receptacles

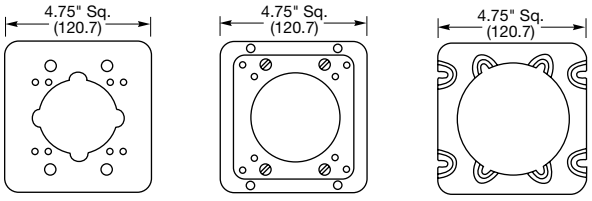



20 and 30A




60A

Adapter Plate (Included with "L" and "A" series receptacles)

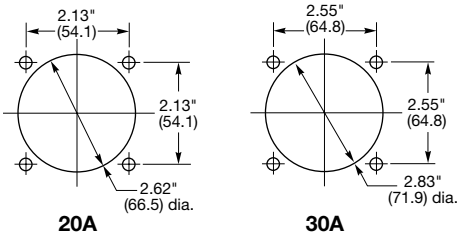



**20A**
Mounting
2-gang box

**30A**
Mounting
2-gang box

**60A**
Mounting
2-gang box
and 4 11/16" box

Panel Cutout

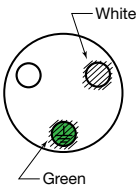
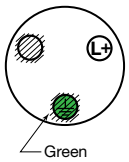
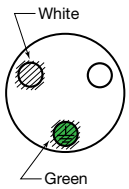
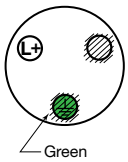
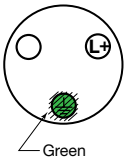
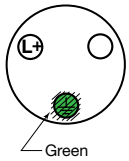
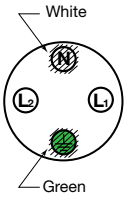
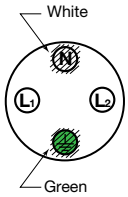
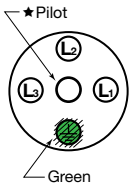
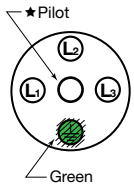
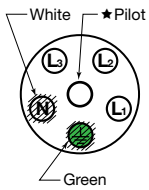
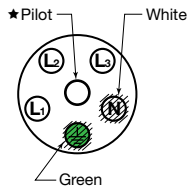



**20A**

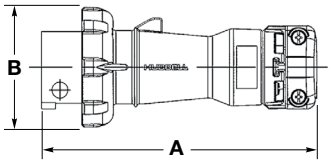
**30A**

*Dimensions in Inches (mm)*

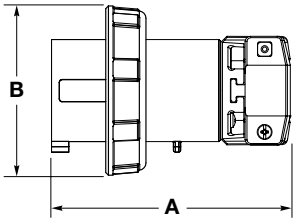
## IEC Pin and Sleeve Terminal Identification – Rear View

| Description | Rating | | Terminal Marking Pattern* | | | |
|---|---|---|---|---|---|---|
| | | | Receptacle and Connector | | Plug and Inlet | |
| | Domestic | International | Domestic | International | Domestic | International |
| 3 Wire | 125V AC<br>277V AC | 100-130V |  |  |  |  |
| 3 Wire | 250V AC<br>480V AC<br>600V AC | 200-250V<br>380-415V AC |  | |  | |
| 4 Wire | 125/250V AC<br>1ØY 120/208V | — |  | |  | |
| 4 Wire | (3Ø Δ)<br>250V AC<br>480V AC<br>600V AC | 380-415V AC |  | |  | |
| 5 Wire | (3ØY)<br>120/208V AC<br>277/480V AC<br>347/600V AC | 220/380V 50Hz<br>250/440V 60Hz<br>200/346V to<br>240/415V<br>50 and 60Hz |  | |  | |

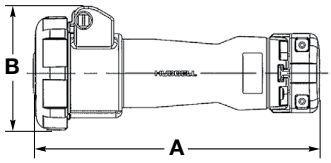
*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
*★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.*



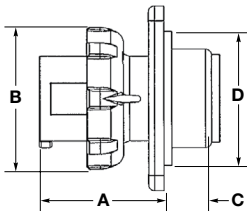
Plug

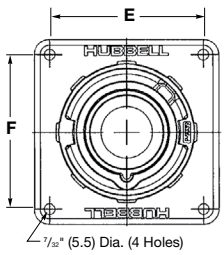


Short Housing Plug

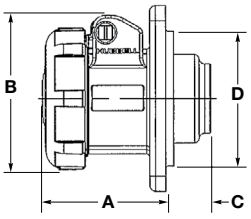


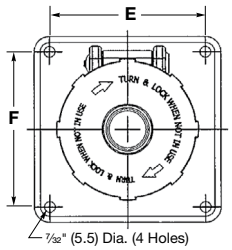
Connector Body



Inlet



Receptacle

*Dimensions in Inches (mm)*

## Plug Dimensions

| Type | A | B | Cord Grip Range |
|---|---|---|---|
| **HBL320P** | 6.61" (167.8) | 2.87" (73.0) | .330"-.830" (8.4-21.1) |
| **HBL420P** | 7.00" (177.8) | 3.19" (81.0) | .330"-.830" (8.4-21.1) |
| **HBL520P** | 7.65" (194.3) | 3.50" (89.0) | .330"-.830" (8.4-21.1) |
| **HBL330P** | 8.05" (204.5) | 3.74" (95.0) | .375"-1.250" (9.5-31.8) |
| **HBL430P** | 8.05" (204.5) | 3.74" (95.0) | .375"-1.250" (9.5-31.8) |
| **HBL530P** | 8.54" (216.9) | 4.02" (102.0) | .500"-1.450" (12.7-36.8) |
| **HBL360P, HBL460P, HBL560P** | 10.15" (257.8) | 4.49" (114.0) | .500"-1.450" (12.7-36.8) |
| **HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P** | 12.63" (320.8) | 4.92" (125.0) | 1.065"-1.940" (27.1-49.3) |

## Short Housing Plug Dimensions

| Type | A | B | Cord Grip Range |
|---|---|---|---|
| **HBL5100P9WSH** | 8.30" (210.82) | 4.92" (125.0) | 1.065"-1.940" (27.1-49.3) |

## Connector Body Dimensions

| Type | A | B | Cord Grip Range |
|---|---|---|---|
| **HBL320C** | 7.21 (183.1) | 3.10 (78.9) | .330"-.830" (8.4-21.1) |
| **HBL420C** | 7.57 (192.3) | 3.43 (87.2) | .330"-.830" (8.4-21.1) |
| **HBL520C** | 8.24 (209.2) | 3.71 (94.3) | .330"-.830" (8.4-21.1) |
| **HBL330C** | 8.24 (209.2) | 3.71 (94.3) | .375"-1.250" (9.5-31.8) |
| **HBL430C** | 8.69 (220.6) | 3.74 (95.0) | .375"-1.250" (9.5-31.8) |
| **HBL530C** | 9.33 (237.0) | 4.02 (102.1) | .500"-1.450" (12.7-36.8) |
| **HBL360C, HBL460C, HBL560C** | 10.75 (272.9) | 4.39 (111.5) | .500"-1.450" (12.7-36.8) |
| **HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C** | 13.14 (333.8) | 5.06 (128.5) | 1.065"-1.940" (27.1-49.3) |

## Inlet Dimensions

| Type | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| **HBL320B** | 2.54" (64.5) | 1.85" (47.0) | 1.14" (29.0) | 2.72" (69.0) | 3.75" (95.3) | 3.13" (79.5) |
| **HBL420B** | 2.54" (64.5) | 2.11" (53.6) | 1.14" (29.0) | 2.72" (69.0) | 3.75" (95.3) | 3.13" (79.5) |
| **HBL520B** | 2.54" (64.5) | 2.41" (61.2) | 1.14" (29.0) | 2.72" (69.0) | 3.75" (95.3) | 3.13" (79.5) |
| **HBL330B** | 2.99" (76.0) | 2.49" (63.2) | 1.04" (26.5) | 2.72" (69.0) | 3.75" (95.3) | 3.13" (79.5) |
| **HBL430B** | 2.99" (76.0) | 2.49" (63.2) | 1.04" (26.5) | 2.72" (69.0) | 3.75" (95.3) | 3.13" (79.5) |
| **HBL530B** | 2.99" (76.0) | 2.75" (69.9) | 1.04" (26.5) | 2.80" (71.0) | 3.75" (95.3) | 3.13" (79.5) |
| **HBL360B, HBL460B, HBL560B** | 4.04" (102.6) | 2.97" (75.5) | 1.18" (30.0) | 3.46" (88.0) | 4.50" (114.3) | 3.88" (98.5) |
| **HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B** | 4.53" (115) | 3.44" (87.5) | 1.95" (49.5) | 3.94" (100.0) | 5.50" (139.7) | 4.88" (124.0) |

## Receptacle Dimensions

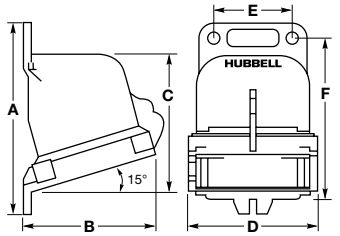
| Type | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| **HBL320R** | 2.47 (62.8) | 3.10 (78.9) | .91 (23.0) | 2.71 (68.9) | 3.75 (95.3) | 3.13 (79.4) |
| **HBL420R** | 2.46 (62.4) | 3.43 (87.2) | .91 (23.0) | 2.71 (68.9) | 3.75 (95.3) | 3.13 (79.4) |
| **HBL520R** | 2.50 (63.4) | 3.71 (94.3) | .90 (22.9) | 2.71 (68.9) | 3.75 (95.3) | 3.12 (79.3) |
| **HBL330R** | 2.74 (69.7) | 3.74 (95.0) | 1.04 (26.5) | 2.71 (68.9) | 3.75 (95.3) SQ | 4X 3.13 (79.4) SQ |
| **HBL430R** | 2.74 (69.7) | 3.74 (95.0) | 1.04 (26.5) | 2.71 (68.9) | 3.75 (95.3) SQ | 4X 3.13 (79.4) SQ |
| **HBL530R** | 2.75 (69.7) | 4.02 (102.1) | 1.04 (26.5) | 2.83 (71.9) | 3.75 (95.3) SQ | 3.13 (79.4) SQ |
| **HBL360R, HBL460R, HBL560R** | 3.67 (93.2) | 4.39 (111.5) | 1.57 (40.0) | 3.45 (87.7) | 4.50 (114.3) SQ | 3.88 (98.4) SQ |
| **HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R** | 3.78 (96.1) | 5.07 (128.7) | 2.30 (58.5) | 3.93 (99.8) | 4.87 (123.7) SQ | 5.50 (139.7) SQ |

*Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.*

## Non-Metallic 15º Angle Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| Back box for 16, 20, 30 & 32A devices. | 1" | 5.67" (144.0) | 4.44" (112.8) | 4.05" (102.9) | 3.91" (99.3) | 2.35" (59.7) | 4.92" (125.0) | 30.00" | **BB2030N** |
| Back box for 60 & 63A devices. | 1¼" | 7.76" (197.0) | 5.16" (131.0) | 5.87" (149.0) | 4.72" (120.0) | 2.99" (76.0) | 6.94" (176.0) | 70.00" | **BB60N** |
| Back box for 100 & 125A devices. | 1½" | 8.21" (209.0) | 6.23" (158.0) | 6.31" (160.3) | 5.71" (145.0) | 3.99" (101.0) | 7.41" (188.0) | 120.00" | **BB100N** |

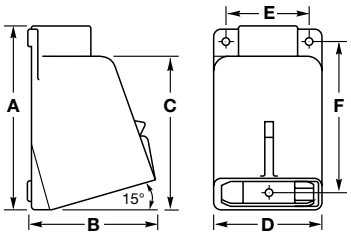
*Note: *Hub is not included; order one of the following Raco® part numbers: 1 inch = 1704, 1¼ inch = 1705, 1½ inch = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.*



Non-Metallic Angle Box

## Metallic 15º Angle Back Box

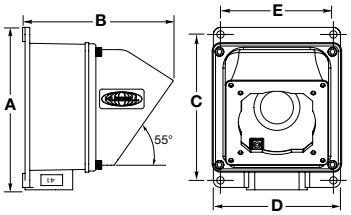
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| Back box for 16, 20, 30 & 32A devices. | ¾" | 5.12" (130.2) | 4.00" (101.6) | 4.19" (106.4) | 3.75" (95.3) | 3.00" (76.2) | 4.00" (101.6) | 30.00" | **BB201W** |
| Back box for 16, 20, 30 & 32A devices. | 1" | 5.12" (130.2) | 4.00" (101.6) | 4.19" (106.4) | 3.75" (95.3) | 3.00" (76.2) | 4.00" (101.6) | 30.00" | **BB301W** |
| Back box for 60 & 63A devices. | 1¼" | 7.25" (184.2) | 5.25" (133.4) | 6.00" (152.4) | 4.50" (114.3) | 3.75" (95.3) | 6.19" (157.2) | 80.00" | **BB601W** |
| Back box for 60 & 63A devices. | 1½" | 7.25" (184.2) | 5.25" (133.4) | 6.00" (152.4) | 4.50" (114.3) | 3.75" (95.3) | 6.19" (157.2) | 80.00" | **BB602W** |
| Back box for 100 &125A devices. | 1½" | 8.12" (206.4) | 6.75" (171.5) | 6.88" (174.6) | 5.50" (139.7) | 4.75" (120.7) | 6.94" (176.2) | 130.00" | **BB1001W** |
| Back box for 100 & 125A devices. | 2" | 8.12" (206.4) | 6.75" (171.5) | 6.88" (174.6) | 5.50" (139.7) | 4.75" (120.7) | 6.94" (176.2) | 130.00" | **BB1002W** |



Metallic 15º Angle Box

## Metallic 55º Angle Back Box and Adapter

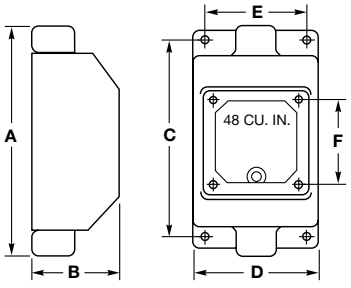
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| Feed-thru box and angle adapter for 16, 20, 30 & 32A devices. | 1" | 6.80" (172.4) | 6.60" (167.0) | 5.63" (142.9) | 4.50" (114.3) | 3.74" (95.0) | – | 42.27" | **AB203055** |
| Angle adapter for 16, 20, 30 & 32A devices. | – | 4.89" (124.3) | 3.33" (84.6) | 4.29" (109.0) | 3.75" (95.2) | 2.50" (63.5) | – | 25.00" | **AA203055** |
| Back box and angle adapter for 60, 63, 100 & 125A devices. | 1½" | 8.50" (215.9) | 8.00" (202.9) | 7.75" (196.8) | 6.90" (174.8) | 6.00" (152.4) | – | 100.00" | **FW6010055** |
| Angle adapter for 60, 63, 100 & 125A devices. | – | 6.75" (171.4) | 4.48" (113.7) | 6.00" (152.4) | 6.75" (171.4) | 6.00" (152.4) | – | 79.00" | **AA6010055** |



Metallic 55º Angle Box

## Metallic Feed-Thru Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| Feed-thru box for 16, 20, 30 & 32A devices. | ¾" | 8.25" (209.6) | 3.06" (77.8) | 7.14" (181.4) | 4.50" (114.3) | 3.75" (95.3) | 3.13" (79.5) | 48.00" | **FT202W** |
| Feed-thru box for 16, 20, 30 & 32A devices. | 1" | 8.25" (209.6) | 3.06" (77.8) | 7.14" (181.4) | 4.50" (114.3) | 3.75" (95.3) | 3.13" (79.5) | 48.00" | **FT302W** |

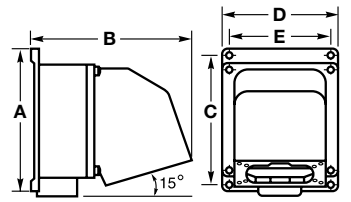


Metallic Feed-Thru Box

## Metallic Four-Way 15º Angle Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| Four-way box for 60, 63, 100 & 125A devices. | 1½" | 8.75" (222.3) | 9.75" (247.7) | 7.75" (196.9) | 6.75" (171.5) | 6.00" (152.4) | – | 210.00" | **FW60100** |

*Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.*



Metallic Four-Way Angle Box

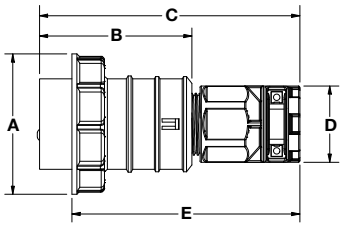
*Dimensions in Inches (mm)*

## Watertight Series

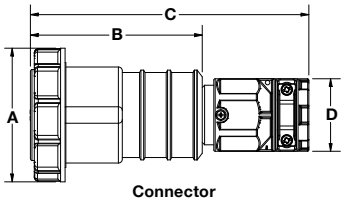
## Product Dimensions Inches (mm)

| Plug | A Inches (mm) | B Inches (mm) | C Inches (mm) | D Inches (mm) | E Inches (mm) |
|---|---|---|---|---|---|
| C320P | 2.78" (70) | 3.62" (94) | 5.98" (152) | 1.73" (44) | 5.20" (132) |
| C420P | 2.78" (70) | 3.7" (94) | 6.3" (160) | 1.73" (44) | 5.39" (137) |
| C520P | 3.41" (86) | 3.61" (92) | 6.34" (161) | 1.85" (47) | 5.55" (141) |
| C330P, C430P | 3.7" (94) | 4.49" (114) | 8.03" (204) | 2.32" (59) | 6.81" (173) |
| C530P | 4.0" (101) | 4.49" (114) | 8.11" (206) | 2.32" (59) | 6.73" (171) |
| C360P, C460P, C560P | 4.47" (114) | 6.0" (153) | 10.24" (260) | 2.83" (72) | 8.19" (208) |
| C3100P, C4100P, C5100P | 4.94" (126) | 6.73" (171) | 12.13" (308) | 3.58" (91) | 9.88" (251) |
| C316P | 2.78" (70) | 3.62" (94) | 5.21" (132) | 1.73" (44) | 4.53" (115) |
| C416P | 2.78" (70) | 3.62" (94) | 5.21" (132) | 1.85" (47) | 4.3" (109) |
| C516P | 3.41" (86) | 3.62" (94) | 5.43" (138) | 1.73" (44) | 4.26" (108) |
| C332P, C432P | 3.7" (94) | 4.49" (114) | 6.54" (166) | 2.32" (59) | 5.44" (138) |
| C532P | 4.0" (101) | 4.49" (114) | 6.54" (166) | 2.32" (59) | 5.16" (131) |
| C363P, C463P, C563P | 4.47" (114) | 6.0" (153) | 8.44" (214) | 2.83" (72) | 6.39" (162) |
| C3125P, C4125P, C5125P | 4.94" (126) | 6.73" (171) | 9.77" (248) | 3.58" (91) | 7.52" (191) |
| **Connector** | | | | | |
| C320C | 2.78" (70) | 4.29" (109) | 6.77" (172) | 1.73" (44) | |
| C420C | 3.09" (78) | 4.29" (109) | 6.89" (175) | 1.85" (47) | |
| C520C | 3.41" (86) | 4.41" (112) | 7.2" (183) | 1.73" (44) | |
| C330C, C430C | 3.7" (94) | 5.35" (136) | 8.78" (223) | 2.32" (59) | |
| C530C | 4.0" (101) | 5.35" (136) | 8.98" (228) | 2.32" (59) | |
| C360P, C460P, C560P | 4.37" (111) | 6.85" (174) | 11.06" (285) | 2.83" (72) | |
| C3100C, C4100C, C5100C | 4.92" (125) | 7.44" (189) | 12.83" (326) | 3.58" (91) | |
| C316C | 2.78" (70) | 4.29" (109) | 5.88" (149) | 1.73" (44) | |
| C416C | 3.7" (94) | 4.29" (109) | 5.88" (149) | 1.85" (47) | |
| C516C | 4.0" (101) | 4.41" (112) | 6.22" (157) | 1.73" (44) | |
| C332C, C432C | 4.37" (111) | 5.35" (136) | 7.44" (187) | 2.32" (59) | |
| C532C | 4.37" (111) | 5.35" (136) | 7.4" (187) | 2.32" (59) | |
| C363C, C463C, C563C | 4.37" (111) | 6.85" (174) | 9.29" (235) | 2.83" (72) | |
| C3125C, C4125C, C5125C | 4.92" (125) | 7.44" (189) | 10.48" (266) | 3.58" (91) | |
| **Receptacle** | | | | | |
| C316R, C320R | 2.78" (70) | 2.83" (72) | 2.95" (75) | 2.17" (55) | 0.22" (5) |
| C416R, C420R | 3.09" (78) | 3.23" (82) | 2.95" (75) | 2.24" (57) | 0.22" (5) |
| C516R, C520R | 3.39" (86) | 2.83" (72) | 2.95" (75) | 2.17" (55) | 0.22" (5) |
| C330R, C430R, C332R, C432R | 3.7" (94) | 4.25" (108) | 2.95" (75) | 2.68" (68) | 0.22" (5) |
| C530R, C532R | 3.98" (101) | 4.33" (110) | 2.95" (75) | 2.52" (64) | 0.22" (5) |
| All 60A & 63A | 4.37" (111) | 5.2" (132) | 3.94" (100) | 2.95" (75) | 0.26" (6) |
| All 100 & 125A | 4.92" (125) | 6.42" (163) | 4.72" (120) | 4.53" (115) | 0.28" (7) |
| **Inlet** | | | | | |
| C316B, C320B | 3.35" (85) | 0.25" (6) | 4.06" (103) | 3.31" (84) | 3.5" (89) |
| C416B, C420B | 3.35" (85) | 0.25" (6) | 4.29" (109) | 3.46" (88) | 3.7" (94) |
| C516B, C520B | 3.35" (85) | 0.25" (6) | 4.53" (115) | 3.66" (93) | 3.9" (99) |
| C330B, C430B, C332B, C432B | 3.35" (85) | 0.25" (6) | 4.72" (120) | 3.78" (96) | 4.06" (103) |
| C530B, C532B | 3.35" (85) | 0.25" (6) | 5.28" (134) | 4.17" (106) | 4.45" (113) |
| All 60A & 63A | 3.94" (100) | 0.26" (7) | 6.1" (155) | 4.65" (118) | 4.92" (125) |
| All 100 & 125A | 4.72" (120) | 0.26" (7) | 5.91" (150) | 5.12" (130) | 5.35" (136) |
| **Angled Receptacle** | | | | | |
| C316AR, C320AR | 2.44" (62) | 0.22" (5) | 3.23" (82) | 2.09" (53) | 3.19" (81) |
| C416AR, C420AR | 3.62" (92) | 0.22" (5) | 3.27" (83) | 2.2" (56) | 3.43" (87) |
| C516AR, C520AR | 3.35" (85) | 0.22" (5) | 3.46" (88) | 2.32" (59) | 3.82" (97) |
| C330AR, C332AR, C430AR, C432AR | 3.35" (85) | 0.22" (5) | 4.76" (121) | 2.72" (69) | 4.02" (102) |
| C530AR, C532AR | 3.35" (85) | 0.22" (5) | 4.61" (117) | 2.72" (69) | 4.37" (111) |
| All 60AR | 4.49" (114) | 0.26" (6) | 5.67" (144) | 3.15" (80) | 4.69" (119) |
| All 100AR | 4.49" (114) | 0.26" (6) | 6.81" (173) | 3.5" (89) | 5.28" (134) |

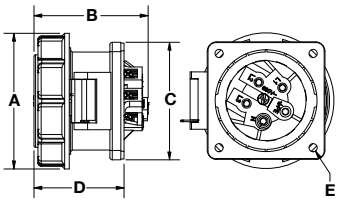
**IP67**
**SUITABILITY**



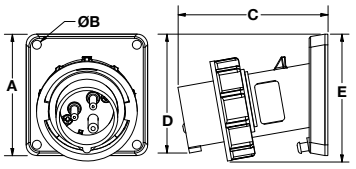
Plug



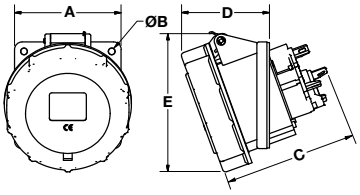
Connector



Receptacle



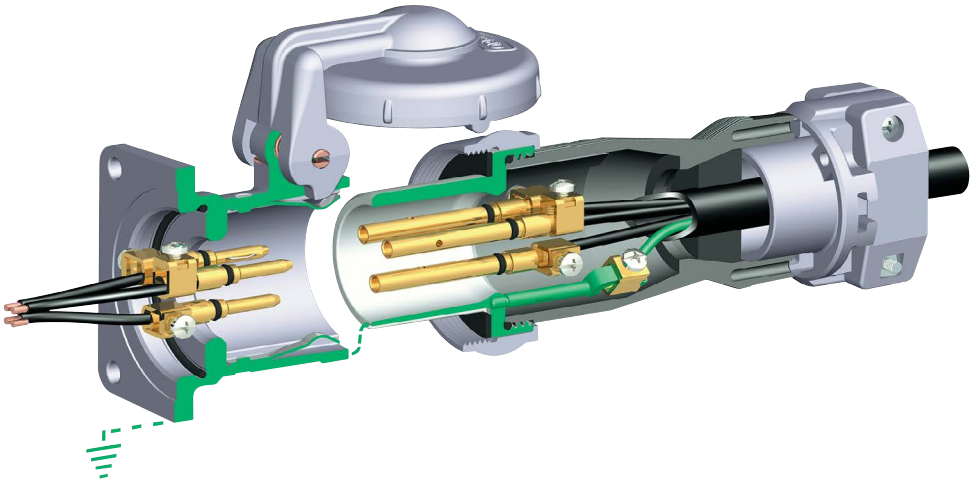
Inlet
Front & Side View



Angled Receptacle
Front & Side View

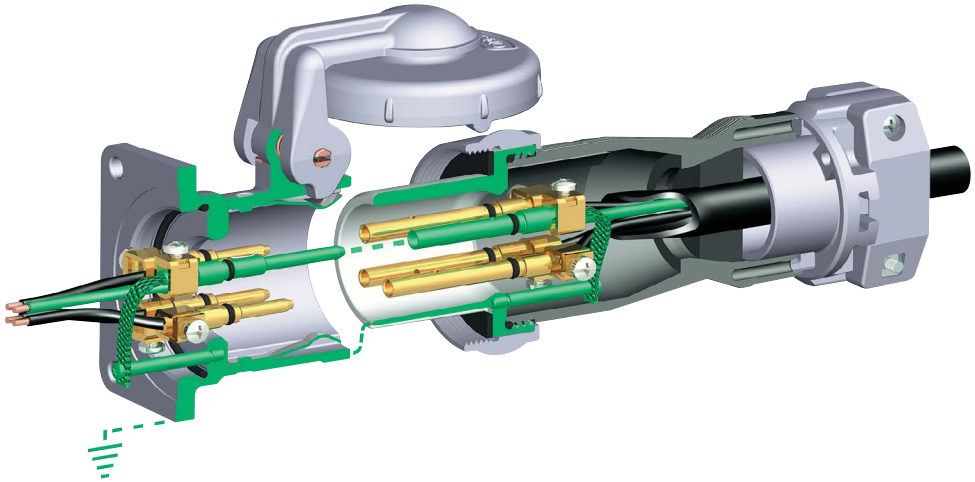
## Ground Path

To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.



### Style I

Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.



### Style II

The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they “make first" and “break last," assuring protection for people and equipment.

## New Pole and Wire Terminology

| Style I | | | Style II | | |
|---|---|---|---|---|---|
| New | Old | No. of Contacts | New | Old | No. of Contacts |
| 2P 3W | 2W 2P | 2 | 2P 3W | 2W 3P | 3 |
| 3P 4W | 3W 3P | 3 | 3P 4W | 3W 4P | 4 |
| 4P 5W | 4W 4P | 4 | | | |

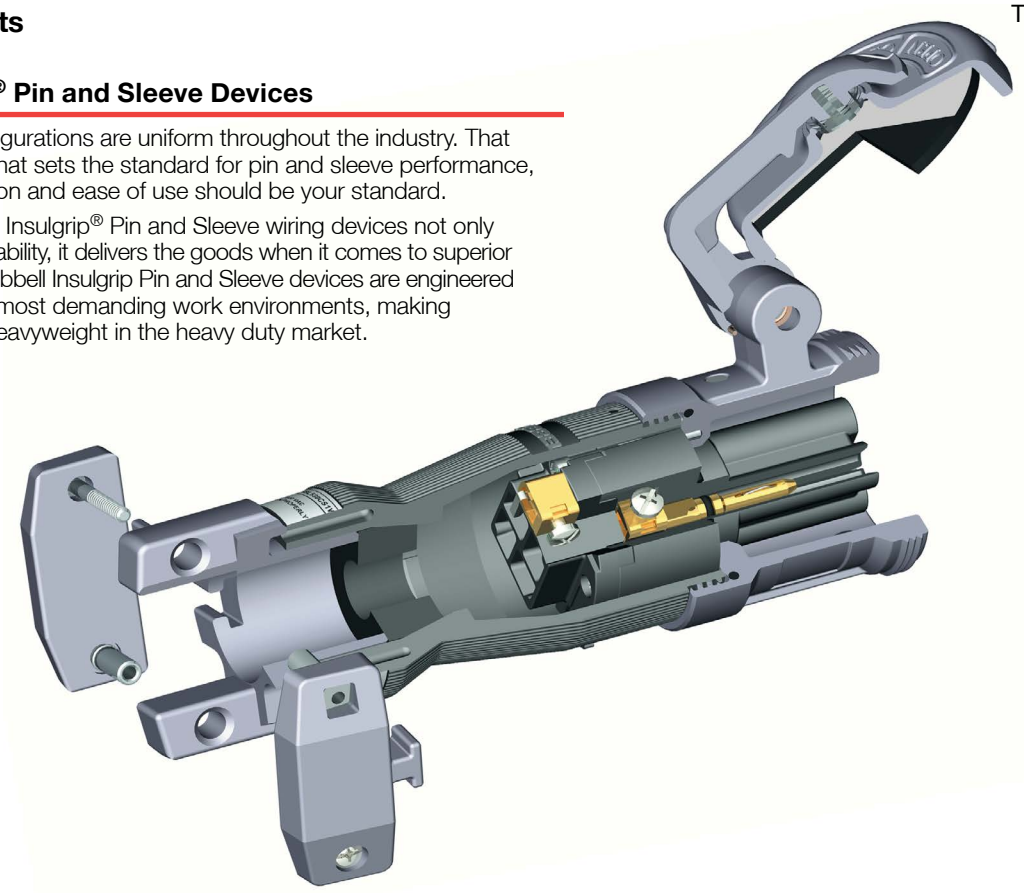
TYPE 4X

## Features and Benefits

### UL 1686 C1 Insulgrip® Pin and Sleeve Devices

UL standard 1686-C1 configurations are uniform throughout the industry. That means Hubbell–the name that sets the standard for pin and sleeve performance, reliability, durability, innovation and ease of use should be your standard.

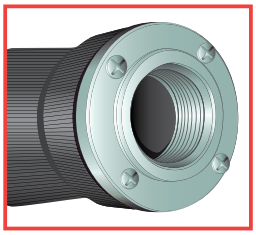
Hubbell's line of heavy duty Insulgrip® Pin and Sleeve wiring devices not only offers complete interchangeability, it delivers the goods when it comes to superior design and construction. Hubbell Insulgrip Pin and Sleeve devices are engineered and built to handle today's most demanding work environments, making Hubbell the unsurpassed heavyweight in the heavy duty market.





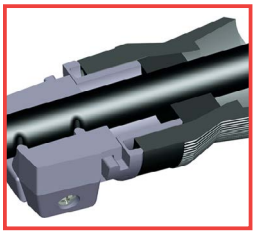
**Housing Design**

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Spring-loaded, gasketed cover provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles



**Liquidtight Conduit Adapters**

- Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



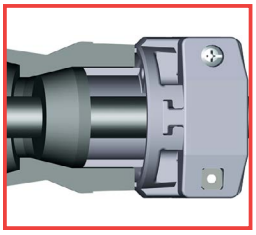
**Powerful Mechanical Cord Grip**

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



**Terminal Entrance Holes**

- Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands
- Tapered hole provides a fast and easy guide into the termination chamber
- Pin chamber confines arcing within the interior chamber during make and break cycle of mating devices, minimizes arc tracking



**Watertight Cord Entrance**

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



**Anti-Vibration Box Terminals**

- Interlocking box terminals ensure that terminal screws remain secure and cannot loosen
- The floating box is designed to obtain high-torque values without damaging stranded conductors

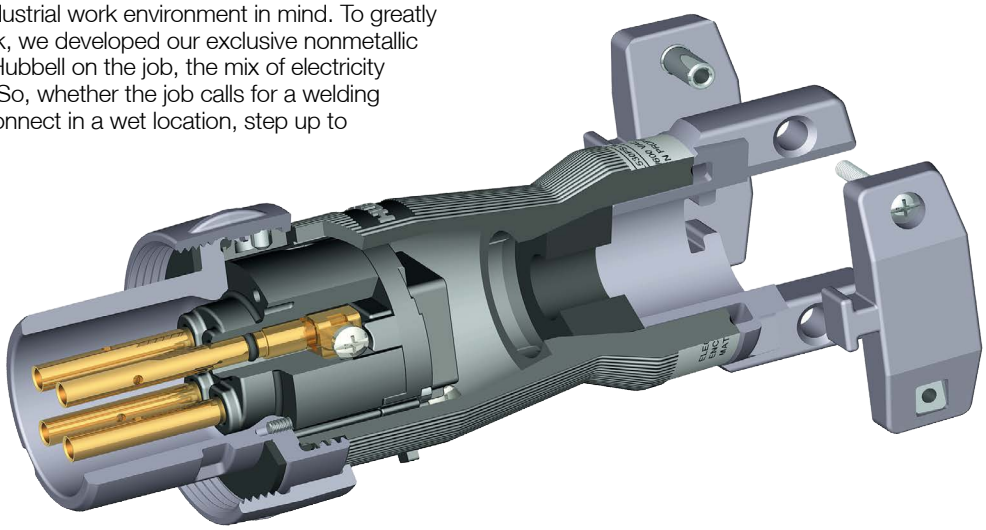
TYPE 4X

## Features and Benefits

### UL 1686 C1 Insulgrip® Pin and Sleeve Devices

Metallic where you want It, non-metallic where you need it. Different from traditional all-metallic devices, Hubbell Pin and Sleeve wiring devices are designed to provide metallic shrouding where you want it and a non-metallic housing where you need it.

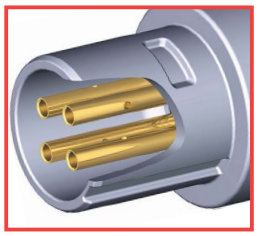
What's more, Hubbell's watertight Insulgrip Pin and Sleeve wiring devices are designed with safety first and foremost. We created the line with plant facility maintenance personnel and a safer industrial work environment in mind. To greatly reduce the likelihood of electrical shock, we developed our exclusive nonmetallic watertight system, meaning that with Hubbell on the job, the mix of electricity and water isn't the threat it once was. So, whether the job calls for a welding outlet in a dry location or a motor disconnect in a wet location, step up to Hubbell Pin and Sleeve wiring devices.





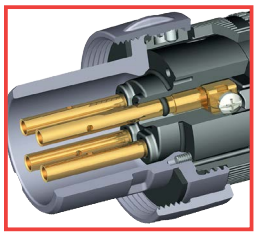
**Housing Design**

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties. Protects users and internal components in the roughest of environments
- Locking ring provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected



**Shrouded Sleeves**

- Housing seal provides a watertight and dust-tight seal when mated with receptacle or connector
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Shroud protects contact sleeves from deforming from physical abuse



**Interior Design**

- Sleeve O-ring seal provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber
- All-brass sleeve contacts provide reliable electrical contact with mating pins, also with minimum heat build-up over time



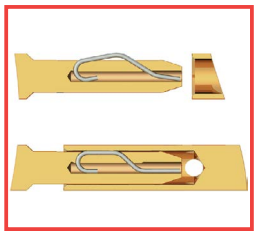
**Thermoset Polyester Contact Carrier**

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly



**Product Marking**

- Catalog number and rating visible while in use. Markings are color coded differentiating Style I and Style II devices



**Beryllium Copper Spring-Pin Design (Patented)**

- Maintains high unit pressure on mating sleeves. Ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time

# Pin and Sleeve Devices/Mechanical Interlocks

## 30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

| Rating | | | | Style I Devices | | | Replacement Interiors | |
|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC |  Receptacle |  Plug |  Connector |  Connector & Receptacle |  Plug |
| 30 | 2P 3W |  | 600/250 | HBL330RS1W | HBL330PS1W | HBL330CS1W | IN330FS1 | IN330MS1 |
| | 3P 4W |  | 600/250 | HBL430RS1W | HBL430PS1W | HBL430CS1W | IN430FS1 | IN430MS1 |
| | 4P 5W |  | 600/250 | HBL530RS1W | HBL530PS1W | HBL530CS1W | IN530FS1 | IN530MS1 |
| 60 | 2P 3W |  | 600/250 | HBL360RS1W | HBL360PS1W | HBL360CS1W | IN360FS1 | IN360MS1 |
| | 3P 4W |  | 600/250 | HBL460RS1W | HBL460PS1W | HBL460CS1W | IN460FS1 | IN460MS1 |
| | 4P 5W |  | 600/250 | HBL560RS1W | HBL560PS1W | HBL560CS1W | IN560FS1 | IN560MS1 |
| 100 | 2P 3W |  | 600/250 | HBL3100RS1W | HBL3100PS1W | HBL3100CS1W | IN3100FS1 | IN3100MS1 |
| | 3P 4W |  | 600/250 | HBL4100RS1W | HBL4100PS1W | HBL4100CS1W | IN4100FS1 | IN4100MS1 |
| | 4P 5W |  | 600/250 | HBL5100RS1W | HBL5100PS1W | HBL5100CS1W | IN5100FS1 | IN5100MS1 |
| 200 | 3P 4W |  | 600/250 | HBL4200RS1W | HBL4200PS1W | HBL4200CS1W | IN4200FS1† | IN4200MS1† |
| | 4P 5W |  | 600/250 | HBL5200RS1W | HBL5200PS1W | HBL5200CS1W | IN5200FS1† | IN5200MS1† |

| Rating | | | | Style II Devices | | | Replacement Interiors | |
|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC | Receptacle | Plug | Connector | Connector & Receptacle | Plug |
| 30 | 2P 3W |  | 600/250 | HBL330RS2W | HBL330PS2W | HBL330CS2W | IN330FS2 | IN330MS2 |
| | 3P 4W |  | 600/250 | HBL430RS2W | HBL430PS2W | HBL430CS2W | IN430FS2 | IN430MS2 |
| 60 | 2P 3W |  | 600/250 | HBL360RS2W | HBL360PS2W | HBL360CS2W | IN360FS2 | IN360MS2 |
| | 3P 4W |  | 600/250 | HBL460RS2W | HBL460PS2W | HBL460CS2W | IN460FS2 | IN460MS2 |
| 100 | 2P 3W |  | 600/250 | HBL3100RS2W | HBL3100PS2W | HBL3100CS2W | IN3100FS2 | IN3100MS2 |
| | 3P 4W |  | 600/250 | HBL4100RS2W | HBL4100PS2W | HBL4100CS2W | IN4100FS2 | IN4100MS2 |
| 200 | 2P 3W |  | 600/250 | HBL3200RS2W | HBL3200PS2W | HBL3200CS2W | IN3200FS2† | IN3200MS2† |
| | 3P 4W |  | 600/250 | HBL4200RS2W | HBL4200PS2W | HBL4200CS2W | IN4200FS2† | IN4200MS2† |

| Rating | | | | Corrosion Resistant Devices | | | Accessories | |
|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC |  Receptacle |  Plug |  Connector |  Back Boxes |  Angle Adapter |
| 200 | 4P 5W |  | 600/250 | M5200RS1 | M5200PS1 | M5200CS1 | MB2003W MB2004W | AA20045 |

*Note:* *__CAUTION:__ *To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*
*†Consult factory.*
*See page AA-19 for corrosion resistant cord sets.*

## 30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

| Rating | | | | "Reversed Service" Style I Devices | | | Replacement Interiors | |
|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC |  Receptacle |  Plug |  Connector |  Connector & Receptacle |  Plug |
| 30 | 2P 3W |  | 600/250 | HBL330RS1WR | HBL330PS1WR | HBL330CS1WR | IN330MS1 | IN330FS1 |
| | 3P 4W |  | 600/250 | HBL430RS1WR | HBL430PS1WR | HBL430CS1WR | IN430MS1 | IN430FS1 |
| | 4P 5W |  | 600/250 | HBL530RS1WR | HBL530PS1WR | HBL530CS1WR | IN530MS1 | IN530FS1 |
| 60 | 2P 3W |  | 600/250 | HBL360RS1WR | HBL360PS1WR | HBL360CS1WR | IN360MS1 | IN360FS1 |
| | 3P 4W |  | 600/250 | HBL460RS1WR | HBL460PS1WR | HBL460CS1WR | IN460MS1 | IN460FS1 |
| | 4P 5W |  | 600/250 | HBL560RS1WR | HBL560PS1WR | HBL560CS1WR | IN560MS1 | IN560FS1 |
| 100 | 2P 3W |  | 600/250 | HBL3100RS1WR | HBL3100PS1WR | HBL3100CS1WR | IN3100MS1 | IN3100FS1 |
| | 3P 4W |  | 600/250 | HBL4100RS1WR | HBL4100PS1WR | HBL4100CS1WR | IN4100MS1 | IN4100FS1 |
| | 4P 5W |  | 600/250 | HBL5100RS1WR | HBL5100PS1WR | HBL5100CS1WR | IN5100MS1 | IN5100FS1 |
| 200 | 3P 4W |  | 600/250 | HBL4200RS1WR | HBL4200PS1WR | HBL4200CS1WR | IN4200MS1† | IN4200FS1† |
| | 4P 5W |  | 600/250 | HBL5200RS1WR | HBL5200PS1WR | HBL5200CS1WR | IN5200MS1† | IN5200FS1† |

| Rating | | | | "Reversed Service" Style II Devices | | | Replacement Interiors | |
|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC | Receptacle | Plug | Connector | Connector & Receptacle | Plug |
| 30 | 2P 3W |  | 600/250 | HBL330RS2WR | HBL330PS2WR | HBL330CS2WR | IN330MS2 | IN330FS2 |
| | 3P 4W |  | 600/250 | HBL430RS2WR | HBL430PS2WR | HBL430CS2WR | IN430MS2 | IN430FS2 |
| 60 | 2P 3W |  | 600/250 | HBL360RS2WR | HBL360PS2WR | HBL360CS2WR | IN360MS2 | IN360FS2 |
| | 3P 4W |  | 600/250 | HBL460RS2WR | HBL460PS2WR | HBL460CS2WR | IN460MS2 | IN460FS2 |
| 100 | 2P 3W |  | 600/250 | HBL3100RS2WR | HBL3100PS2WR | HBL3100CS2WR | IN3100MS2 | IN3100FS2 |
| | 3P 4W |  | 600/250 | HBL4100RS2WR | HBL4100PS2WR | HBL4100CS2WR | IN4100MS2 | IN4100FS2 |
| 200 | 2P 3W |  | 600/250 | HBL3200RS2WR | HBL3200PS2WR | HBL3200CS2WR | IN3200MS2† | IN3200FS2† |
| | 3P 4W |  | 600/250 | HBL4200RS2WR | HBL4200PS2WR | HBL4200CS2WR | IN4200MS2† | IN4200FS2† |

| Rating | | | | "Reversed Service" Corrosion Resistant Devices | | | Accessories | |
|---|---|---|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC |  Receptacle |  Plug | Connector |  Back Boxes |  Angle Adapter |
| 200 | 4P 5W |  | 600/250 | M5200BS1R | M5200CS1R | — | MB2003W MB2004W | AA20045 |

*Note:* ***CAUTION:** *To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*
*†Consult factory.*
*See page AA-19 for corrosion resistant cord sets.*


MB301W


MB304W


MB601003W


MB601006W


MB2003W


CC3430


ILR1


SAB34


074093403

## Insulgrip Pin and Sleeve Metallic Back Boxes

Hubbell manufactures an extensive line of back boxes for use with UL 1686 Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit.

### Metallic 30° Angle Back Box*

| Description | Amps | NPT Hub Size | Catalog Number |
|---|---|---|---|
| Back box for 30A devices. | 30 | ¾" | **MB301W** |
| | 30 | 1" | **MB302W** |

### Metallic 15° Angle Back Box*

| Description | Amps | NPT Hub Size | Catalog Number |
|---|---|---|---|
| Back box for 60A devices. | 60 | 1" | **MB601W** |
| | 60 | 1¼" | **MB602W** |
| | 60 | 1½" | **MB603W** |

### Metallic Feed-Thru Back Box*

| Description | Amps | NPT Hub Size | Catalog Number |
|---|---|---|---|
| Straight feed-thru box for 30A devices. | 30 | ¾" | **MB303W** |
| | 30 | 1" | **MB304W** |
| Straight feed-thru box for 60A devices. | 60 | 1" | **MB604W** |
| | 60 | 1¼" | **MB605W** |
| | 60 | 1½" | **MB606W** |

### Metallic Four-Way Angle Back Box*

| Description | Amps | NPT Hub Size | Catalog Number |
|---|---|---|---|
| Four-way 15° angle box for 60 and 100A devices. | 60/100 | 1¼" | **MB601002W** |
| | 60/100 | 1½" | **MB601003W** |
| | 60/100 | 2" | **MB601004W** |
| Four-way 45° angle box for 200A devices. | 200 | 2" | **MB2003W** |
| | 200 | 2½" | **MB2004W** |
| 45° Angle adapter only for 200A devices. | 200 | - | **AA20045** |

### Metallic Four-Way Feed-Thru 15° Angle Back Box*

| Description | Amps | NPT Hub Size | Catalog Number |
|---|---|---|---|
| Four-way feed-thru, 15° angle for 60 and 100A devices. | 60/100 | 1¼" | **MB601006W** |
| | 60/100 | 1½" | **MB601007W** |
| | 60/100 | 2" | **MB601008W** |

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

### Replacement Cord Clamp and Locking Ring

| Description | Used on | Cord Clamp Catalog Number | Locking Ring Catalog Number |
|---|---|---|---|
| Fits all 30A plugs and connectors. | All 3, 4, 5 wire | **CC3430** | **ILR1**** |
| Fits all 60A plugs and connectors. | 4 wire (Style 2) and all 5 wire | **CC60** | **ILR2**** |
| | All 3 wire and 4 wire (Style 1) | **CC60** | **ILR3**** |
| Fits all 100A plugs and connectors. | 4 wire (Style 2) and all 5 wire | **CC100** | **ILR4**** |
| | All 3 wire and 4 wire (Style 1) | **CC100** | **ILR5**** |
| Fits all 200A plugs and connectors. | All 3, 4, 5 wire | **CC201** | **—** |

*Note: **Locking Ring only.*

### Liquidtight Adapters

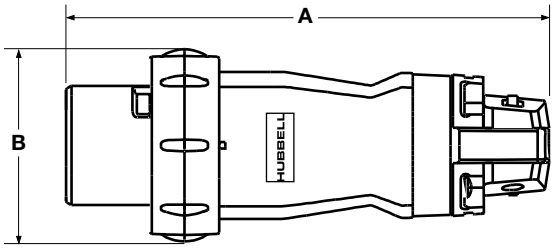
| Rating of Hubbell Pin and Sleeve Device | Liquidtight Conduit Size | Hubbell Liquidtight Adapter | Optional Kellems Liquidtight Conduit Grip |
|---|---|---|---|
| 30 Amp | ½" NPT | **SAB12** | **074093402** |
| | ¾" NPT | **SAB34** | **074093403** |
| | 1" NPT | **SAB100** | **074093404** |
| 60 Amp | 1" NPT | **SAC100** | **074093404** |
| | 1¼" NPT | **SAC125** | **074093405** |
| 100 Amp | 1¼" NPT | **SAD125** | **074093405** |
| | 1½" NPT | **SAD150** | **074093406** |

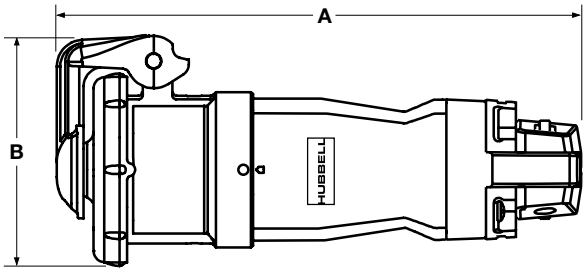
## Plug Dimensions

| | | A | | B | | |
|---|---|---|---|---|---|---|
| Amps | Type | Style I | Style II | Style I | Style II | Cord Grip Range |
| 30 | 330P | 7.53" (191) | 7.53" (191) | 3.00" (76) | 3.00" (76) | .375-1.20" (9.5-30.5) |
| | 430P | 7.53" (191) | 7.53" (191) | 3.00" (76) | 3.00" (76) | .375-1.20" (9.5-30.5) |
| | 530P | 7.53" (191) | | 3.00" (76) | | .375-1.20" (9.5-30.5) |
| 60 | 360P | 9.40" (239) | 9.40" (239) | 3.40" (86) | 3.40" (86) | .500-1.45" (12.7-36.8) |
| | 460P | 9.40" (239) | 9.40" (239) | 3.40" (86) | 3.70" (94) | .500-1.45" (12.7-36.8) |
| | 560P | 9.40" (239) | | 3.70" (94) | | .500-1.45" (12.7-36.8) |
| 100 | 3100P | 10.70" (272) | 10.70" (272) | 3.70" (94) | 3.70" (94) | .925-1.94" (27.0-49.3) |
| | 4100P | 10.70" (272) | 10.90" (277) | 3.70" (94) | 4.00" (102) | .925-1.94" (27.0-49.3) |
| | 5100P | 10.90" (277) | | 4.00" (102) | | .925-1.94" (27.0-49.3) |
| 200 | 3200P | | 11.13" (282) | | 6.35" (161) | 1.00-2.50" (25.4-63.5) |
| | 4200P | 11.13" (282) | 11.13" (282) | 6.35" (161) | 6.70" (170) | 1.00-2.50" (25.4-63.5) |
| | 5200P | 11.13" (282) | | 6.70" (170) | | 1.00-2.50" (25.4-63.5) |

## Connector Body Dimensions

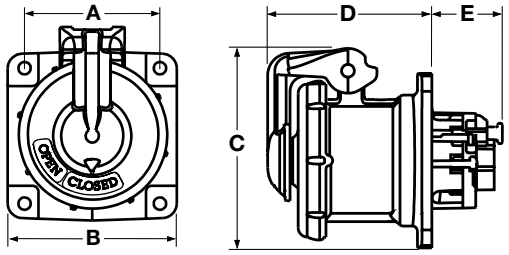
| | | A | | B | | |
|---|---|---|---|---|---|---|
| Amps | Type | Style I | Style II | Style I | Style II | Cord Grip Range |
| 30 | 330C | 8.38" (213) | 8.38" (213) | 3.74" (95) | 3.74" (95) | .375-1.20" (9.5-30.5) |
| | 430C | 8.38" (213) | 8.38" (213) | 3.74" (95) | 3.74" (95) | .375-1.20" (9.5-30.5) |
| | 530C | 8.38" (213) | | 3.74" (95) | | .375-1.20" (9.5-30.5) |
| 60 | 360C | 9.90" (251) | 9.90" (251) | 3.50" (89) | 3.50" (89) | .500-1.45" (12.7-36.8) |
| | 460C | 9.90" (251) | 10.10" (256) | 3.50" (89) | 3.80" (96) | .500-1.45" (12.7-36.8) |
| | 560C | 10.10" (256) | | 3.80" (96) | | .500-1.45" (12.7-36.8) |
| 100 | 3100C | 11.70" (297) | 11.70" (297) | 4.50" (114) | 4.50" (114) | .925-1.94" (27.0-49.3) |
| | 4100C | 11.70" (297) | 11.90" (302) | 4.50" (114) | 4.70" (119) | .925-1.94" (27.0-49.3) |
| | 5100C | 11.90" (302) | | 4.70" (119) | | .925-1.94" (27.0-49.3) |
| 200 | 3200C | | 13.65" (346) | | 7.00 (177) | 1.00-2.50" (25.4-63.5) |
| | 4200C | 13.65" (346) | 13.65" (346) | 7.00" (177) | 7.39 (187) | 1.00-2.50" (25.4-63.5) |
| | 5200C | 13.65" (346) | | 7.39" (187) | | 1.00-2.50" (25.4-63.5) |



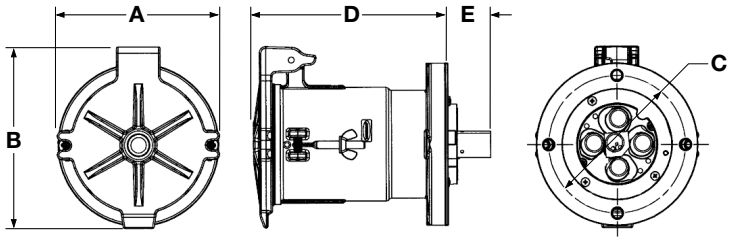




## Receptacle Dimensions

| | | A | | B | | C | | D | | E | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Amps | Type | Style I | Style II | Style I | Style II | Style I | Style II | Style I | Style II | Style I | Style II |
| 30 | 330R | 2.72" (69) | 2.72" (69) | 3.40" (86) | 3.40" (86) | 3.89" (99) | 3.89" (99) | 3.19" (81) | 3.19" (81) | 1.37" (35) | 1.37" (35) |
| | 430R | 2.72" (69) | 2.72" (69) | 3.40" (86) | 3.40" (86) | 3.89" (99) | 3.89" (99) | 3.19" (81) | 3.19" (81) | 1.37" (35) | 1.37" (35) |
| | 530R | 2.72" (69) | | 3.40" (86) | | 3.89" (99) | | 3.19" (81) | | 1.37" (35) | |
| 60 | 360R | 3.50" (89) | 3.50" (89) | 4.25" (108) | 4.25" (108) | 4.66" (118) | 4.66" (118) | 4.42" (112) | 4.42" (112) | 1.54" (39) | 1.54" (39) |
| | 460R | 3.50" (89) | 3.50" (89) | 4.25" (108) | 4.25" (108) | 4.66" (118) | 4.66" (118) | 4.42" (112) | 4.42" (112) | 1.54" (39) | 1.54" (39) |
| | 560R | 3.50" (89) | | 4.25" (108) | | 4.66" (118) | | 4.42" (112) | | 1.54" (39) | |
| 100 | 3100R | 3.50" (89) | 3.50" (89) | 4.25" (108) | 4.25" (108) | 4.66" (118) | 4.70" (119) | 5.30" (135) | 5.30" (135) | 1.54" (39) | 1.54" (39) |
| | 4100R | 3.50" (89) | 3.50" (89) | 4.25" (108) | 4.25" (108) | 4.66" (118) | 4.70" (119) | 5.30" (135) | 5.30" (135) | 1.54" (39) | 1.54" (39) |
| | 5100R | 3.50" (89) | | 4.25" (108) | | 4.66" (118) | | 5.30" (135) | | 1.54" (39) | |
| 200 | 3200R | | 6.50" (165) | | 7.00" (177) | | 5.63" (143) | | 7.76" (197) | | .99" (25) |
| | 4200R | 6.50" (165) | 6.90" (170) | 7.00" (177) | 7.39" (187) | 5.63" (143) | 5.63" (143) | 7.76" (197) | 7.76" (197) | .99" (25) | .99" (25) |
| | 5200R | 6.90" (170) | | 7.39" (187) | | 5.63" (143) | | 7.76" (197) | | .99" (25) | |

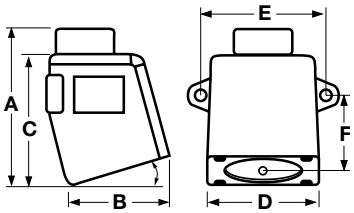



30, 60 and 100 Amp




200 Amp

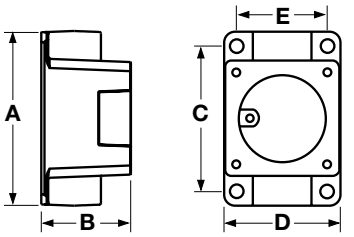
*Dimensions in Inches (mm)*



Metallic Angle Box

## Metallic Angle Back Box

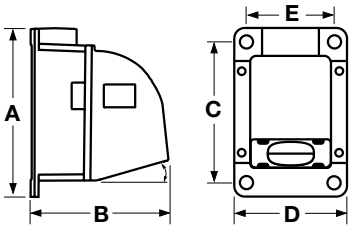
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| 30° Angle back box for 30A devices. | ¾" | 4.87" (124.0) | 2.94" (75.0) | 4.02" (102.0) | 3.40" (86.0) | 4.25" (108.0) | 2.12" (54.0) | **MB301W** |
| | 1" | 4.87" (124.0) | 2.94" (75.0) | 4.02" (102.0) | 3.40" (86.0) | 4.25" (108.0) | 2.12" (54.0) | **MB302W** |
| 15° Angle back box for 60A devices. | 1" | – | 4.80" (121.9) | – | – | 5.25" (133.4) | 2.69" (68.3) | **MB601W** |
| | 1¼" | – | 4.80" (121.9) | – | – | 5.25" (133.4) | 2.69" (68.3) | **MB602W** |
| | 1½" | – | 4.80" (121.9) | – | – | 5.25" (133.4) | 2.69" (68.3) | **MB603W** |



Metallic Feed-Thru Box

## Metallic Feed-Thru Back Box

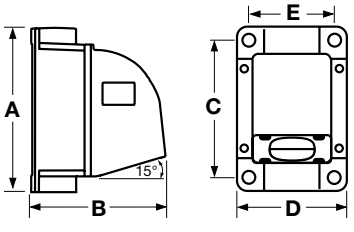
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| Back box for 30A devices. | ¾" | 5.35" (136.0) | 2.91" (74.0) | 4.53" (115.0) | 3.59" (91.0) | 2.62" (67.0) | – | **MB303W** |
| | 1" | 5.35" (136.0) | 2.91" (74.0) | 4.53" (115.0) | 3.59" (91.0) | 2.62" (67.0) | – | **MB304W** |
| Back box for 60A devices. | 1" | 6.50" (165.1) | 3.80" (97.0) | 5.75" (146.1) | 4.50" (114.3) | 3.50" (88.9) | – | **MB604W** |
| | 1¼" | 6.50" (165.1) | 3.80" (97.0) | 5.75" (146.1) | 4.50" (114.3) | 3.50" (88.9) | – | **MB605W** |
| | 1½" | 6.50" (165.1) | 3.80" (97.0) | 5.75" (146.1) | 4.50" (114.3) | 3.50" (88.9) | – | **MB606W** |



Metallic Four-Way Angle Box

## Metallic Four-Way Angle Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| 15° Angle four-way box for 60 and 100A devices. | 1¼" | 7.92" (201.0) | 8.52" (216.0) | 7.00" (178.0) | 6.14" (156.0) | 4.88" (124.0) | – | **MB601002W** |
| | 1½" | 7.92" (201.0) | 8.52" (216.0) | 7.00" (178.0) | 6.14" (156.0) | 4.88" (124.0) | – | **MB601003W** |
| | 2" | 7.92" (201.0) | 8.52" (216.0) | 7.00" (178.0) | 6.14" (156.0) | 4.88" (124.0) | – | **MB601004W** |
| 45° Angle four-way box for 200A devices. | 2" | 10.82" (274.8) | 9.86" (250.4) | 9.50" (241.3) | 8.17" (207.5) | 6.75" (171.5) | – | **MB2003W** |
| | 2½" | 10.82" (274.8) | 9.86" (250.4) | 9.50" (241.3) | 8.17" (207.5) | 6.75" (171.5) | – | **MB2004W** |
| 45° Angle adapter only for 200A devices. | – | 8.00" (203.2) | 6.00" (152.4) | 7.00" (178.0) | 8.00" (203.2) | 7.00" (178.0) | – | **AA20045** |



Metallic Feed-Thru Angle Box

## Metallic Four-Way Feed-Thru 15º Angle Back Box

| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| Four-way Feed-thru box for 60 and 100A devices. | 1¼" | 7.98" (202.7) | 8.55" (217.2) | 7.00" (178.0) | 6.14" (156.0) | 4.88" (124.0) | – | **MB601006W** |
| | 1½" | 7.98" (202.7) | 8.55" (217.2) | 7.00" (178.0) | 6.14" (156.0) | 4.88" (124.0) | – | **MB601007W** |
| | 2" | 7.98" (202.7) | 8.55" (217.2) | 7.00" (178.0) | 6.14" (156.0) | 4.88" (124.0) | – | **MB601008W** |

*Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*

*Dimensions in Inches (mm)*

## Materials (30, 60, 100, and 200 Amp)

| Plug | Material |
|---|---|
| Housing | PBT (200A Aluminum) |
| Plug Shroud | Aluminum |
| Cord Clamps | PBT (200A Aluminum) |
| Clamp Nut | Nickel Plated Brass |
| Gland Cap | PBT |
| Gland | Neoprene |
| O-Rings, Gaskets & Seals | Neoprene |
| Contact Carrier | Thermoset Polyester |
| Retainer | Thermoset Polyester |
| Sleeves | Brass (M-Series - Nickel-plated tellurium copper) |
| Box Terminal | Heat Treated & Zinc Plated Steel |
| Screws (Terminal, Assembly & Set) | Stainless Steel (300 Series) |
| Ground Standoff | Brass |
| Ground Bracket | Nickel Plated Spring Bronze |
| Locking Ring | Epoxy Painted Aluminum |
| **Connector Body** | |
| Housing | PBT (200 Amp Aluminum) |
| Connector Shroud | Epoxy Painted Aluminum |
| Cord Clamps | PBT |
| Clamp Nut | Nickel Plated Brass |
| Gland Cap | PBT (200A Aluminum) |
| Gland | Neoprene |
| O-Rings, Gaskets & Seals | Neoprene |
| Contact Carrier | Thermoset Polyester |
| Retainer | Thermoset Polyester |
| Pin | Brass (M-Series - Nickel-plated tellurium copper) |
| Pin Spring | Beryllium Copper |
| Box Terminal | Heat Treated & Zinc Plated Steel |
| Screws (Terminal, Assembly & Set) | Stainless Steel (300 Series) |
| Ground Standoff | Brass |
| Ground Bracket | Nickel Plated Spring Bronze |
| Cover | Epoxy Painted Aluminum |
| Cover Arm | Epoxy Painted Aluminum |
| Spring Guide | Stainless Steel (300 Series) |
| Springs (Arm & Wave) | Stainless Steel (300 Series) |
| Spring Washer | Stainless Steel (300 Series) |
| Hinge Bushing | Aluminum |
| Rivet | Aluminum |
| **Receptacle** | |
| Housing/Flange | Epoxy Painted Aluminum |
| O-Rings, Gaskets & Seals | Neoprene |
| Contact Carrier | Thermoset Polyester |
| Retainer | Thermoset Polyester |
| Pin | Brass (M-Series - Nickel-plated tellurium copper) |
| Pin Spring | Beryllium Copper |
| Box Terminal | Heat Treated & Zinc Plated Steel |
| Screws (Terminal, Assembly & Set) | Stainless Steel (300 Series) |
| Ground Standoff | Brass |
| Ground Bracket | Steel |
| Cover | Epoxy Painted Aluminum |
| Cover Arm | Epoxy Painted Aluminum |
| Spring Guide | Stainless Steel (300 Series) |
| Springs (Arm & Wave) | Stainless Steel (300 Series) |
| Spring Washer | Stainless Steel (300 Series) |
| Hinge Bushing | Aluminum |
| Rivet | Aluminum |

## Typical Specification

| | |
|---|---|
| Manufacturer's ID | Hubbell HBL430PS2W |
| Description | Plug, Power Supply |
| Electrical Type | 3 Pole + Earth |
| Max. Rating | 30 Amp, 600V AC, 250V DC, 50-400Hz |
| Configuration | UL 1686, Watertight, C1 Configuration |
| Certification | UL Listed, UL Standard 1682, UL 50, and UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X |

## Performance

| Electrical | |
|---|---|
| Voltage | 30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz |
| Dielectric Voltage | Withstands 3,000V AC. |
| Max. Working Voltage | 600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682). |
| Current Interrupting | Certified for current interrupting at full rated current. |
| Temperature Rise | Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current. |
| Endurance | Up to 1,000 connect and disconnect cycles at full rated current and voltage. |
| **Mechanical** | |
| Impact Resistance | Per CSA C22.2, No. 182.1, UL 1682. |
| Cord Grip Cable Retention | Per CSA C22.2, No. 182.1, UL 1682. |
| Cord Accommodation | Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards. |
| Terminal Identification | Terminals identified in accordance with UL 1686 (1, 2, 3, Green). |
| Product Identification | Identification and ratings are permanently fastened to the device housing. |
| **Environmental** | |
| Hose Down & Moisture Resistance | Type 3, 4, 4X per UL 50E and CSA 22.2, No. 94. |
| Flammability (Enclosure) | UL 94V-0 and CSA C22.2 No. 0.17. |
| Operating Temperatures | Maximum Continuous 75°C; Minimum -40°C without impact -25° with impact. |
| Hazardous Location (30, 60 & 100A) (plug only) | Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159. |
| **Materials** | |
| Housings | PBT 357 (200A Aluminum). |
| All Other Materials | Resistant to corrosion and chemical attack. |

## Watertight Application Guide

| Industry | Watertight. |
|---|---|
| Agriculture | Outdoor for fans, heaters, pumps, etc. |
| Chemical Processing | Where subject to water, corrosion. |
| Construction | Outdoors subject to severe weather conditions. |
| Entertainment | Outdoors subject to severe weather. |
| Food Processing | Where subject to water, corrosion. |
| Food Service | Areas subject to wash downs & heavy cleaning. |
| Light Manufacturing | Subjected to cleaning, solvents & chemicals. |
| Manufacturing | Where subject to water, corrosion. |
| Military | Outdoor construction or maintenance. |

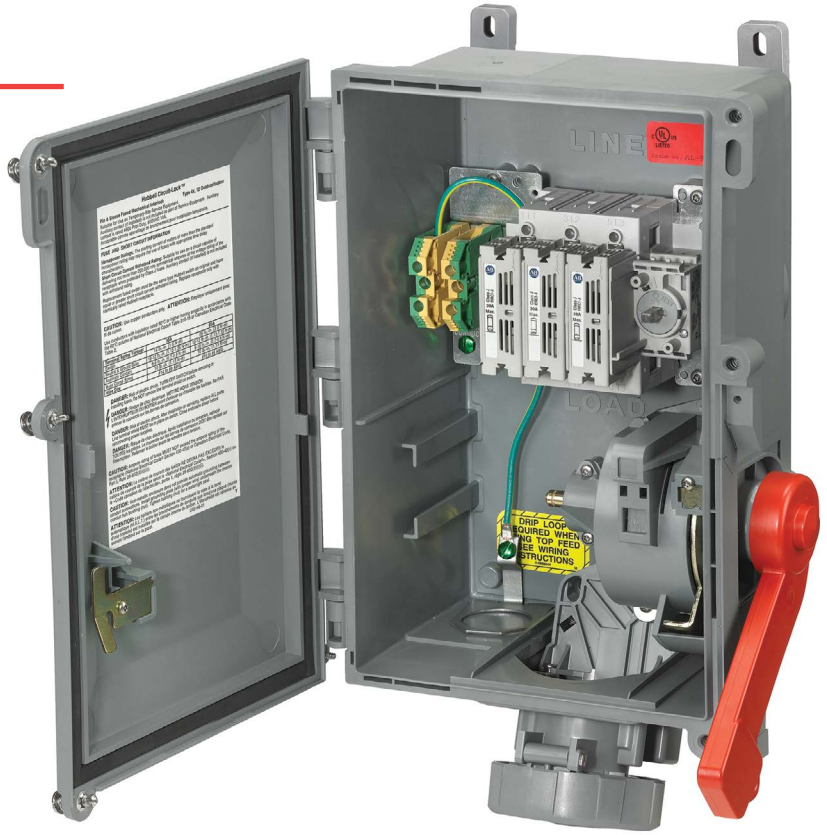
## Features and Benefits

### Style II Insulgrip® Mechanical Interlocks

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked to meet OSHA lockout/tagout regulations, and the enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.

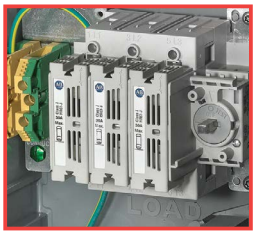






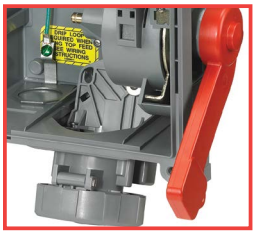
### Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements. Enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety. All external hardware is stainless steel
- Stainless steel ¼ turn door fasteners for quick, easy access to fuses




### Interior Design

- Compact Fused Disconnect Switch accepts **Class "J" fuses**. Fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



### Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements. Accepts up to a 5/16 inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



### Contact Carrier

- Thermoset polyester contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



### Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access. Additionally, if the switch is ON, the door cannot be opened



### Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1¼ in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

TYPE 4X**

## Style II - Fused

| Rating | | | | Fused Insulgrip® Mechanical Interlocks | |
|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC | Mechanical Interlock | Mating Plug |
| 30 | 3P 4W |  | 600/250 | **HBL430MIFS2W** | **HBL430PS2W** |
| 60 | 3P 4W |  | 600/250 | **HBL460MIFS2W** | **HBL460PS2W** |




**HBL430MIFS2W**

## Style II - Unfused

| Rating | | | | Unfused Insulgrip® Mechanical Interlocks | |
|---|---|---|---|---|---|
| Amps | Poles and Wires | Receptacle/ Connector Configuration* | Maximum Voltage AC/DC | Mechanical Interlock | Mating Plug |
| 30 | 3P 4W |  | 600/250 | **HBL430MIS2W** | **HBL430PS2W** |
| 60 | 3P 4W |  | 600/250 | **HBL460MIS2W** | **HBL460PS2W** |

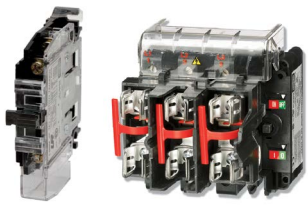
*Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.*
**CAUTION:* To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*

Gray Style Switch



**HBLACFSNO** **HBL30MIFRS**

Black Style Switch



**ACFSNO**

## Replacement Auxiliary Contacts

| Description | Black Style Switch | Gray Style Switch |
|---|---|---|
| Auxiliary contact, normally open, A600 pilot duty, break before break. | **ACFSNO** | **HBLACFSNO** |
| Auxiliary contact, normally closed, A600 pilot duty, break before break. | **ACFSNC** | **HBLACFSNC** |

*Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.*

## Replacement Switches

| Description | Gray Style Switch |
|---|---|
| For 30A fused switches. | **HBL30MIFRS** |
| For 60A fused switches. Gray Style switch will retro fit Black Style switch. | **HBL60MIFRS** |
| For 30A unfused switches. | **HBL30MISRS** |
| For 60A unfused switches. Gray Style switch will retro fit Black Style switch. | **HBL60MISRS** |



**MICPK30**

## Watertight Closure Plug Kits

| Description | Catalog Number |
|---|---|
| For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks. | **MICPK30** |
| For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks. | **MICPK60** |

## Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks. | **HBLRFT2**[Δ] |

*Note: ΔPackage of 10 feet and 10 screws.*



**HBLRFT2**

## Typical Specifications

| | |
|---|---|
| Manufacturer's Identification | Hubbell HBL460MIFS2W |
| Description | Fused Insulgrip® Pin and Sleeve Mechanical Interlock |
| Electrical Type | 3 Pole + Earth |
| Rating | 60A, 250VDC/600VAC |
| Configuration | Per UL 1686 C1 |
| Enclosure Type (UL 50E) | Indoor & Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust Tight, Falling Dirt) |
| Ingress Protection | IP66 Suitability |
| Certification | UL Listed for US and Canada |

*Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted.*

## Materials

| Part | Material |
|---|---|
| Base, Door and Handle | PBT |
| Conduit Hub | Zinc, 30A – 1 in., 60A – 1¼ in. NPT |
| Enclosure Gasket and Shaft Seal | Neoprene |
| Shaft and Mounting Inserts | Brass |
| Ground Plate | Galvanized Steel |
| Enclosure Screws and Hinge Spring | Stainless Steel |
| Hinge Pin | Nickel-Plated Brass |
| Contact Carrier | Thermoset Polyester |

## Performance

| Electrical | |
|---|---|
| Dielectric Voltage | Withstands 3,000VAC Min. |
| Max. Working Voltage | 250VDC/600VAC. |
| Current Interrupting | Certified for current interrupting at full rated current and voltage. |
| Short Circuit Withstand Rating | Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle. |
| Operations | Mechanical 10,000 cycles minimum. |

| Mechanical | |
|---|---|
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Ratings | Ratings are part of the external label and molded into the receptacle housing. |
| Mounting | External adjustable feet. |

| Environmental | |
|---|---|
| Moisture Resistance | Indoor & Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt). |
| Ingress Protection | IP66 Suitability. |
| Flammability | UL94-5VA and V-0 Classification. |
| Operating Temperatures | Max. Continuous +60°C; Min. Continuous -40°C w/o impact. |
| UV Resistance | All exposed insulating materials are UV stabilized. |
| Fuse Types | UL Listed Class "J". CSA Certified HRCI-J. |

## Horsepower Ratings

### 30A Horsepower Ratings

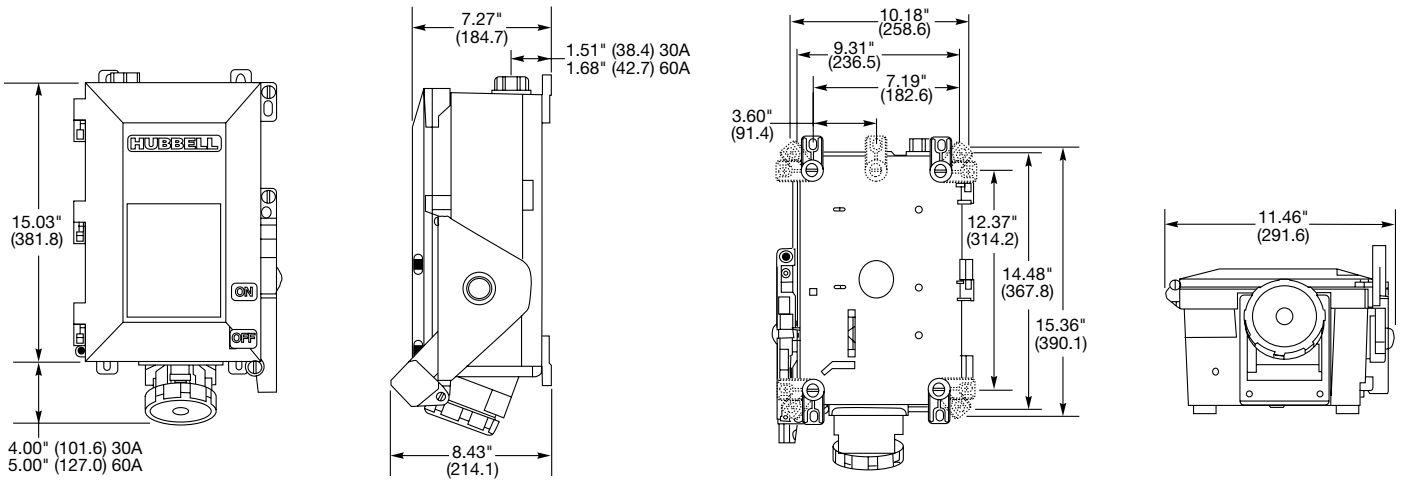
| 3 Phase A.C. | Standard | Maximum* |
|---|---|---|
| 200-240V | 3 | 7.5 |
| 480V | 5 | 15 |
| 600V | 7.5 | 20 |

### 60A Horsepower Ratings

| 3 Phase A.C. | Standard | Maximum* |
|---|---|---|
| 200-240V | 7.5 | 15 |
| 480V | 15 | 30 |
| 600V | 15 | 50 |

*Note: *Requires time delay fuses.*

## Dimensions




*Note: 30A – 1 inch NPT hub supplied; 60A – 1¼ inch hub supplied.*

*Dimensions in Inches (mm)*

## Features and Benefits

### Hazardous Location Non-Fused Mechanical Interlocks and Plugs

Hubbell's Hazardous Location Line of Non-Fused UL 1686 Mechanical Interlock Disconnect Switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs.

These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.



VSQ Hazardous Location Ratings
Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, Groups IIB+H2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G)





### Housing Design

- Copper-free aluminum construction with electrostatically applied polyester/ epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Feed-through construction



### Internal Design

- Auxiliary contact (late-make early-break) contact rated 10 amp, 1/3 HP at 125/250V AC can be used for operating pilot lights or starter coils
- Internal switch horsepower rated as "suitable as a motor disconnect"



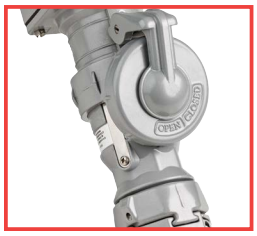
### Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power
- Handle mechanism is chemical resistant PBT thermoplastic



### Plug Locking Ring

- NEMA 4X environmental rating with cover engaged or when mated with a 4X plug



### Mechanism

- Plug and switch are interlocked. Switch cannot be turned ON without fully inserted plug Plug cannot be removed with switch in ON position
- Plug held in place when switch is OFF for convenience. Pull operated release mechanism



### Fully Interchangeable

- Product is UL1686 and is fully interchangeable with other UL1686 configured and listed devices



HBLVSQ3034

## 30 and 60 Amp Non-Fused UL1686 Mechanical Interlocks and Plugs

| Amp | Circuit | Mechanical Interlock | Metallic Plug | Insulgrip Plug |
|---|---|---|---|---|
| 30 Amp 600V AC | 2W 3P | **HBLVSQ3023** | **HBLVP3385** | **HBL330PS2W** |
| | 3W 4P | **HBLVSQ3034** | **HBLVP3485** | **HBL430PS2W** |
| 60 AMP 600V AC | 2W 3P | **HBLVSQ6023** | **HBLVP6385** | **HBL360PS2W** |
| | 3W 4P | **HBLVSQ6034** | **HBLVP6485** | **HBL460PS2W** |

*Note: Early break contact comes standard with mechanical interlocks.*
*HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x ¾ inch reducers and one ¾ inch close-up plug for maximum flexibility. 60 amp models come with one 1½ inch opening on top and bottom and one 1½ inch close-up plug.*



HBLVP3485



HBL430PS2W

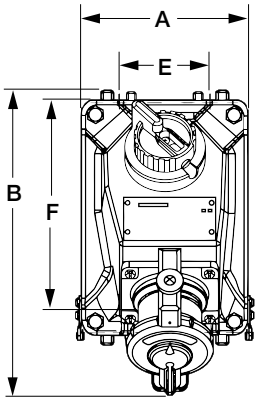
## Horsepower Ratings (VAC)*

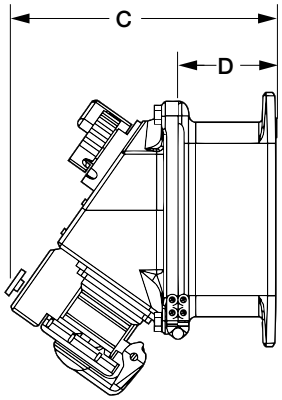
| Amp | Circuit | 120 | 240 | 480 | 600 | Catalog Number |
|---|---|---|---|---|---|---|
| 30 Amp | 1Ø | 2 | 5 | 10 | 15 | **HBLVSQ3023** |
| | 3Ø | 3 | 7.5 | 15 | 20 | **HBLVSQ3034** |
| 60 Amp | 1Ø | – | 10 | 15 | 20 | **HBLVSQ6023** |
| | 3Ø | – | 10 | 25 | 30 | **HBLVSQ6034** |

*Note: *Internal switch only.*

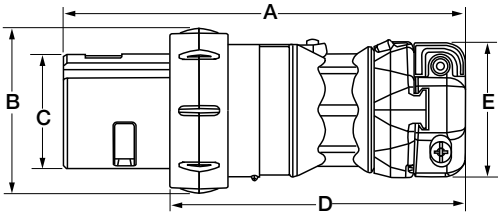
## Dimensions

| Mechanical Interlocks | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 30A | 5.75 (146) | 10.50 (267) | 9.75 (248) | 3.75 (95) | 3.13 (79) | 8.13 (206) |
| 60A | 8.13 (206) | 14.16 (360) | 11.28 (287) | 4.03 (102) | 2.50 (64) | 11.38 (289) |




| Plugs | A | B | C | D | E |
|---|---|---|---|---|---|
| 30A Both | 6.69 (170) | 3.00 (76) | 1.88 (48) | 5.38 (137) | 2.53 (64) |
| 60A, 3 Pole | 8.81 (224) | 3.38 (86) | 2.25 (57) | 6.50 (165) | 3.00 (76) |
| 60A, 4 Pole | 8.81 (224) | 3.69 (94) | 2.53 (64) | 6.50 (165) | 3.00 (76) |




| Wire Range | 30A | 60A |
|---|---|---|
| Reg. Stranded | #10 – #6 | #6 – #4 |
| Extra Flex | #10 – #8 | #6 – #4 |
| Grip Range | .55–1.2 (14–30) | .65–1.5 (16–38) |

*Dimensions in Inches (mm)*

# SECTION H

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## Features and Benefits

### Series 15 and 16 - 150, 300 and 400 Amp, 600 Volts

Hubbell Wiring Device–Kellems offers a full line of innovative, high quality, Series 15 and Series 16 single pole inlines, receptacles and accessories for the most demanding environments.

Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making and numerous other applications requiring temporary power.

Single pole devices have been designed with ease of assembly and disassembly in mind, no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment.





**Housing Design**

- Insulgrip® style housing for superior gripping, conforms to the user's hand making it easy to connect and disconnect, even with gloves on
- Easily identifiable cable, cut off points for secure fit allows you to easily customize and cut the housing to the required/correct cable size
- Accommodates wide range of cables



**Contacts**

- Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends product life
- High conductivity brass contact provides improved performance by helping to reduce operating temperatures and extends life



**Safety**

- Rounded corners reduce the possibility of catching or snagging on structures or equipment
- Non-conductive retaining screw locks contacts in place and allows for easy installation; prevents contact movement within housing
- Recessed mounting screw minimizes screwdriver slippage



**Assembly**

- Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted
- Extra long non-conductive inner sleeve reduces force required to install housing over contacts; easier to rotate contact in body for installing retaining screw



**Identification**

- Lock symbol aids in the mating of devices and provides a clear indication that the devices are properly connected
- With lock indicator symbol making mating clear and simple; devices can lock 180° to prevent unintended disconnects



**Installation**

- Engineered body design makes installation simple with no need for additional tools and the non-metallic retaining screw helps to make operation safe for all involved
- Strip gauge molded into every inline and receptacle housing; simplifies installation and saves time

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## Series 15 - 150 Amp, 600 Volts

Enclosure Types
3R, 4X, 12



### 150 Amp Inlines

| Description | Color | Male Inline |
|---|---|---|
| 150 amp, thermoplastic elastomer, cable size #8 - #2 AWG. | Black | **HBL15MBK** |
| | White | **HBL15MW** |
| | Green | **HBL15MGN** |
| | Red | **HBL15MR** |
| | Blue | **HBL15MBL** |
| | Brown | **HBL15MBN** |
| | Orange | **HBL15MO** |
| | Yellow | **HBL15MY** |
| | Gray | **HBL15MGY** |



### 150 Amp Inlines

| Description | Color | Female Inline |
|---|---|---|
| 150 amp, thermoplastic elastomer, cable size #8 - #2 AWG. | Black | **HBL15FBK** |
| | White | **HBL15FW** |
| | Green | **HBL15FGN** |
| | Red | **HBL15FR** |
| | Blue | **HBL15FBL** |
| | Brown | **HBL15FBN** |
| | Orange | **HBL15FO** |
| | Yellow | **HBL15FY** |
| | Gray | **HBL15FGY** |

### Receptacles, Stud Type Through Hole Mounting





| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG. | Black | **HBL15MRSBK** | **HBL15FRSBK** |
| | White | **HBL15MRSW** | **HBL15FRSW** |
| | Green | **HBL15MRSGN** | **HBL15FRSGN** |
| | Red | **HBL15MRSR** | **HBL15FRSR** |
| | Blue | **HBL15MRSBL** | **HBL15FRSBL** |
| | Brown | **HBL15MRSBN** | **HBL15FRSBN** |
| | Orange | **HBL15MRSO** | **HBL15FRSO** |
| | Yellow | **HBL15MRSY** | **HBL15FRSY** |
| | Gray* | — | — |

*Note: *Gray is available upon request. Contact factory.*

### Receptacles, Double Set Screw Through Hole Mounting





| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG. | Black | **HBL15MRBK** | **HBL15FRBK** |
| | White | **HBL15MRW** | **HBL15FRW** |
| | Green | **HBL15MRGN** | **HBL15FRGN** |
| | Red | **HBL15MRR** | **HBL15FRR** |
| | Blue | **HBL15MRBL** | **HBL15FRBL** |
| | Brown | **HBL15MRBN** | **HBL15FRBN** |
| | Orange | **HBL15MRO** | **HBL15FRO** |
| | Yellow | **HBL15MRY** | **HBL15FRY** |
| | Gray | **HBL15MRGY** | **HBL15FRGY** |

### Protective Caps



| Description | Color | Fits Male Devices | Fits Female Devices |
|---|---|---|---|
| Fits 150 amp inlines and receptacles. | Black | **HBL15MCAPBK** | **HBL15FCAPBK** |
| | White | **HBL15MCAPW** | **HBL15FCAPW** |
| | Green | **HBL15MCAPGN** | **HBL15FCAPGN** |
| | Red | **HBL15MCAPR** | **HBL15FCAPR** |
| | Blue | **HBL15MCAPBL** | **HBL15FCAPBL** |
| | ** | — | — |

*Note: **Additional colors are available upon request. Contact factory.*

### Weather Protective Covers





| Description | Color | Catalog Number |
|---|---|---|
| Use with stud type or double set screw receptacles. | Clear | **HBL15NCC** |
| | Black | **HBL15NCBK** |
| | White | **HBL15NCW** |
| | Green | **HBL15NCGN** |
| | Red | **HBL15NCR** |
| | Blue | **HBL15NCBL** |
| | Brown | **HBL15NCBN** |
| | Orange | **HBL15NCO** |
| | Yellow | **HBL15NCY** |

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## Series 15 - 150 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

### Tees




| Color | Paralleling Tee (Male-Male-Female) | Tapping Tee (Female-Male-Female) |
|---|---|---|
| Black | **HBL15PTBK** | **HBL15TBK** |
| White | **HBL15PTW** | **HBL15TW** |
| Green | **HBL15PTGN** | **HBL15TGN** |
| Red | **HBL15PTR** | **HBL15TR** |
| Blue | **HBL15PTBL** | **HBL15TBL** |

### Gender Reversing Devices




| Color | Double Male (Male-Male) | Double Female (Female-Female) |
|---|---|---|
| Black | **HBL15DMBK*** | **HBL15DFBK*** |
| White | **HBL15DMW** | **HBL15DFW** |
| Green | **HBL15DMGN** | **HBL15DFGN** |
| Red | **HBL15DMR*** | **HBL15DFR*** |
| Blue | **HBL15DMBL*** | **HBL15DFBL*** |

*Note: *UL 1691 restricts the use of male-to-male or female-to-female devices to Grounding (Green) or Neutral (White) conductors. Consult factory for availability of other non UL listed colors.*

### Replacement Bodies (25 Pack)




| Color | Male Body | Female Body |
|---|---|---|
| Black | **HBL15MBBK** | **HBL15FBBK** |
| White | **HBL15MBW** | **HBL15FBW** |
| Green | **HBL15MBGN** | **HBL15FBGN** |
| Red | **HBL15MBR** | **HBL15FBR** |
| Blue | **HBL15MBBL** | **HBL15FBBL** |
| ** | — | — |

*Note: **Additional colors are available upon request. Contact factory.*

### Replacement Contacts (25 Pack)




| Description | Male Pin | Female Sleeve |
|---|---|---|
| Contact, 150 amp | **HBL15RCM** | **HBL15RCF** |

### Accessories

| Description | Catalog Number |
|---|---|
| Accessory Kit, retaining screw, copper foil, terminal screws and brass wire. | **HBL15PK** |
| Replacement retaining screw (100 pack). | **HBL15RS** |
| Copper foil (100 pack). | **HBL15CF** |
| Brass wire (100 pack). | **HBL15BW** |
| Terminal screw - inline (100 pack). | **HBL15TS25** |
| Terminal screw - panel mount (100 pack). | **HBL15TS375** |
| Ferrule #2 AWG (100 pack). | **HBL15F2** |
| Ferrule #4 AWG (100 pack). | **HBL15F4** |



**HBL15PK**



**HBL15RS**



**HBL15CF**



**HBL15BW**



**HBL15TS25**



**HBL15TS375**



**HBL15F2**
**HBL15F4**

## Series 15 - 150 Amp, 600 Volts

## Specifications

| Electrical | |
|---|---|
| Voltage Ratings | 600V Maximum |
| Amperage Rating | 150A Maximum |

| Mechanical | |
|---|---|
| Terminal Accommodation | Inline: #8 AWG to #2 AWG<br>Receptacle: #8 AWG to #2 AWG |
| Product ID | Ratings are a permanent part of device |
| Base Compound | Inline: Thermoplastic Elastomer (TPE)<br>Receptacle: Polybutylene Terephthalate (PBT) |
| Contact Material | Brass |
| Retaining Screw Material | Nylon |

**Certification / Environmental**

UL and cUL Listed

UL Enclosure Types 3R, 4X, 12

UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC®), ANSI/NFPA 70

Flammability: HB per UL94 or CSA 22.2. 0.17

### Conductor Ampacity Chart (Type SC/PPC Wire)

| Cable Size | Ampacity• |
|---|---|
| #8 | 80 |
| #6 | 105 |
| #4 | 140 |
| #2 | 190 |

*Note: •90°C column NEC Table 400.5(A)(2).*

## Dimensions

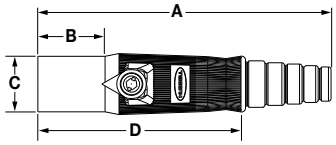
### Inlines

| | A | B | C | D |
|---|---|---|---|---|
| Male | 4.54" (115.3) | 1.04" (26.4) | .86" (21.8) | 3.22" (81.7) |
| Female | 4.60" (116.8) | 1.11" (28.2) | .68" (17.3) | 3.28" (83.2) |

### Weatherproof Cover

| | A | B | C |
|---|---|---|---|
| Series 15 | 2.03" ( 51.5) | 1.14" (29.0) | 1.49" (37.9) |

Male Inline

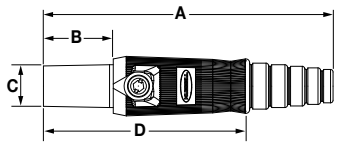



### Panel Mount Receptacles

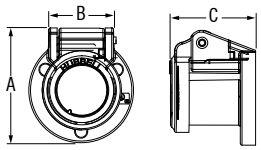
| Threaded Stud | A | B | C | D | E | F | Mounting Hole | Termination |
|---|---|---|---|---|---|---|---|---|
| Male | 1.86" (47.2) | 1.37" (34.8) | 2.82" (71.6) | .86" (22.0) | .80" (20.4) | 1.20" (30.5) | Through 3x Ø .20" | 5/16-18 Threaded Stud |
| Female | 1.86" (47.2) | 1.37" (34.8) | 2.88" (73.1) | .86" (22.0) | .80" (20.4) | 1.26" (32.0) | Through 3x Ø .20" | 5/16-18 Threaded Stud |

| Double Set Screw | A | B | C | D | E | F | Mounting Hole | Termination |
|---|---|---|---|---|---|---|---|---|
| Male | 1.86" (47.2) | 1.37" (34.8) | 2.90" (73.6) | .86" (22.0) | .88" (22.2) | 1.20" (30.5) | Through 3x Ø .20" | (2) 5/32 Socket Head Set Screws |
| Female | 1.86" (47.2) | 1.37" (34.8) | 2.95" (74.9) | .86" (22.0) | .87" (22.2) | 1.26" (32.0) | Through 3x Ø .20" | (2) 5/32 Socket Head Set Screws |

Female Inline




Weatherproof Cover



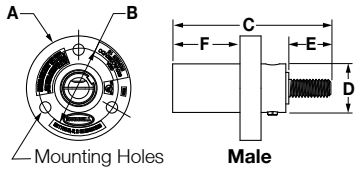

### Tees

| | A | B | C |
|---|---|---|---|
| Tapping Tee | 2.67" (67.9) | 4.28" (108.7) | .865" (21.9) |
| Paralleling Tee | 2.67" (67.9) | 4.22" (107.2) | .865" (21.9) |

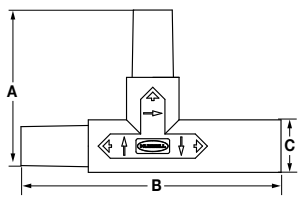
### Gender Reversing Devices

| | A | B | C |
|---|---|---|---|
| Double Male | 4.22" (107.2) | .86" (21.8) | — |
| Double Female | 4.22" (107.2) | 1.05" (26.7) | .68" (17.3) |

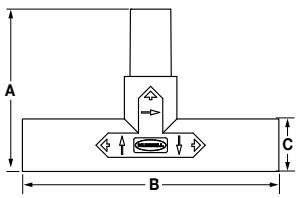
Threaded Stud (Male Shown)



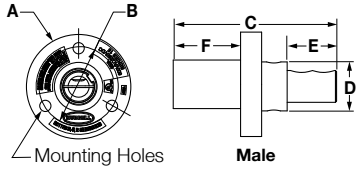

Tapping Tee



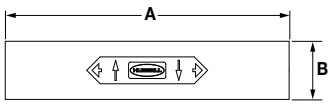

Paralleling Tee



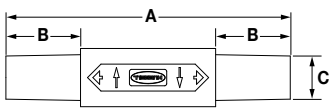

Double Set Screw (Male Shown)




Gender Reversing - Double Male




Gender Reversing - Double Female




*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

*Dimensions in Inches (mm)*

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## Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12



### 300 Amp Inlines

| Description | Color | Male Inline | Female Inline |
|---|---|---|---|
| 300 amp, thermoplastic elastomer, cable size #6 - 2/0 AWG. | Black | **HBL300MBK** | **HBL300FBK** |
| | White | **HBL300MW** | **HBL300FW** |
| | Green | **HBL300MGN** | **HBL300FGN** |
| | Red | **HBL300MR** | **HBL300FR** |
| | Blue | **HBL300MBL** | **HBL300FBL** |
| | Brown | **HBL300MBN** | **HBL300FBN** |
| | Orange | **HBL300MO** | **HBL300FO** |
| | Yellow | **HBL300MY** | **HBL300FY** |
| | Gray* | — | — |

*Note: *Gray is available upon request. Contact factory.*



### 400 Amp Inlines

| Description | Color | Male Inline | Female Inline |
|---|---|---|---|
| 400 amp, thermoplastic elastomer, cable size 2/0 - 4/0 AWG. | Black | **HBL400MBK** | **HBL400FBK** |
| | White | **HBL400MW** | **HBL400FW** |
| | Green | **HBL400MGN** | **HBL400FGN** |
| | Red | **HBL400MR** | **HBL400FR** |
| | Blue | **HBL400MBL** | **HBL400FBL** |
| | Brown | **HBL400MBN** | **HBL400FBN** |
| | Orange | **HBL400MO** | **HBL400FO** |
| | Yellow | **HBL400MY** | **HBL400FY** |
| | Gray | **HBL400MGY** | **HBL400FGY** |



### Receptacles, Double Set Screw Through Hole Mounting

| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines. | Black | **HBLMRBK** | **HBLFRBK** |
| | White | **HBLMRW** | **HBLFRW** |
| | Green | **HBLMRGN** | **HBLFRGN** |
| | Red | **HBLMRR** | **HBLFRR** |
| | Blue | **HBLMRBL** | **HBLFRBL** |
| | Brown | **HBLMRBN** | **HBLFRBN** |
| | Orange | **HBLMRO** | **HBLFRO** |
| | Yellow | **HBLMRY** | **HBLFRY** |
| | Gray | **HBLMRGY** | **HBLFRGY** |



### Angled Receptacles, Double Set Screw Through Hole Mounting

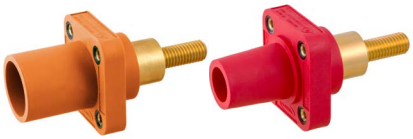
| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines. | Black | **HBLMRABK** | **HBLFRABK** |
| | White | **HBLMRAW** | **HBLFRAW** |
| | Green | **HBLMRAGN** | **HBLFRAGN** |
| | Red | **HBLMRAR** | **HBLFRAR** |
| | Blue | **HBLMRABL** | **HBLFRABL** |
| | Brown | **HBLMRABN** | **HBLFRABN** |
| | Orange | **HBLMRAO** | **HBLFRAO** |
| | Yellow | **HBLMRAY** | **HBLFRAY** |
| | Gray* | — | — |

*Note: *Gray is available upon request. Contact factory.*



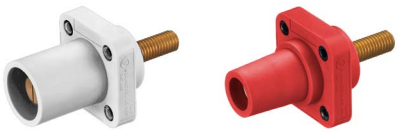
### Receptacles, Stud Type Threaded Hole Mounting

| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRSCBK** | **HBLFRSCBK** |
| | White | **HBLMRSCW** | **HBLFRSCW** |
| | Green | **HBLMRSCGN** | **HBLFRSCGN** |
| | Red | **HBLMRSCR** | **HBLFRSCR** |
| | Blue | **HBLMRSCBL** | **HBLFRSCBL** |
| | Brown | **HBLMRSCBN** | **HBLFRSCBN** |
| | Orange | **HBLMRSCO** | **HBLFRSCO** |
| | Yellow | **HBLMRSCY** | **HBLFRSCY** |



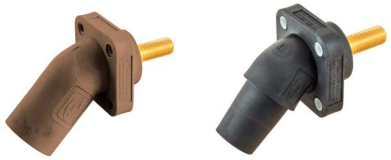
### Receptacles, Extended Stud Type Threaded Hole Mounting

| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRSCEBK** | **HBLFRSCEBK** |
| | White | **HBLMRSCEW** | **HBLFRSCEW** |
| | Green | **HBLMRSCEGN** | **HBLFRSCEGN** |
| | Red | **HBLMRSCER** | **HBLFRSCER** |
| | Blue | **HBLMRSCEBL** | **HBLFRSCEBL** |
| | Brown | **HBLMRSCEBN** | **HBLFRSCEBN** |
| | Orange | **HBLMRSCEO** | **HBLFRSCEO** |
| | Yellow | **HBLMRSCEY** | **HBLFRSCEY** |



### Receptacles, Stud Type Through Hole Mounting

| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRSBK** | **HBLFRSBK** |
| | White | **HBLMRSW** | **HBLFRSW** |
| | Green | **HBLMRSGN** | **HBLFRSGN** |
| | Red | **HBLMRSR** | **HBLFRSR** |
| | Blue | **HBLMRSBL** | **HBLFRSBL** |
| | Brown | **HBLMRSBN** | **HBLFRSBN** |
| | Orange | **HBLMRSO** | **HBLFRSO** |
| | Yellow | **HBLMRSY** | **HBLFRSY** |



### Angled Receptacles, Stud Type Through Hole Mounting

| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRASBK** | **HBLFRASBK** |
| | White | **HBLMRASW** | **HBLFRASW** |
| | Green | **HBLMRASGN** | **HBLFRASGN** |
| | Red | **HBLMRASR** | **HBLFRASR** |
| | Blue | **HBLMRASBL** | **HBLFRASBL** |
| | Brown | **HBLMRASBN** | **HBLFRASBN** |
| | Orange | **HBLMRASO** | **HBLFRASO** |
| | Yellow | **HBLMRASY** | **HBLFRASY** |

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## Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

### Receptacles, Bus Bar Threaded Hole Mounting



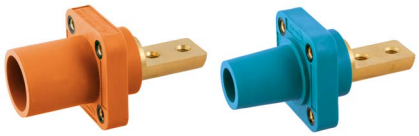
| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRBBK** | **HBLFRBBK** |
| | White | **HBLMRBW** | **HBLFRBW** |
| | Green | **HBLMRBGN** | **HBLFRBGN** |
| | Red | **HBLMRBR** | **HBLFRBR** |
| | Blue | **HBLMRBBL** | **HBLFRBBL** |
| | Brown | **HBLMRBBN** | **HBLFRBBN** |
| | Orange | **HBLMRBO** | **HBLFRBO** |
| | Yellow | **HBLMRBY** | **HBLFRBY** |

### Angled Receptacles, Bus Bar Through Hole Mounting



| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRABBK** | **HBLFRABBK** |
| | White | **HBLMRABW** | **HBLFRABW** |
| | Green | **HBLMRABGN** | **HBLFRABGN** |
| | Red | **HBLMRABR** | **HBLFRABR** |
| | Blue | **HBLMRABBL** | **HBLFRABBL** |
| | Brown | **HBLMRABBN** | **HBLFRABBN** |
| | Orange | **HBLMRABO** | **HBLFRABO** |
| | Yellow | **HBLMRABY** | **HBLFRABY** |

### Receptacles, Bus Bar, 2 Holes Threaded Hole Mounting



| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMRB2BK** | **HBLFRB2BK** |
| | White | **HBLMRB2W** | **HBLFRB2W** |
| | Green | **HBLMRB2GN** | **HBLFRB2GN** |
| | Red | **HBLMRB2R** | **HBLFRB2R** |
| | Blue | **HBLMRB2BL** | **HBLFRB2BL** |
| | Brown | **HBLMRB2BN** | **HBLFRB2BN** |
| | Orange | **HBLMRB2O** | **HBLFRB2O** |
| | Yellow | **HBLMRB2Y** | **HBLFRB2Y** |

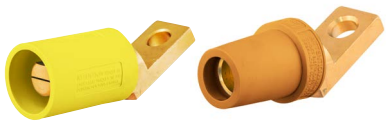
### Terminals, Offset Straight Style



| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMOSBK** | **HBLFOSBK** |
| | White | **HBLMOSW** | **HBLFOSW** |
| | Green | **HBLMOSGN** | **HBLFOSGN** |
| | Red | **HBLMOSR** | **HBLFOSR** |
| | Blue | **HBLMOSBL** | **HBLFOSBL** |
| | Brown | **HBLMOSBN** | **HBLFOSBN** |
| | Orange | **HBLMOSO** | **HBLFOSO** |
| | Yellow | **HBLMOSY** | **HBLFOSY** |

*Note: Terminals are UL Type 1 only.*

### Angled Terminals, Offset Straight Style



| Description | Color | Male Receptacles | Female Receptacles |
|---|---|---|---|
| 400 amp Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines. | Black | **HBLMOABK** | **HBLFOABK** |
| | White | **HBLMOAW** | **HBLFOAW** |
| | Green | **HBLMOAGN** | **HBLFOAGN** |
| | Red | **HBLMOAR** | **HBLFOAR** |
| | Blue | **HBLMOABL** | **HBLFOABL** |
| | Brown | **HBLMOABN** | **HBLFOABN** |
| | Orange | **HBLMOAO** | **HBLFOAO** |
| | Yellow | **HBLMOAY** | **HBLFOAY** |

*Note: Angled terminals are UL Type 1 only.*

### Protective Caps



| Color | Fits Male Devices | Fits Female Devices |
|---|---|---|
| Black | **HBLMCAPBK** | **HBLFCAPBK** |
| White | **HBLMCAPW** | **HBLFCAPW** |
| Green | **HBLMCAPGN** | **HBLFCAPGN** |
| Red | **HBLMCAPR** | **HBLFCAPR** |
| Blue | **HBLMCAPBL** | **HBLFCAPBL** |
| Brown | **HBLMCAPBN** | **HBLFCAPBN** |
| Orange | **HBLMCAPO** | **HBLFCAPO** |
| Yellow | **HBLMCAPY** | **HBLFCAPY** |

### Weather Protective Lift Covers



| Color | Catalog Number | All One Color Caps and Bodies |
|---|---|---|
| Clear | **HBLNCC** | — |
| Black | **HBLNCBK** | **HBLNCABK** |
| White | **HBLNCW** | **HBLNCAW** |
| Green | **HBLNCGN** | **HBLNCAGN** |
| Red | **HBLNCR** | **HBLNCAR** |
| Blue | **HBLNCBL** | **HBLNCABL** |
| Brown | **HBLNCBN** | **HBLNCABN** |
| Orange | **HBLNCO** | **HBLNCAO** |
| Yellow | **HBLNCY** | **HBLNCAY** |

c UL us LISTED

## Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

### Tees and 3-Fers







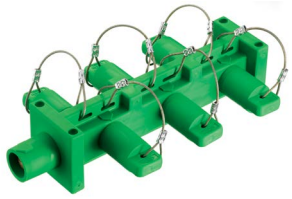
| Color | Paralleling Tee (Male-Male-Female) | Tapping Tee (Female-Male-Female) | 3-Fer (Male-Female-Female-Female) | 3-Fer (Female-Male-Male-Male) | Soft 3-Fer (Male-Female-Female-Female) | Soft 3-Fer (Female-Male-Male-Male) |
|---|---|---|---|---|---|---|
| Black | **HBLPTBK** | **HBLTBK** | **HBLM3FBK** | **HBLF3MBK** | **HBLM3FSBK** | — |
| White | **HBLPTW** | **HBLTW** | **HBLM3FW** | **HBLF3MW** | — | — |
| Green | **HBLPTGN** | **HBLTGN** | **HBLM3FGN** | **HBLF3MGN** | — | **HBLF3MSGN** |
| Red | **HBLPTR** | **HBLTR** | **HBLM3FR** | **HBLF3MR** | — | — |
| Blue | **HBLPTBL** | **HBLTBL** | **HBLM3FBL** | **HBLF3MBL** | — | — |
| Brown | **HBLPTBN** | **HBLTBN** | **HBLM3FBN** | **HBLF3MBN** | — | — |
| Orange | **HBLPTO** | **HBLTO** | **HBLM3FO** | **HBLF3MO** | — | — |
| Yellow | **HBLPTY** | **HBLTY** | **HBLM3FY** | **HBLF3MY** | — | — |

### Gender Reversing Devices




| Color | Double Male (Male-Male) | Double Female (Female-Female) |
|---|---|---|
| Black | **HBLDMBK** | **HBLDFBK** |
| White | **HBLDMW** | **HBLDFW** |
| Green | **HBLDMGN** | **HBLDFGN** |
| Red | **HBLDMR** | **HBLDFR** |
| Blue | **HBLDMBL** | **HBLDFBL** |
| Brown | **HBLDMBN** | **HBLDFBN** |
| Orange | **HBLDMO** | **HBLDFO** |
| Yellow | **HBLDMY** | **HBLDFY** |

### Distribution Block



| Description | Color | (1-Male, 6-Females) |
|---|---|---|
| 400 amp Distribution Block, Single Conductor, Heavy Duty Industrial Grade, Pre-Wired, (1) Male to (6) Females. | Black | **HBL7DBBK** |
| | White | **HBL7DBW** |
| | Green | **HBL7DBGN** |
| | Red | **HBL7DBR** |
| | Blue | **HBL7DBBL** |
| | Brown | **HBL7DBBN** |
| | Orange | **HBL7DBO** |
| | Yellow | **HBL7DBY** |

### Replacement Bodies (10 Pack)




| Color | Male Body | Female Body |
|---|---|---|
| Black | **HBLMBBK** | **HBLFBBK** |
| White | **HBLMBW** | **HBLFBW** |
| Green | **HBLMBGN** | **HBLFBGN** |
| Red | **HBLMBR** | **HBLFBR** |
| Blue | **HBLMBBL** | **HBLFBBL** |
| Brown | **HBLMBBN** | **HBLFBBN** |
| Orange | **HBLMBO** | **HBLFBO** |
| Yellow | **HBLMBY** | **HBLFBY** |

### Replacement Contacts (20 Pack)




| Description | Male Pin | Female Sleeve |
|---|---|---|
| Contact, 300 amp | **HBL300RCM** | **HBL300RCF** |
| Contact, 400 amp | **HBL400RCM** | **HBL400RCF** |

### Snap Back Covers (3R Only)



| Color | Through Hole Mounting | Threaded Mounting Holes |
|---|---|---|
| Black | **HBLSCBK** | **HBLSCCBK** |
| White | **HBLSCW** | **HBLSCCW** |
| Green | **HBLSCGN** | **HBLSCCGN** |
| Red | **HBLSCR** | **HBLSCCR** |
| Blue | **HBLSCBL** | **HBLSCCBL** |
| Brown | **HBLSCBN** | **HBLSCCBN** |
| Orange | **HBLSCO** | **HBLSCCO** |
| Yellow | **HBLSCY** | **HBLSCCY** |

### Accessories



| Description | Catalog Number |
|---|---|
| Accessory Kit, retaining screw, copper foil, terminal screws and brass wire. | **HBLPK** |
| Replacement retaining screw (500 pack). | **HBLRS** |
| Copper foil (500 pack). | **HBLCF** |
| Brass wire (500 pack). | **HBLBW** |
| Terminal screw - inline (500 pack). | **HBLTS** |
| Terminal screw - panel mount (500 pack). | **HBLTSR** |

## Series 16 - 300 and 400 Amp, 600 Volts

### Specifications

| Electrical | Series 16 |
|---|---|
| Voltage Ratings | 600V Maximum |
| Amperage Rating | 400A Maximum |

| Mechanical | 300A | 400A |
|---|---|---|
| Terminal Accommodation | Inline: #6 to 2/0 AWG | Inline: 2/0 to 4/0 AWG<br>Recept.: #4 to 4/0 AWG |
| Product ID | Ratings are a permanent part of device | |
| Base Compound | Thermoplastic Elastomer (TPE) | |
| Contact Material | Brass | |
| Retaining Screw Material | Nylon | |

Certification / Environmental

UL and cUL Listed
UL Enclosure Types 3R, 4X, 12
UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

### Conductor Ampacity Chart (Type SC/PPC Wire)

| Cable Size | Ampacity• | Cable Size | Ampacity• |
|---|---|---|---|
| #6 | 105 | 2/0 | 300 |
| #4 | 140 | 4/0 | 405 |
| #2 | 190 | | |

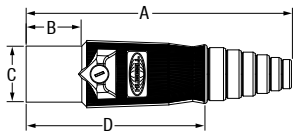
*Note: •90°C column NEC Table 400.5(A)(2).*

### Dimensions

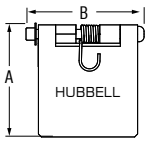
#### Inlines

| Description | A | B | C | D |
|---|---|---|---|---|
| Male | 7.01" (178.0) | 1.38" (35.1) | 1.48" (37.6) | 4.78" (121.4) |
| Female | 7.10" (180.5) | 1.44" (36.6) | 1.06" (27.0) | 4.90" (121.3) |

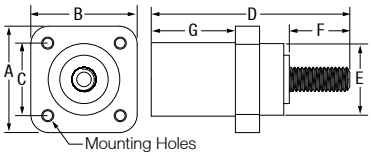
Inline (Male Shown)




Snap Back Cover



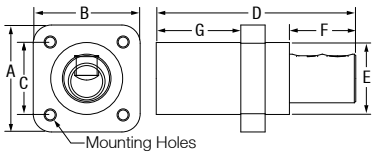

Threaded Stud (Male Shown)



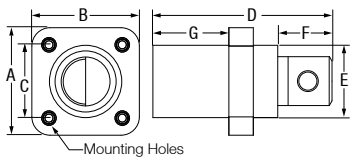

#### Panel Mount Receptacles

| Threaded Stud | A | B | C | D | E | F | G | Mounting Hole | Termination |
|---|---|---|---|---|---|---|---|---|---|
| Male & Female with through hole mounting | 2.20" (55.9) | 2.20" (55.9) | 1.50" (38.1) | 4.10" (104.3) | 1.48" (37.6) | 1.25" (31.7) | 1.74" (44.2) | Through 4x Ø .20" | 1/2-13 UNC-2A Threaded Stud |
| Male & Female with threaded mounting holes | 2.20" (55.9) | 2.20" (55.9) | 1.50" (38.1) | 3.67" (93.2) | 1.48" (37.6) | 1.11" (28.2) | 1.55" (39.4) | Threaded 4x #10-32 | 1/2-13 UNC-2A Threaded Stud |
| **Double Set Screw** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Mounting Hole** | **Termination** |
| Male & Female with threaded mounting holes | 2.20" (55.9) | 2.20" (55.9) | 1.50" (38.1) | 4.10" (104.3) | 1.48" (37.6) | 1.36 (34.5) | 1.74" (44.2) | Threaded 4x #10-32 | (2) 7/32 Socket Head Set Screws |
| **Bus Bar Type** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **Mounting Hole** | **Termination** |
| Male & Female with threaded mounting holes | 2.20" (55.9) | 2.20" (55.9) | 1.50" (38.1) | 3.57" (90.7) | 1.48" (37.6) | 1.01" (25.7) | 1.55" (39.4) | Threaded 4x #10-32 | (1) 5/16-18 UNC-2B Threaded Hole |
| **Offset Terminals** | **A** | **B** | **C** | **D** | **E** | **F** | | **Mounting Hole** | **Termination** |
| Male terminal straight style | Ø 1.48" [37.6] | 1.00" (25.4) | .38" (9.5) | 3.89" (98.8) | 1.75" (44.5) | 2.14" (54.4) | | Through .50" (12.7) | — |
| Female terminal straight style | Ø 1.48" [37.6] | 1.00" (25.4) | .38" (9.5) | 3.68" (93.3) | 1.75" (44.5) | 1.93" (48.9) | | Through .50" (12.7) | — |
| Male terminal angled style | Ø 1.48" [37.6] | 1.00" (25.4) | .38" (9.5) | 3.98" (101.1) | 2.06" (52.2) | 2.14" (54.4) | | Through .50" (12.7) | — |
| Female terminal angled style | Ø 1.48" [37.6] | 1.00" (25.4) | .38" (9.5) | 3.76" (95.6) | 2.06" (52.2) | 1.93" (48.9) | | Through .50" (12.7) | — |

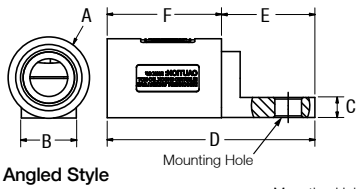
Double Set Screw (Male Shown)



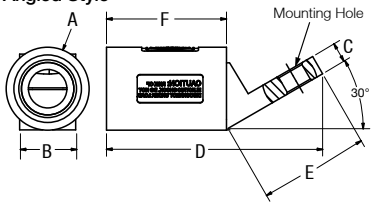

Bus Bar Type (Male Shown)




Offset Terminals (Male Shown)
Straight Style



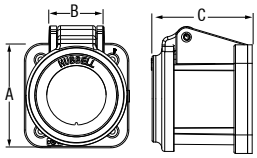

Angled Style




#### Covers

| Description | A | B | C |
|---|---|---|---|
| Weatherproof Cover | 2.20" (55.88) | 1.16" (29.44) | 2.03" (51.5) |
| Snap Back Cover to be used with receptacles | 2.26" (57.4) | 2.37" (60.2) | — |

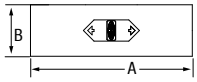
Weatherproof Cover



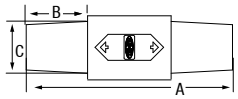

#### Gender Reversing Devices

| Description | A | B | C |
|---|---|---|---|
| Double Male | 4.65" (118.1) | 1.48" (37.6) | — |
| Double Female | 4.84" (122.9) | 1.44" (36.6) | 1.06" (27.0) |

Gender Reversing - Double Male



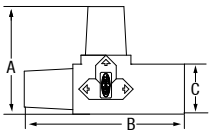

Gender Reversing - Double Female



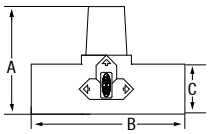

#### Tees and 3-Fers

| Description | A | B | C |
|---|---|---|---|
| Tapping Tee | 3.18" (80.8) | 4.74" (120.4) | 1.48" (37.6) |
| Paralleling Tee | 3.18" (80.8) | 4.65" (118.1) | 1.48" (37.6) |
| 3-Fer | 5.88" (149.3) | 5.78" (146.9) | 1.48" (37.6) |

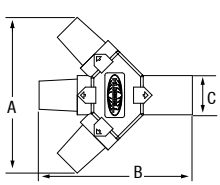
Tapping Tee




Paralleling Tee




3-Fer




*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

*Dimensions in Inches (mm)*

c UL us LISTED

## Series 18 - 300 and 400 Amp, 600 Volts

Enclosure Types
3R, 4X, 12

- Enclosure Types 3R, 4X, 12
- Non-metallic safety retaining screw
- Easy to grip body design
- Accepts #6 to 4/0 AWG wire
- Replacement bodies available
- UL and cULus listed





### 300 Amp Inlines

| Description | Color | Male Inline | Female Inline |
|---|---|---|---|
| Thermoplastic elastomer, cable size #6 - 2/0 AWG. | Black | **HBL18300MBK** | **HBL18300FBK** |
| | White | **HBL18300MW** | **HBL18300FW** |
| | Green | **HBL18300MGN** | **HBL18300FGN** |
| | Red | **HBL18300MR** | **HBL18300FR** |
| | Blue | **HBL18300MBL** | **HBL18300FBL** |
| | Brown | **HBL18300MBN** | **HBL18300FBN** |
| | Orange | **HBL18300MO** | **HBL18300FO** |
| | Yellow | **HBL18300MY** | **HBL18300FY** |



### 400 Amp Inlines

| Description | Color | Male Inline | Female Inline |
|---|---|---|---|
| Thermoplastic elastomer, cable size 2/0 - 4/0 AWG. | Black | **HBL18400MBK** | **HBL18400FBK** |
| | White | **HBL18400MW** | **HBL18400FW** |
| | Green | **HBL18400MGN** | **HBL18400FGN** |
| | Red | **HBL18400MR** | **HBL18400FR** |
| | Blue | **HBL18400MBL** | **HBL18400FBL** |
| | Brown | **HBL18400MBN** | **HBL18400FBN** |
| | Orange | **HBL18400MO** | **HBL18400FO** |
| | Yellow | **HBL18400MY** | **HBL18400FY** |



### Replacement Bodies (10 Pack)

| Description | Color | Male Inline | Female Inline |
|---|---|---|---|
| Thermoplastic elastomer. | Black | **HBL18MBBK** | **HBL18FBBK** |
| | White | **HBL18MBW** | **HBL18FBW** |
| | Green | **HBL18MBGN** | **HBL18FBGN** |
| | Red | **HBL18MBR** | **HBL18FBR** |
| | Blue | **HBL18MBBL** | **HBL18FBBL** |
| | Brown | **HBL18MBBN** | **HBL18FBBN** |
| | Orange | **HBL18MBO** | **HBL18FBO** |
| | Yellow | **HBL18MBY** | **HBL18FBY** |



### Accessories

| Description | Catalog Number |
|---|---|
| Series 18, replacement retaining screw (500 pack). | **HBLRS** |
| Copper foil (500 pack). | **HBLCF** |
| Brass wire (500 pack). | **HBLBW** |

### Specifications

| **Electrical** | **Series 18** |
|---|---|
| Voltage Ratings | 600V Maximum |
| Amperage Rating | 400A Maximum |

| **Mechanical** | **300A** | **400A** |
|---|---|---|
| Terminal Accommodation | Inline: #6 to 2/0 AWG | Inline: 2/0 to 4/0 AWG |
| Product ID | Ratings are a permanent part of device | |
| Base Compound | Thermoplastic Elastomer (TPE) | |
| Contact Material | Brass | |
| Retaining Screw Material | Nylon | |

### Certification / Environmental

**Series 18**

UL and cULus listed
UL Enclosure Types 3R, 4X, 12
UL 1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

### Conductor Ampacity Chart (Type SC/PPC Wire)

| Cable Size | Ampacity• |
|---|---|
| #2 | 190 |
| 2/0 | 300 |
| 3/0 | 350 |
| 4/0 | 405 |

*Note: •90°C column NEC Table 400.5(A)(2).*

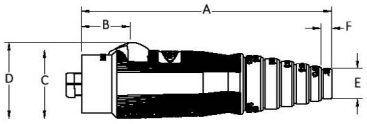
### Dimensions

**In Line Plugs**

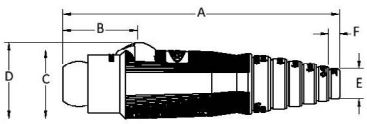
| Description | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| Male | 6.30" (159.9) | 1.23" (31.1) | 1.76" (44.6) | 1.94" (49.3) | .77" (19.6) | .27" (TYP) (6.9) |
| Female | 6.95" (176.5) | 1.87" (47.6) | 1.76" (44.6) | 1.94" (49.3) | .77" (19.6) | .27" (TYP) (6.9) |

*Dimensions in Inches (mm)*

Inline (Male)




Inline (Female)



## Features and Benefits

### Spider® II Temporary Power Boxes

Hubbell's Spider® II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of line and durability, Hubbell manufactures a variety of Spider® II Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's Spider products incorporate the most innovative wiring devices in the Hubbell Safety-Shroud® Twist-Lock® system. The shrouded Twist-Lock design extends the life of the plug by protecting the blades from abuse and more importantly, the shroud protects the user from arcing.





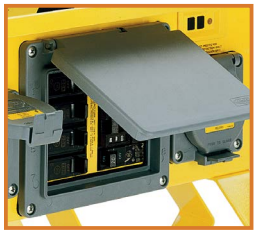
**Housing Design**

- Individual GFCI modules
- Gasketed latching receptacle lift covers
- Replaceable legs



**Receptacles**

- Six 20 amp straight blade or Twist-Lock® watertight receptacles, individually GFCI protected
- All Pin and Sleeve, Twist-Lock® and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid



**Safety**

- Standard stab termination circuit breakers with gasketed lift cover
- Compact electronic supervisory circuit
- Detailed wiring diagram



**Inlets**

- Available with flush 50 amp Twist-Lock® inlet or 60 amp IEC reversed service Pin and Sleeve receptacle



**Environmental Protection**

- Spider® II boxes have earned a Type 3R metallic enclosure rating and heavy duty, abuse resistant legs for outdoor rainproof applications
- Provides UL Type 4X rating when the receptacles are used with Watertight Safety-Shroud® Twist-Lock® plugs



**Certifications**

- Hubbell's Spider® II Boxes meet NEC® requirements for personal protection against electrical shock on job sites and are listed to the latest UL1640 standard for portable power distribution equipment

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## 50A and 60A Spider® II Boxes



50A Spider® II



60A Spider® II



60A Class "L" Spider® II

### Spider® II Temporary Power Boxes

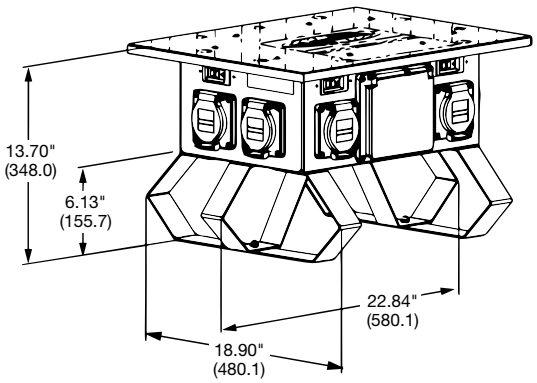
| Rating | Type | Qty | Receptacle Ratings | Receptacle Components | Protection | | Catalog Number |
|---|---|---|---|---|---|---|---|
| | | | | | Overload | GFI | |
| 30A, 120/240V AC (Maximum) | Straight Blade | 7 | 20A, 125V | HBL53R61 | Yes | Yes | **SDSB1A** |
| | Twist-Lock® (inlet) | 1 | 30A, 120/240V | HBL2715SWR | No | No | |
| | Twist-Lock® (outlet) | 1 | 30A, 120/240V | HBL2710 | No | No | |
| 50A, 120/240V AC (Maximum) | Straight Blade | 7 | 20A, 125V | HBL53R61 | Yes | Yes | **SBSB1A** |
| | Twist-Lock® (inlet) | 1 | 50A, 125/250V | HBL6375S | No | No | |
| | Twist-Lock® (outlet) | 1 | 50A, 125/250V | CS6369 | No | No | |
| 50A, 120/240V AC (Maximum) | Straight Blade | 6 | 20A, 125V | HBL53R61 | Yes | Yes | **SBSB2** |
| | Twist-Lock® | 1 | 30A, 250V | HBL2620SW | Yes | Yes | |
| | Twist-Lock® (inlet) | 1 | 50A, 125/250V | HBL6375S | No | No | |
| | Twist-Lock® (outlet) | 1 | 50A, 125/250V | CS6369 | No | No | |
| 50A, 120/240V AC (Maximum) | Twist-Lock® | 7 | 20A, 125V | HBL2310SW | Yes | Yes | **SBTL1A** |
| | Twist-Lock® (inlet) | 1 | 50A, 125/250V | HBL6375S | No | No | |
| | Twist-Lock® (outlet) | 1 | 50A, 125/250V | CS6369 | No | No | |
| 50A, 120/240V AC (Maximum) | Twist-Lock® | 6 | 20A, 125V | HBL2310SW | Yes | Yes | **SBTL2** |
| | Twist-Lock® | 1 | 30A, 250V | HBL2620SW | Yes | Yes | |
| | Twist-Lock® (inlet) | 1 | 50A, 125/250V | HBL6375S | No | No | |
| | Twist-Lock® (outlet) | 1 | 50A, 125/250V | CS6369 | No | No | |
| 60A, 3Ø 120/208V AC (Maximum) | Straight Blade | 6 | 20A, 125V | HBL53R61 | Yes | Yes | **SCSB0*** |
| | Pin and Sleeve (inlet) | 1 | 60A, 3ØY 120/208V | HBL560B9R | No | No | |
| | Pin and Sleeve (outlet) | 1 | 60A, 3ØY 120/208V | HBL560R9W | No | No | |
| 60A, 3Ø 120/208V AC (Maximum) | Twist-Lock® | 6 | 20A, 125V | HBL2310SW | Yes | Yes | **SCTL0*** |
| | Pin and Sleeve (inlet) | 1 | 60A, 3ØY 120/208V | HBL560B9R | No | No | |
| | Pin and Sleeve (outlet) | 1 | 60A, 3ØY 120/208V | HBL560R9W | No | No | |

### Class "L" Spider® II Temporary Power Boxes

| Rating | Type | Qty | Receptacle Ratings | Receptacle Components | Protection | | Catalog Number |
|---|---|---|---|---|---|---|---|
| | | | | | Overload | GFI | |
| 60A, 3Ø 120/208V AC (Maximum) | Straight Blade | 6 | 20A, 125V | HBL53R61 | Yes | Yes** | **SCSB0M2** |
| | Class "L" (inlet) | 1 | 60A, 3ØY, 120/208V | — | No | No | |
| | Class "L" (outlet) | 1 | 60A, 3ØY, 120/208V | — | No | No | |
| 60A, 3Ø 120/208V AC (Maximum) | Twist-Lock® | 6 | 20A, 125V | HBL2310SW | Yes | Yes** | **SCTL0M2** |
| | Class "L" (inlet) | 1 | 60A, 3ØY, 120/208V | — | No | No | |
| | Class "L" (outlet) | 1 | 60A, 3ØY, 120/208V | — | No | No | |

*Note: *60A units are UL and cUL only.*
***GFCI protection on 4 devices only.*

### Dimensions




*Dimensions in Inches (mm)*

### Specifications

**Spider® II**

| | |
|---|---|
| Listing/Certification | UL1640 cUL and CSA, UL943 |
| Environment | Indoor and outdoor wet and dry locations |
| Enclosure Type | 3R, rainproof, suitable for use in damp locations |
| Code Compliance | NEC®, ANSI/NFPA 70 |

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits

### Temporary Power Accessories

Hubbell's SR50 is comprised of a pre-wired 50A receptacle, mounted in a fully non-metallic watertight FD wall box.

This weather resistant, UL listed, assembly provides significant labor savings for the contractor, because it's pre-wired with a 50A Twist-Lock® receptacle, installation time is significantly reduced. The 4 hole mounting pattern of the new FD box also provides added security for the device.



### Cable Sets, Plugs, and Receptacles

| Description | Catalog Number |
|---|---|
| 50A pre-wired wall mounted receptacle, with 2 ft. wire leads. | **SR50** |
| 50A cord set - 50 ft. cable (input/output). | **SCB50** |
| 50A cord set - 100 ft. cable (input/output). | **SCB100** |
| 60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female). | **HBL560P9WR** |
| 60A, 3Ø 120/208V Pin and Sleeve plug (male). | **HBL560P9W** |
| 60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle. | **HBL560R9W** |
| 1¼" hub 15 deg. non-metallic angle back box for 60A receptacle. | **BB601W** |
| 1½" hub 15 deg. metallic 4-way angle back box for 60A receptacle. | **FW60100** |

*Note: Consult factory for alternate cable lengths.*



**SR50**



**SCB50**

### Replacement Parts

| Description | Catalog Number |
|---|---|
| 20A, 125V straight blade receptacle. | **HBL53R61** |
| 20A, 125V Safety-Shroud Twist-Lock® receptacle. | **HBL2310SW** |
| 30A, 250V Safety-Shroud Twist-Lock® receptacle. | **HBL2620SW** |
| 30A, 125/250V Reverse Service Safety-Shroud connector. | **HBL2713SR** |
| 30A, 125/250V Reverse Service inlet. | **HBL2715SWR** |
| 50A, 125/250V Twist-Lock® receptacle. | **CS6369** |
| 50A, 125/250V Twist-Lock® inlet. | **HBL6375S** |
| 60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet). | **HBL560B9R** |
| 60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet). | **HBL560R9W** |
| 60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female). | **HBL560P9WR** |
| 60A, 3Ø 120/208V Pin and Sleeve plug (male). | **HBL560P9W** |
| GFCI module. | **GFMST20** |
| 50A Spider supervisory kit. | **SSK** |
| 60A Spider supervisory kit. | **SSK60** |
| Spider circuit breaker cover. | **SCBC** |
| Spider leg kit. | **SLK** |
| Spider leg kit, green. | **SLKG** |
| 50A receptacle cover plate. | **HBL77CM74WO** |



**HBL560R9W**



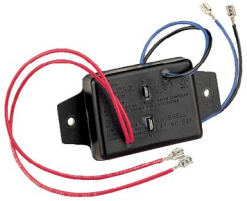
**HBL2310SW**



**SCBC**



**GFMST20**



**SSK**



**HBL77CM74WO**



**CS6369**



**HBL2713SR**

## Features and Benefits

### Temporary Power Distribution Boxes and Temporary Power Cables

- Durable hi-visibility yellow powder coated steel construction
- Hubbell 50 amp Twist-Lock® receptacle and inlet
- Six 20 amp straight blade or Twist-Lock® covered receptacles
- Individual GFCI modules
- NEMA 3R enclosure
- Nesting leg design saves space in the warehouse and on the truck



**TPDL** – Twist-Lock®
**TPDS** – Straight Blade



**TPC50** – 50' Cable
**TPC100** – 100' Cable

## Temporary Power Distribution Boxes

| Rating | Type | Qty | Receptacle Rating | Protection: Overload | Protection: GFI | Catalog Number |
|---|---|---|---|---|---|---|
| 50A, 120/240V AC (Maximum) | Twist-Lock® | 6 | 20A, 125V | Yes | Yes | **TPDL** |
| | Twist-Lock® | 1 | 30A, 250V | Yes | No | |
| | Twist-Lock® (Inlet) | 1 | 50A, 125/250V | No | No | |
| | Twist-Lock® (Outlet) | 1 | 50A, 125/250V | No | No | |
| 50A, 120/240V AC (Maximum) | Straight Blade | 6 | 20A, 125V | Yes | Yes | **TPDS** |
| | Twist-Lock® | 1 | 30A, 250V | Yes | No | |
| | Twist-Lock® (Inlet) | 1 | 50A, 125/250V | No | No | |
| | Twist-Lock® (Outlet) | 1 | 50A, 125/250V | No | No | |
| Replacement GFCI module. | | | | | | **HBLCGFM20** |

## Temporary Power Cables

| Rating | CableType | Length | Male Device | Female Device | Weatherproof Boot | Catalog Number |
|---|---|---|---|---|---|---|
| 50A, 125/250V | 6/3, 8/1 | 50 ft. | CS6365L | CS6364L | No | **TPC50** |
| 50A, 125/250V | 6/3, 8/1 | 100 ft. | CS6365L | CS6364L | No | **TPC100** |

## Specifications

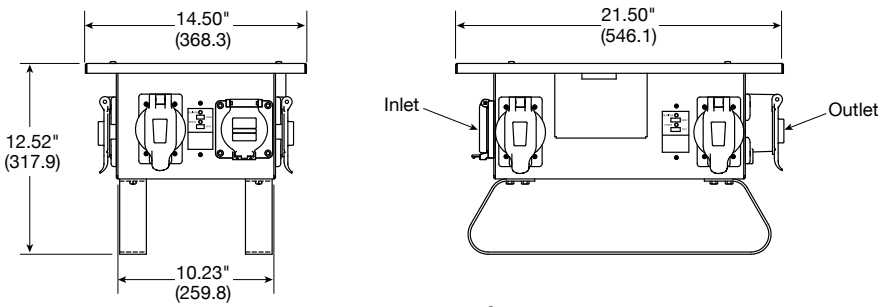
### Boxes

| | |
|---|---|
| Listings/Certifications | UL1640, UL943 |
| Operation | Indoor and outdoor wet and dry locations |
| Enclosure Type | 3R, rainproof, suitable for use in damp locations |
| Code Compliance | NEC®, ANSI/NFPA 70 |

### Cables

| | |
|---|---|
| Listings/Certifications | Connectors: UL/CSA; Cable: MSHA |
| Operation | Indoor and outdoor wet and dry locations |

## Dimensions




*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Heavy-Duty Portable Outlet Boxes and Cover Plates

| Description | Catalog Number |
|---|---|
| Box with cord strain relief, with one blank cover plate. | **HBLPOB1** |
| White box with cord strain relief, one blank white cover plate. | **HBLPOB1L** |
| Box with cord strain relief, with one blank cover plate, black. | **HBLPOB1BK** |
| Box with cord strain relief, with two duplex (indoor) cover plates. | **HBLPOB1D** |
| White box with cord strain relief, with two white duplex (indoor) cover plates. | **HBLPOB1DL** |
| Box with cord strain relief, with two duplex (indoor), yellow cover plates. | **HBLPOB1DY** |
| Blank, non-metallic FS cover plate with foam gasket, gray. | **HBLP14FS** |
| Blank, non-metallic FS cover plate with foam gasket, white. | **HBLP14FSL** |
| Duplex, non-metallic FS cover plate, gray | **HBLP8FS** |
| Duplex, non-metallic FS cover plate, white. | **HBLP8FSL** |
| Duplex, non-metallic FS cover plate, yellow. | **HBLP8FSY** |
| Single receptacle (1.39"), non-metallic FS cover plate, gray. | **HBLP7FS** |
| Single receptacle (1.56"), non-metallic FS cover plate, gray. | **HBLP720FS** |
| Rectangular opening, non-metallic FS cover plate, gray. | **HBLP26FS** |
| Rectangular opening, non-metallic FS cover plate, White. | **HBLP26FSL** |



**HBLPOB1**

## Other Cover Plates and Devices
**which may be used with Heavy-Duty Portable Outlet Boxes**

| Description | Catalog Number |
|---|---|
| Duplex cover plate, weatherproof. Single receptacle (1.39") cover plate, weatherproof Single receptacle (1.56") cover plate, weatherproof. Safety-Shroud Twist-Lock® surface receptacles. | **HBL5221, HBL52CM2, HBL7423WO, HBL74CM23WO, HBL7425WOA, HBL2310SR, HBL74CM25WOA, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR** |

*Note: Standard product gray, CM yellow.*



**Cover Plates**

## Deluxe Cord Grips Straight Male Thread
**Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables**

| Grip Diameter Range Inches | (mm) | Thread Size NPT (inches) | Form Size | Catalog Number |
|---|---|---|---|---|
| .375"-.500" | (9.5-12.7) | ¾" | F3 | **074011335** |
| .500"-.625" | (12.7-15.9) | ¾" | F3 | **074011336** |
| .625"-.750" | (15.9-19.0) | ¾" | F3 | **074011337** |

## Gray Nylon Cord Connector Straight Male Thread

| Grip Diameter Range Inches | (mm) | Thread Size NPT (inches) | Form Size | Catalog Number |
|---|---|---|---|---|
| .375"-.500" | (9.5-12.7) | ¾" | F3 | **SHC1035CR** |
| .500"-.625" | (12.7-15.9) | ¾" | F3 | **SHC1036CR** |
| .625"-.750" | (15.9-19.0) | ¾" | F3 | **SHC1037CR** |



**Deluxe Cord Grips (purchased separately)**



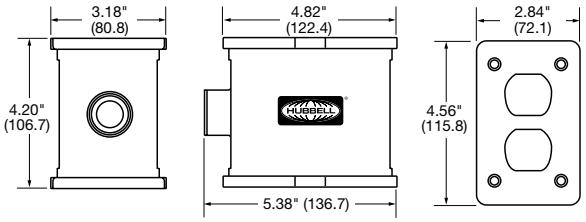
**Gray Nylon Cord Connector**

## Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

| | |
|---|---|
| UL Listed | UL514C, UL467 and UL50 Enclosures Types 1, 3R. |
| CSA Certified | 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance). |
| Box Specifications: | |
| Moisture Resistance | Wet and damp locations, enclosure Type 3R when used with weatherproof cover plates; Dry, indoors locations, enclosure Type 1 with all other cover plates |
| Flammability | UL94V-0, 94-5VA classification |
| Operating Temperature | 80°C maximum; -35°C minimum |
| UV Resistance | All materials are UV stabilized |
| Impact and Crush Resistance | In accordance with UL514C, UL50, C22.2 No. 18 and C22.2 No. 94 |
| Material | Valox® |
| Cord Connector Materials | Nylon nut; nylon Gotcha® ring; neoprene grommet |
| Cord Diameter Range | .38" to .75" diameter |
| Bonding Strap Material | Brass |
| Threaded Inserts | Brass |
| Grounding Screw Material | Brass |
| Indoor Cover Plate Screws Material | Zinc plated steel |
| Outdoor Cover Plate Screws Material | Stainless steel |
| Cover Plate Gasket Material | UL recognized closed-cell foam (aging and oil resistant) |

## Dimensions

**HBLPOB1**




*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

*Dimensions in Inches (mm)*

## Construction Site Lighting

Hubbell's outdoor approved construction site lighting line includes both heavy duty metal halide lights and light strings for working in rugged environments. The metal halide fixtures feature extremely strong and compact heads with bulbs rated to last 10,000 hours. All frames are powder-coated yellow for safety and are constructed of a durable 1.25 inch, 12 gauge steel tube.

We have light strings for all applications in a variety of models as well as a choice of metal or plastic guards. Light sockets are spaced 10 feet apart and all sockets, plugs, and connectors are molded for added durability. In addition, the highly impact-resistant material makes for easy transportation and storage when not in use. Bulbs can be incandescent, fluorescent or LED. Consider choosing LED lighting for a durable bulb that saves energy, provides instant illumination and are rated to last 50,000 hours.





HBLMHHB400

## Metal Halide and LED Lights

| Description | Rating | Watts | Lumen Output | Cord Length | Catalog Number |
|---|---|---|---|---|---|
| High bay metal halide light with wire guard. | 15A 125V | 400 | 29,000 | 3 ft. | **HBLMHHB400** |
| High bay LED light with wire guard. | 15A 125V | 120 | 14,000 | 5 ft. | **HBLLEDHB120** |
| | 15A 125V | 100 | 12,000 | 5 ft. | **HBLLEDHB100** |
| | 15A 125V | 60 | 7,200 | 5 ft. | **HBLLEDHB60** |



HBLLEDHB120

## LED Stringer Lights

| Description | No. of Fixtures | Rating | Cord Type | Lumen Output | Cord Length | Catalog Number |
|---|---|---|---|---|---|---|
| 90 LEDs per fixture, light string with magnetic base included. | 1 | 15A 125V | #18/2 SJTW | 450* | 20 ft. | **HBL182S20LED** |
| 90 LEDs per fixture, light string. | 5 | 15A 125V | #18/2 SJTW | 450* | 50 ft. | **HBL182S50LED** |
| | 10 | 15A 125V | #18/2 SJTW | 450* | 100 ft. | **HBL182S100LED** |
| 60 LEDs per fixture, light string with magnetic base included. | 1 | 15A 125V | #18/2 SJTW | 1,100* | 20 ft. | **HBL182S20LEDH** |
| | 5 | 15A 125V | #18/2 SJTW | 1,100* | 50 ft. | **HBL182S50LEDH** |
| Magnetic clip bracket for LED light string. | | | | | | **HBLSTMC** |

*Note: *Lumens per fixture.*



HBL182S50LEDH

## A Type (Edison) Twist-Lock® and Straight Blade Light Strings

| Description | Max Watts** | Rating | Cord Type | Fixtures | Cord Length | Catalog Number |
|---|---|---|---|---|---|---|
| Twist-Lock® light string; plastic guards. | 150 | 20A 125V | #12/3 STJW | 10 | 100 ft. | **HBL123SJ100PT** |
| Straight Blade light string; plastic guards. | 150 | 15A 125V | #14/2 STJW | 10 | 100 ft. | **HBL142SJ100PS** |
| | 150 | 15A 125V | #14/3 STJW | 10 | 100 ft. | **HBL143SJ100PS** |
| | 150 | 15A 125V | #12/3 STW | 10 | 100 ft. | **HBL123S100PS** |
| | 150 | 15A 125V | #12/3 STJW | 10 | 100 ft. | **HBL123SJ100PS** |
| Straight Blade light string; metal guards. | 150 | 15A 125V | #12/3 STW | 10 | 100 ft. | **HBL123S100MS** |
| Straight Blade light string; plastic guards. | 150 | 15A 125V | #12/3 STW | 5 | 50 ft. | **HBL123S50PS** |
| Straight Blade light string; metal guards. | 150 | 15A 125V | #12/3 STW | 5 | 50 ft. | **HBL123S50MS** |
| Replacement plastic guard for temporary light strings. | | | | | | **HBLSTPG** |
| Replacement heavy duty metal guard for temporary light strings. | | | | | | **HBLSTMG** |

*Note: **Max watts per fixture. **HBL143SJ100PS** light strings are rated for 1875 Watts total. The total wattage must be considered when daisy chaining lights strings to each other.*



HBL143SJ100PS



HBLSTMC



HBLSTMG



HBLSTPG

## Maintenance and Work Lights

Choose Hubbell industrial work lights for maximum user safety. The fluorescent lights are designed with all electrical components located inside a closed chamber for your protection. Lamps stay cool while spreading light over large areas. Work light models can be paired with an adjustable hanging kit or magnetic mounts for positioning flexibility.

Portable work lights can be transported and re-mounted.

Long cords allow free movement in work space.



## LED Maintenance Worklights

| Description | Outlet Rating | Rating | Wattage | Lumen Output | Cord Type | Cord Length | Catalog Number |
|---|---|---|---|---|---|---|---|
| LED Industrial maintenance light, 1 vertical hanging hook included. | N/A | 15A 125V | 20 | 2400 | #16/3 SJEOW | 25 ft. | **HBLML2825L** |
| LED worklight with end light feature. | N/A | 15A 125V | 9 | 920/120 | #18/2 SJTOW | 25 ft. | **HBLWL25LED** |
| LED worklight with end light feature and tool tap. | 12 Amp | 15A 125V | 9 | 920/120 | #16/3 SJTOW | 25 ft. | **HBLWL25LEDT** |



**HBLML2825L**

## Fluorescent Maintenance Worklights

| Description | Outlet Rating | Rating | Wattage | Lumen Output | Cord Type | Cord Length | Catalog Number |
|---|---|---|---|---|---|---|---|
| Fluorescent worklight with straight blade plug. | N/A | 15A 125V | 13 | 825 | #16/3 SJTOW | 25 ft. | **TW25F1** |



**HBLWL25LED**

## Accessories and Replacement Items

| Description | Catalog Number |
|---|---|
| Magnetic mounting bracket for ML style lights, 82 lb. capacity. | **HBLMLMM** |
| Magnetic mounting bracket for WL style lights, 58 lb. capacity. | **HBLWLMM** |
| Replacement rough service fluorescent bulb for 13 watt style lamps. | **HBLREPPFB** |
| Replacement LED panel fixture, 90 LEDs, 450 lumen. | **HBLREP450LED** |
| 5 base LED string only, 50 ft., 18/2. | **HBLREP182S50** |
| 10 base LED string only, 100 ft., 18/2. | **HBLREP182S100** |



**TW25F1**



**HBLMLMM**



**HBLWLMM**



**HBLREP182S50**

## Pre-Wired Portable Outlet Boxes, Worklights and Accessories



SPB1

### Pre-Wired Portable Outlet Boxes

| Description | Catalog Number |
|---|---|
| 25 ft. with 2-15A, 125V, straight blade single receptacles and 1-15A, 125V straight blade plug and boot. | **SPB1** |
| 25 ft. with 2-20A, 125V, Twist-Lock® single receptacles and 1-20A, 125V Twist-Lock® plug and boot. | **SPB2** |



SPB2

### Worklights and Accessories

| Description | Catalog Number |
|---|---|
| Temporary low voltage worklight with cigarette lighter plug, 20 ft. cord. | **TWLV20F** |
| Non-metallic temporary worklight hook. | **TWH** |



TWLV20F

### Specifications

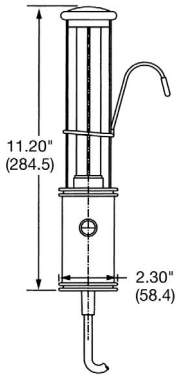
| Temporary Worklights | |
|---|---|
| Listing/Certification | UL298 and cUL portable electric hand lamps |
| Environment | Dry, indoor locations |
| Fluorescent Lamp | 13 watt twin tube only |

| Battery Pack and Charger | |
|---|---|
| Environment | Indoor and outdoor dry locations |
| Fluorescent Lamp Life | Fully charged-5 hour approx |
| Charge Time | Fully charged-16 hours approx |
| Battery Rating | 12 volt |

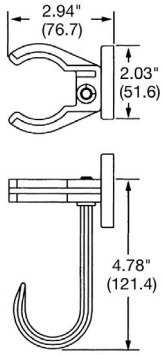


TWH

### Light Fixture




### Worklight Hook




*Dimensions in Inches (mm)*

## Features and Benefits

### 20, 60 & 100 Amp Stage Pin Devices

Drawing on over a hundred years of expertise, Hubbell Wiring Device-Kellems sets the standard for innovation, performance, durability, safety and convenience. Our philosophy is never leaving well enough alone. We believe we can always make our products better—and the record shows we have.

When it comes to stage pin products, we listened…

The result is a removable sleeve that is highly heat stable and heat resistant. It does not allow the heat generated at the connection to negatively impact the device. Like phenolic devices of the past, this modern innovation will provide for a cool running device that is simple and convenient to wire.

The super tough engineered thermoplastic enclosure makes the device:
- Lightweight
- Impact resistant
- Easy to handle

**Our design delivers 'The Best of Both Worlds!'**



Male Inline
(Open to Show Contacts)



### Housing Design

- Durable thermoplastic construction is lightweight, highly durable thermoplastic body for maximum impact resistance
- Ergonomic shape for easy insertion and withdrawal from mating devices



### Contacts

- High performance brass contacts provide improved performance and extended life by reducing operating temperatures
- Heat resistant sleeves patent pending, highly stable and heat resistant contact shrouds provide phenolic functionality with a modern twist



### Safety

- Highly secure terminations, stainless steel double set screws with fine pitch threads maximize termination strength for cooler running connections
- Ring terminal and double set screw termination options are available for 60A and 100A panel mounts



### Wiring

- Simplified wiring, with removable contacts that snap back into place for greater wiring flexibility and simplicity
- Adjustable strain relief, accommodates the widest range of cables all in one device while exceeding UL requirements

### Single Cable Sets and Breakouts in One Device

| Device | Cable Combination | | Device | Cable Combination | |
|---|---|---|---|---|---|
| 60A/125V | (3) #6 SC<br>(6) #6 SC<br>(2) #4 SC<br>#8/3<br>#6/3<br>#4/3 | (1) #6 SC<br>TYPE W<br>SOOW<br>TYPE W | 100A/125V<br>100A/250V | (2) #4 SC<br>(4) #4 SC<br>(2) #2 SC<br>#6/3 AWG<br>#4/3 AWG | (1) #6 SC<br>(2) #6 SC<br>(1) #6 SC<br>TYPE W<br>TYPE W |






## 20 Amp Stage Pin Devices

| Description | Voltage | Termination | Color | Catalog Number |
|---|---|---|---|---|
| Male Inline<br>Male Inline Bulk Pack<br>Male Inline | 125V | Double Set Screw | Black<br>Black<br>Clear | **HBL20SPM**<br>**HBL20SPMOEM**<br>**HBL20SPMC** |
| Female Inline<br>Female Inline Bulk Pack<br>Female Inline | 125V | Double Set Screw | Black<br>Black<br>Clear | **HBL20SPF**<br>**HBL20SPFOEM**<br>**HBL20SPFC** |
| Male Panel Mount (Inlet)<br>Female Panel Mount | 125V | Double Set Screw | Black | **HBL20SPMR**<br>**HBL20SPFR** |




## 60 Amp Stage Pin Devices

| Description | Voltage | Termination | Color | Catalog Number |
|---|---|---|---|---|
| Male Inline<br>Female Inline | 125V | Double Set Screw | Black | **HBL60SPM**<br>**HBL60SPF** |
| Male Panel Mount | 125V | Double Set Screw<br>Ring Terminal | Black | **HBL60SPMR**<br>**HBL60SPMRRT** |
| Female Panel Mount | 125V | Double Set Screw<br>Ring Terminal | Black | **HBL60SPFR**<br>**HBL60SPFRRT** |




## 100 Amp Stage Pin Devices

| Description | Voltage | Termination | Color | Catalog Number |
|---|---|---|---|---|
| Male Inline<br>Female Inline | 125V | Double Set Screw | Black | **HBL100SPM**<br>**HBL100SPF** |
| Male Panel Mount | 125V | Double Set Screw<br>Ring Terminal | Black | **HBL100SPMR**<br>**HBL100SPMRRT** |
| Female Panel Mount | 125V | Double Set Screw<br>Ring Terminal | Black | **HBL100SPFR**<br>**HBL100SPFRRT** |
| Male Inline<br>Female Inline | 250V | Double Set Screw | Yellow | **HBL106SPM**<br>**HBL106SPF** |
| Male Panel Mount | 250V | Double Set Screw<br>Ring Terminal | Yellow | **HBL106SPMR**<br>**HBL106SPMRRT** |
| Female Panel Mount | 250V | Double Set Screw<br>Ring Terminal | Yellow | **HBL106SPFR**<br>**HBL106SPFRRT** |



# Convention Center Pin and Sleeve Devices

## Features and Benefits

### Convention Center Pin and Sleeve Devices

Hubbell's newest offering of 60A, 4P 5W, 277/480V AC, pin and sleeve devices are specifically designed and built to meet the demanding needs of Convention Centers and provide reliable performance for power distribution.

These devices are certified to UL 1682 & UL 2305, with a light-weight, low profile, polycarbonate construction, that mate with the current installed base, and are able to accept both round and flat cable.






**Housing Design**

- Manufactured in a durable light-weight polycarbonate construction to withstand heavy impact
- Full Line: Plug, Connector, Receptacle, and Inlet
- 60A, 4P 5W, 277/480V AC



**Contacts**

- Brass pins to maximize conductivity



**Safety**

- First to mate and last to break ground pin
- Mates with existing installed base



**Wiring**

- Single device that accepts both round and flat cable



HBL5607P



HBL5607C



HBL5607B



HBL5607R

## Convention Center Pin and Sleeve Devices

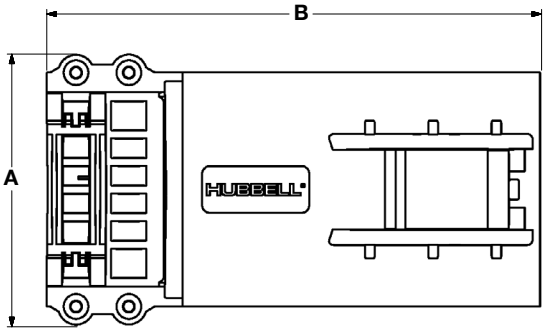
| Description | Catalog Number |
|---|---|
| Pin and Sleeve, 4P 5W, 60A 277/480V AC, Plug | **HBL5607P** |
| Pin and Sleeve, 4P 5W, 60A 277/480V AC, Connector | **HBL5607C** |
| Pin and Sleeve, 4P 5W, 60A 277/480V AC, Inlet | **HBL5607B** |
| Pin and Sleeve, 4P 5W, 60A 277/480V AC, Receptacle | **HBL5607R** |

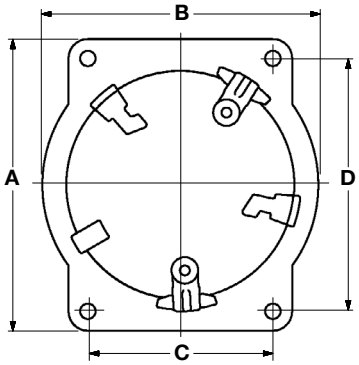
## Specifications

| | |
|---|---|
| Pole/Wire Configuration | 4-pole, 5-wire grounding |
| Voltage Rating | 60A, 277/480V AC |
| Material | Polycarbonate |
| Contacts | Brass |

## Product Dimensions Inches (mm)

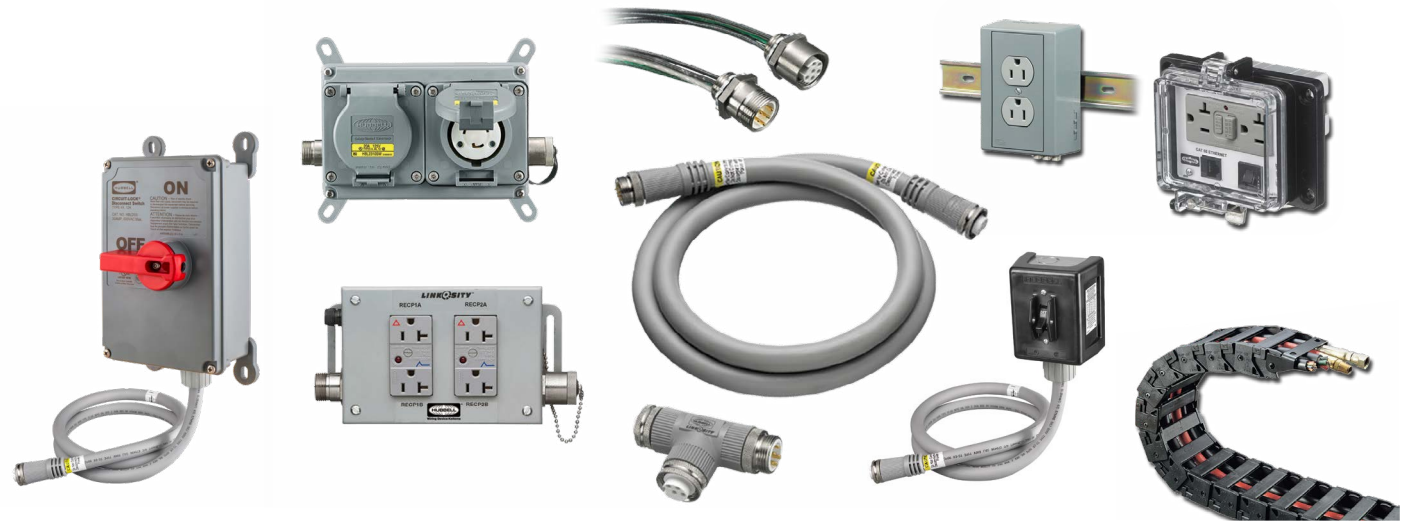
| Catalog Number | A | B | C | D |
|---|---|---|---|---|
| **HBL5607P** | 6.36" (161.5) | 3.46" (87.9) | — | — |
| **HBL5607C** | 6.49" (164.8) | 3.46" (87.9) | — | — |
| **HBL5607B** | 3.75" (95.3) | 3.37" (85.5) | 2.38" (60.3) | 3.25" (82.6) |
| **HBL5607R** | 3.75" (95.3) | 3.54" (89.9) | 2.38" (60.3) | 3.25" (82.6) |



# SECTION I

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**MotorQuick® Disconnect Switches**



**DRUB and PANEL-SAFE®**




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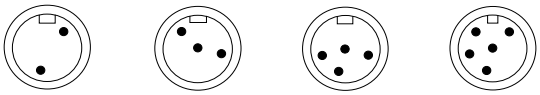
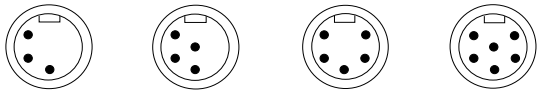
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## LINKOSITY® Power Components - Cables and Receptacles

| Device Type | Ratings | Wires | Conductor Colors** | Length (FT) |
|---|---|---|---|---|
| <br>**PH** = Double Ended Cable with Male/Female Straight<br>**PM** = Male Single Ended Straight<br>**PN** = Male Single Ended 90°<br>**PF** = Female Single Ended Straight<br>**PG** = Female Single Ended 90°<br>**PQ** = Double Ended Cable with Female 90°<br>**PR** = Double Ended Cable with Male 90°<br>**PS** = Double Ended Cable with (2) 90° Connectors<br><br>**RF** = Female Receptacle*<br><br>**RM** = Male Receptacle (Inlet)* | **20** = 20A up to 600V | **02**<br>**03**<br>**04**<br>**05** | **PA** = Green/Yellow<br>Black (all others)<br><br>**PB** = Green/Yellow<br>White<br>Black (all others)<br><br>**PE** = All Blue*** | **001** = 1'<br>**005** = 5'<br>**010** = 10'<br>**015** = 15'<br>**020** = 20'<br>**025** = 25'<br>**030** = 30'<br>**035** = 35'<br>**040** = 40'<br>**045** = 45'<br>**050** = 50' |
| | **23** = 20A up to 600V<br>Specialty construction<br>(Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only) | **03**<br>**04**<br>**05**<br>**06** | | |
| | **30** = 30A up to 600V | **04** | | |
| ***Example: PH*** | ***23*** | ***06*** | ***PB*** | ***005*** |

*Note: *½" NPT rear thread.*
***Other color codes available upon request.*
****Two wire only.*

## Configurations (Male face view shown, female view is opposite)

| | |
|---|---|
| **20 AMP** |  |
| **20A SNIG**<br>(with super neutral and IG) |  |
| **30 AMP** |  |

## Tees



**TX2304002304T00**

| Description | Catalog Number |
|---|---|
| LINKOSITY® M/F/F Tee, 20A, 2P | **TX2002002002T00** |
| LINKOSITY® M/F/F Tee, 20A, 3P | **TX2003002003T00** |
| LINKOSITY® M/F/F Tee, 20A, 4P | **TX2004002004T00** |
| LINKOSITY® M/F/F Tee, 20A, 5P | **TX2005002005T00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, 4P | **TX2304002304T00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, 6P | **TX2306002306T00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap | **TX2306002304A00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap | **TX2306002304B00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap | **TX2306002304C00** |
| LINKOSITY® M/F/F Tee, 30A, 4P | **TX3004003004T00** |

## Closure Caps



**CCMBC**

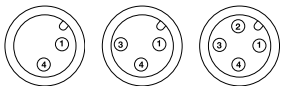
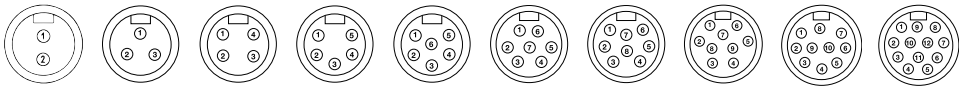
| Description | For use with Female Receptacle | Male Inlet |
|---|---|---|
| 20A and 30A Receptacle Closure Cap | **CCMBC** | **CCFBC** |

## LINKOSITY® Control Integration Components - Cables and Receptacles

| Device Type | Ratings | Wires | Conductor Colors** | Length (FT) |
|---|---|---|---|---|
| <br>**PH** = Double Ended Cable with Male/Female Straight<br>**PM** = Male Single Ended Straight<br>**PN** = Male Single Ended 90°<br>**PF** = Female Single Ended Straight<br>**PG** = Female Single Ended 90°<br>**PQ** = Double Ended Cable with Female 90°<br>**PR** = Double Ended Cable with Male 90°<br>**PS** = Double Ended Cable with (2) 90° Connectors<br><br>**RF** = Female Receptacle*<br><br>**RM** = Male Receptacle (Inlet)* | **03** = 3A - 2W, 4W up to 300V | **02**<br>**04** | **PA** = Green/Yellow<br>Black (all others) | **001** = 1'<br>**005** = 5'<br>**010** = 10'<br>**015** = 15'<br>**020** = 20'<br>**025** = 25'<br>**030** = 30'<br>**035** = 35'<br>**040** = 40'<br>**045** = 45'<br>**050** = 50' |
| | **R3** = 3A - 2W, 3W, 4W up to 300V | **02**<br>**03**<br>**04** | **PB** = Green/Yellow<br>White<br>Black (all others) | |
| | **10** = 10A - 2W, 3W, 4W, 5W<br>10A - 6W, 7W, 8W, 9W<br>7A - 10W, 12W<br>up to 600V | **02**<br>**03**<br>**04**<br>**05**<br>**06**<br>**07**<br>**08**<br>**09**<br>**10**<br>**12** | **PE** = All Blue*** | |
| ***Example: PH*** | ***10*** | ***06*** | ***PB*** | ***005*** |

*Note: *½" NPT rear thread.*
***Other color codes available upon request.*
****Two wire only.*

## Configurations (Male face view shown, female view is opposite)

| | | |
|---|---|---|
| **03** |  | Typically used for inputs in DC control circuits |
| **R3*** |  | Typically used for outputs in DC control circuits |
| **10** |  | |

*Note: *Reverse key.*

## Splitters/Tees

| Description | Catalog Number |
|---|---|
| LINKOSITY® M/F/F Splitter, 3A/4W | **TX0304000304T00** |
| LINKOSITY® M/F/F Tee, 10A, 2 Pole | **TX1002001002T00** |
| LINKOSITY® M/F/F Tee, 10A, 3 Pole | **TX1003001003T00** |
| LINKOSITY® M/F/F Tee, 10A, 4 Pole | **TX1004001004T00** |
| LINKOSITY® M/F/F Tee, 10A, 5 Pole | **TX1005001005T00** |
| LINKOSITY® M/F/F Tee, 10A, 6 Pole | **TX1006001006T00** |



**TX1004001004T00**

## Closure Caps

| Description | For use with Female Receptacle | Male Inlet |
|---|---|---|
| 3A Closure Cap | **CCM1C** | **CCF1C** |
| 10A Closure Cap, 2, 3, 4, 4, 5 and 6 Pole | **CCMAC** | **CCFAC** |
| 10A Closure Cap, 7 and 8 Pole | **CCMBC** | **CCFBC** |
| 10A Closure Cap, 9, 10, 12 Pole | **CCMCC** | **CCFCC** |



**CCFAC**

## Power System Distribution Assemblies

- Available with up to 5 receptacles, wide variety of NEMA receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY® power cable and receptacle
- 16 gauge sheet metal enclosure ANSI 61 gray powder coat NEMA 1
- Device identification marking
- Versatile mounting provision
- Local or master switch




**MSL3L1IGP**

*Note: Accepts PH2304 series cables.*

### Straight Blade - UL Type 1

| Device Type | Switch Types | # Receps | Receptacle Type | Receptacle Feature | Pass-thru | Custom Configurations* |
|---|---|---|---|---|---|---|
| **M** | **SL** = Switch Local<br>**SM** = Switch Master<br>**00** = No Switch | **1**<br>**2**<br>**3**<br>**4**<br>**5** | **SG** = Spec Grade<br>**HG** = Hospital Grade<br>**CR** = Corrosion Resistant | **IG** = Isolated Ground<br>**GF** = Ground Fault<br>**SS** = Surge Suppression<br>**00** = Standard | **P** = Pass-thru**<br>**0** = No Pass-thru | **D** = 2 Circuit<br>**A** = A Phase<br>**B** = B Phase<br>**C** = C Phase |
| **Example: M** | **SL** | **1** | **SG** | **00** | **P** | |

### Twist-Lock® - UL Type 1

| Device Type | Switch Types | # Receps | Receptacle Type | Receptacle Feature | Pass-thru | Custom Configurations* |
|---|---|---|---|---|---|---|
| **M** | **SL** = Switch Local<br>**SM** = Switch Master<br>**00** = No Switch | **1**<br>**2**<br>**3**<br>**4**<br>**5** | **L1** = 15A<br>**L2** = 20A | **IG** = Isolated Ground<br>**00** = Standard | **P** = Pass-thru<br>**0** = No Pass-thru | **6** = 250V |
| **Example: M** | **00** | **3** | **L1** | **IG** | **0** | |

*Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles. Consult factory for alternate wiring schemes.*
**Consult factory for wiring specifications and connecting cables.*
***Pass-thru on phase tap boxes are 3Ø.*

### Switch Only (ON/OFF) - UL Type 1

| Device Type | Switch Types | Switch Style | Poles |
|---|---|---|---|
| **S** | **1** = 1 Gang<br>**2** = 2 Gang<br>**3** = 3 Gang | **2W** = ON/OFF | **1P** = Single Pole<br>**DP** = Two Pole |
| **Example: S** | **1** | **2W** | **1P** |

### Switch Only (4-Way) - UL Type 1

| Device Type | Switch Types | Switch Style |
|---|---|---|
| **S** | **1** = 1 Gang | **4W** = 4 Way |
| **Example: S** | **1** | **4W** |

### Switch Only (3-Way) - UL Type 1

| Device Type | Switch Types | Switch Style | Position |
|---|---|---|---|
| **S** | **1** = 1 Gang | **3W** = 3 Way | **M** = Main<br>**R** = Remote<br>**LM** = Line to Main<br>**LR** = Load to Remote |
| **Example: S** | **1** | **3W** | **M** |

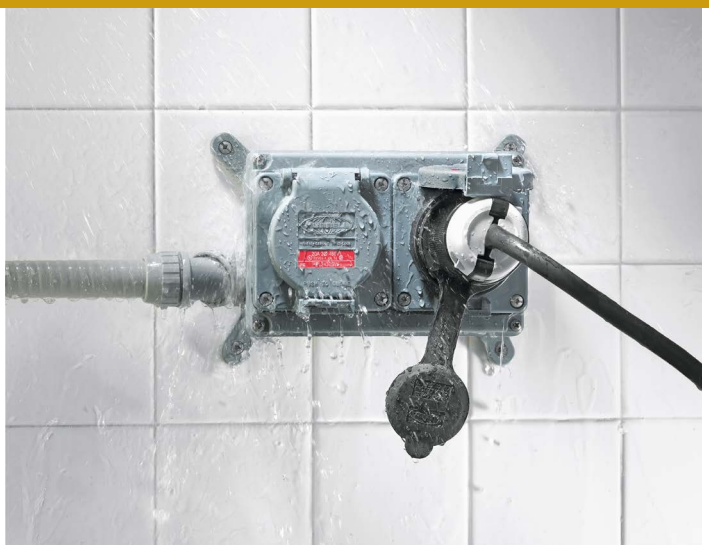
*Note: For use with Px2304PBxxx series cables.*

### Features

| Receptacle Types | | CR | HG | SG | L1 |
|---|---|---|---|---|---|
| **00** | Standard | **HBL53CM62** | **HBL8300GY** | **5362G** | **HBL4700** |
| **IG** | Isolated Ground | — | — | **CR5352IGGY** | **IG4700A** |
| **GF** | Ground Fault | — | **GFRST83GY** | **GFRST20GY** | — |
| **SS** | Surge Suppression | — | **HBL8362GYSA** | **HBL5362GYSA** | — |
| Switch Types | | CR | HG | SG | L1 |
| **SL** | Local ON/OFF | — | — | **HBL1221PL** | — |
| **SM** | Master ON/OFF | — | — | **HBL1221PL** | — |

## LINKOSITY® UL Type 3R and 4X Rated Assemblies

- Available with switch, ground fault, corrosion resistant or isolated ground receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY® power cable and receptacle
- UL Type 3R and 4X Rated
- Device identification marking
- Versatile mounting provision



## LINKOSITY® Feed - UL Type 3R Rated*

### 3R Rated Standard Items

| Description | Catalog Number |
|---|---|
| 20A 125V Ground Fault | **M3R002SGGF0** |
| 20A 125V Switched, Spec Grade | **M3RSL1SG000** |
| 20A 125V Switched, Ground Fault | **M3RSL1SGGF0** |
| 20A 125V Spec Grade | **M3R002SG000** |
| 20A 125V Ground Fault, Pass-Thru | **M3R002SGGFP** |
| 20A 125V Switched, Spec Grade, Pass-Thru | **M3RSL1SG00P** |
| 20A 125V Switched, Ground Fault, Pass-Thru | **M3RSL1SGGFP** |
| 20A 125V (2) Switches | **M3R2SG000** |
| 20A 125V 1-Gang Ground Fault | **M3R001SGGF0** |
| 20A 125V Corrosion Resistant | **M3R002CR000** |
| 20A 125V Isolated Ground | **M3R002SGIGP** |
| 20A 125V Spec Grade, Pass-Thru | **M3R002SG00P** |

*Note: *When cover closed.*





| Device Type | Style | Type | No. of Devices | Device Type | Device Feature | Pass-Thru |
|---|---|---|---|---|---|---|
| **M** | **3R** - 3R Lids<br>**3D** - 3R Deep Cover | **SL** - Switch Local<br>**SM** - Switch Master<br>**00** - None | **1**<br>**2** | **SG** - Spec Grade<br>**HG** - Hospital Grade<br>**CR** - Corrosion Resistant<br>**L1** - 15A Locking | **IG** - Isolated Ground<br>**GF** - Ground Fault<br>**SI** - Surge/IG<br>**SS** - Surge<br>**00** - Standard | **P** - Pass-Thru<br>**0** - No Pass-Thru |

## Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| For Power Distribution Assemblies. | **HBLRFT1**$^{\Delta}$ |

*Note: $^{\Delta}$ Package of 10 mounting feet and 10 screws.*



## LINKOSITY® Feed - UL Type 4X Rated**

### 4X Rated NEMA Standard Items

| Description | Catalog Number |
|---|---|
| 20A 125V Straight Blade† | **MLWF2010** |
| 20A 125V WTSSTL | **MLWF2020** |
| 20A 125V Straight Blade, Pass-Thru | **MLWF201P** |
| 20A 125V WTSSTL, Pass-Thru | **MLWF202P** |
| 20A 125/250V WTSSTL, No Pass-Thru | **MLWF2070** |
| 30A 125V WTSSTL, No Pass-Thru | **MLWF1050** |
| 30A 250V WTSSTL, No Pass-Thru | **MLWF1060** |
| 30A 125V WTSSTL, No Pass-Thru | **MLWF2050** |
| 30A 250V WTSSTL, No Pass-Thru | **MLWF2060** |

## All LINKOSITY® - UL Type 4X Rated•

### 4X Rated LINKOSITY Standard Items

| Description | Catalog Number |
|---|---|
| 20A 3W up to 600V, 4 Port | **M4L2003PB0** |
| 20A 3W up to 600V, 4 Port Pass-Thru | **M4L2003PBP** |

## Conduit Feed - UL Type 4X Rated**

### Conduit Feed Standard Items

| Description | Catalog Number |
|---|---|
| 20A 125V Straight Blade | **MCWF2010** |
| 20A 125V WTSSTL | **MCWF2020** |
| 20A 250V WTSSTL | **MCWF2030** |
| 20A 277V WTSSTL | **MCWF2040** |
| 30A 125V WTSSTL | **MCWF2050** |
| 30A 250V WTSSTL | **MCWF2060** |
| 20A 125/250V WTSSTL | **MCWF2070** |
| 20A 3Ø, 250V WTSSTL | **MCWF2080** |
| 20A 3Ø, 480V WTSSTL | **MCWF2090** |
| 30A 125/250V WTSSTL | **MCWF2100** |
| 30A 3Ø 250V WTSSTL | **MCWF2110** |
| 30A 3Ø 480V WTSSTL | **MCWF2120** |
| 30A 3Ø 600V WTSSTL | **MCWF2130** |

*Note: **Watertight Safety-Shroud® Twist-Lock® Plug required when in use.*
*†Straight Blade are UL Type 4X when not in use only.*
*•Closure cap required when not in use.*
*Accepts PH2304 series cables.*
*WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.*





| Device Type | Style | Type | No. of Devices | Device Type | Pass-Thru |
|---|---|---|---|---|---|
| **M** | **L** - LINKOSITY | **WF** - Watertight Safety-Shroud Receptacle<br><br>**WM** - Watertight Safety-Shroud Inlet | **1**<br>**2** | **01** - 20A 125V Straight Blade†<br>**02** - 20A 125V Twist-Lock<br>**03** - 20A 250V Twist-Lock<br>**04** - 20A 277V Twist-Lock<br>**05** - 30A 125V Twist-Lock<br>**06** - 30A 250V Twist-Lock<br>**07** - 20A 125/250V Twist-Lock<br>**08** - 20A 3Ø 250V Twist-Lock<br>**09** - 20A 3Ø 480V Twist-Lock<br>**10** - 30A125/250V Twist-Lock<br>**11** - 30A 3Ø 250V Twist-Lock<br>**12** - 30A 3Ø 480V Twist-Lock<br>**13** - 30A 3Ø 600V Twist-Lock | **P** - Pass-Thru<br>**0** - No Pass-Thru |





| Device Type | Style | Type | No. of Poles | Conductor Colors | Pass - Thru |
|---|---|---|---|---|---|
| **M** | **4L** - LINKOSITY | **20** - 20A<br><br>**23** - 20A Super Neutral Isolated Ground<br><br>**30** - 30A | **02**<br>**03**<br>**04**<br>**05**<br>**06** | **PA** - Green/Yellow<br>Black (all others)<br><br>**PB** - Green/Yellow<br>White<br>Black (all others) | **P** - Pass-Thru<br>**0** - No Pass-Thru |



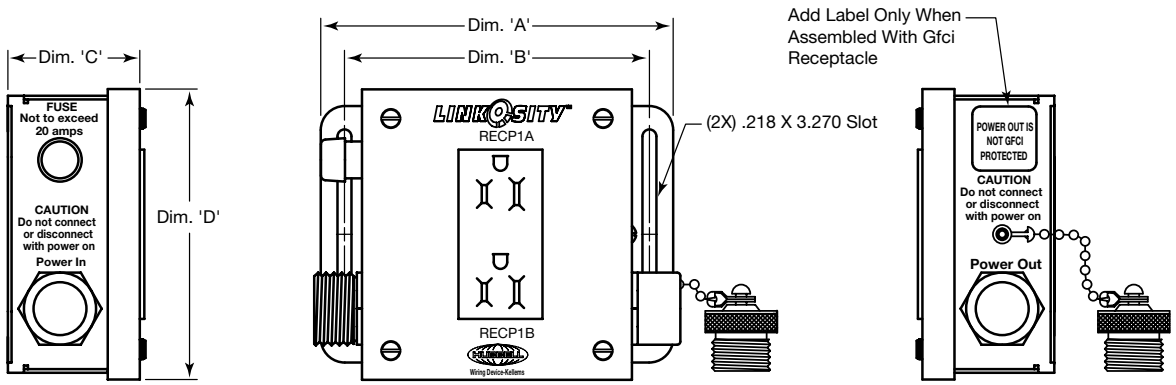
| Device Type | Style | Type | No. of Devices | NEMA Device Type | Pass-Thru |
|---|---|---|---|---|---|
| **M** | **C** - Conduit Feed | **WF** - Watertight Safety-Shroud Receptacles<br><br>**WM** - Watertight Safety-Shroud Inlet | **2** | **01** - 20A 125V Straight Blade<br>**02** - 20A 125V Twist-Lock<br>**03** - 20A 250V Twist-Lock<br>**04** - 20A 277V Twist-Lock<br>**05** - 30A 125V Twist-Lock<br>**06** - 30A 250V Twist-Lock<br>**07** - 20A 125/250V Twist-Lock<br>**08** - 20A 3Ø 250V Twist-Lock<br>**09** - 20A 3Ø 480V Twist-Lock<br>**10** - 30A125/250V Twist-Lock<br>**11** - 30A 3Ø 250V Twist-Lock<br>**12** - 30A 3Ø 480V Twist-Lock<br>**13** - 30A 3Ø 600V Twist-Lock | **0** - No Pass-Thru |



## Replacement Mounting Feet

| Description | Catalog Number |
|---|---|
| For Power Distribution Assemblies. | **HBLRFT1**Δ |

*Note: Δ Package of 10 mounting feet and 10 screws.*




Catalog Number M001****P Shown

| Catalog Number | Gangs | Dimension 'A' | Dimension 'B' | Dimension 'C' | Dimension 'D' |
|---|---|---|---|---|---|
| **M001****P** | 1 | 5.50 (139.7) | 4.75 (120.7) | 2.25 (57.2) | 4.53 (115.1) |
| **M002****P** | 2 | 7.50 (190.5) | 6.75 (171.5) | 2.25 (57.2) | 4.53 (115.1) |
| **M003****P** | 3 | 9.50 (241.3) | 8.75 (222.3) | 2.25 (57.2) | 4.53 (115.1) |
| **M004****P** | 4 | 11.50 (292.1) | 10.75 (273.1) | 2.25 (57.2) | 4.53 (115.1) |
| **M005****P** | 5 | 13.50 (342.9) | 12.75 (323.9) | 2.25 (57.2) | 4.53 (115.1) |

## LINKOSITY® Specifications

| Certifications | |
|---|---|
| System Level | ETL Classified to NEC |
| Component Assemblies (PSDA) | UL Listed |
| Connecting Components | Listed to UL2238 and UL 50 |
| Cable (Up to #22 AWG) | UL 300V Type ITC/PLTC 105ºC |
| Cable (#16 AWG and Up) | UL 600V Type TC-ER, MTW 90ºC or STOOW 600V 105ºC |

## Cable Diameter

| Amps | Wires | O.D. |
|---|---|---|
| 20 | 3 | .595 (15.1) |
| 20 | 4 | .645 (16.4) |
| 20 | 5 | .710 (18.0) |
| 20 | 6 | .760 (19.3) |
| 30 | 4 | .710 (18.0) |

## Performance

| Electrical | |
|---|---|
| Voltage | Up to 600V |
| Amperage | Up to 30A |

## Environmental

| Connectivity System Components | |
|---|---|
| Moisture Resistance | UL Type 4, 4X, 12 and 13 |
| Ingress Protection | IP66 Suitability |
| Flammability | UL94HB Cables/UL94V-0 receptacles |

| Power System Distribution Assemblies | |
|---|---|
| Moisture Resistance | NEMA Type 1, Type 3R, Type 4X |

*Dimensions in Inches (mm)*

## MotorQuick® Disconnect Switches

### Housing Design

- Thermoplastic Cover on Plated Steel Base
- NEMA 1 Enclosure
- Pre-wired with LINKOSITY® Components
- Crush and Impact Resistance of MC Cable



HBL1389MQ5

IP67
SUITABILITY

### Housing Design

- High Impact Valox® Enclosure
- Type 4X Enclosure
- Permanent Labelless Marking
- Lockable Handle to Meet OSHA Lockout/Tagout Regulations
- Cable Ratings: TC-ER, MTW, STOOW




HBLDS3MQ5



HBL1389MQR2




HBLDS3MQR



HBLDS3SSRMQR



HBLDS3SSMQR

## MotorQuick® Disconnect Switches

| Type 1 Non-Metallic Enclosure 30A 3 Pole 600V AC | Catalog Number |
|---|---|
| **HBL1389D** with one pre-wired LINKOSITY® female receptacle (load side). | **HBL1389MQR** |
| **HBL1389D** with 5 foot pre-wired LINKOSITY® female cable (load side). | **HBL1389MQ5** |
| **HBL1389D** with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | **HBL1389MQR2** |

| Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC | Catalog Number |
|---|---|
| **HBLDS3** with one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3MQR** |
| **HBLDS3** with 5 foot pre-wired LINKOSITY® female cable (load side). | **HBLDS3MQ5** |
| **HBLDS3** with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3MQR2** |

| Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC | Sloped Top | Square Top |
|---|---|---|
| **HBLDS3SS** with one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3SSRMQR** | **HBLDS3SSMQR** |
| **HBLDS3SS** with 5 foot pre-wired LINKOSITY® female cable (load side). | **HBLDS3SSRMQ5** | **HBLDS3SSMQ5** |
| **HBLDS3SS** with one pre-wired LINKOSITY® male receptacle (line side) and one pre-wired LINKOSITY® female receptacle (load side). | **HBLDS3SSRMQR2** | **HBLDS3SSMQR2** |

## Accessories

| Description | Catalog Number |
|---|---|
| 3P 4W LINKOSITY® male receptacle for installation on motor. | **RM3004PA001** |
| 3P 4W LINKOSITY® female receptacle for installation in switch. | **RF3004PA001** |
| 3P 4W LINKOSITY® double ended (male/female) 5-50 foot cable. | **PH3004PAxxx*** |
| 3P 4W LINKOSITY® single ended (female) 5-50 foot cable. | **PF3004PAxxx*** |
| Cord connector, ¾ in. NPT .63–.75 in. (16.0–19.1) diameter. | **SHC1037CR** |
| Lock-on cover for LINKOSITY® connections. | **PH2030C** |

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the **XXX** with the required length in feet. (Examples: **PH3004PA005** = 5 foot cable, **PH3004PA050** = 50 foot cable.)*



PH2030C

## Sample Set Up

(1) **HBLDS3MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****

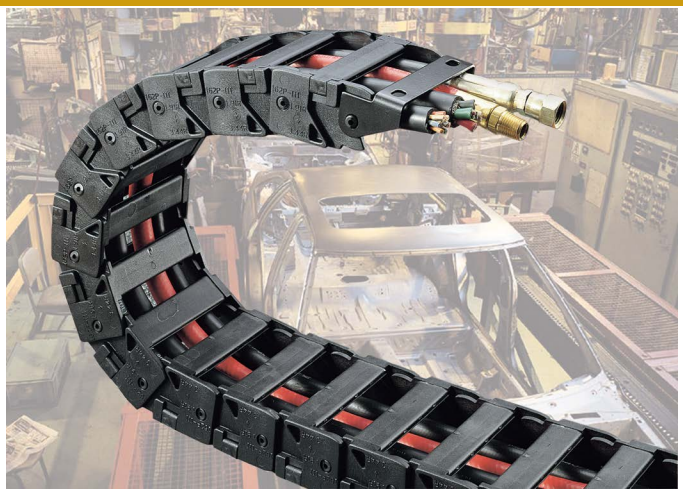




*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## CableTrak® Hose and Cable Carrier System



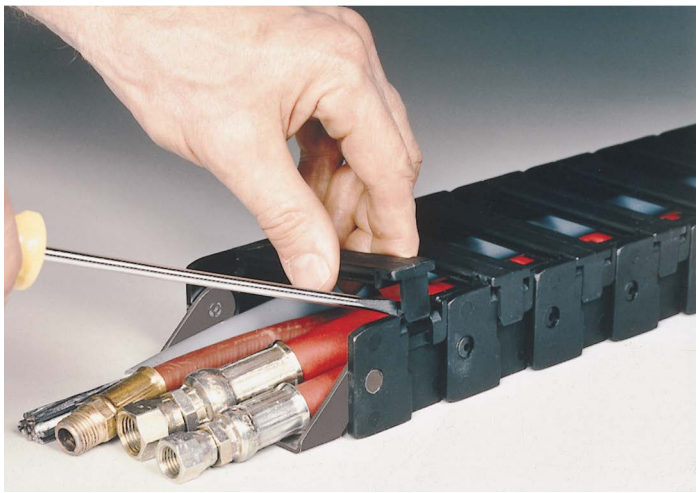
The design of CableTrak carriers provides easy access to components during installation and repair. The track's flip top design allows the installer to lay cable and hose components directly into the track instead of pulling them through the length of the track. Hubbell CableTrak carriers can be ordered as assembled kits with brackets or by the foot without brackets. The final length of the track is easily customized by adding or removing sections of track or individual links with a flat head screwdriver.

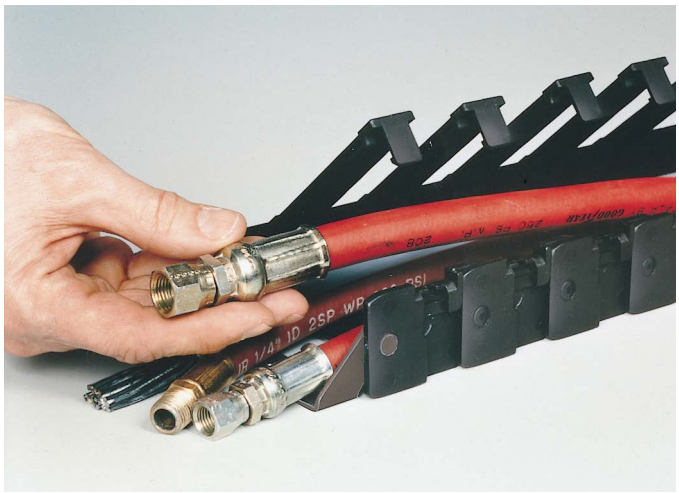
## CableTrak® Installation

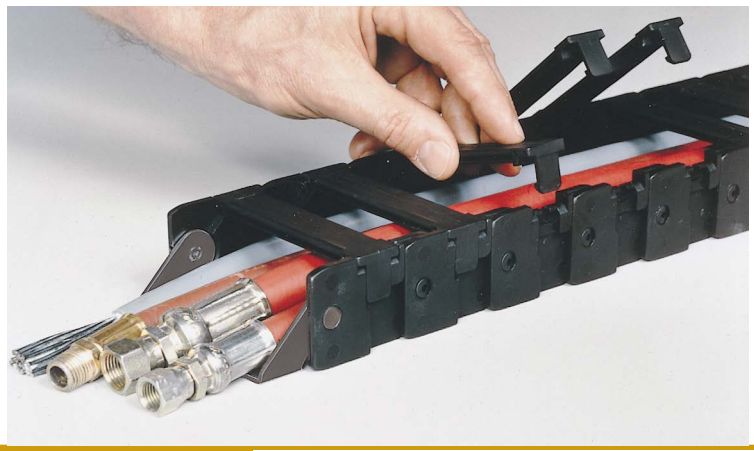
1. Unlock Tab.
2. Locking tabs secure the retaining bar into place. To unlock tabs, slide a flat head screwdriver under the tab and release it with a twisting motion.

## Access/Install Cables and Hoses

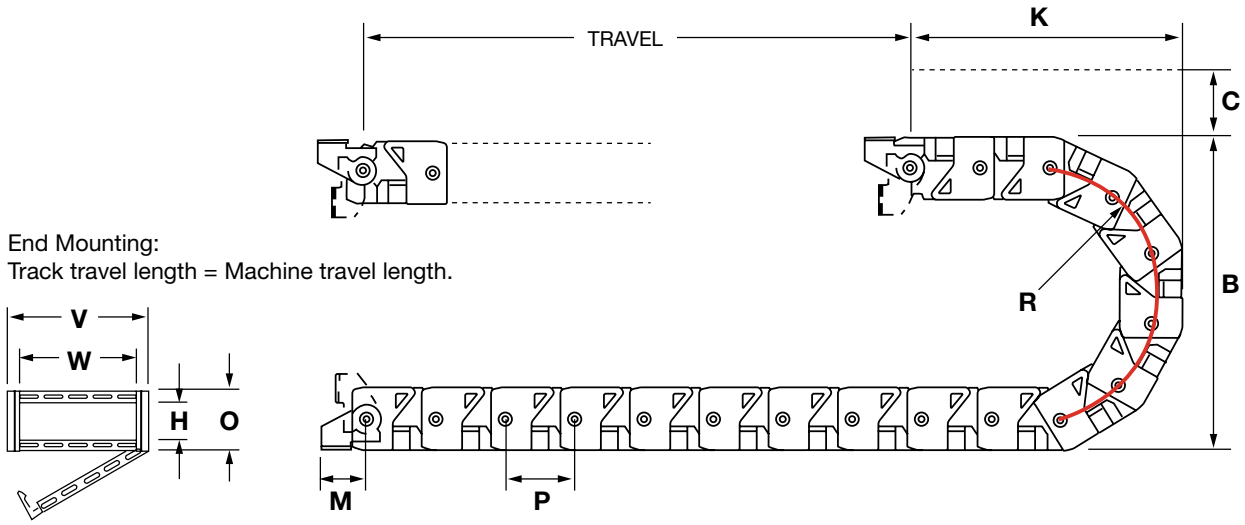
3. Easy access is important, especially for pre-assembled cable/hose sets involving large O.D. plugs, receptacles, and couplings.
4. Lock Tab.
5. To re-secure retaining bars, engage the hinge and snap the locking tab into place.







## CableTrak® Kits




End Mounting:
Track travel length = Machine travel length.

## CableTrak® Kit with Brackets

| Catalog Number | Track Length (ft) | W Inner Width | H Inner Height | A Max Hose/Cab O.D. | B Max Component Width | V Outer Width | O Outer Height | R Bend Radius | B Bend Height | C Clearance | K Min Brkt to Bend | M Brkt to Pivot | P Pitch | L* Curve Length (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **HCT10114K**** | 4.0' | 0.59" | 0.75" | 0.286" | 0.531" | 1.03" | 1.00" | 1.44" | 3.86" | 2.00" | 5.68" | 1.33" | 1.250" | 1.000' |
| **HCT10219K**** | 4.0' | 1.00" | 0.75" | 0.382" | 0.900" | 1.44" | 1.00" | 1.91" | 4.82" | 2.00" | 5.41" | 1.33" | 1.250" | 1.000' |
| **HCT16119K** | 4.0' | 1.50" | 1.00" | 0.382" | 1.350" | 2.12" | 1.62" | 1.91" | 5.44" | 3.00" | 5.72" | 1.19" | 1.812" | 1.000' |
| **HCT16134K** | 4.5' | 1.50" | 1.00" | 0.688" | 1.350" | 2.12" | 1.62" | 3.44" | 8.50" | 3.00" | 7.85" | 1.19" | 1.812" | 1.500' |
| **HCT16219K** | 4.0' | 2.28" | 1.00" | 0.328" | 2.052" | 2.91" | 1.62" | 1.91" | 5.44" | 3.00" | 5.72" | 1.19" | 1.812" | 1.000' |
| **HCT16234K** | 4.5' | 2.28" | 1.00" | 0.688" | 2.052" | 2.91" | 1.62" | 3.44" | 8.50" | 3.00" | 7.85" | 1.19" | 1.812" | 1.500' |
| **HCT16334K** | 4.5' | 3.08" | 1.00" | 0.688" | 2.772" | 3.70" | 1.62" | 3.44" | 8.50" | 3.00" | 7.85" | 1.19" | 1.812" | 1.500' |
| **HCT16434K** | 4.5' | 4.06" | 1.00" | 0.688" | 3.654" | 4.69" | 1.62" | 3.44" | 8.50" | 3.00" | 7.85" | 1.19" | 1.812" | 1.500' |
| **HCT25134K** | 4.5' | 2.60" | 1.75" | 0.680" | 2.340" | 3.70" | 2.50" | 3.40" | 9.30" | 3.00" | 8.31" | 1.75" | 2.500" | 1.500' |
| **HCT25234K** | 4.5' | 4.25" | 1.75" | 0.680" | 3.825" | 5.36" | 2.50" | 3.40" | 9.30" | 3.00" | 8.31" | 1.75" | 2.500" | 1.500' |
| **HCT25247K** | 5.0' | 4.25" | 1.75" | 0.956" | 3.825" | 5.36" | 2.50" | 4.78" | 12.06" | 3.00" | 10.52" | 1.75" | 2.500" | 2.000' |
| **HCT25347K** | 5.0' | 6.60" | 1.75" | 0.956" | 5.940" | 7.70" | 2.50" | 4.78" | 12.06" | 3.00" | 10.52" | 1.75" | 2.500" | 2.000' |

## CableTrak® Kit without Brackets

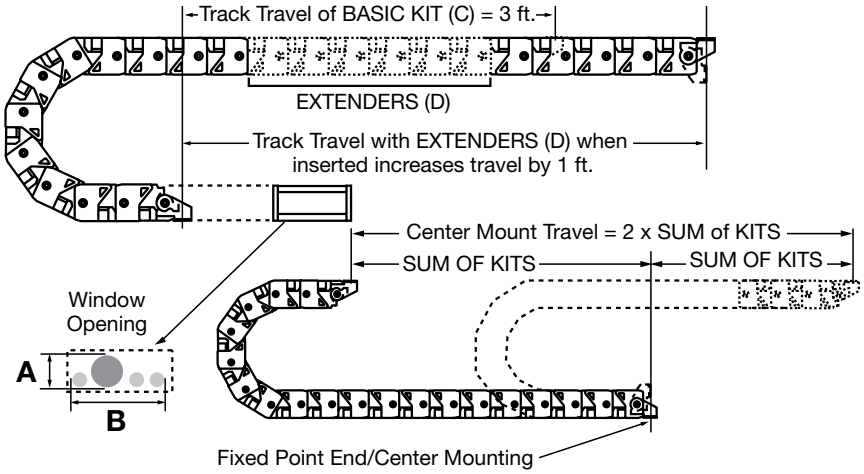
| Catalog Number | Track Length (ft) | W Inner Width | H Inner Height | A Max Hose/Cab O.D. | B Max Component Width | V Outer Width | O Outer Height | R Bend Radius | B Bend Height | C Clearance | P Pitch | L* Curve Length (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **HCT101141**** | 1.0' | 0.59" | 0.75" | 0.286" | 0.531" | 1.03" | 1.00" | 1.44" | 3.86" | 2.00" | 1.250" | 1.000' |
| **HCT102191**** | 1.0' | 1.00" | 0.75" | 0.382" | 0.900" | 1.44" | 1.00" | 1.91" | 4.82" | 2.00" | 1.250" | 1.000' |
| **HCT161191** | 1.0' | 1.50" | 1.00" | 0.382" | 1.350" | 2.12" | 1.62" | 1.91" | 5.44" | 3.00" | 1.812" | 1.000' |
| **HCT161341** | 1.0' | 1.50" | 1.00" | 0.688" | 1.350" | 2.12" | 1.62" | 3.44" | 8.50" | 3.00" | 1.812" | 1.500' |
| **HCT162191** | 1.0' | 2.28" | 1.00" | 0.328" | 2.052" | 2.91" | 1.62" | 1.91" | 5.44" | 3.00" | 1.812" | 1.000' |
| **HCT162341** | 1.0' | 2.28" | 1.00" | 0.688" | 2.052" | 2.91" | 1.62" | 3.44" | 8.50" | 3.00" | 1.812" | 1.500' |
| **HCT163341** | 1.0' | 3.08" | 1.00" | 0.688" | 2.772" | 3.70" | 1.62" | 3.44" | 8.50" | 3.00" | 1.812" | 1.500' |
| **HCT164341** | 1.0' | 4.06" | 1.00" | 0.688" | 3.654" | 4.69" | 1.62" | 3.44" | 8.50" | 3.00" | 1.812" | 1.500' |
| **HCT251341** | 1.0' | 2.60" | 1.75" | 0.680" | 2.340" | 3.70" | 2.50" | 3.40" | 9.30" | 3.00" | 2.500" | 1.500' |
| **HCT252341** | 1.0' | 4.25" | 1.75" | 0.680" | 3.825" | 5.36" | 2.50" | 3.40" | 9.30" | 3.00" | 2.500" | 1.500' |
| **HCT252471** | 1.0' | 4.25" | 1.75" | 0.956" | 3.825" | 5.36" | 2.50" | 4.78" | 12.06" | 3.00" | 2.500" | 2.000' |
| **HCT253471** | 1.0' | 6.60" | 1.75" | 0.956" | 5.940" | 7.70" | 2.50" | 4.78" | 12.06" | 3.00" | 2.500" | 2.000' |

*Note: *L = Minimum length in feet to form CableTrak curve.*
***These models do not have a flip top design and do not accept separators due to their small size.*

*Dimensions in Inches (mm)*

## CableTrak® Accessories

**Center Mounting:** Mounting the fixed track end in the center of the machine travel allows the track to travel beyond the fixed end. Center mounting effectively doubles the travel distance of the track requiring half the track length of an end mounted application.




## Calculating

Center Mount (Stationary bracket mounted in center of travel range): Track Length = (MT/2) + L
End Mount (Stationary bracket mounted off center of travel range): Track Length = (MT/2) + L + offset from center in feet
MT = Total machine travel distance in feet
L = Length of track taken up by the bend radius

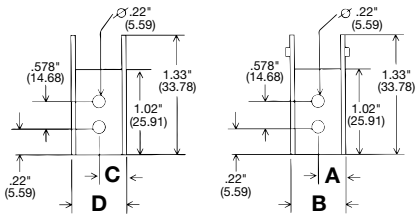
## Customizing Track Length

Hubbell CableTrak is easily customized by adding or subtracting links to the track. CableTrak kits provide 4 to 5 feet of track with brackets pre-installed. Track length can be increased by installing the required number of extenders to reach the required length. To further tune the length of track, individual links can be added or removed. To determine the number of links to add or remove, divide the length in inches to be added or subtracted by the pitch of the track and round up.

## CableTrak® Accessories

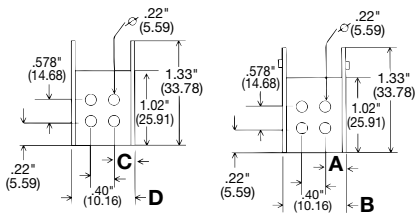
| Bracket Kits | For Use With | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|---|
| **HCTBK101** | HCT101 Series | .40" (10.2) | .81" (20.6) | .47" (12.0) | .94" (23.9) | – | – | – | – |
| **HCTBK102** | HCT102 Series | .44" (11.2) | 1.22" (31.0) | .44" (11.2) | 1.35" (34.3) | – | – | – | – |
| **HCTBK161** | HCT161 Series | .99" (25.2) | 1.97" (50.1) | .87" (22.1) | 1.84" (46.7) | 1.19" (30.2) | .281" (7.1) | .75" (19.1) | .81" (20.6) |
| **HCTBK162** | HCT162 Series | 1.78" (45.2) | 2.75" (69.9) | 1.65" (41.9) | 2.63" (66.8) | 1.19" (30.2) | .281" (7.1) | .75" (19.1) | .81" (20.6) |
| **HCTBK163** | HCT163 Series | 2.57" (65.3) | 3.55" (90.2) | 2.44" (62.0) | 3.42" (86.9) | 1.19" (30.2) | .281" (7.1) | .75" (19.1) | .81" (20.6) |
| **HCTBK164** | HCT164 Series | 3.56" (90.4) | 4.53" (115.1) | 3.47" (88.1) | 4.41" (112.0) | 1.19" (30.2) | .281" (7.1) | .75" (19.1) | .81" (20.6) |
| **HCTBK251** | HCT251 Series | 2.08" (52.8) | 3.21" (81.5) | 1.80" (45.7) | 3.03" (77.0) | 1.75" (44.5) | .344" (8.7) | 1.00" (25.4) | 1.25" (31.8) |
| **HCTBK252** | HCT252 Series | 3.74" (95.0) | 4.87" (123.7) | 3.46" (87.9) | 4.69" (119.1) | 1.75" (44.5) | .344" (8.7) | 1.00" (25.4) | 1.25" (31.8) |
| **HCTBK253** | HCT253 Series | 6.08" (154.4) | 7.21" (183.1) | 5.80" (147.3) | 7.03" (178.6) | 1.75" (44.5) | .344" (8.7) | 1.00" (25.4) | 1.25" (31.8) |
| Separators | For Use With | A | B | C | D | E | F | | |
| **HCTSP16PK12** | HCT16 Series | 1.24" (31.5) | .82" (20.8) | .94" (23.9) | .27" (6.9) | .14" (3.6) | .50" (12.7) | | |
| **HCTSP25PK12** | HCT25 Series | 2.03" (51.6) | 1.00" (25.4) | 1.19" (30.2) | .35" (8.9) | .15" (3.8) | .62" (15.8) | | |

## HCTBK101 – Brackets



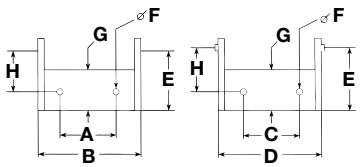

**Female** **Male**

## HCTBK102 – Brackets



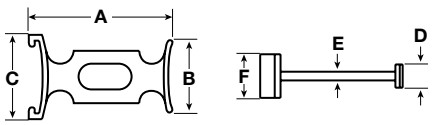

**Female** **Male**

## HCTBK161 – HCTGK253 Brackets




**Female** **Male**

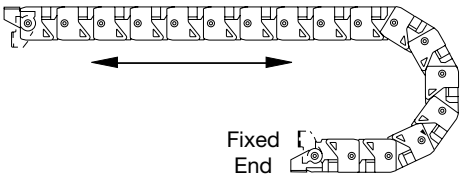
## Separators

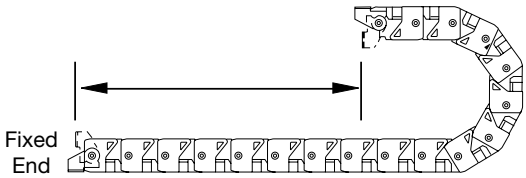



*Dimensions in Inches (mm)*

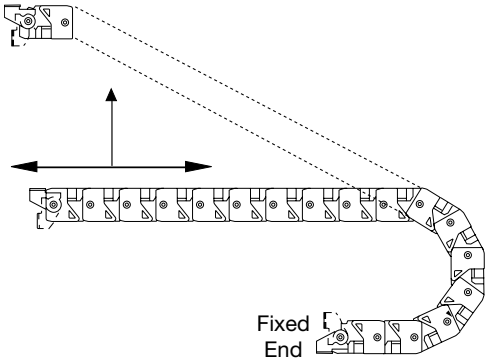
## CableTrak® System Mounting Options

### Horizontal Travel

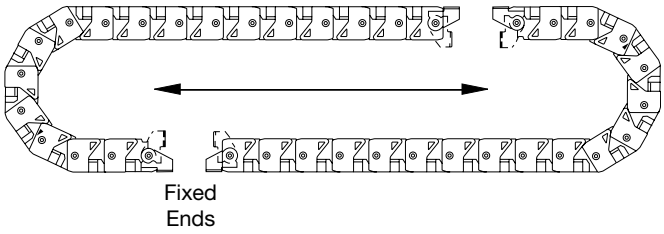



### Combination Horizontal & Vertical Travel

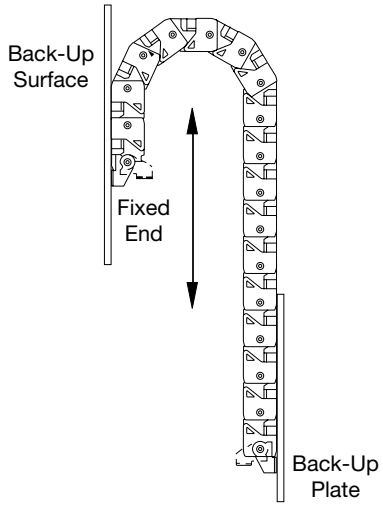



### Opposed Travel

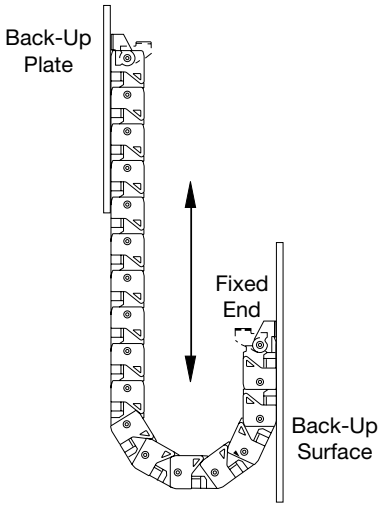



### Vertical Travel

#### Curve Up




#### Curve Down




### Specifications

| | |
|---|---|
| Material | Fiberglass reinforced nylon. |
| Operating Temperature | Continuous +20°F to +100°F (-7°C to 38°C).<br>Intermittent* -40°F to +220°F (-40°C to 104°C). |
| Maximum Operating Speed | 600 FPM (feet per minute), 180 MPM (meters per minute).<br>Operating speed is based on short lengths that are self supported (up to 9ft.). |
| Maximum Unsupported Travel Distance | HCT16 Series without sag 9 ft. (2.8 m) with sag 10.5 ft. (3.2 m).<br>HCT25 Series without sag 13.5 ft. (4.1 m) with sag 17 ft. (5.2 m). |
| Applications | Machine tool, robotic automation, material handling. |

*Note: *Intermittent refers to the operating of the product outside the normal (continuous operating) temperature range momentarily before returning back to the normal range.*

## DIN Rail Utility Box

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

### Duplex Receptacles

| Description | Color | 15A 125V NEMA 5-15R UL CSA 0.5 HP | 20A 125V NEMA 5-20R UL CSA 1 HP |
|---|---|---|---|
| Complete unit. | Gray | **DRUB15** | **DRUB20** |
| Complete unit, horizontal mount. | Gray | **DRUB15H** | – |
| Complete unit with 5A circuit breaker. | Gray | **DRUB15CB5** | – |
| Complete unit with 5A circuit breaker, horizontal. | Gray | **DRUB15HCB5** | – |
| Complete unit with aux. | Gray | – | **DRUB20AC** |
| Complete unit with aux and 5A circuit breaker. | Gray | – | **DRUB20ACCB5** |
| Complete unit with NEMA® 6-20R duplex (250V). | Gray | – | **DRUB5462*** |

### GFCI Duplex Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| Complete unit. | Gray | **DRUBGFI15** | **DRUBGFI20** |
| Complete unit, horizontal. | Gray | **DRUBGFI15H** | – |
| Complete unit with 5A circuit breaker. | Gray | **DRUBGFI15CB5** | – |
| Complete unit with 5A circuit breaker, horizontal. | Gray | **DRUBGFI15HCB5** | – |
| Complete unit with aux GFCI contacts. | Gray | **DRUBGFI15AC** | **DRUBGFI20AC** |
| Complete unit, faceless with aux GFCI contacts. | Gray | – | **DRUBGFI20BFAC** |

### TVSS Duplex Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| Complete unit. | Gray | **DRUBTVSS15** | – |
| Complete unit with aux contacts. | Gray | **DRUBTVSS15AC** | – |

### Isolated Ground△ Duplex Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| Complete unit. | Gray | **DRUBIG15** | – |

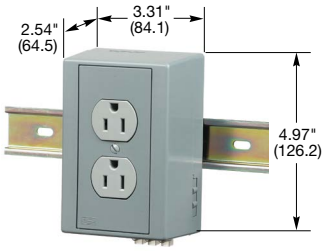
### Toggle Switch Unit

| Description | Color | Catalog Number |
|---|---|---|
| Complete unit with HBL1221. | Gray | **DRUB1221AC** |
| Complete unit with 15A 125V SW/REC. | Gray | **DRUB6404** |

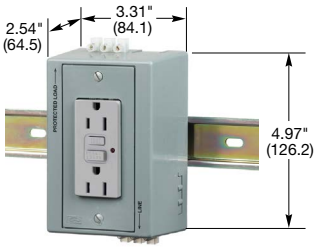
### DIN Rail Utility Box Components

| Description | Color | Catalog Number |
|---|---|---|
| Pre-wired kit without circuit breaker. | Gray | **DRUBKIT** |
| Pre-wired kit with circuit breaker. | Gray | **DRUBKITCB5** |
| Pre-wired kit with aux. | Gray | **DRUBKITAC** |
| Pre-wired kit with circuit breaker and aux. | Gray | **DRUBKITACCB5** |
| Communications kit (unloaded). (For use with Network Wiring frames in section W). | Gray | **HIDRUBCKIT** |
| Switch plate only. | Gray | **KP1GY**** |
| Rectangular opening plate only. | Gray | **KP26GY**** |
| 1.60 in. opening plate only. | Gray | **KP720GY**** |
| 1.40 in. opening plate only. | Gray | **KP7GY**** |
| Duplex receptacle plate only. | Gray | **KP8GY**** |

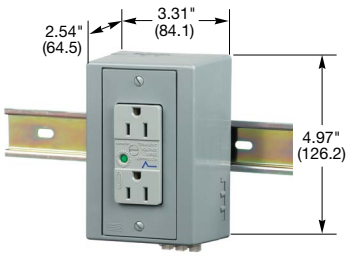
*Note: △See section M for additional information on isolated ground devices.*
**DRUB5462 configuration not pictured.*
***UL Listed, CSA Certified.*



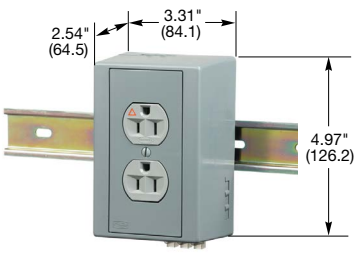
**DRUB15**



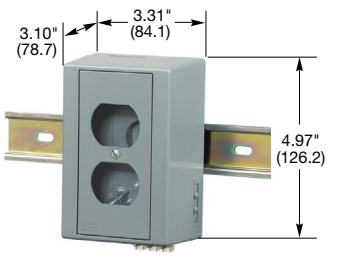
**DRUBGFI15AC**



**DRUBTVSS15**



**DRUBIG15**



**HIDRUBCKIT**

*Dimensions in Inches (mm)*

*NEMA® is a registered trademark of the National Electrical Manufacturers Association.*

## Features and Benefits

IP66
SUITABILITY

NFPA 70E Compliant

### PANEL-SAFE® Power and Data

An arc flash is a short circuit that travels through air from one live circuit to another. Problems including gaps in insulation, dust or corrosion on the surface of a conductor, or even use of substandard components can cause a serious safety hazards and equipment failures. Arc flash incidents can be extremely costly to a business and can result in serious or even fatal burns, as well as damage to eyesight. Hubbell PANEL-SAFE® provides through door access to live electrical components without having to open the enclosure.

- Available in Type 4, 12 and 4X versions with protective clear cover
- Provides overcurrent protection for both power and data access ports
- Ensures safety with finger-safe contacts and Hubbell GFCI functionality




**Available in NEMA TYPE 4, 12 and NEMA TYPE 4X Versions!**



**Housing Design**

- Rugged, nickel-plated hardware, excellent corrosion and abuse resistance
- Protective clear cover
- Operating temperature -20°C to 110°C




**Internal Design**

- Hubbell GFCI with functionality indicator
- Cat. 5e Ethernet access*
- Overcurrent protection



**Housing Design**

- Locking Hasp accepts 5⁄32" padlock
- Supplemental "Tool" entry screw closure



**Internal Design**

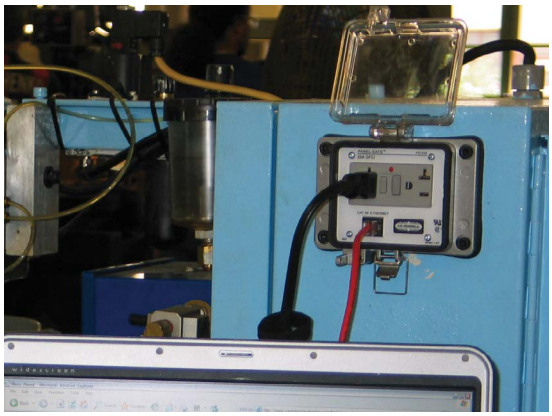
- Additional convenience outlet on GFCI versions
- Finger-safe contacts
- Stainless steel snap latch

*Note: *Additional computer interfaces and PLC connections available upon request.*

## Specifications

| | |
|---|---|
| Electrical | GFCI - conforms to UL 943 2006 requirement<br>In-Cabinet Receptacle - GFCI protected<br>Data Jack - Cat. 5e<br>Circuit Breaker - 3A |
| Mechanical | Cover - Clear Polycarbonate (UV Rated)<br>Housing - Cast Aluminum<br>Finish - Powder Coat<br>Latch - Stainless steel |
| Environmental | Enclosure - NEMA Type 4, 12 and NEMA Type 4X |
| Certification | UL Recognized<br>CSA Certified |

## Application



NFPA 70E Compliant

## PANEL-SAFE® Power Only

| Description | NEMA TYPE 4 | NEMA TYPE 4X |
|---|---|---|
| 15A 125V GFCI with In-Cabinet Receptacle. | **PR20** | — |



PR20

## PANEL-SAFE® Data Only

| Description | NEMA TYPE 4 | NEMA TYPE 4X |
|---|---|---|
| Cat. 5e Ethernet Access only. | **P5E** | **P4X5E** |
| DB9 Interface Connector only. | **PDB9** | — |
| PANEL-SAFE Data Port with DB9 Connector. | **PDB9MF** | — |
| DH + Combo (DB9/8M Din) and Cat. 5e Ethernet. | **PDH5E** | — |
| PANEL-SAFE Data Port, (2) USBA, 3 ft. Cable. | — | **P4XUSBA2C3** |



P5E



PDB9MF



P4XUSBA2C3

## PANEL-SAFE® Power and Data

| Description | NEMA TYPE 4 | NEMA TYPE 4X |
|---|---|---|
| 15A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access. | **PR205E** | **PR4X205E** |
| 15A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker. | **PR205EB** | **PR4X205EB** |
| PANEL-SAFE with 15A GFCI and Cat.5e, DB9 and 3A Circuit Breaker. | **PR205EDB9B** | — |
| PANEL-SAFE with 15A GFCI and Cat.5e, 3A USB. | **PR205EUSBA** | — |
| PANEL-SAFE with 15A GFCI and Cat.5e, (2) 3A USB. | **PR205EUSBA2** | — |
| PANEL-SAFE Data Access Port. | **PR205EUSBA2VGA** | — |
| 15A 125V GFCI Power and Cat. 5e, DB9 and 3A Circuit Breaker. | **PR205EDB9MFB** | — |
| 15A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din). | **P20DH5E** | — |
| PANEL-SAFE with 15A GFCI and Cat.5/DB9. | **P205EDB9** | — |
| PANEL-SAFE, 4X, Cat. 5e, DB9, Circuit Breaker. | — | **PR4X205EDB9B** |
| PANEL-SAFE 4X, Cat. 5e, (2) DB9, Circuit Breaker. | — | **PR4X205E2DB92B** |
| 15A 125V Power and Cat. 5e Ethernet Access. | **P155E** | **P4X155E** |
| 15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker. | **P155EB** | **P4X155EB** |
| 15A 125V Power and (2) Cat. 5e Ethernet Access. | **P155E2** | — |
| 15A 120V AC Power, NEMA 12/4, DB9 M/F, 10 ft. Cable. | **P15DB9MFC10** | — |
| 15A 125V Power and DH485 Interface (RJ-45F to RJ-45M, 10 ft. Cable). | **P15DH485C10** | — |
| 15A 125V Power and Micrologix 8M Din/F to 8M Din/M, 10 ft. Cable. | **P15ML8F8MC10** | — |



PR205EUSBA2



PR205EB



P155E



P155EB

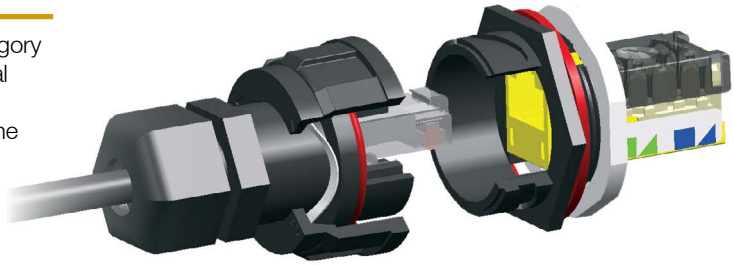
***Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.***

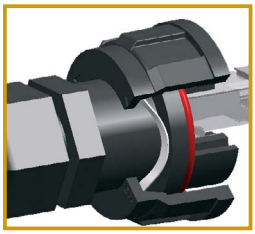
## Features and Benefits

### HI-Impact Industrial Ethernet Connectors

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.





**Housing Design**

- Housing made from high impact polymer
- O-rings for moisture protection
- Sealed connection is IP67 rated



**Internal Design**

- Category 6 and 5e component connectors
- Standard Hubbell Keystone latching system

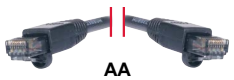






















### Industrial Ethernet Connectors

| Description | Cat. 6 | Cat. 6 Inline Coupler |
|---|---|---|
| Connector | **HI6** | **HI6C** |

### Industrial Ethernet Patch Cords and Plugs

| Description | Catalog Number |
|---|---|
| HI-Impact RJ-45 to standard RJ-45. | **HI603AE*** |
| HI-Impact RJ-45 on both ends. | **HI603EE*** |
| Standard RJ-45 on both ends. | **HI603AA*** |

*Note: *Additional lengths in feet: 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50.*

### Coupler Housing and Connector Cap

| Description | Catalog Number |
|---|---|
| HI-Impact coupler housing is a perfect solution for temporary and flexible work areas where single port drops are needed. Add any HI-Impact connector to support your application. | **HICH** |
| Connector Cap | **HIC** |

### HI-Impact Wallplates

| Description | 1-Gang 1-Port Opening | 1-Gang 2-Port Openings | 2-Gang 2-Port Openings | 2-Gang 4-Port Openings |
|---|---|---|---|---|
| Stainless steel wallplate. | **HISF11** | **HISF12** | **HISF22** | **HISF24** |

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

### Environmental Specifications

| | |
|---|---|
| Ingress Protection: | NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates). |
| Corrosion: | Resistant to most common chemicals, oils and cleaning agents. |
| HI-Impact Housing: | UV resistant. |
| Temperature Range: | TIA/EIA-568-B.2 -25°C to 70°C. |

### Material

| | |
|---|---|
| HI-Impact Housing: | Valox®, UL 94V-0. |
| Nose Contacts: | Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating. |

### Mechanical

Vibration
- Frequency Range: 10-500Hz.
- Acceleration: 5g (operational).

Mating Cycles: 750 minimum.
UL 1863 compliant.

### Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e).
Supports TIA-1005 Industrial Telecommunications Infrastructure.

# SECTION J

## Table of Contents




**inREACH™ Industrial and Industrial Weatherproof Cord Reels**




**Commercial and Lighted Cord Reels**




**Air/Water Hose Reels and Static Discharge Reels**




| Product | Page |
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| Features and Benefits | J-2 |
| inREACH™ Industrial Cord Reels | J-2 |
| Industrial Cord Reels Connector Ends | J-3 |
| inREACH™ Industrial Weatherproof Cord Reels | J-4 |
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| Industrial and Commercial Lighted Cord Reels | J-6 |
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| Tool Balancers | J-9 |
| Tool Balancer Accessories | J-10 |

## inREACH™ Industrial and Industrial Weatherproof Cord Reels

Hubbell's newly redesigned inREACH™ Industrial and Industrial Weatherproof Cord Reels improve existing user safety and maximize efficiency by managing cord and power in a safe and organized manner, while also meeting the most demanding industrial environments needs for years with little to no maintenance.

inREACH™ Industrial and Industrial Weatherproof Cord Reels are listed to UL 355 and CSA, C22.2 No. 308 with a durable, lightweight low profile cast aluminum construction. inREACH™ Reels also feature a newly designed mounting plate that allows for a quick easy installation on any surface.




# inREACH™

*No matter what your need, Hubbell will always be inREACH™!*




## inREACH™ Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications




**HBLI45123**




**HBLI45123BLK**




**HBLI45103Y**

## inREACH™ Industrial Cord Reels

| Amps | Volts AC | Cable Length Feet (m) | Cable Type | Weight Lbs. (kg) | Black Reel | White Reel | Yellow Reel |
|---|---|---|---|---|---|---|---|
| 10 | 250 | 45 (13.7) | 16/3 SJO | 22.9 (10.4) | — | **HBLI45163** | **HBLI45163Y** |
| | | | 16/4 SJO | 23.6 (10.7) | — | **HBLI45164** | **HBLI45164Y** |
| | | 35 (10.7) | 16/3 SJO | 22.0 (10.0) | — | **HBLI35163** | **HBLI35163Y** |
| | | | 16/4 SJO | 22.7 (10.3) | — | **HBLI35164** | **HBLI35164Y** |
| | | 25 (7.6) | 16/3 SJO | 21.2 (9.6) | — | **HBLI25163** | **HBLI25163Y** |
| | | | 16/4 SJO | 21.8 (9.9) | — | **HBLI25164** | **HBLI25164Y** |
| 15 | 250 | 45 (13.7) | 14/3 SJO | 24.0 (10.9) | — | **HBLI45143** | **HBLI45143Y** |
| | | | 14/4 SJO | 25.4 (11.5) | — | **HBLI45144** | **HBLI45144Y** |
| | | 35 (10.7) | 14/3 SJO | 22.9 (10.4) | — | **HBLI35143** | **HBLI35143Y** |
| | | | 14/4 SJO | 24.0 (10.9) | — | **HBLI35144** | **HBLI35144Y** |
| | | 25 (7.6) | 14/3 SJO | 21.8 (9.9) | — | **HBLI25143** | **HBLI25143Y** |
| | | | 14/4 SJO | 22.7 (10.3) | — | **HBLI25144** | **HBLI25144Y** |
| 20 | 250 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123BLK** | **HBLI45123** | **HBLI45123Y** |
| | | | 12/3 SJO | 26.5 (12.0) | — | **HBLIWC45123**** | — |
| | | | 12/4 SJO | 29.8 (13.5) | — | **HBLI45124** | **HBLI45124Y** |
| | | 35 (10.7) | 12/3 SJO | 24.9 (11.3) | — | **HBLI35123** | **HBLI35123Y** |
| | | | 12/4 SJO | 26.5 (12.0) | — | **HBLI35124** | **HBLI35124Y** |
| | | 25 (7.6) | 12/3 SJO | 23.4 (10.6) | — | **HBLI25123** | **HBLI25123Y** |
| | | | 12/4 SJO | 24.5 (11.1) | — | **HBLI25124** | **HBLI25124Y** |
| 18 | 250 | 70 (21.3) | 12/3 SJO | 79.6 (36.1) | — | **HBLI70123*** | — |
| 18 | 250 | 90 (27.4) | 12/3 SJO | 86.5 (39.2) | — | **HBLI90123*** | — |
| 16 | 250 | 80 (24.4) | 12/3 SJO | 85.1 (38.6) | — | **HBLI80124*** | — |
| 30 | 250 | 45 (13.7) | 10/3 SJO | 32.4 (14.7) | — | **HBLI45103** | **HBLI45103Y** |
| | | 40 (12.2) | 10/4 SJO | 33.7 (15.3) | — | **HBLI40104** | **HBLI40104Y** |
| | | 35 (10.7) | 10/3 SJO | 30.0 (13.6) | — | **HBLI35103** | **HBLI35103Y** |
| | | | 10/4 SJO | 32.2 (14.6) | — | **HBLI35104** | **HBLI35104Y** |
| | | 25 (7.6) | 10/3 SJO | 26.0 (11.8) | — | **HBLI25103** | **HBLI25103Y** |
| | | | 10/4 SJO | 29.1 (13.2) | — | **HBLI25104** | **HBLI25104Y** |
| 25 | 250 | 80 (24.4) | 10/3 SJO | 104.3 (47.3) | — | **HBLI80103*** | — |
| 25 | 250 | 80 (24.4) | 10/4 SJO | 113.3 (51.4) | — | **HBLI80104*** | — |

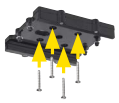
*Note: * See page J-3 for compatible mounting brackets **Supplied with White cable.*

## Features and Benefits

### inREACH™ Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications

### Labor Savings are inREACH™!







HBLI45123C20

### inREACH™ Industrial Cord Reels Connector Ends

| Description | | Amps | Volts AC | Cable Length Feet (m) | Cable Type | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|---|
| White Industrial Reel | with HBL5269C | 15 | 125 | 45 (13.7) | 14/3 SJO | 24.0 (10.9) | **HBLI45143C15** |
| | with HBL5369C | 20 | 125 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123C20** |
| | with HBL2313 | | | | | 26.5 (12.0) | **HBLI45123TL20** |
| White Industrial Reel with Yellow Portable Outlet Box | (1) 15A Duplex Receptacle | 15 | 125 | 45 (13.7) | 14/3 SJO | 26.5 (12.0) | **HBLI45143R15** |
| | (2) 15A Duplex Receptacles | | | | | 26.5 (12.0) | **HBLI45143R215** |
| | GFCI Module and (1) 15A Duplex Receptacle | 15 | 125 | 45 (13.7) | 14/3 SJO | 26.5 (12.0) | **HBLI45143GF15** |
| | GFCI Module and (2) 15A Duplex Receptacles | | | | | 26.5 (12.0) | **HBLI45143GF215** |
| White Industrial Reel with Black Portable Outlet Box | (1) 15A Duplex Receptacle | 15 | 125 | 45 (13.7) | 14/3 SJO | 26.5 (12.0) | **HBLI45143R15M1** |
| | (2) 15A Duplex Receptacles | | | | | 26.5 (12.0) | **HBLI45143R215M1** |
| | GFCI Module and (2) 15A Duplex Receptacles | 15 | 125 | 45 (13.7) | 14/3 SJO | 26.5 (12.0) | **HBLI45143GF215M1** |
| White Industrial Reel with Yellow Portable Outlet Box | (1) 20A Duplex Receptacle | 20 | 125 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123R20** |
| | (2) 20A Duplex Receptacles | | | | | 26.5 (12.0) | **HBLI45123R220** |
| | GFCI Module and (1) 20A Duplex Receptacle | 20 | 125 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123GF20** |
| | GFCI Module and (2) 20A Duplex Receptacles | | | | | 26.5 (12.0) | **HBLI45123GF220** |
| White Industrial Reel with Black Portable Outlet Box | (1) 20A Duplex Receptacle | 20 | 125 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123R20M1** |
| | (2) 20A Duplex Receptacles | | | | | 26.5 (12.0) | **HBLI45123R220M1** |
| | GFCI Module and (2) 20A Duplex Receptacles | 20 | 125 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123GF220M1** |
| White Industrial Reel with Triple Tap | GFCI Module and Triple Tap Outlet | 15 | 125 | 45 (13.7) | 12/3 SJO | 26.5 (12.0) | **HBLI45123GFTT** |


HBLI45143C15


HBLI45123TL20


HBLI45123R20


HBLI45123GF20


HBLI45123GF220M1

*Note: 15A reels are supplied with HBL5266C on the power supply cord. 20A reels are supplied with HBL5366C on the power supply cord. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.*

### inREACH™ Accessories

| Description | Weight Lbs. (kg) | Catalog Number |
|---|---|---|
| Mounting bracket | 2.5 (1.1) | **HBLIMB** |
| Mounting bracket with junction box mount | 3.0 (1.4) | **HBLIMBJ** |
| Mounting bracket | 3.5 (1.6) | **HBLIACCMB*** |
| Mounting bracket with junction box mount | 4.0 (1.8) | **HBLIACCMBJ*** |
| 340° pivot base | 3.5 (1.1) | **HBLI340PB** |
| Replacement stop. | .2 (.09) | **HBLI16BS**<br>**HBLI14BS**<br>**HBLI12BS**<br>**HBLI10BS** |


HBLIMB


HBLIMBJ


HBLI45123GFTT


HBLI340PB


HBLI16BS

*Note: *Compatible with cord reel models from page J-2 marked with a single asterisk (*)*

### Plenum Rated Enclosure for inREACH™ Cord Reels

| Description | Weight lbs. (kg) | Catalog Number |
|---|---|---|
| Plenum Rated Enclosure | 30 lbs. (13.6) | **HBLIPRBOX** |


HBLIPRBOX

*Note: Check with manufacturer for compatible cord reel models.*

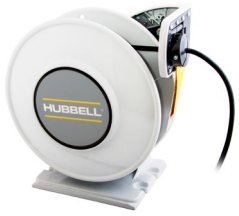
## Features and Benefits

### inREACH™ Industrial Weatherproof Cord Reels

- UL Type 4 environmental listing
- 600V AC, SOW Type Cable
- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications




HBLW45103




HBLW45123W




HBLW35143




HBLW45103



HBLIMB

### inREACH™ Industrial Weatherproof Cord Reels

| Amps | Volts AC | Cable Length Feet (m) | Cable Type | Weight Lbs. (kg) | Yellow Reel | White Reel |
|---|---|---|---|---|---|---|
| 10 | 600 | 45 (13.7) | 16/3 SOW<br>16/4 SOW | 23.6 (10.7)<br>25.6 (11.6) | **HBLW45163**<br>**HBLW45164** | **HBLW45163W**<br>**HBLW45164W** |
| | | 35 (10.7) | 16/3 SOW<br>16/4 SOW | 22.5 (10.2)<br>23.1 (10.5) | **HBLW35163**<br>**HBLW35164** | **HBLW35163W**<br>**HBLW35164W** |
| | | 25 (7.6) | 16/3 SOW<br>16/4 SOW | 21.4 (9.7)<br>21.8 (9.9) | **HBLW25163**<br>**HBLW25164** | **HBLW25163W**<br>**HBLW25164W** |
| 15 | 600 | 45 (13.7) | 14/3 SOW<br>14/4 SOW | 28.2 (12.8)<br>30.0 (13.6) | **HBLW45143**<br>**HBLW45144** | **HBLW45143W**<br>**HBLW45144W** |
| | | 35 (10.7) | 14/3 SOW<br>14/4 SOW | 25.1 (11.4)<br>26.5 (12.0) | **HBLW35143**<br>**HBLW35144** | **HBLW35143W**<br>**HBLW35144W** |
| | | 25 (7.6) | 14/3 SOW<br>14/4 SOW | 22.5 (10.2)<br>24.3 (11.0) | **HBLW25143**<br>**HBLW25144** | **HBLW25143W**<br>**HBLW25144W** |
| 18<br>16 | 600 | 80 (24.4)<br>75 (22.9) | 12/3 SOW<br>12/4 SOW | 97.5 (44.2)<br>107.4 (48.7) | —<br>— | **HBLW80123W***<br>**HBLW75124W*** |
| 20 | 600 | 45 (13.7) | 12/3 SOW | 31.3 (14.2) | **HBLW45123** | **HBLW45123W** |
| | | 40 (12.2) | 12/4 SOW | 32.2 (14.6) | **HBLW40124** | **HBLW40124W** |
| | | 35 (10.7) | 12/3 SOW<br>12/4 SOW | 28.9 (13.1)<br>30.6 (13.9) | **HBLW35123**<br>**HBLW35124** | **HBLW35123W**<br>**HBLW35124W** |
| | | 25 (7.6) | 12/3 SOW<br>12/4 SOW | 24.9 (11.3)<br>27.6 (12.5) | **HBLW25123**<br>**HBLW25124** | **HBLW25123W**<br>**HBLW25124W** |
| 25<br>20 | 600 | 75 (22.9)<br>75 (22.9) | 10/3 SOW<br>10/4 SOW | 103.8 (47.1)<br>116.2 (52.7) | —<br>— | **HBLW75103W***<br>**HBLW75104W*** |
| 30 | 600 | 40 (12.2) | 10/3 SOW | 33.3 (15.1) | **HBLW40103** | **HBLW40103W** |
| | | 35 (10.7) | 10/3 SOW<br>10/4 SOW | 31.7 (14.4)<br>34.2 (15.5) | **HBLW35103**<br>**HBLW35104** | **HBLW35103W**<br>**HBLW35104W** |
| | | 25 (7.6) | 10/3 SOW<br>10/4 SOW | 28.4 (12.9)<br>30.2 (13.7) | **HBLW25103**<br>**HBLW25104** | **HBLW25103W**<br>**HBLW25104W** |
| 40<br>30<br>35 | 600 | 45 (13.7)<br>60 (18.3)<br>45 (13.7) | 8/3 SOW<br>8/3 SOW<br>8/4 SOW | 106.5 (48.3)<br>123.2 (55.9)<br>122.8 (55.7) | —<br>—<br>— | **HBLW4583W***<br>**HBLW6083W***<br>**HBLW4584W*** |
| 55<br>55 | 600 | 45 (13.7)<br>45 (13.7) | 6/3 SOW<br>6/4 SOW | 123.0 (55.8)<br>126.7 (57.5) | —<br>— | **HBLW4563W***<br>**HBLW4564W*** |
| 14<br>6 | 600 | 45 (13.7)<br>45 (13.7) | 12/8 SOW<br>14/12 SOW | 107.4 (48.7)<br>113.5 (51.5) | —<br>— | **HBLW45128W***<br>**HBLW451412W*** |



HBLI340PB



HBLIMBJ



HBLI10BS

### inREACH™ Accessories

| Description | Weight Lbs. (kg) | Catalog Number |
|---|---|---|
| Mounting bracket<br>Mounting bracket with junction box mount | 2.5 (1.1)<br>3.0 (1.4) | **HBLIMB**<br>**HBLIMBJ** |
| Mounting bracket<br>Mounting bracket with junction box mount | 3.5 (1.6)<br>4.0 (1.8) | **HBLIACCMB***<br>**HBLIACCMBJ*** |
| 340° pivot base | 3.5 (1.6) | **HBLI340PB** |
| Replacement stop | .2 (.09) | **HBLI16BS**<br>**HBLI14BS**<br>**HBLI12BS**<br>**HBLI10BS** |

*Note: *Compatible with cord reel models marked with a single asterisk (*)*

## Features and Benefits

### Heavy Duty Industrial Weatherproof Reels

- Powder coated, solid U.S. steel construction
- Multi-position roller guide can be mounted in four different positions
- Ratchet lock can be disengaged in field for constant tension application
- UL Type 4X enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion
- Optional pivot base allows 340° rotation of reel and increases range of cable to nearly any direction




**HBL501242W**
with **HBL16PB**

### Heavy Duty Industrial Weatherproof Reels*

| Description | | Amps | Volts AC | Cable Length Feet (m) | Cable Type | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|---|
| 14" yellow weatherproof reel | | 15 | 600 | 50 (15.2) | 14/3 SOW-A | 55 (24.9) | **HBL501431W** |
| 16" weatherproof reel | yellow housing<br>white housing | 20 | 600 | 50 (15.2) | 12/3 SOW-A | 80 (36.3) | **HBL501232W**<br>**HBL501232WM1** |
| 16" yellow weatherproof reel | | 16 | 600 | 50 (15.2) | 12/4 SOW-A | 86 (39.0) | **HBL501242W** |
| 16" weatherproof reel | yellow housing<br>white housing | 25 | 600 | 50 (15.2) | 10/3 SOW-A | 86 (39.0) | **HBL501032W**<br>**HBL501032WM1** |
| 16" yellow weatherproof reel | | 20 | 600 | 50 (15.2) | 10/4 SOW-A | 92 (41.7) | **HBL501042W** |

*Note: *All heavy duty industrial cord reels are supplied with wire leads and ¾" NPT hub feed. Power supply cable not supplied.*




**HBL501232WM1**




**HBL501242W**
with **HBL16PB**

### Accessories

| Description | Weight Lbs. (kg) | Catalog Number |
|---|---|---|
| 14" pivot base. | 5 (2.3) | **HBL14PB** |
| 16" pivot base. | 13 (5.9) | **HBL16PB** |
| Replacement stop. | .2 (.09) | **HBLWPBS** |



**HBL14PB**

### Specifications

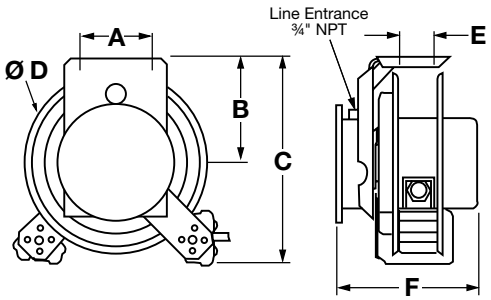
| | |
|---|---|
| Listing/Certification | UL 355 and CSA, C22.2 No. 308. |
| Environment | Type 4X enclosure, CAN/CSA - C22.2 No. 308.<br>Dry, indoor and wet and damp outdoor non-hazardous location. |



**HBLWPBS**

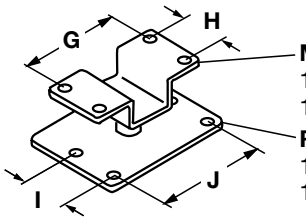
### Dimensions

| Inch (mm) | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| 14" Reel | 6.50"<br>(165) | 8.12"<br>(206) | 16.25"<br>(413) | 13.75"<br>(349) | 3.00"<br>(76) | 12.19"<br>(310) | 3.00"<br>(76) | 3.00"<br>(76) | 3.00"<br>(76) | 6.50"<br>(165) |
| 16" Reel | 6.50"<br>(165) | 9.12"<br>(232) | 18.25"<br>(464) | 15.75"<br>(400) | 3.00"<br>(76) | 14.19"<br>(360) | 6.00"<br>(152) | 6.00"<br>(152) | 4.94"<br>(125) | 6.50"<br>(165) |




### Pivot Base

**340° Pivot Base** (Optional)




**Mounting Surface 4 Holes**
14" 0.44 (11) diameter
16" 0.53 (13) diameter

**Reel Base 4 Holes**
14" 0.47 (12) diameter
16" 0.53 (13) diameter

*Note: Pivot base for use only with Weatherproof Cable Reel.*

*Dimensions in Inches (mm)*



HBLIWC45123GF220HG

## inREACH™ Medical Cord Reels

| Description | Amps | Volts | Cable Length Feet (m) | Cable Type | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|
| White reel, white portable outlet box, GFCI module, and (2) 20A Hospital Grade receptacles | 20A | 125V AC | 45 (13.7) | 12/3 SJO | 34.9 (15.8) | **HBLIWC45123GF220HG** |
| White reel, white portable outlet box, and (2) 20A Hospital Grade receptacles | 20A | 125V AC | 45 (13.7) | 12/3 SJO | 34.4 (15.6) | **HBLIWC45123R220HG** |
| White reel and Hospital Grade connector HBL8319C | 20A | 125V AC | 45 (13.7) | 12/3 SJO | 33.6 (15.2) | **HBLIWC45123C20HG** |



HBLI45163LED

## Industrial Lighted Cord Reels, 45 Ft. (13.7m) - 16/3 AWG SJEO Cable

| Cord End | Amps | Volts AC | Watts (Max) | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|
| LED hand lamp, with end light, white reel. | 0.07 | 125 | 8 + 1 | 22.9 (10.4) | **HBLI45163LED** |
| Fluorescent hand lamp, white reel. | 0.3 | 125 | 13 | 22.9 (10.4) | **HBLI45163FL** |
| Incandescent hand lamp, white reel. | 0.8 | 125 | 100 | 22.9 (10.4) | **HBLI45163IN** |

*Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.*



HBLI50CAT6

## InREACH™ Category 6 Data Reels

| Description | Cable Length ft (m) | Cable Type | Weight lbs. (kg) | Catalog Number |
|---|---|---|---|---|
| Black Data Reels with RJ45 Plugs | 50 (15.2) | Cat 6 | 22.9 (10.4) | **HBLI50CAT6** |
| White Data Reels with RJ45 Plugs | 50 (15.2) | Cat 6 | 22.9 (10.4) | **HBLI50CAT6W** |



HBL16LEDR

## Accessories

| Description | Amps | Volts AC | Watts (Max) | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|
| Replacement stop. | — | — | — | .2 (.09) | **HBL16BS** |
| Replacement LED hand lamp. | 0.07 | 120 | 8 + 1 | 1 (.5) | **HBL16LEDR*** |
| Replacement fluorescent hand lamp. | 0.3 | 120 | 13 | 1 (.5) | **HBL16FLR** |
| Replacement incandescent hand lamp. | 0.8 | 125 | 100 | 1 (.5) | **HBL16INR** |

*Note: *cETLus Listed by INTERTEK.*



HBLC40182LED

## Commercial Lighted Cord Reels

| Description | Amps | Volts AC | Cable Length Feet (m) | Cable Type | Watts (Max) | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|---|
| White Reel with LED hand lamp, with flashlight end. | 0.65 | 125 | 40 (12.2) | #18/2 SJTOW | 8 + 1 | 8.2 (3.7) | **HBLC40182LED** |
| White Reel with non-metallic incandescent hand lamp and automatic shut off switch. | 0.6 | 125 | 25 (7.6) | #16/3 SJT | 75 | 9.0 (4.1) | **HBLC25163AIN**** |
| Yellow Reel with metallic incandescent hand lamp with receptacle. | 13 | 125 | 25 (7.6) | #14/3 SJT | 1,625 | 9.5 (4.3) | **HBLC25143IN** |

*Note: **Allows the electrical cord reel installation to conform to Article 511 of the National Electric Code concerning installation of electrical devices in commercial garages, repair facilities and storage locations by positioning the switch above the defined area where hazardous fumes may collect.*



HBLC25143IN

*Dimensions in Inches (mm)*

*INTERTEK and the Intertek logo are registered trademarks of Intertek Group plc.*

## Features and Benefits

### Commercial Cord Reels

- Durable steel construction for commercial and general purpose applications
- Compact size, flexible mounting options for ceiling, wall or bench
- Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord
- Attached plug for power cord requires no wiring



HBLC25163C



HBLC40123TT

### Commercial Cord Reels

- Durable light weight non-metallic housing
- Removable bracket allows reel to be disengaged from mount providing portability
- 40 Ft. of #12/3 cord for greater current carrying capacity
- Triple tap outlet with supplemental over current protection

### Commercial Cord Reels

| Description | Amps | Volts AC | Cable Length Feet (m) | Cable Type | Watts (Max) | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|---|
| Black Reel with triple tap outlet. | 15 | 125 | 40 (12.2) | #12/3 SJTW | 1,875 | 13.8 (6.3) | **HBLC40123TT** |
| Black Reel with wire leads. | 15 | 125 | 40 (12.2) | #12/3 SJTW | 1,875 | 13.8 (6.3) | **HBLC40123** |
| White Reel with triple tap outlet and white cord. | 10 | 125 | 30 (9.1) | #16/3 SJT | 1,250 | 8.5 (3.9) | **HBLC30163TT** |
| White Reel with single connector and white cord. | 15 | 125 | 20 (6.1) | #14/3 SJT | 1,875 | 8.5 (3.9) | **HBLC20143C** |
| Yellow Reel with Hubbell HBL5969VBLK connector. | 10 | 125 | 25 (7.6) | #16/3 SJT | 1,250 | 8.5 (3.9) | **HBLC25163C** |
| Yellow Reel with wire leads. | 10 | 125 | 25 (7.6) | #16/3 SJT | 1,250 | 8.5 (3.9) | **HBLC25163**** |

*Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.*
***UL Listed only.*



HBLC40123TT



HBLC30163TT



HBLC20143C



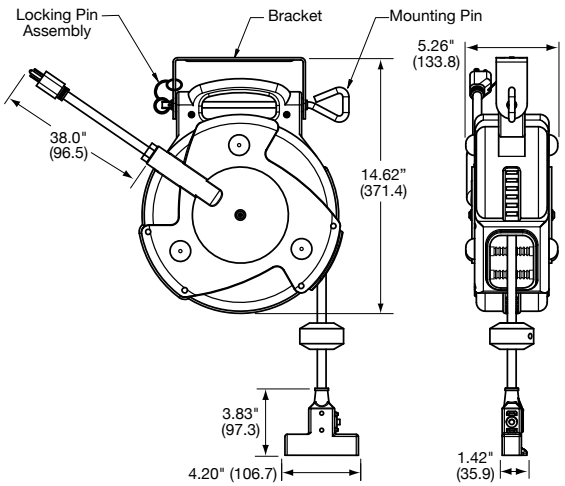
HBLC25163C

### Specifications

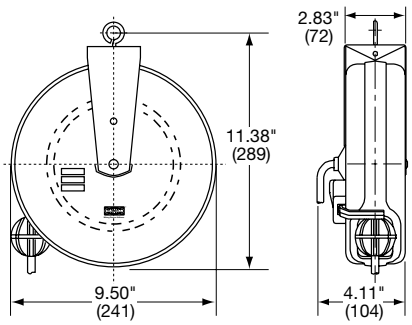
| | |
|---|---|
| Listing/Certification | UL 355. |
| Environment | Dry, indoor, non-hazardous locations. |
| Incandescent Lamp | 75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle. |
| Fluorescent Lamp | 10A/1200W max. with in-line receptacle; 13 watt without receptacle. |

### Dimensions

**Triple Tap**




**All Other Commercial Reels excluding Triple Tap**

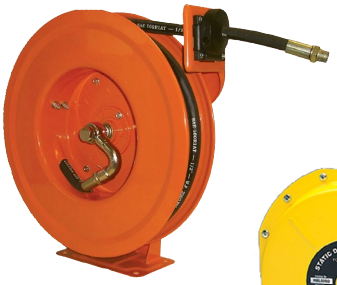



*Dimensions in Inches (mm)*

## Features and Benefits

### Air/Water Hose Reels

- Constructed of rugged steel, baked polyester finish components
- Multi-position four roller guide and adjustable hose stop
- Spring rewind and ratchet lock
- Full flow shafts and swivels assure maximum product delivery



HBLHR2535



HBL50SD

### Static Discharge Reels

- Steel construction
- Compact design minimizes required installation space
- Available with steel or nylon coated steel cable
- Large grounding jaw clamp provides low resistant ground termination



HBLHR2535

## Air/Water Hose Reels

| Description | Cable Length Feet (m) | Max Pressure Psi | Frame Size | Input Hose Fitting (NPTF) | O.D. Inch (mm) | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|---|
| Low pressure ¼" ID. | 35 (10.7) | 300 | A | 1/4 | 0.51 (13.0) | 24 (10.9) | **HBLHR2535** |
| | 50 (15.2) | 300 | B | 1/4 | 0.51 (13.0) | 26 (11.8) | **HBLHR2550** |
| Low pressure ⅜" ID. | 25 (7.6) | 300 | A | 3/8 | 0.65 (16.5) | 23 (10.4) | **HBLHR3825** |
| | 50 (15.2) | 300 | C | 3/8 | 0.65 (16.5) | 36 (16.3) | **HBLHR3850** |
| | 70 (21.3) | 300 | E | 3/8 | 0.65 (16.5) | 50 (22.7) | **HBLHR3870** |
| Low pressure ½" ID. | 35 (10.7) | 300 | C | 3/8 | 0.77 (19.6) | 38 (17.2) | **HBLHR5035** |
| | 50 (15.2) | 300 | E | 3/8 | 0.77 (19.6) | 44 (20.0) | **HBLHR5050** |



HBL50SD

## Static Discharge Reels

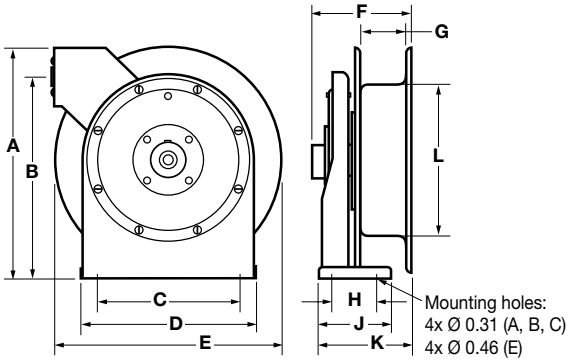
| Description | Cable Length Feet (m) | Cable Type | Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|
| Static discharge reel. | 50 (15.2) | Single 3/32" Steel | 12 (5.4) | **HBL50SD** |
| Static discharge reel. | 50 (15.2) | Single 3/32" Steel Nylon Coated | 13 (5.9) | **HBL50SDN** |
| Static discharge reel. | 50 (15.2)* | Dual (Y) 3/32" Steel | 13 (5.9) | **HBL50YSD** |

*Note: *35 ft. (10.6m) + Dual 15 ft. (4.5m) for "Y".*

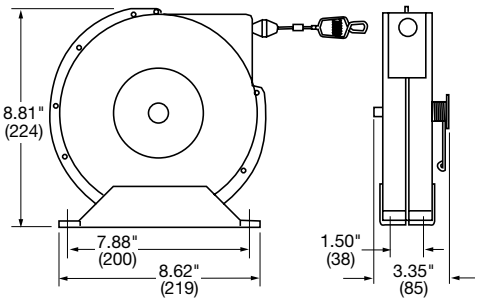
## Dimensions

| Frame size | A | B | C | D | E | F | G | H | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 12.88 (327) | 11.25 (286) | 8.00 (203) | 9.88 (250) | 12.13 (308) | 5.50 (140) | 2.50 (64) | 2.50 (64) | 4.00 (102) | 5.09 (132) | 8.38 (213) | — |
| B | 14.50 (368) | 12.81 (325) | 9.75 (248) | 11.25 (285) | 13.75 (349) | 6.19 (157) | 3.16 (80) | 2.50 (64) | 4.00 (102) | 5.88 (149) | 8.38 (213) | — |
| C | 17.50 (445) | 15.63 (286) | 9.75 (248) | 11.25 (285) | 16.50 (419) | 6.19 (157) | 3.16 (80) | 2.50 (64) | 4.00 (102) | 5.88 (149) | 10.25 (260) | — |
| E | 20.38 (518) | 18.12 (460) | 7.88 (200) | 9.45 (240) | 19.00 (483) | 6.63 (168) | 3.35 (85) | 3.86 (98) | 5.43 (138) | 6.10 (155) | 11.00 (280) | 9.5 (241) |

### Air/Water Hose Reels




### Static Discharge Reel




*Dimensions in Inches (mm)*

## Features and Benefits

### Tool Balancers

ToolAssistPro™

ERGO™ -1
UP TO 5lbs



- Hand-windable spring tension adjustment knob is flush with the housing
- Push-button to easily release spring tension
- Rugged steel upper swivel hook with secondary safety cable provision

ERGO™ -2
UP TO 27lbs



- Rugged steel construction with black polyester baked finish
- Reinforced hanging bracket with forged clevis for ceiling mounting
- Spring is permanently lubricated and adjustable

ERGO™ -3
UP TO 308lbs



- Rugged die cast aluminum housing
- Both top and bottom hooks have spring-loaded safety latches
- Heavy duty steel wire rope

### ERGO-1 Light Duty Tool Balancers



| Description | Load lbs (kg) Min | Load lbs (kg) Max | Cable Length* Feet (m) | Reel Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|
| Balancer for loads up to 5 lbs | 0.5 (0.2) | 1.5 (0.7) | 6 (1.8) | 1.3 (0.6) | **HBLBD01** |
| | 1.5 (0.5) | 3.0 (1.4) | 6 (1.8) | 1.3 (0.6) | **HBLBD03** |
| | 3.0 (1.4) | 5.0 (2.3) | 6 (1.8) | 1.5 (0.7) | **HBLBD05** |

**Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.*

### ERGO-2 Medium Duty Tool Balancers



| Description | Ratchet Lock | Load lbs (kg) Min | Load lbs (kg) Max | Cable Length* Feet (m) | Reel Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|---|
| Balancers (constant pull reels) May be adjusted to balance through 6-18 in. (152 457mm) range. | No | 3 (1.4) | 7 (3.2) | 8 (2.4) | 6 (2.7) | **HBLBG03** |
| | | 5 (2.3) | 10 (4.5) | 8 (2.4) | 6 (2.7) | **HBLBG07** |
| | | 8 (3.6) | 12 (5.4) | 8 (2.4) | 7 (3.2) | **HBLBG10** |
| | | 10 (4.5) | 15 (6.8) | 8 (2.4) | 8 (3.6) | **HBLBG15** |
| | | 16 (7.2) | 23 (10.4) | 8 (2.4) | 8 (3.6) | **HBLBG20** |
| | | 16 (7.2) | 23 (10.4) | 8 (2.4) | 8 (3.6) | **HBLBG20SH**** |
| | | 22 (9.9) | 27 (12.2) | 8 (2.4) | 8 (3.6) | **HBLBG25** |
| Retractors (ratchet lock) Retract tool upward when manually released | Yes | 3 (1.4) | 7 (3.2) | 8 (2.4) | 6 (2.7) | **HBLBG03L** |
| | | 5 (2.3) | 10 (4.5) | 8 (2.4) | 6 (2.7) | **HBLBG07L** |
| | | 8 (3.6) | 12 (5.4) | 8 (2.4) | 7 (3.2) | **HBLBG10L** |
| | | 10 (4.5) | 15 (6.8) | 8 (2.4) | 8 (3.6) | **HBLBG15L** |
| | | 16 (7.2) | 23 (10.4) | 8 (2.4) | 8 (3.6) | **HBLBG20L** |
| | | 16 (7.2) | 23 (10.4) | 8 (2.4) | 8 (3.6) | **HBLBG20LSH**** |
| | | 22 (9.9) | 27 (12.2) | 8 (2.4) | 8 (3.6) | **HBLBG25L** |
| Torque reels*** (ratchet lock and longer cable) | Yes | 3 (1.4) | 7 (3.2) | 15 (4.5) | 8 (3.6) | **HBLTQ1507** |
| | | 5 (2.3) | 10 (4.5) | 15 (4.5) | 10 (4.5) | **HBLTQ1510** |
| | | 10 (4.5) | 15 (6.8) | 15 (4.5) | 12 (5.4) | **HBLTQ1515** |

***Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook. | **Includes HBLBGSH "Shock Stop." | ***Clevis mount. For rigid mount, add "R" suffix.*

### ERGO-3 Heavy Duty Tool Balancers



| Description | Load lbs (kg) Min | Load lbs (kg) Max | Cable Length* Feet (m) | Reel Weight Lbs. (kg) | Catalog Number |
|---|---|---|---|---|---|
| Heavy-duty balancer for loads up to 308 lbs | 1.1 (.05) | 4.4 (2.0) | 3.3 (1.0) | 2.2 (1.0) | **HBLBH02** |
| | 2.2 (1.0) | 6.6 (3.0) | 4.3 (1.3) | 2.8 (1.3) | **HBLBH03** |
| | 5.5 (2.5) | 11 (5.0) | 4.3 (1.3) | 3.3 (1.5) | **HBLBH05** |
| | 9.0 (4.1) | 20 (9.1) | 3.9 (1.2) | 13.4 (6.1) | **HBLBH09** |
| | 20 (9.1) | 33 (15.0) | 3.9 (1.2) | 13.4 (6.1) | **HBLBH15** |
| | 33 (15.0) | 48 (21.8) | 4.5 (1.4) | 22.6 (10.3) | **HBLBH22** |
| | 48 (21.8) | 66 (30.0) | 4.5 (1.4) | 22.6 (10.3) | **HBLBH30** |
| | 66 (30.0) | 88 (40.0) | 4.5 (1.4) | 27.0 (12.2) | **HBLBH40** |
| | 88 (40.0) | 110 (50.0) | 4.5 (1.4) | 27.0 (12.2) | **HBLBH50** |
| | 110 (50.0) | 132 (60.0) | 4.5 (1.4) | 31.4 (14.2) | **HBLBH60** |
| | 132 (60.0) | 154 (70.0) | 4.5 (1.4) | 31.4 (14.2) | **HBLBH70** |
| | 154 (70.0) | 187 (85.0) | 4.5 (1.4) | 58.4 (26.5) | **HBLBH85** |
| | 187 (85.0) | 220 (100.0) | 4.5 (1.4) | 56.0 (25.4) | **HBLBH100** |
| | 220 (100.0) | 264 (120.0) | 4.5 (1.4) | 60.0 (27.2) | **HBLBH120** |
| | 264 (120.0) | 308 (140.0) | 4.5 (1.4) | 61.0 (27.7) | **HBLBH140** |

***Load includes hose or cord and other attachements which must be supported by balancer. | **Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.*

*Dimensions in Inches (mm)*

## Features and Benefits

**Workstation Kits**
- Adjustable and customizable to fit virtually any bench and task
- Superior rigidity and durability
- Kits include one WS30 and one WS50 rail

**Accessories**
- Most components which make up kits are available separately
- Can be installed easily on fixed or portable workstation kits

ToolAssistPro™



### Straight Tool Rail Kits

| Description | Length ft (m) | | Catalog Number |
|---|---|---|---|
| Straight rail bench top kit. Best mounted to butcher block tops. Straight rail | 6.0 (1.8) | 5.0 (1.5) | **HBLWGB030560** |
| table top kit. Table brackets predrilled to fit Equipto and Lyon steel tops. | 6.0 (1.8) | 5.0 (1.5) | **HBLWKB030560** |



### Power Bars

| Description | Catalog Number |
|---|---|
| 60 in. power bar with 60 in. mounting bar | **HBLWPB505A** |



### Manifold with Brackets

| Description | Width ft (m) | # of Taps | Catalog Number |
|---|---|---|---|
| Mounts to vertical columns or top rails on workstations | 5 (1.5) | 5 | **HBLWMAN05C** |



### Balancer Trolleys

| Description | Catalog Number |
|---|---|
| Balancer trolley | **HBLWS50BTL** |
| Single roller balancer trolley | **HBLWS50BTS** |



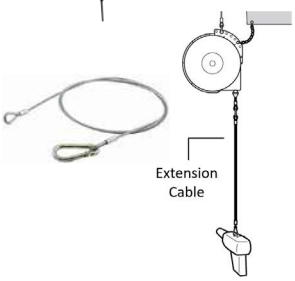
### Adjustable Cable Saddle

| Description | Load lbs (kg) Min | Max | Catalog Number |
|---|---|---|---|
| Hangs from balancer cable above tool to provide strain relief for electrical cable or air hose. Available in three sizes. Includes safety clip. | 0.3 (7) | 0.59 (14) | **HBLCSF1** |
| | 0.6 (15) | 0.94 (23) | **HBLCSF2** |
| | 0.95 (24) | 1.25 (31) | **HBLCSF3** |



### "Shock Stop" Shock Absorber

| Description | Catalog Number |
|---|---|
| Minimize cable damage often caused by overtensioning tool balancers. "Shock Stop" kit is easily installed. Can be used on ERGO-2 balancer. Kit includes spring, cable stops, all hardware. | **HBLBGSH** |




### Extension Cable

| Description | Length ft (m) | Catalog Number |
|---|---|---|
| Nylon covered steel cable with safety clip. Extends the cable length of ERGO-1 and ERGO-2 Tool Balancers. | 3 (0.9) | **HBLOC03** |
| | 5 (1.5) | **HBLOC05** |
| | 10 (3.0) | **HBLOC10** |
| | 15 (4.6) | **HBLOC15** |



### Safety Cable/Chain

| Description | For use with | Length ft (m) | Catalog Number |
|---|---|---|---|
| Strongly recommended, secondary steel cable or steel link chain. Prevents balancer from accidental fall. Balancers have extra holes for cable or chain. | HBLBD01-05 | 1 (0.3) | **HBLSCBD1*** |
| | HBLBG03-25 | 1 (0.3) | **HBLSCBG1**** |
| | HBLBG03L-25L | 2 (0.6) | **HBLSCBG2**** |
| | HBLTQ1057-15 | 3 (0.9) | **HBLSCBG3**** |
| | HBLBH03-30 | | |
| | HBLBH40-140 | 3 (0.9) | **HBLSCBH3**** |

*Dimensions in Inches (mm)*

# SECTION K

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**Extra Heavy Duty Industrial GFCIs**



**Heavy Duty Commercial GFCIs**



**Portable GFCI Products**




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# Ground Fault Products

## Features and Benefits

***AUTOGUARD® Self Test Technology 1st introduced by Hubbell Over 10 Years Ago!***
***Self Test Monitoring Now Required in 2015 UL943 GFCI Safety Standad.***

### Hubbell Self Test GFCI Patented Technology

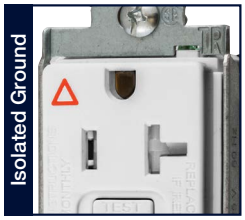
Hubbell AUTOGUARD® GFCI receptacles continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. GFCI auto-monitoring is conducted continuously within every 30 seconds.

Also, clear visual indicators are provided on the device face representing power status, trip condition, ground fault condition and end of life status. In addition, for added safety, power will be denied to the receptacle face if reverse wiring of line and load was to occur.

UL (Underwriters Laboratory) now requires all manufacturers to provide self test monitoring capability effective June 29, 2015. When was the last time you tested a GFCI receptacle? Industry studies indicate only a very small number of installations are actually being tested as is recommended by the manufacturer and UL. This is the fundamental reason this revision has been incorporated into UL943 standard for 2015.

| Each GFR must automatically monitor GFCI functionality periodically | If the unit can no longer provide GFCI protection, it must comply with the following | Reverse line and load miswire function – (repeated) |
|---|---|---|
| Automatically test within (5) seconds of power to line and load terminals; periodically means every (3) hours or less. | Deny Power (trip with the inability to reset); if unit does reset it is subject to the next auto-monitoring test cycle.<br>Visual and/or audible indication that it no longer can provide protection. | If the line conductor is wired to the load terminal, power to the receptacle face will be denied. This includes both the initial installation and any subsequent reinstallations. |

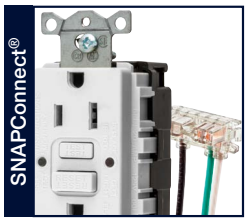






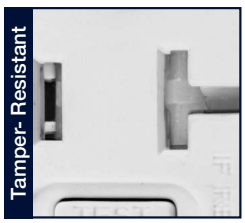

















### Features and Benefits

- **Patented AUTOGUARD® Technology** — Continuous Self Test functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost
- **Federal Communications Commission Part 15** — Compliant for radiated and conducted emissions
- **Thermoplastic Nylon Housing** — High Impact and Ultraviolet Resistant construction provides resilience in harsh environments
- **Clear Visual Indication of GFR Status** — LED Indicating Lights:
  - Green LED (power to the device)
  - Red LED (trip condition/ground fault condition)
  - Flashing Red LED (end of life)
- **Internal Back Wiring Clamp and Guide Pocket** — Quick and dependable termination
- **Protection Against Line and Load Reversal** — No power to the face or downstream receptacles if device is miswired
- **Installation Ease, Lower Labor Cost** — With auto-grounding clip, captive mounting screws and single tab "breakoff" ears and full "breakoff" for OEM raised covers
- **Night Light Option** — Light sensor controls for automatic "ON/OFF" and custom dual lens for optimum light output

## Features and Benefits




### Extra Heavy Duty Industrial and Hospital Grade GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester “V0” thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust



### AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

| Description | Rating | Color | Industrial | Industrial Hospital Grade |
|---|---|---|---|---|
| Extra Heavy Duty Industrial Ground Fault Receptacle 15A 125V Feed Through Tamper and Weather Resistant | 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | **GFSG5262BLK** | **GFSG8200BLK** |
| | | Brown | **GFSG5262** | **GFSG8200** |
| | | Gray | **GFSG5262GRY** | **GFSG8200GRY** |
| | | Ivory | **GFSG5262I** | **GFSG8200I** |
| | | Red | **GFSG5262R** | **GFSG8200R** |
| | | White | **GFSG5262W** | **GFSG8200W** |
| Extra Heavy Duty Industrial Ground Fault Receptacle 20A 125V Feed Through Tamper and Weather Resistant | 20A 125V NEMA 5-20R UL CSA 1 HP | Black | **GFSG5362BLK** | **GFSG8300BLK** |
| | | Brown | **GFSG5362** | **GFSG8300** |
| | | Gray | **GFSG5362GRY** | **GFSG8300GRY** |
| | | Ivory | **GFSG5362I** | **GFSG8300I** |
| | | Red | **GFSG5362R** | **GFSG8300R** |
| | | White | **GFSG5362W** | **GFSG8300W** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. Note – yellow version comes with SS plate only*
*See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.*

### GFCI Receptacle Specifications per GFCI Products Listed (Pages K-3 to K-8)

| | |
|---|---|
| Trip Level | 4 to 6 mA. |
| Trip Time | .025 second nominal. |
| Frequency | 60 Hz. |
| Voltage | 120V AC +10% - 15% (102V to 132V). |
| Amperage | 15A/20A, 20A Feed-Thru. |
| Maximum Interrupting Capacity | 10,000A. |
| Operating Temperature | -35°C to 66°C or -30°F to 150°F. |
| Maximum Humidity | 95%. |
| Dust Resistant | Meets UL 943, section 6.20 for resistance to dust contaminants |
| Corrosion Resistant | Meets UL 943, section 6.21 for resistance to corrosion |
| FCC Part 15 Class B | Certified conformance to radiated and conducted emission testing per FCC |
| Immunity to noise | Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances |
| Listings and Standards | Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified. |
| Codes | Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73. |

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits

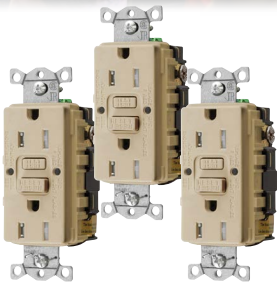
### Heavy Duty Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517.18(C)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition
- Thermoplastic wall plate included







## Tamper-Resistant

| Rating | Color | Standard | Night Light Two LED Night Lights | Alarm | Combination Switch 15A 120V Switch | Standard 3-Pack Three Devices per Pack |
|---|---|---|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | GFTRST15BK | GFTRST15BKNL | GFTRST15BKB | — | — |
| | Brown | GFTRST15 | GFTRST15NL | GFTRST15B | — | — |
| | Gray | GFTRST15GY | GFTRST15GYNL | GFTRST15GYB | — | — |
| | Ivory | GFTRST15I | GFTRST15INL | GFTRST15IB | GFSPST15I | GFTRST15I3 |
| | Light Almond | GFTRST15LA | GFTRST15LANL | GFTRST15LAB | GFSPST15LA | GFTRST15LA3 |
| | Red | GFTRST15R | GFTRST15RNL | GFTRST15RB | — | — |
| | White | GFTRST15W | GFTRST15WNL | GFTRST15WB | GFSPST15W | GFTRST15W3 |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | GFTRST20BK | GFTRST20BKNL | GFTRST20BKB | — | — |
| | Brown | GFTRST20 | GFTRST20NL | GFTRST20B | — | — |
| | Gray | GFTRST20GY | GFTRST20GYNL | GFTRST20GYB | — | — |
| | Ivory | GFTRST20I | GFTRST20INL | GFTRST20IB | — | GFTRST20I3 |
| | Light Almond | GFTRST20LA | GFTRST20LANL | GFTRST20LAB | — | GFTRST20LA3 |
| | Red | GFTRST20R | GFTRST20RNL | GFTRST20RB | — | — |
| | White | GFTRST20W | GFTRST20WNL | GFTRST20WB | — | GFTRST20W3 |

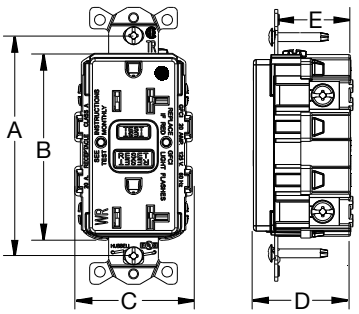



## Hospital Grade ● Tamper-Resistant

| Rating | Color | Night Light Two LED Night Lights | Alarm |
|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | GFTRST82BKNL | GFTRST82BKB |
| | Brown | GFTRST82NL | GFTRST82B |
| | Gray | GFTRST82GYNL | GFTRST82GYB |
| | Ivory | GFTRST82INL | GFTRST82IB |
| | Light Almond | GFTRST82LANL | GFTRST82LAB |
| | Red | GFTRST82RNL | GFTRST82RB |
| | White | GFTRST82WNL | GFTRST82WB |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | GFTRST83BKNL | GFTRST83BKB |
| | Brown | GFTRST83NL | GFTRST83B |
| | Gray | GFTRST83GYNL | GFTRST83GYB |
| | Ivory | GFTRST83INL | GFTRST83IB |
| | Light Almond | GFTRST83LANL | GFTRST83LAB |
| | Red | GFTRST83RNL | GFTRST83RB |
| | White | GFTRST83WNL | GFTRST83WB |

## Product Dimensions

| GFCI Receptacle | |
|---|---|
| A | 3.27 (83.1) |
| B | 2.75 (69.8) |
| C | 1.75 (44.5) |
| D | 1.47 (37.4) |
| E | 1.10 (27.9) |




*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

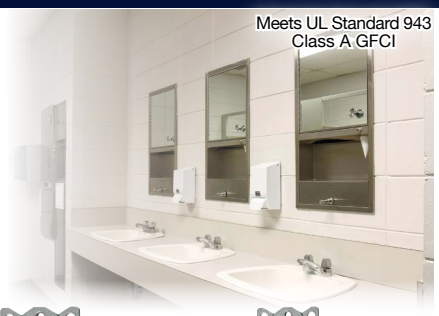
*Dimensions in Inches (mm)*

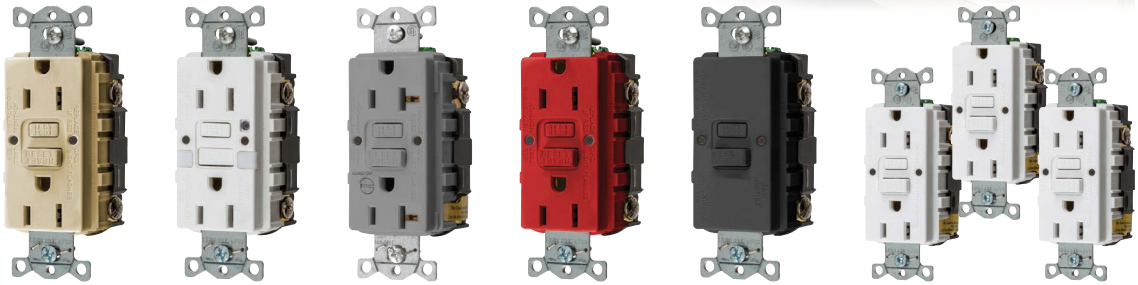
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits

### Heavy Duty Commercial Standard GFCI Receptacles

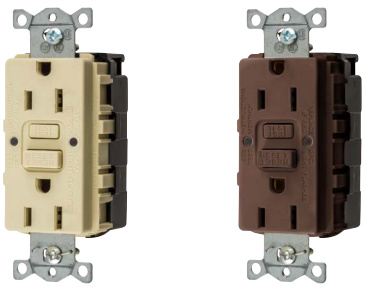
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



## Standard

| Rating | Color | Standard | Night Light Two LED Night Lights | Alarm | Assembled in USA | Blank Face Available in 20A Only | Standard 3-Pack Three Devices per Pack |
|---|---|---|---|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | GFRST15BK | GFRST15BKNL | GFRST15BKB | GFRST15BKU | — | — |
| | Brown | GFRST15 | GFRST15NL | GFRST15B | GFRST15U | — | — |
| | Gray | GFRST15GY | GFRST15GYNL | GFRST15GYB | GFRST15GYU | — | — |
| | Ivory | GFRST15I | GFRST15INL | GFRST15IB | GFRST15IU | — | GFRST15I3 |
| | Light Almond | GFRST15LA | GFRST15LANL | GFRST15LAB | GFRST15LAU | — | GFRST15LA3 |
| | Red | GFRST15R | GFRST15RNL | GFRST15RB | GFRST15RU | — | — |
| | White | GFRST15W | GFRST15WNL | GFRST15WB | GFRST15WU | — | GFRST15W3 |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | GFRST20BK | GFRST20BKNL | GFRST20BKB | GFRST20BKU | GFBFST20BK | — |
| | Brown | GFRST20 | GFRST20NL | GFRST20B | GFRST20U | GFBFST20 | — |
| | Gray | GFRST20GY | GFRST20GYNL | GFRST20GYB | GFRST20GYU | GFBFST20GY | — |
| | Ivory | GFRST20I | GFRST20INL | GFRST20IB | GFRST20IU | GFBFST20I | GFRST20I3 |
| | Light Almond | GFRST20LA | GFRST20LANL | GFRST20LAB | GFRST20LAU | GFBFST20LA | GFRST20LA3 |
| | Red | GFRST20R | GFRST20RNL | GFRST20RB | GFRST20RU | GFBFST20R | — |
| | White | GFRST20W | GFRST20WNL | GFRST20WB | GFRST20WU | GFBFST20W | GFRST20W3 |



## Standard SNAP*Connect*®

| Rating | Color | Standard | Assembled in USA |
|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | GFRST15SNAPBK | GFRST15SNAPBKNA |
| | Brown | GFRST15SNAP | GFRST15SNAPNA |
| | Gray | GFRST15SNAPGY | GFRST15SNAPGYNA |
| | Ivory | GFRST15SNAPI | GFRST15SNAPINA |
| | Light Almond | GFRST15SNAPLA | GFRST15SNAPLANA |
| | Red | GFRST15SNAPR | GFRST15SNAPRNA |
| | White | GFRST15SNAPW | GFRST15SNAPWNA |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | GFRST20SNAPBK | GFRST20SNAPBKNA |
| | Brown | GFRST20SNAP | GFRST20SNAPNA |
| | Gray | GFRST20SNAPGY | GFRST20SNAPGYNA |
| | Ivory | GFRST20SNAPI | GFRST20SNAPINA |
| | Light Almond | GFRST20SNAPLA | GFRST20SNAPLANA |
| | Red | GFRST20SNAPR | GFRST20SNAPRNA |
| | White | GFRST20SNAPW | GFRST20SNAPWNA |



## SNAP*Connect*® Right Angle Pigtailed Terminal

| Description | Type | Catalog Number |
|---|---|---|
| Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material. | Solid | SNAP1RA |
| | Stranded | SNAP2RA |
| Same as above. Assembled in USA. | Solid | SNAP1RNA |
| | Stranded | SNAP2RNA |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals. | Solid | SNAP1RAM2 |
| | Stranded | SNAP2RAM2 |
| Same as above. Assembled in USA. | Solid | SNAP1RNAM2 |
| | Stranded | SNAP2RNAM2 |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

## Features and Benefits

### Heavy Duty Commercial Standard Hospital Grade GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple









## Hospital Grade ●

| Rating | Color | Standard | Night Light Two LED Night Lights | Alarm | Assembled in USA |
|---|---|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | **GFR82BLK** | **GFRST82BKNL** | **GFRST82BKB** | **GFRST82BKU** |
| | Brown | **GFR82** | **GFRST82NL** | **GFRST82B** | **GFRST82U** |
| | Gray | **GFR82GRY** | **GFRST82GYNL** | **GFRST82GYB** | **GFRST82GYU** |
| | Ivory | **GFR82I** | **GFRST82INL** | **GFRST82IB** | **GFRST82IU** |
| | Light Almond | **GFR82LA** | **GFRST82LANL** | **GFRST82LAB** | **GFRST82LAU** |
| | Red | **GFR82R** | **GFRST82RNL** | **GFRST82RB** | **GFRST82RU** |
| | White | **GFR82W** | **GFRST82WNL** | **GFRST82WB** | **GFRST82WU** |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | **GFR83BLK** | **GFRST83BKNL** | **GFRST83BKB** | **GFRST83BKU** |
| | Brown | **GFR83** | **GFRST83NL** | **GFRST83B** | **GFRST83U** |
| | Gray | **GFR83GRY** | **GFRST83GYNL** | **GFRST83GYB** | **GFRST83GYU** |
| | Ivory | **GFR83I** | **GFRST83INL** | **GFRST83IB** | **GFRST83IU** |
| | Light Almond | **GFR83LA** | **GFRST83LANL** | **GFRST83LAB** | **GFRST83LAU** |
| | Red | **GFR83R** | **GFRST83RNL** | **GFRST83RB** | **GFRST83RU** |
| | White | **GFR83W** | **GFRST83WNL** | **GFRST83WB** | **GFRST83WU** |



## Hospital Grade ● SNAP*Connect*®

| Rating | Color | Standard |
|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | — |
| | Brown | — |
| | Gray | — |
| | Ivory | **SNAPGF82I** |
| | Light Almond | **SNAPGF82LA** |
| | Red | **SNAPGF82R** |
| | White | **SNAPGF82W** |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | **SNAPGF83BLK** |
| | Brown | **SNAPGF83** |
| | Gray | **SNAPGF83GRY** |
| | Ivory | **SNAPGF83I** |
| | Light Almond | **SNAPGF83LA** |
| | Red | **SNAPGF83R** |
| | White | **SNAPGF83W** |



## SNAP*Connect*® Right Angle Pigtailed Terminal

| Description | Type | Catalog Number |
|---|---|---|
| Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material. | Solid | **SNAP1RA** |
| | Stranded | **SNAP2RA** |
| Same as above. Assembled in USA. | Solid | **SNAP1RNA** |
| | Stranded | **SNAP2RNA** |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals. | Solid | **SNAP1RAM2** |
| | Stranded | **SNAP2RAM2** |
| Same as above. Assembled in USA. | Solid | **SNAP1RNAM2** |
| | Stranded | **SNAP2RNAM2** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

## Features and Benefits

### Heavy Duty Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (406.12) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired










### Tamper-Resistant Weather Resistant

| Rating | Color | Standard | Assembled in USA | Isolated Ground | SNAPConnect® | Right Angle Pigtailed Terminal | |
|---|---|---|---|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | GFTWRST15BK | GFTWRST15BKU | GFTWRST15BKIG | GFTWRST15SNAPBK | Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material. | |
| | Brown | GFTWRST15 | GFTWRST15U | GFTWRST15IG | GFTWRST15SNAP | | |
| | Gray | GFTWRST15GY | GFTWRST15GYU | GFTWRST15GYIG | GFTWRST15SNAPGY | | |
| | Ivory | GFTWRST15I | GFTWRST15IU | GFTWRST15IIG | GFTWRST15SNAPI | | |
| | Light Almond | GFTWRST15LA | GFTWRST15LAU | GFTWRST15LAIG | GFTWRST15SNAPLA | | |
| | Orange | — | — | GFTWRST15ORIG | — | | |
| | Red | GFTWRST15R | GFTWRST15RU | GFTWRST15RIG | GFTWRST15SNAPR | Solid | SNAP1RA |
| | White | GFTWRST15W | GFTWRST15WU | GFTWRST15WIG | GFTWRST15SNAPW | Stranded | SNAP2RA |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | GFTWRST20BK | GFTWRST20BKU | GFTWRST20BKIG | GFTWRST20SNAPBK | Same as above. Assembled in USA. | |
| | Brown | GFTWRST20 | GFTWRST20U | GFTWRST20IG | GFTWRST20SNAP | | |
| | Gray | GFTWRST20GY | GFTWRST20GYU | GFTWRST20GYIG | GFTWRST20SNAPGY | | |
| | Ivory | GFTWRST20I | GFTWRST20IU | GFTWRST20IIG | GFTWRST20SNAPI | | |
| | Light Almond | GFTWRST20LA | GFTWRST20LAU | GFTWRST20LAIG | GFTWRST20SNAPLA | | |
| | Orange | — | — | GFTWRST20ORIG | — | | |
| | Red | GFTWRST20R | GFTWRST20RU | GFTWRST20RIG | GFTWRST20SNAPR | Solid | SNAP1RNA |
| | White | GFTWRST20W | GFTWRST20WU | GFTWRST20WIG | GFTWRST20SNAPW | Stranded | SNAP2RNA |







### Hospital Grade ● Tamper-Resistant Weather Resistant

| Rating | Color | Standard | Assembled in USA | Isolated Ground | SNAPConnect® | Right Angle Pigtailed Terminal | |
|---|---|---|---|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | GFRTW82BLK | GFTWRST82BKU | GFTWRST82BKIG | — | Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material. | |
| | Brown | GFRTW82 | GFTWRST82U | GFTWRST82IG | — | | |
| | Gray | GFRTW82GRY | GFTWRST82GYU | GFTWRST82GYIG | SNAPGFTW82GRY | | |
| | Ivory | GFRTW82I | GFTWRST82IU | GFTWRST82IIG | SNAPGFTW82I | | |
| | Light Almond | GFRTW82LA | GFTWRST82LAU | GFTWRST82LAIG | SNAPGFTW82LA | | |
| | Orange | — | — | GFTWRST82ORIG | — | | |
| | Red | GFRTW82R | GFTWRST82RU | GFTWRST82RIG | SNAPGFTW82R | Solid | SNAP1RA |
| | White | GFRTW82W | GFTWRST82WU | GFTWRST82WIG | SNAPGFTW82W | Stranded | SNAP2RA |
| 20A 125V NEMA 5-20R UL CSA 1 HP | Black | GFRTW83BLK | GFTWRST83BKU | GFTWRST83BKIG | SNAPGFTW83BLK | Same as above. Assembled in USA. | |
| | Brown | GFRTW83 | GFTWRST83U | GFTWRST83IG | SNAPGFTW83 | | |
| | Gray | GFRTW83GRY | GFTWRST83GYU | GFTWRST83GYIG | SNAPGFTW83GRY | | |
| | Ivory | GFRTW83I | GFTWRST83IU | GFTWRST83IIG | SNAPGFTW83I | | |
| | Light Almond | GFRTW83LA | GFTWRST83LAU | GFTWRST83LAIG | SNAPGFTW83LA | | |
| | Orange | — | — | GFTWRST83ORIG | — | | |
| | Red | GFRTW83R | GFTWRST83RU | GFTWRST83RIG | SNAPGFTW83R | Solid | SNAP1RNA |
| | White | GFRTW83W | GFTWRST83WU | GFTWRST83WIG | SNAPGFTW83W | Stranded | SNAP2RNA |

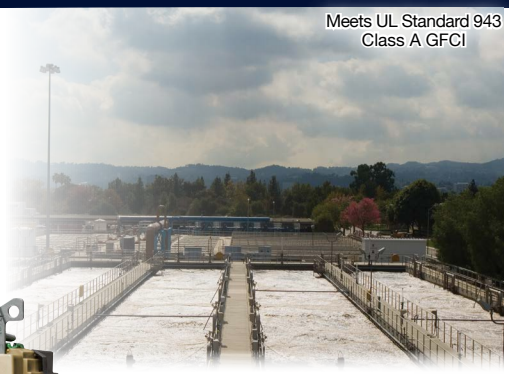
*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

# Ground Fault Products

## Features and Benefits

### Heavy Duty Commercial Weather Resistant GFCI Receptacles

- Patented AUTOGUARD® self test technology
- Meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Protects against line and load reversal, no power to the face or downstream if device is miswired








### Weather Resistant

| Rating | Color | Standard | Rating | Color | Standard |
|---|---|---|---|---|---|
| 15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | **GFWRST15BK** | 20A 125V NEMA 5-20R UL CSA 1 HP | Black | **GFWRST20BK** |
| | Brown | **GFWRST15** | | Brown | **GFWRST20** |
| | Gray | **GFWRST15GY** | | Gray | **GFWRST20GY** |
| | Ivory | **GFWRST15I** | | Ivory | **GFWRST20I** |
| | Light Almond | **GFWRST15LA** | | Light Almond | **GFWRST20LA** |
| | Red | **GFWRST15R** | | Red | **GFWRST20R** |
| | White | **GFWRST15W** | | White | **GFWRST20W** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

## Features and Benefits

### UL 508 1.5HP GFCI Receptacles

Hubbell AUTOGUARD® GFR products continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. Also, visual indicators are clearly provided on the device face representing "power status", "trip condition", "ground fault condition" and "end of life status".

- Blank face 1.5 horsepower motor control rated switch UL508 listed. Also listed to Underwriters Laboratories standard 943 for Class A GFCI
- If wired incorrectly there will be no power to the face or to downstream receptacles for added safety. (2) LED indicators provide immediate status of power, trip condition and ability to provide GFCI protection
- In addition to providing Class A GFCI protection, the HP series includes a 1.5 HP rating for motor control switching per UL508




**GFBFHP20GY**

### UL 508 1.5HP GFCI

| Rating | Color | Standard |
|---|---|---|
| 20A 125V 1.5 HP | Black | **GFBFHP20BK** |
| | Brown | **GFBFHP20** |
| | Gray | **GFBFHP20GY** |
| | Ivory | **GFBFHP20I** |
| | Light Almond | **GFBFHP20LA** |
| | Red | **GFBFHP20R** |
| | White | **GFBFHP20W** |



*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

Fed.Spec.

Meets UL Standard 943
Class A GFCI

## Features and Benefits

### Heavy Duty SNAPConnect® Commercial Grade GFCI Receptacles

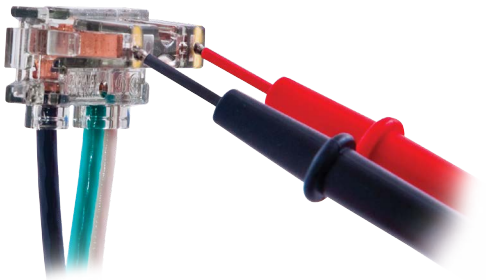
Requires minimal box space
- Compact size
- Clean finished look

Installation ease
- Self-grounding staple

Audible SNAP, indicates solid connection
- Secure, easy grip latch

Inspection of power contacts
- Clear terminal housing
- No exposed metal





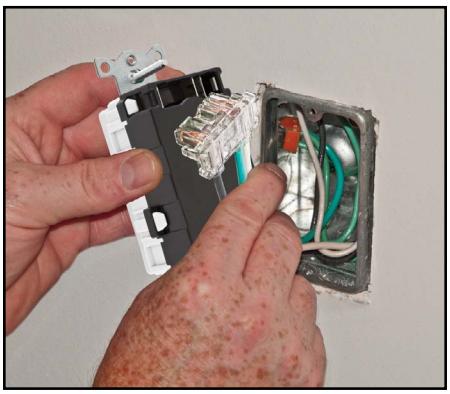
**No Special Tester Required**
.085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters

## Labor Savings Feature!



***Save one Minute!***

Rough-in the SNAP*Connect*® terminal instead of pigtails.



***Save Over Three Minutes!***

Remove protective packaging and SNAP*Connect*® device to the circuit.



***Complete Trim-Out in Less Than One Minute!***

Secure mounting screws, attach wallplate, job complete.

## Features and Benefits

### Arc Fault AFCI Receptacles

- Meets new 2017 National Electric Code for AFCI Protection
- Qualified to Federal Specification Listing WC596
- Meets or exceeds UL requirements for tripping time on series and parallel arcs
- Tamper-Resistant and self grounding construction are standard features
- Green power ON LED indicator
- Automatically tests the AFCI each time the reset button is pressed in place
- No reset when tested if AFCI functionality is compromised









### Arc Fault AFCI Receptacles

| Rating | Color | Standard | Rating | Color | Standard | Blank Face |
|---|---|---|---|---|---|---|
|  15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | **AFR15TRBK** |  20A 125V NEMA 5-20R UL CSA 1 HP | Black | **AFR20TRBK** | — |
| | Brown | **AFR15TR** | | Brown | **AFR20TR** | — |
| | Gray | **AFR15TRGY** | | Gray | **AFR20TRGY** | — |
| | Ivory | **AFR15TRI** | | Ivory | **AFR20TRI** | **AFR20BFI** |
| | Light Almond | **AFR15TRLA** | | Light Almond | **AFR20TRLA** | **AFR20BFW** |
| | White | **AFR15TRW** | | White | **AFR20TRW** | — |

## Specifications

### Ratings

| | |
|---|---|
| Amperage | 15 Amp/20 Amp |
| Feed-thru | 20 Amp Protection |
| Voltage | 120V AC (+10% to15%) (102V to 132V) |
| Horsepower | (1) @ Rated Voltage |
| Flammability | Rated V2 per UL 94 |
| Operating Temperature | (-35°C to 66°C) or (-30°F to 150°F) |

### Certifications

| | |
|---|---|
| UL1699A | E366570 |
| UL498 | Receptacle |
| UL Fed Spec | WC-596 |
| CSA Standard | C22.2 No. 42 |
| CSA Tech | Letter No. M-02A |
| NEMA | WD-6 |

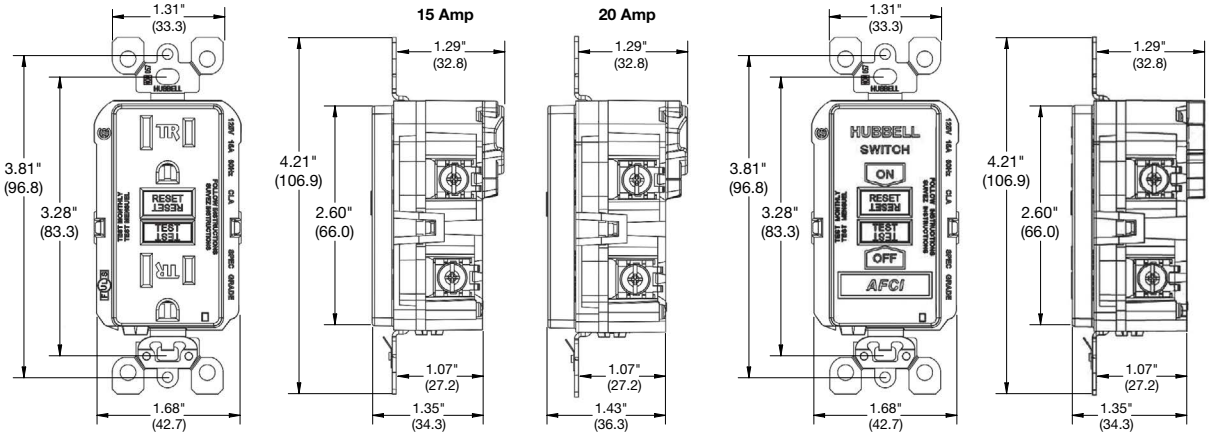
Tamper-Resistant
NEC® 406.12; 210.52 – All 15 and 20A 125V, receptacles shall be listed Tamper-Resistant for dwelling installations.

### Construction

| | |
|---|---|
| Termination | Back and Side |
| Terminal | #14-10 AWG |
| Grounding | Self-Grounding Clip |
| Indicators | Power & Rev Wire |
| Configuration | 2 Pole, 3 Wire |
| NEMA | 5-15R, 5-20R |

*Note: The Hubbell "AFR" series meets all requirements for an outlet branch-circuit type AFCI; protects branch circuit wiring and extensions to branches such including appliances and cord sets. All GFCI receptacles are furnished with a matching color thermoplastic wallplate.*

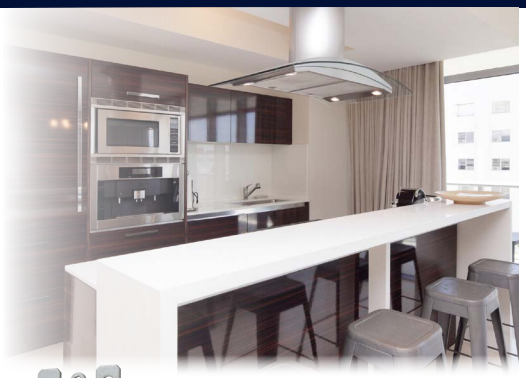
## Product Dimensions




*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits



### Dual Function AFCI/GFCI Receptacles

- Cost effective solution conveniently located within living space; clearly visible, easily resettable if necessary
- Dual functionality, interrupts power if a ground fault or arc fault is detected
- Safety feature prevents device from resetting if it can no longer provide protection or is reverse wired
- Intuitive visual indication is provided for power (LED green ON); trip condition (LED green OFF)
- Clear indication if unit can no longer provide protection (LED red flashes) and will not reset





### Dual Function AFCI/GFCI Receptacles

| Rating | Color | Standard | Rating | Color | Standard |
|---|---|---|---|---|---|
|  15A 125V NEMA 5-15R UL CSA 0.5 HP | Black | **AFGF15TRBK** |  20A 125V NEMA 5-20R UL CSA 1 HP | Black | **AFGF20TRBK** |
| | Brown | **AFGF15TR** | | Brown | **AFGF20TR** |
| | Gray | **AFGF15TRGY** | | Gray | **AFGF20TRGY** |
| | Ivory | **AFGF15TRI** | | Ivory | **AFGF20TRI** |
| | Light Almond | **AFGF15TRLA** | | Light Almond | **AFGF20TRLA** |
| | White | **AFGF15TRW** | | White | **AFGF20TRW** |

## Specifications

### Ratings

| | |
|---|---|
| Amperage | 15 Amp/20 Amp |
| Feed-thru | 20 Amp Protection |
| Voltage | 120V AC (+10% to -15%) (102V to 132V) |
| Horsepower | (1) @ 120V AC |
| Flammability | Rated V2 per UL 94 |
| Operating Temperature | (-35°C to 66°C) or (-30°F to 150°F) |

### Certifications

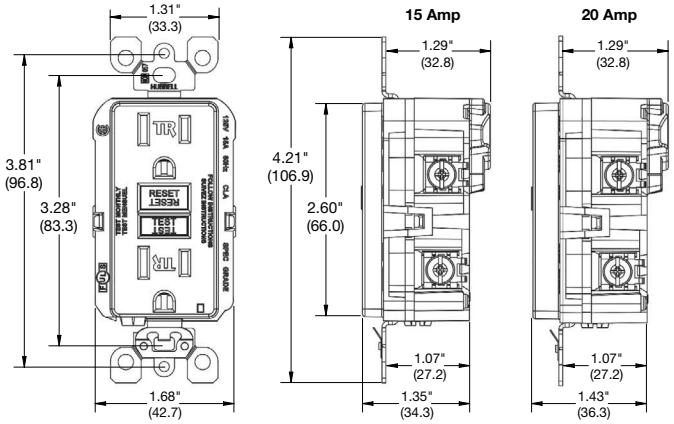
| | |
|---|---|
| UL1699A | E485931 |
| UL498 | Receptacle |
| UL943 | GFCI |
| UL Fed Spec | WC-596 |
| CSA Standard | C22.2 No. 42 |
| CSA Tech | Letter No. M-02A |
| NEMA | WD-6 |

### Construction

| | |
|---|---|
| Termination | Back and Side |
| Terminal | #14-10 AWG |
| Grounding | Autoground Clip |
| Indicators | Power, Trip, End of Life |
| Configuration | 2 Pole, 3 Wire |
| NEMA | 5-15R, 5-20R |

*Note: All Hubbell "AFGF" series GFCI receptacles are furnished with a matching color thermoplastic wallplate.*

## Product Dimensions




*Dimensions in Inches (mm)*

**NEMA Type 4X**

## Typical Applications Include:

Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Mobile Power.






The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual “safe start” reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA Type 4X Rating. This module and breaker system is ideal for portable generator integration protecting all outlets on a generator. This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201. UL/cUL 943 Listed, Class A 4-6mA trip level and UL1053 Compliant.




**GFSMST120A**




**GFSMCB120401P**

## GFCI Sensing Module, 50A Maximum

| Description | Catalog Number |
|---|---|
| 120V AC Sensing Module Auto | **GFSMST120A** |

## GFCI Sensing Module Circuit Breakers

Catalog Number Configurator

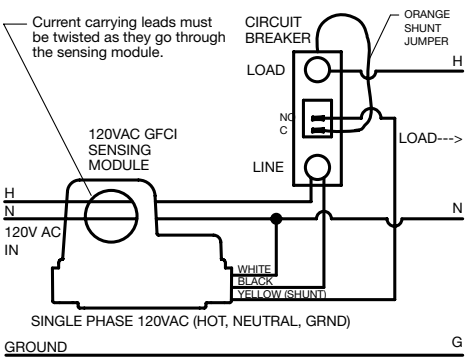
| Ground Fault Sensing Module Circuit Breaker | A/C Voltage | Amperage | Number of Poles | Sensing Module Required |
|---|---|---|---|---|
| **GFSMCB** | 120 | 1 to 50 | 1 | **GFSMST120A** |
| | 120 | | 2 | |
| | 120/240 | | 2 | |
| | 120/240 | | 3 | |

Example Catalog Numbers: **GFSMCB120401P:** 120V, 40A, 1 Pole
**GFSMCB120240203P:** 120/240V, 20A, 3 Pole

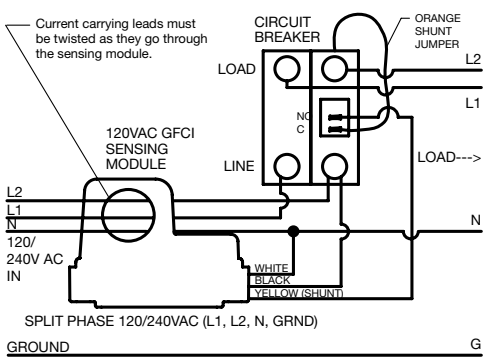
*Note: Voltage tolerance +10% / -15%.*
*Consult factory for other available configurations.*

## Wiring Schematics

**GFSMCB120xx1P**




**GFSMCB120240xx3P**




*Dimensions in Inches (mm)*

## Circuit Guard® Wired On Industrial Portable GFCI Plug

| Description | Rating | Catalog Number |
|---|---|---|
| GFCI plug, manual set, black. | 2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P. | **GFPST5266C** |
| GFCI plug, manual set, yellow. | 2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P. | **GFPST5266CY** |
| GFCI plug with 1 foot line cord, manual set, yellow, with connector body. | 2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R. | **GFPST1C** |



**GFPST5266C**

## Circuit Guard® Wired On Commercial Portable GFCI Plug

| Description | Rating | Catalog Number |
|---|---|---|
| GFCI plug, automatic set field wireable, black. | 2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P. | **GFP515A** |
| GFCI plug, manual set field wireable, black. | 2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P. | **GFP515M** |



**GFPST1C**

## Specifications

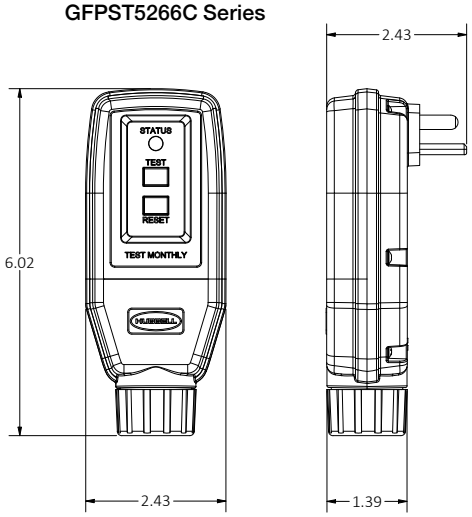
| | |
|---|---|
| Trip Level | 4 to 6 mA. |
| Trip Time | .025 sec. nominal. |
| Frequency | 60 Hz. |
| Voltage | 120V AC +10% – 15%. Incorporates no voltage release feature. |
| Amperage | 15A. |
| Maximum Interrupting Capacity | 2,000A. |
| Operating Temperature | -35°C to 66°C or -30°F to 150°F. |
| Maximum Humidity | 95%. |
| Housing | High-impact, UV stabilized material. UL94V-0 flammability classification. |
| Input | NEMA 5-15P. |
| Cord Range | 16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S. |
| Cord Type: Length (GFP1C) | 14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R. |
| Power “ON” Indication | Indicator light. |
| Listings | Meets UL943 Class A Listed, CSA Certified. |
| Codes | Meets all NEC® and CEC requirements. |



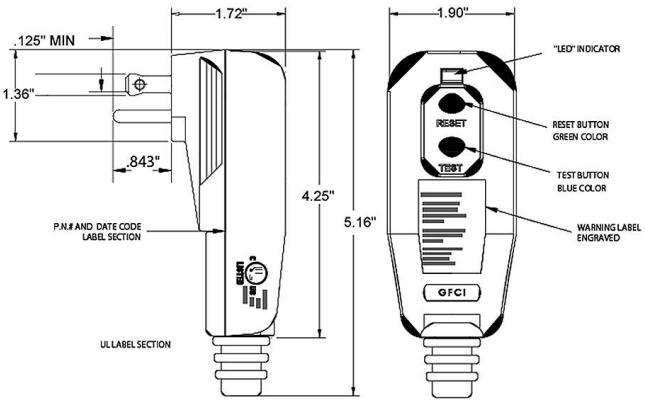
**GFP515A**

## Product Dimensions

**GFPST5266C Series**




**GFP515 Series**




*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

*Dimensions in Inches (mm)*

## Features and Benefits

### Circuit Guard® Portable GFCI Line Cords

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6 milliamperes. Available in lengths of 18" (45.7 cm), 6' (182.9 cm), and 25' (762 cm). A 15' (457.2 cm) OEM version with stripped leads is also available. They are offered with an Automatic Set or Manual Set feature to meet your application.





**Housing Design**

- High impact UV stabilized housing resists dust, sunlight and chemicals for long life
- Watertight GFCI housing for use in harsh environments
- Available in Automatic Set with yellow base or Manual Set with black base



**Molded Strain Relief**

- Heavy-duty molded strain relief prevents conductor strain and resulting failure



**Safety**

- One-piece flush sealed keypads for greater reliability and resistance to damage due to impact
- Bright fault indicator light provides fault confirmation from a distance



**Plug and Connector**

- Heavy-duty molded plug and connector for reliable connection
- Solid (not formed) plug blades are crimped and soldered for a better connection and longer life

## Industrial Grade, Portable GFCI Line Cords

IP21
SUITABILITY



GFPST4C15A



GFPST25C15A



GFPST6C15M



GFPSTOEMM



GFPST3C20MTL

### Circuit Guard® Portable GFCI Line Cords, 15A 120V AC

| Description | Automatic Set | Manual Set |
|---|---|---|
| 18" (45.7 cm) GFCI line cord. | **GFPST4C15A** | **GFPST4C15M** |
| 6' (182.9 cm) GFCI line cord. | **GFPST6C15A** | **GFPST6C15M** |
| 25' (762.0 cm) GFCI line cord. | **GFPST25C15A** | **GFPST25C15M** |
| 15' (457.2 cm) GFCI power supply cord with stripped leads. | **GFPSTOEMA*** | **GFPSTOEMM*** |
| 50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade. | **–** | **GFPST50C15WM** |
| 100' (3048.0 cm) GFCI power supply with Elastogrip® watertight straight blade. | **–** | **GFPST100C15WM** |

*Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).*

### Circuit Guard® Portable GFCI Line Cords, 20A 120V AC

| Description | Automatic Set | Manual Set |
|---|---|---|
| 3' (91.4 cm) GFCI line cord. | **–** | **GFPST3C20M** |

### Circuit Guard® Manual Set Twist-Lock Portable GFCI Line Cords

| | 15A 120V AC | 20A 120V AC |
|---|---|---|
| Description | Catalog Number | |
| 3' (91.4 cm) GFCI line cord. | **GFPST3C15MTL** | **GFPST3C20MTL** |

**Automatic Set GFCI**
Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

**Manual Set GFCI**
Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.

| | Straight Blade | Twist-Lock® |
|---|---|---|
| Input | 15A NEMA 5-15P,<br>20A NEMA 5-20P. | 15A NEMA L5-15P HBL47CM20C,<br>20A NEMA L5-20P HBL23CM11. |
| Output | 15A NEMA 5-15R (except GFPOEMM),<br>20A NEMA 5-20R. | 15A NEMA L5-15R HBL47CM29C,<br>20A NEMA L5-20R HBL23CM13. |

### Specifications

**Portable GFCI Line Cords**

| | |
|---|---|
| Trip Level | 4 to 6 mA. |
| Trip Time | .025 sec. nominal. |
| Frequency | 60 Hz. |
| Voltage | 120V AC +10% – 15%. Incorporates no voltage release feature. |
| Amperage | 15A/20A. |
| Maximum Interrupting Capacity | 2000A. |
| Operating Temperature | -35°C to 66°C or -30°F to 150°F. |
| Maximum Humidity | 95%. |
| Housing | High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded. |
| Cord Type | 14/3 SJTW-A (UL), SJTW (CSA). Except GFP3C20M, GFP3C15MTL and GFP3C20MTL are 12/3 SJTW. |
| Visual Fault Indication Light On | Indicates fault. |
| Listing and Standards | Meets UL943 Class A, UL File E41978, CSA Certified. |
| Codes | Meets all NEC® and CEC requirements. |

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Commercial Grade, Portable GFCI Line Cords

### Circuit Guard® Portable GFCI Single Outlet, 15A 120V AC - 12/3 SJEOW

| Description | Automatic Set | Manual Set |
|---|---|---|
| 2' (60.9 cm) GFCI line cord. | **GFP2CA** | **GFP2CM** |
| 25' (762.0 cm) GFCI line cord. | **GFP25CA** | **GFP25CM** |



**GFP2CA**

### Circuit Guard® Portable GFCI Triple Tap Outlet, 15A 120V AC - 12/3 SJEOW

| Description | Automatic Set | Manual Set |
|---|---|---|
| 2' (60.9 cm) GFCI line cord. | **GFP2TTA** | **GFP2TTM** |
| 25' (762.0 cm) GFCI line cord. | **GFP25TTA** | **GFP25TTM** |



**GFP2TTA**

### Circuit Guard® OEM Equipment Integrated Cord Sets, 15A 120V AC - 14/3 SJEOW

| Description | Automatic Set | Manual Set |
|---|---|---|
| 15' (457.2 cm) GFCI with flying leads. | **GFP15LA** | **GFP15LM** |
| 35' (1066.8 cm) GFCI with flying leads. | **GFP35LA** | **GFP35LM** |



**GFP15LA**

### 15A GFCI In Line GFCI, Single and Triple Tap, 15A 120V AC - 12/3 SJTW

| Description | Automatic Set | Manual Set |
|---|---|---|
| 2' (60.9 cm), 5-15 single tap. | **GFPIL15125A** | **GFPIL15125M** |
| 2' (60.9 cm), 5-15 triple tap. | **GFPIL15125TRIA** | **GFPIL15125TRIM** |



**GFPILST15125TRIM**

### 20A GFCI In Line GFCI, Locking, 20A 120V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

| Description | Automatic Set | Manual Set |
|---|---|---|
| 2' (60.9 cm), L5-20 locking. | **GFPILST20125LKA** | **GFPILST20125LKM** |

### 20A GFCI In Line GFCI, Locking, 20A 250V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

| Description | Automatic Set | Manual Set |
|---|---|---|
| 2' (60.9 cm), L6-20 locking. | **GFPILST20250LKA** | **GFPILST20250LKM** |

### 20A GFCI Field-Wired In Line 120V AC

| Description | Automatic Set | Manual Set |
|---|---|---|
| 20A Field Wired In Line | **–** | **GFP20FWM** |



**GFPILST20125LKA**



**GFP20FWM**

### Specifications

**Portable GFCI Line Cords**

| | |
|---|---|
| Trip Level | 4 to 6 mA. |
| Trip Time | .025 sec. nominal. |
| Frequency | 60 Hz. |
| Voltage | 120/250V AC +10% - 15%. Incorporates no voltage release feature. |
| Amperage | 15A/20A. |
| Maximum Interrupting Capacity | 2000A. |
| Operating Temperature | -35°C to 66°C or -30°F to 150°F. |
| Maximum Humidity | 95%. |
| Housing | High-impact, UV stabilized PVC. UL 94V-0 flammability classification. Meets UL and CSA watertight requirements. Adhesive bonded. |
| Visual Fault Indication Light On | Indicates fault. |
| Listing and Standards | Meets UL943 Class A, UL File E41978, CSA Certified. |
| Codes | Meets all NEC® and CEC requirements. |

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IP21
SUITABILITY



GFP15M

## Multiple Outlet Portable GFCI

| Description | Rating | Receptacles | Plug | Catalog Number |
|---|---|---|---|---|
| 4 outlet, manual set, yellow. | 15A, 120V AC | (2) Duplex 5-15R | NEMA 5-15P | **GFP15M** |
| 4 outlet, manual set, yellow. | 20A, 120V AC | (2) Duplex 5-20R | NEMA 5-20P | **GFP20M** |



GFMST20

## GFCI Module - UL Type 3R Rated

| Description | Rating | Catalog Number |
|---|---|---|
| GFCI module, manual set, yellow. | 20A, 120V AC, 60 Hz | **GFMST20** |
| GFCI module, auto set, yellow. | 20A, 120V AC, 60 Hz | **GFMST20A** |



GFT2G

## GFCI Tester

| Description | Rating | Catalog Number |
|---|---|---|
| Ground fault tester. | 120V AC | **GFT2G** |

- Designed to measure the trip level of portable or “wired-in” GFCI’s in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

## Specifications

| | GFP15M / GFP20M | GFMST20 / GFMST20A |
|---|---|---|
| Trip Level | 4 to 6 mA. | 4 to 6 mA. |
| Trip Time | .025 sec. nominal. | .025 sec. nominal. |
| Frequency | 60 Hz. | 60 Hz. |
| Voltage | 120V AC +10% - 15%.<br>No voltage release feature. | 120V AC +10% - 15%.<br>No voltage release feature. |
| Maximum Interrupting Capacity | 5000A. | 5000A. |
| Current | 15A / 20A. | 20A / 20A Feed-through. |
| Operating Temperature | -35°C to 66°C or -30°F to 150°F. | -35°C to 66°C or -30°F to 150°F. |
| Housing Rating | High-impact, yellow Valox®<br>with protective lift covers. | High-impact, UV stabilized, rigid PVC.<br>UL 94V-0 flammability classification.<br>UL Type 3R Rated. |
| Input | 5-15P, 15A / 5-20P, 20A. IP21 Suitability. | #12 AWG stranded conductors (black/white/green). |
| Output | 5-15R(4), 15A / 5-20R(4), 20A. | #12 AWG stranded conductors (red/gray). |
| Power Supply Cord | 6' (182.9 cm) STOW-A (STW FT2 CSA). | N/A. |
| Mounting Screws | N/A. | Self-tapping, combination, #6-32. |
| Power “ON” Indication | LED indicator light. | LED indicator light. |
| Agency Approvals | UL Listed, UL498 for receptacles.<br>Meets UL943 Class A for GFCI’s. | UL Listed, CSA Certified.<br>Meets UL943 Class A for GFCI’s. |
| Codes | Meets all NEC® and CEC requirements. | Meets all NEC® and CEC requirements. |

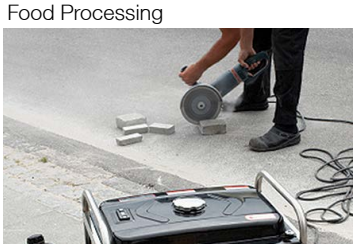
*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Applications

Power Generators
Submersible Pumps
Textile



Agricultural Equipment
Cement Cutting Equipment
Food Processing



Production Assembly Equipment
Spa and Hot Tubs
Vending Equipment



## Extra Heavy Duty Industrial Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

| Description | Voltage | Alarm | Automatic Set | Manual Set |
|---|---|---|---|---|
| Hard wired, manual set and automatic set GFCIs. | 120V AC | None | **GFHW13105** | **GFHW13005** |
| | 120V AC | Audible | **GFHW13115** | **GFHW13015** |
| | 240V AC | None | **GFHW23105** | **GFHW23005** |
| | 240V AC | Audible | **GFHW23115** | **GFHW23015** |
| | 120/240V AC | Audible | **GFHW33115** | **GFHW33015** |
| | 3Ø 250V AC | None | **GFHW531** | **GFHW530** |
| | 3Ø 120/208V AC | None | **GFHW431** | **GFHW430** |
| | 3Ø 208V AC | None | **GFHW83105** | - |



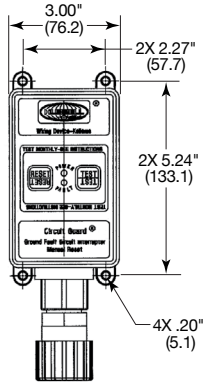
**Automatic Reset GFCI**



**Manual Reset GFCI**

## Specifications

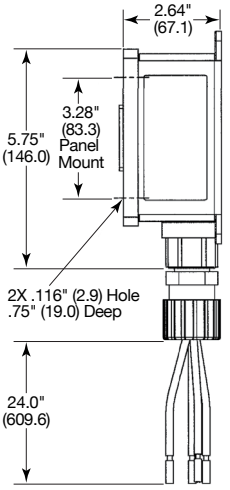
| | |
|---|---|
| **Electrical Ratings** | |
| Rated Voltage | 120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC. |
| Operating Voltage Range | 85% to 110%. |
| Current | Up to 30A or device rating. |
| Frequency | 60 Hz. |
| Trip Level | 4-6 mA. |
| Phase | Single. |
| Response Time | .025 sec. Max. |
| Dielectric Withstand | 1500 VRMS across contact, 4000 VRMS between conductors and enclosure. |
| Surge Withstand | 6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle. |
| Let Go Line Voltage | 60% of rated. |
| Grounded Neutral Detection | 6 Ohms or less. |
| Power Up | Manual or automatic reset. |
| **Environmental Ratings** | |
| Housing Rating | UL Type 4X. |
| Construction | Industrial grade design. |
| Type | Class A GFCI. |
| Operating Temperature | -35°C to 66°C, -30°F to 150°F. |
| Leakage Current @ 93% Humidity | Zero. |
| **Features** | |
| Life (Endurance) | 10,000 cycles (6000 with load and 4000 without load). Open neutral protection Trips upon loss of neutral. |
| Grounded Neutral Protection | Trips if ground and neutral touch at load side. |
| Power On Indicator | Green light on. |
| Power Off Indicator | Red blinking light plus optional audible alarm. |
| Wiring Application | 3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1,Line 2, Neutral and Ground). |
| Switch Interface | Double Insulated. |
| Latching Mechanism | Electromagnetic. |
| **Physical Specifications** | |
| Wire Leads | #10 AWG, 24" long. |
| Unit Color | Gray with black cover. |
| Label Color on Portable and Hard Wired Units | Automatic reset: yellow background with black lettering. Manual reset: black background with yellow lettering. |
| Weight | 1.40 lbs. |




**Product Dimensions**

## Related Code

| | |
|---|---|
| Confined Space | OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G) |
| Construction Sites | NEC 590.6 |
| Commercial Garages | NEC 511.12 |
| Fountains | NEC 680.5B |
| Spas and Hot Tubs | NEC 680.40 |
| Marinas | NEC 555.3 |




**Side View**

*Dimensions in Inches (mm)*

## Applications

Pressure Washers
De-icing Equipment
Pipeline Heaters



Portable Electric Heaters
Material Dryers
Automotive Garages



Portable Power Tools
Submersible Pumps
Outdoor Signage





**GFPST1311**

## Extra Heavy Duty Industrial Circuit Guard® Portable 30A GFCI - UL Type 4X Rated

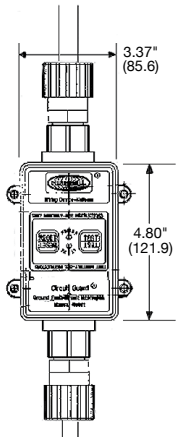
| Description | Cord Length | Voltage | Manual Set | Automatic Set |
|---|---|---|---|---|
| Portable, manual set and automatic set GFCIs. | 2' (60.9 cm) | 120V AC | **GFPST1301** | **GFPST1311** |
| | 6' (182.9 cm) | 120V AC | **GFPST1305** | **GFPST1315** |
| | 25' (762.0 cm) | 120V AC | **GFPST1302** | **GFPST1312** |
| | 50' (1524.0 cm) | 120V AC | **GFPST1303** | **GFPST1313** |
| | 2' (60.9 cm) | 240V AC | **GFPST2301** | **GFPST2311** |
| | 25' (762.0 cm) | 240V AC | **GFPST2302** | **GFPST2312** |
| | 6' (182.9 cm) | 120/240V AC | **GFP3305** | **GFP3315** |
| | 6' (182.9 cm) | 3Ø 250V AC | **GFP5305** | **GFP5315** |
| | 6' (182.9 cm) | 3Ø 120/208V AC | **GFPST4305** | **GFPST4315** |
| | 6' (182.9 cm) | 3Ø 208V AC | **GFP8305** | **GFP8315** |



**GFPILST30250LKM**

## Extra Heavy Duty Industrial Circuit Guard® 30A GFCI In Line GFCI – Locking

| Description | Cord Length | Voltage | Manual Set | Automatic Set |
|---|---|---|---|---|
| L5-30 locking. | 2' (60.9 cm) | 120V AC | **GFPILST30125LKM** | **GFPILST30125LKA** |
| L6-30 locking. | 2' (60.9 cm) | 250V AC | **GFPILST30250LKM** | **GFPILST30250LKA** |




**Product Dimensions**

## Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

| Family | Style | Amps | Voltage | Hubbell Catalog Number |
|---|---|---|---|---|
| Insulgrip® | Straight Blade | 15 | 120V AC | **HBL5266C & HBL5269C** |
| Insulgrip® | Twist-Lock® | 30 | 240V AC | **HBL2621 & HBL2623** |
| Watertight Safety-Shroud® | Twist-Lock® | 30 | 240V AC | **HBL2621SW & HBL2623SW** |
| IEC Pin & Sleeve | Watertight Pin & Sleeve | 30 | 240V AC | **HBL330P6W & HBL330C6W** |
| Insulgrip® Pin & Sleeve | Insulgrip® Pin & Sleeve | 30 | 240V AC | **HBL330PS2W & HBL330CS2W** |
| Hubbellock® | Hubbellock® | 20 | 120V AC | **HBL23035B & HBL23032B** |

## Specifications

### Electrical Ratings

| | |
|---|---|
| Rated Voltage | 120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC. |
| Operating Voltage Range | 85% to 110%. |
| Current | Up to 30A or device rating. |
| Frequency | 60 Hz. |
| Trip Level | 4-6 mA. |
| Response Time | 25 mS Max. |
| Dielectric Withstand | 1500 VRMS across contact, 4000 VRMS between conductors and enclosure. |
| Surge Withstand | 6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle. |
| Let Go Line Voltage | 60% of rated. |
| Power Up | Manual or Automatic reset. |

### Environmental Ratings

| | |
|---|---|
| Housing Rating | UL Type 4X. |
| Construction | Industrial grade design. |
| Type | Meets UL943 Class A GFCI. |
| Operating Temperature | -35°C to 66°C, -30°F to 150°F. |
| Leakage Current @ 93% Humidity | Zero. |

### Features

| | |
|---|---|
| Life (Endurance) | 10,000 cycles (6000 with load and 4000 without load). |
| Open Neutral Protection | Trips upon loss of neutral. |
| Grounded Neutral Protection | Trips if ground and neutral touch at load side. |
| Power On Indicator | Green light on. |
| Power Off Indicator | Red blinking light plus optional audible alarm. |
| Wiring Application | 3 Wire Single Phase (Hot, Neutral and Ground). 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground). |
| Switch interface | Double Insulated. |
| Latching Mechanism | Electromagnetic. |

### Physical Specifications

| | |
|---|---|
| Cord Type | 2-50', 10/3 SJGOOW. 100', 8/3 SEOW. |
| Unit Color | Gray with black cover. |
| Label Color on Portable and Hard Wired Units | Automatic reset: Yellow background with black lettering. Manual reset: Black background with yellow lettering. |
| Weight | 2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs. |

## Related Code

| | |
|---|---|
| Confined Space | OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G) |
| Construction Sites | NEC 590.6 |
| Commercial Garages | NEC 511.12 |
| Outdoor Signs | NEC 600.10 |
| Spas and Hot Tubs | NEC 680.40 |
| Boat Yards | NEC 555.3 |

*Dimensions in Inches (mm)*

## Features and Benefits

UL Type 4X



### GFCI Protected FD Box

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.



### GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



### FD Box

- Utilizes PolyTuff® liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations. Components are UL and CSA listed
- For use with single and duplex watertight receptacles (single phase only)

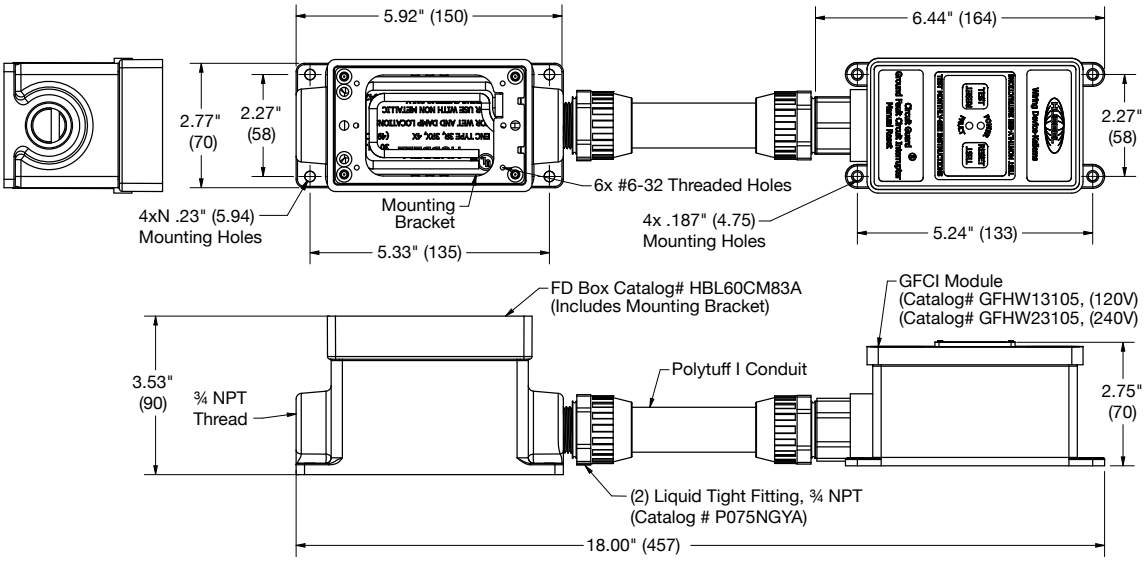
*Note: Watertight receptacles purchased separately.*



**HBLWTGF120**
**HBLWTGF240**

### GFCI Protected FD Box

| | Description | Catalog Number |
|---|---|---|
| FD Box | Watertight FD Box, GFCI Module, 30A 120V, Yellow | **HBLWTGF120** |
| | Watertight FD Box, GFCI Module, 30A 240V, Yellow | **HBLWTGF240** |




*Dimensions in Inches (mm)*

## Portable GFCI Cord Drops



GFP201251P

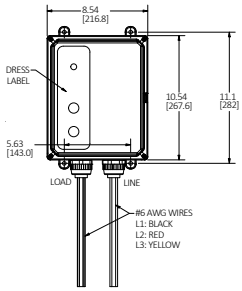


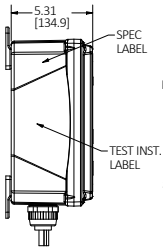
### Extra Heavy Duty Industrial Circuit Guard® Portable GFCI - Type 4X

| Description | Cord length | Amperage | Voltage | Catalog Number |
|---|---|---|---|---|
| Portabe GFCI Cord Drop with Black SEOOW Cable and Kellems Mesh Strain Relief. Automatic Set<br><br>See Page K-19 for product specifications and dimensions | 10' (304.8 cm) | 20A | 125V AC | **GFP201251P** |
| | 10' (304.8 cm) | 20A | 250V AC | **GFP202501P** |
| | 10' (304.8 cm) | 20A | 208V AC | **GFP202081P** |
| | 10' (304.8 cm) | 30A | 125V AC | **GFP301251P** |
| | 10' (304.8 cm) | 30A | 250V AC | **GFP302501P** |
| | 10' (304.8 cm) | 30A | 208V AC | **GFP302081P** |
| | 10' (304.8 cm) | 30A | 3Ø 208V AC | **GFP302083P** |
| | 10' (304.8 cm) | 30A | 3Ø 240V AC | **GFP302403P** |
| | 25' (762.0 cm) | 20A | 125V AC | **GFP201251P25** |
| | 25' (762.0 cm) | 20A | 250V AC | **GFP202501P25** |
| | 25' (762.0 cm) | 20A | 208V AC | **GFP202081P25** |
| | 25' (762.0 cm) | 30A | 125V AC | **GFP301251P25** |
| | 25' (762.0 cm) | 30A | 250V AC | **GFP302501P25** |
| | 25' (762.0 cm) | 30A | 208V AC | **GFP302081P25** |
| | 25' (762.0 cm) | 30A | 3Ø 208V AC | **GFP302083P25** |
| | 25' (762.0 cm) | 30A | 3Ø 240V AC | **GFP302403P25** |



GFHW86108




### Extra Heavy Duty Industrial Circuit Guard® Hard Wired 60A GFCI - Type 4X

| Description | Amperage | Voltage | Catalog Number |
|---|---|---|---|
| 60 Amp Single or 3 -Phase GFCI Class A Automatic Set | 60A | 1Ø or 3Ø 208V AC | **GFHW86108** |

### Specifications

| | |
|---|---|
| Rated Voltage: | 208VAC (150V to ground max) "Class-A" |
| Operating Voltage Range: | 85% to 110% of rated |
| Current: | Up to 60 Amps or Device Rating |
| Horsepower: | Up to 20 HP 3Ø/ 7.5HP 1Ø |
| Frequency: | 60 Hz. |
| Trip Level: | 5mA +/- 1mA |
| Response Time | 25ms max at 500Ω fault |
| Power up: | Auto: Output is on immediately upon power up |
| Display: | Illuminated TEST/RESET pushbutton, triple indication of Protecting & Power-out versus Fault |
| Enclosure: | High impact polycarbonate 8x10x4 inch, NEMA 4X |
| Operational Temperature: | -35" C to 50" C (-31" F to 122" F) |
| Connections: | 60" splicing lead wires and 1" NPT conduit fittings for integration to flexible, EMT, PVC, or burial conduit |
| Short Circuit: | 10KA (panel tested), higher with appropriate fusing |
| Dielectric With stand: | 1500 VRMS across contact, 4000V to enclosure |
| Voltage Surge With stand: | 4000V/2000A 20-times per ICE 6100D-4-5 |
| Agency: | Listed to UL943 |

# SECTION L

## Table of Contents



**HBL® Extra Heavy Duty Max Hospital Grade Devices**



**Industrial and Commercial Series GFCIs**



**Surge Protection Devices**




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## Products at a Glance



### HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



### SpikeShield® Surge Suppression Plug Strips

- UL2930 HCOA's
- UL1449 SPD's available
- 15A and 20A versions
- 6 foot or 15 foot cords available
- USB versions in several models



### Extra Heavy Duty SNAP*Connect*®

- Hospital and Specification Grade
- SNAPConnect® modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space



### Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant, NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding
- Assembled in USA



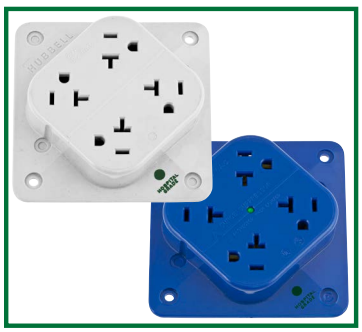
### Hubbellock® Devices

- Mobile X-Ray devices
- Nylon cover, thermoset interior
- Armored, epoxy filled, rubber cord grip



### USB Charger Receptacles

- Two Type-C, Type A&C and Type A port configurations, high power 5 Amp, 5 Volt DC USB output
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- SNAP*Connect*® devices, reduce labor costs and installation time



### 4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts

## Features and Benefits

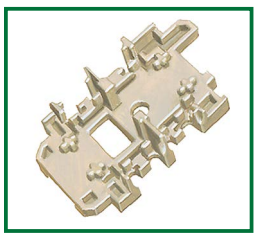


### HBL® Extra Heavy Duty Max Hospital Grade Devices

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.



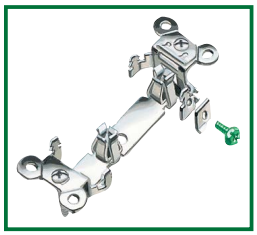
### Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



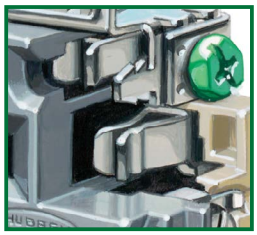
### Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal “bundles” the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



### One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



### Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



### Identification

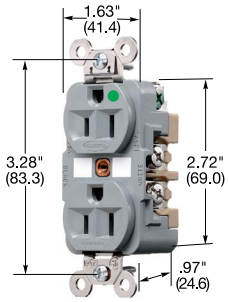
- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



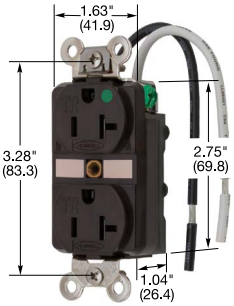

### Center Rivet

- Square head, 10-thread bronze center rivet won’t rotate, reduces stripping and resists corrosion

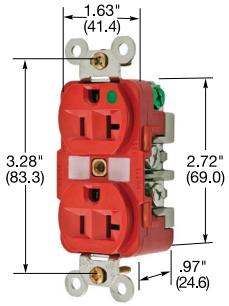
## 15 and 20 Ampere, 125 Volts



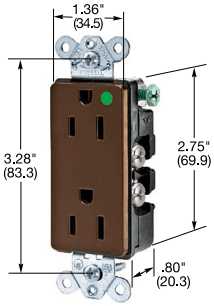
HBL8200GY



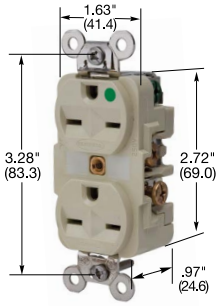
HBL8300SGA



HBL8300RMRI



HBL2172



HBL8600I

*Dimensions in Inches (mm)*

**IP20** SUITABILITY

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

### HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Flush, thermoplastic polyester face, back and side wired. | Black | HBL8200BK | – |
| | Blue | – | HBL8300BL |
| | Brown | HBL8200 | HBL8300 |
| | Gray | HBL8200GY | HBL8300GY |
| | Ivory | HBL8200I | HBL8300I |
| | Light Almond | HBL8200LA | HBL8300LA |
| | Red | HBL8200RED | HBL8300RED |
| | White | HBL8200W | HBL8300W |
| Flush, LED illuminated face, back and side wired. | Gray | HBL8200ILGY | HBL8300ILGY |
| | Ivory | HBL8200ILI | HBL8300ILI |
| | Red | HBL8200ILR | HBL8300ILR |
| | White | HBL8200ILW | HBL8300ILW |
| Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c). | Brown | HBL8200SGA | HBL8300SGA |
| | Gray | HBL8200SGGYA | HBL8300SGGYA |
| | Ivory | HBL8200SGIA | HBL8300SGIA |
| | Light Almond | – | HBL8300SGLA |
| | Red | HBL8200SGRA | HBL8300SGRA |
| | White | HBL8200SGWA | HBL8300SGWA |
| Isolated ground[Δ] | Orange | IG8200 | IG8300 |
| | Red | IG8200R | IG8300R |
| **MRI Receptacle, Duplex** | | | |
| MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous. | Ivory | HBL8200IMRI | HBL8300IMRI |
| | Light Almond | HBL8200LAMRI | HBL8300LAMRI |
| | Red | HBL8200RMRI | HBL8300RMRI |
| | White | HBL8200WMRI | HBL8300WMRI |
| **Slender/Compact, Duplex** | | | |
| Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified. | Brown | HBL8200H | HBL8300H |
| | Gray | HBL8200HG | HBL8300HG |
| | Green | – | HBL8300HGN |
| | Ivory | HBL8200HI | HBL8300HI |
| | Light Almond | HBL8200HLA | HBL8300HLA |
| | Red | HBL8200HRED | HBL8300HRED |
| | White | HBL8200HW | HBL8300HW |
| **Style Line® Decorator*** | | | |
| Flush, nylon face, back and side wired. | Brown | HBL2172 | HBL2182 |
| | Gray | HBL2172GY | HBL2182GY |
| | Ivory | HBL2172I | HBL2182I |
| | Red | HBL2172R | HBL2182R |
| | White | HBL2172WA | HBL2182WA |
| Isolated ground[Δ] | Ivory | – | IG2182I |
| | Orange | – | IG2182 |
| | White | – | IG2182WA |
| **Single** | | | |
| Flush, nylon face, back and side wired, Fed. Spec. verified. | Brown | HBL8210 | HBL8310 |
| | Gray | HBL8210GY | HBL8310GY |
| | Ivory | HBL8210I | HBL8310I |
| | Red | HBL8210R | HBL8310R |
| | White | HBL8210W | HBL8310W |
| Panel mount on 1.94 in. (49.2) centers. | Brown | HBL8284 | – |
| | Ivory | HBL8284I | HBL8384I |
| Isolated ground[Δ] | Orange | IG8210 | IG8310 |

### HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

| 250 Volts Duplex | Color | Catalog Number | |
|---|---|---|---|
| Flush, thermoplastic polyester face, back and side wired. | Brown | HBL8600 | HBL8400 |
| | Ivory | HBL8600I | HBL8400I |

*Note: [Δ]See section N for additional information on isolated ground devices.*
**Not Fed. Spec. Listed.*
*See pages A-47 and A-48 for accessories. See section O for wallplates.*
*See page Tech-10 for Tamper-Resistant description.*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## 15 and 20 Ampere, 125 Volts

### SNAP*Connect*® GFCI LED Hospital Grade ● Receptacles




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

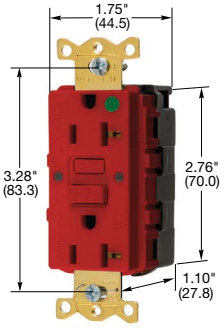



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

Meets UL Standard 943 Class A GFCI

Fed.Spec.

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA. | Black | **GFRST82SNAPBK** | **GFRST83SNAPBK** |
| | Brown | **GFRST82SNAP** | **GFRST83SNAP** |
| | Gray | **GFRST82SNAPGY** | **GFRST83SNAPGY** |
| | Ivory | **GFRST82SNAPI** | **GFRST83SNAPI** |
| | Light Almond | **GFRST82SNAPLA** | **GFRST83SNAPLA** |
| | Red | **GFRST82SNAPR** | **GFRST83SNAPR** |
| | White | **GFRST82SNAPW** | **GFRST83SNAPW** |

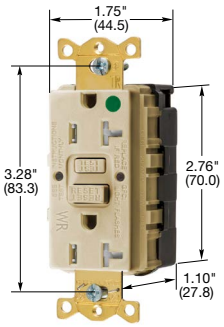



**GFRST83SNAPR**

### SNAP*Connect*® GFCI LED Hospital Grade ● Tamper and Weather Resistant

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately. Add "NA" suffix for devices Assembled in USA. | Black | **GFTWRST82SNAPBK** | **GFTWRST83SNAPBK** |
| | Brown | **GFTWRST82SNAP** | **GFTWRST83SNAP** |
| | Gray | **GFTWRST82SNAPGY** | **GFTWRST83SNAPGY** |
| | Ivory | **GFTWRST82SNAPI** | **GFTWRST83SNAPI** |
| | Light Almond | **GFTWRST82SNAPLA** | **GFTWRST83SNAPLA** |
| | Red | **GFTWRST82SNAPR** | **GFTWRST83SNAPR** |
| | White | **GFTWRST82SNAPW** | **GFTWRST83SNAPW** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*
*See page Tech-10 for Tamper-Resistant description.*




**GFTWRST83SNAPI**

### SNAP*Connect*® USB Charger Hospital Grade ● TR Receptacles

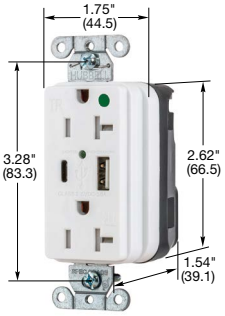



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output. | Black | **SNAP8200UACBK** | **SNAP8300UACBK** |
| | Brown | **SNAP8200UAC** | **SNAP8300UAC** |
| | Gray | **SNAP8200UACGY** | **SNAP8300UACGY** |
| | Ivory | **SNAP8200UACI** | **SNAP8300UACI** |
| | Light Almond | **SNAP8200UACLA** | **SNAP8300UACLA** |
| | Red | **SNAP8200UACR** | **SNAP8300UACR** |
| | White | **SNAP8200UACW** | **SNAP8300UACW** |




**SNAP8300UACW**

### SNAP*Connect*® Surge Protection Hospital Grade ● Tamper-Resistant Receptacle with Power Indicating LED

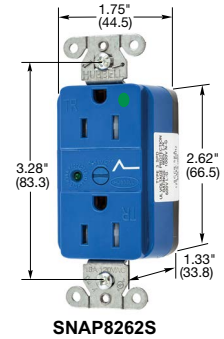



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade SNAP*Connect* Surge supression, Tamper-Resistant, smooth face, duplex receptacle. | Blue | **SNAP8262S** | **SNAP8362S** |
| | Gray | **SNAP8262GYS** | **SNAP8362GYS** |
| | Ivory | **SNAP8262IS** | **SNAP8362IS** |
| | Light Almond | **SNAP8262LAS** | **SNAP8362LAS** |
| | Red | **SNAP8262RS** | **SNAP8362RS** |
| | White | **SNAP8262WS** | **SNAP8362WS** |

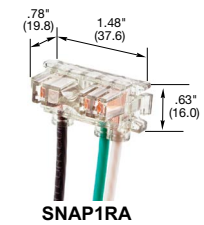



**SNAP8262S**

### SNAP*Connect*® Right Angle Pigtailed Connector

| Description | Wire Type | General Use | Assembled in USA |
|---|---|---|---|
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material. | Solid | **SNAP1RA** | **SNAP1RNA** |
| | Stranded | **SNAP2RA** | **SNAP2RNA** |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals. | Solid | **SNAP1RAM2** | **SNAP1RNAM2** |
| | Stranded | **SNAP2RAM2** | **SNAP2RNAM2** |

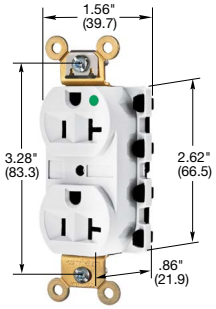
*Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.*



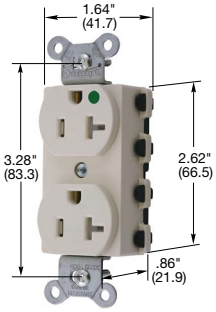

**SNAP1RA**

*Dimensions in Inches (mm)*

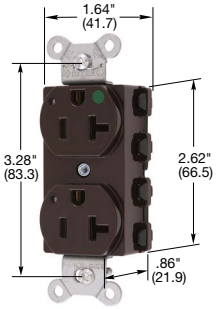
## 15 and 20 Ampere, 125 Volts



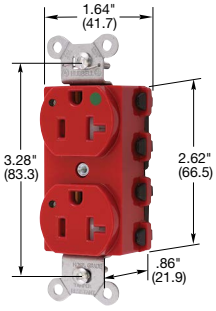
SNAP8300WA



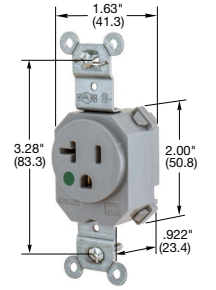
SNAP8300LATR



SNAP8300L



SNAP8300RLTR



SNAP8310GY

*Dimensions in Inches (mm)*

**IP20** SUITABILITY



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

## SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page L-5. | Black | **SNAP8200BKA** | **SNAP8300BKA** |
| | Brown | **SNAP8200A** | **SNAP8300A** |
| | Gray | **SNAP8200GYA** | **SNAP8300GYA** |
| | Ivory | **SNAP8200IA** | **SNAP8300IA** |
| | Light Almond | **SNAP8200LAA** | **SNAP8300LAA** |
| | Red | **SNAP8200RA** | **SNAP8300RA** |
| | White | **SNAP8200WA** | **SNAP8300WA** |
| Hospital grade, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP8200BKNA** | **SNAP8300BKNA** |
| | Brown | **SNAP8200NA** | **SNAP8300NA** |
| | Gray | **SNAP8200GYNA** | **SNAP8300GYNA** |
| | Ivory | **SNAP8200INA** | **SNAP8300INA** |
| | Light Almond | **SNAP8200LANA** | **SNAP8300LANA** |
| | Red | **SNAP8200RNA** | **SNAP8300RNA** |
| | White | **SNAP8200WNA** | **SNAP8300WNA** |
| TR Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP8200BKTRA** | **SNAP8300BKTRA** |
| | Brown | **SNAP8200TRA** | **SNAP8300TRA** |
| | Gray | **SNAP8200GYTRA** | **SNAP8300GYTRA** |
| | Ivory | **SNAP8200ITRA** | **SNAP8300ITRA** |
| | Light Almond | **SNAP8200LATRA** | **SNAP8300LATRA** |
| | Red | **SNAP8200RTRA** | **SNAP8300RTRA** |
| | White | **SNAP8200WTRA** | **SNAP8300WTRA** |
| TR Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP8200BKSCTRA** | **SNAP8300BKSCTRA** |
| | Brown | **SNAP8200SCTRA** | **SNAP8300SCTRA** |
| | Gray | **SNAP8200GYSCTRA** | **SNAP8300GYSCTRA** |
| | Ivory | **SNAP8200ISCTRA** | **SNAP8300ISCTRA** |
| | Light Almond | **SNAP8200LASCTRA** | **SNAP8300LASCTRA** |
| | Red | **SNAP8200RSCTRA** | **SNAP8300RSCTRA** |
| | White | **SNAP8200WSCTRA** | **SNAP8300WSCTRA** |
| Isolated ground[Δ], Hospital grade, Tamper-Resistant. | Orange | **SNAP8200IGTRA** | **SNAP8300IGTRA** |
| | Red | **SNAP8200RIGTRA** | **SNAP8300RIGTRA** |
| PWR Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP8200BKL** | **SNAP8300BKL** |
| | Brown | **SNAP8200L** | **SNAP8300L** |
| | Gray | **SNAP8200GYL** | **SNAP8300GYL** |
| | Ivory | **SNAP8200IL** | **SNAP8300IL** |
| | Light Almond | **SNAP8200LAL** | **SNAP8300LAL** |
| | Red | **SNAP8200RL** | **SNAP8300RL** |
| | White | **SNAP8200WL** | **SNAP8300WL** |
| Isolated ground[Δ], Hospital grade, with Power Indicating LED. | Orange | **SNAP8200IGL** | **SNAP8300IGL** |
| | Red | **SNAP8200RIGL** | **SNAP8300RIGL** |
| PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP8200BKLTRA** | **SNAP8300BKLTRA** |
| | Brown | **SNAP8200LTRA** | **SNAP8300LTRA** |
| | Gray | **SNAP8200GYLTRA** | **SNAP8300GYLTRA** |
| | Ivory | **SNAP8200ILTRA** | **SNAP8300ILTRA** |
| | Light Almond | **SNAP8200LALTRA** | **SNAP8300LALTRA** |
| | Red | **SNAP8200RLTRA** | **SNAP8300RLTRA** |
| | White | **SNAP8200WLTRA** | **SNAP8300WLTRA** |
| Isolated ground[Δ], Hospital grade, TR with Power Indicating LED. | Orange | **SNAP8200IGLTRA** | **SNAP8300IGLTRA** |
| | Red | **SNAP8200RIGLTRA** | **SNAP8300RIGLTRA** |

## SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Single Receptacles

| | Hospital Grade ● | | Hospital Grade ● Tamper-Resistant TR | |
|---|---|---|---|---|
| Color | 15A 125V | 20A 125V | 15A 125V | 20A 125V |
| Black | **SNAP8210BK** | **SNAP8310BK** | **SNAP8210BKTR** | **SNAP8310BKTR** |
| Blue | **SNAP8210BL** | **SNAP8310BL** | **SNAP8210BLTR** | **SNAP8310BLTR** |
| Brown | **SNAP8210** | **SNAP8310** | **SNAP8210TR** | **SNAP8310TR** |
| Gray | **SNAP8210GY** | **SNAP8310GY** | **SNAP8210GYTR** | **SNAP8310GYTR** |
| Ivory | **SNAP8210I** | **SNAP8310I** | **SNAP8210ITR** | **SNAP8310ITR** |
| Light Almond | **SNAP8210LA** | **SNAP8310LA** | **SNAP8210LATR** | **SNAP8310LATR** |
| Red | **SNAP8210R** | **SNAP8310R** | **SNAP8210RTR** | **SNAP8310RTR** |
| White | **SNAP8210W** | **SNAP8310W** | **SNAP8210WTR** | **SNAP8310WTR** |

## 15 and 20 Ampere, 125 Volts

**IP20**
SUITABILITY




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

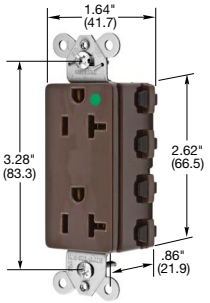



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

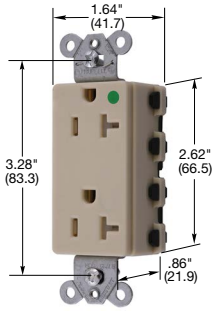
## SNAP*Connect*® Extra Heavy Duty Hospital Grade ● Receptacles

| Style Line® Decorator | Color | Catalog Number | |
|---|---|---|---|
| Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. | Black | **SNAP2172BKA** | **SNAP2182BKA** |
| | Brown | **SNAP2172A** | **SNAP2182A** |
| | Gray | **SNAP2172GYA** | **SNAP2182GYA** |
| | Ivory | **SNAP2172IA** | **SNAP2182IA** |
| | Light Almond | **SNAP2172LAA** | **SNAP2182LAA** |
| | Red | **SNAP2172RA** | **SNAP2182RA** |
| | White | **SNAP2172WA** | **SNAP2182WA** |
| Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP2172BKNA** | **SNAP2182BKNA** |
| | Brown | **SNAP2172NA** | **SNAP2182NA** |
| | Gray | **SNAP2172GYNA** | **SNAP2182GYNA** |
| | Ivory | **SNAP2172INA** | **SNAP2182INA** |
| | Light Almond | **SNAP2172LANA** | **SNAP2182LANA** |
| | Red | **SNAP2172RNA** | **SNAP2182RNA** |
| | White | **SNAP2172WNA** | **SNAP2182WNA** |
| Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP2172BKTRA** | **SNAP2182BKTRA** |
| | Brown | **SNAP2172TRA** | **SNAP2182TRA** |
| | Gray | **SNAP2172GYTRA** | **SNAP2182GYTRA** |
| | Ivory | **SNAP2172ITRA** | **SNAP2182ITRA** |
| | Light Almond | **SNAP2172LATRA** | **SNAP2182LATRA** |
| | Red | **SNAP2172RTRA** | **SNAP2182RTRA** |
| | White | **SNAP2172WTRA** | **SNAP2182WTRA** |
| Hospital grade, Tamper-Resistant, Split Circuit, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP2172BKSCTRA** | **SNAP2182BKSCTRA** |
| | Brown | **SNAP2172SCTRA** | **SNAP2182SCTRA** |
| | Gray | **SNAP2172GYSCTRA** | **SNAP2182GYSCTRA** |
| | Ivory | **SNAP2172ISCTRA** | **SNAP2182ISCTRA** |
| | Light Almond | **SNAP2172LASCTRA** | **SNAP2182LASCTRA** |
| | Red | **SNAP2172RSCTRA** | **SNAP2182RSCTRA** |
| | White | **SNAP2172WSCTRA** | **SNAP2182WSCTRA** |
| Isolated ground[Δ], Hospital grade, Tamper-Resistant. | Orange | **SNAP2172IGTRA** | **SNAP2182IGTRA** |
| | Red | **SNAP2172RIGTRA** | **SNAP2182RIGTRA** |
| Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP2172BKL** | **SNAP2182BKL** |
| | Brown | **SNAP2172L** | **SNAP2182L** |
| | Gray | **SNAP2172GYL** | **SNAP2182GYL** |
| | Ivory | **SNAP2172IL** | **SNAP2182IL** |
| | Light Almond | **SNAP2172LAL** | **SNAP2182LAL** |
| | Red | **SNAP2172RL** | **SNAP2182RL** |
| | White | **SNAP2172WL** | **SNAP2182WL** |
| Isolated ground[Δ], Hospital grade, with Power Indicating LED. | Orange | **SNAP2172IGL** | **SNAP2182IGL** |
| | Red | **SNAP2172RIGL** | **SNAP2182RIGL** |
| Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page L-5. Assembled in USA. | Black | **SNAP2172BKLTRA** | **SNAP2182BKLTRA** |
| | Brown | **SNAP2172LTRA** | **SNAP2182LTRA** |
| | Gray | **SNAP2172GYLTRA** | **SNAP2182GYLTRA** |
| | Ivory | **SNAP2172ILTRA** | **SNAP2182ILTRA** |
| | Light Almond | **SNAP2172LALTRA** | **SNAP2182LALTRA** |
| | Red | **SNAP2172RLTRA** | **SNAP2182RLTRA** |
| | White | **SNAP2172WLTRA** | **SNAP2182WLTRA** |
| Isolated ground[Δ], Hospital grade, TR with Power Indicating LED. | Orange | **SNAP2172IGLTRA** | **SNAP2182IGLTRA** |
| | Red | **SNAP2172RIGLTRA** | **SNAP2182RIGLTRA** |

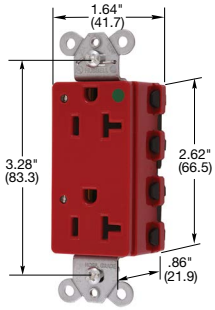
*Note: [Δ]See section N additional information on isolated ground devices and section O for wallplates.*
*See page A-5 for additional information on SNAPConnect features.*
*See Page L-5 for SNAPConnect pigtailed terminals.*
*See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.*
*See pages A-47 and A-48 for accessories.*



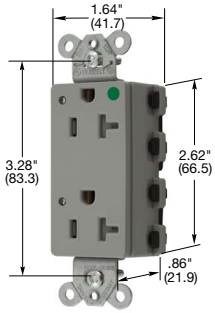

**SNAP2182A**




**SNAP2182ITR**



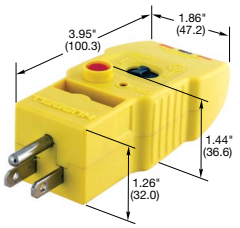

**SNAP2182RL**




**SNAP2182GYLTR**

## SNAP*Connect*® Tester

| Description | Catalog Number |
|---|---|
| Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles | **SNAPCTG** |




**SNAPCTG**

*Dimensions in Inches (mm)*

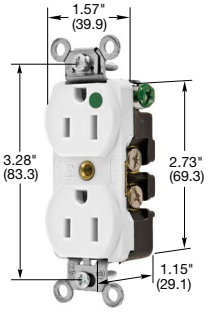
## Features and Benefits

### Hubbell-PRO Extra Heavy Duty Receptacles

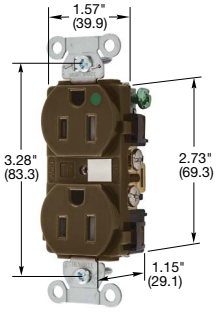
- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring



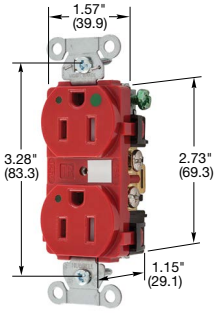
8200REDLTRA




8200WHI




8200TRA




8200REDLTRA

*Dimensions in Inches (mm)*

## Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Duplex | Color | Catalog Number | |
|---|---|---|---|
| Hospital grade, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BK** | **8300BK** |
| | Brown | **8200** | **8300** |
| | Gray | **8200GY** | **8300GY** |
| | Ivory | **8200IV** | **8300IV** |
| | Light Almond | **8200LA** | **8300LA** |
| | Red | **8200RED** | **8300RED** |
| | White | **8200WHI** | **8300WHI** |
| TR Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BKTRA** | **8300BKTRA** |
| | Brown | **8200TRA** | **8300TRA** |
| | Gray | **8200GYTRA** | **8300GYTRA** |
| | Ivory | **8200IVTRA** | **8300IVTRA** |
| | Light Almond | **8200LATRA** | **8300LATRA** |
| | Red | **8200REDTRA** | **8300REDTRA** |
| | White | **8200WTRA** | **8300WTRA** |
| PWR Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BKL** | **8300BKL** |
| | Brown | **8200L** | **8300L** |
| | Gray | **8200GYL** | **8300GYL** |
| | Ivory | **8200IVL** | **8300IVL** |
| | Light Almond | **8200LAL** | **8300LALM** |
| | Red | **8200REDL** | **8300REDL** |
| | White | **8200WL** | **8300WL** |
| PWR TR Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired. Assembled in USA. | Black | **8200BKLTRA** | **8300BKLTRA** |
| | Brown | **8200LTRA** | **8300LTRA** |
| | Gray | **8200GYLTRA** | **8300GYLTRA** |
| | Ivory | **8200IVLTRA** | **8300IVLTRA** |
| | Light Almond | **8200LALTRA** | **8300LALTRA** |
| | Red | **8200REDLTRA** | **8300REDLTRA** |
| | White | **8200WLTRA** | **8300WLTRA** |

*Note: See pages A-47 and A-48 for accessories.*
*See page Tech-10 for Tamper-Resistant and LED Power Indicators description.*
*See section O for wallplates.*

***The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.***

## Features and Benefits

### Hubbell-PRO Extra Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring



2182IVLTRA

### Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

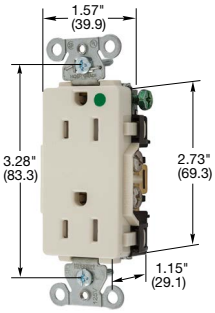



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

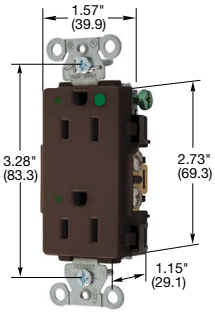



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

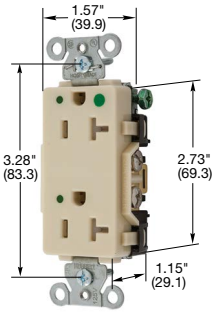
| Style Line® Decorator | Color | Catalog Number | |
|---|---|---|---|
| Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BK** | **2182BK** |
| | Brown | **2172** | **2182** |
| | Gray | **2172GY** | **2182GY** |
| | Ivory | **2172IV** | **2182IV** |
| | Light Almond | **2172LA** | **2182LA** |
| | Red | **2172RED** | **2182RED** |
| | White | **2172W** | **2182W** |
| Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BKTRA** | **2182BKTRA** |
| | Brown | **2172TRA** | **2182TRA** |
| | Gray | **2172GYTRA** | **2182GYTRA** |
| | Ivory | **2172IVTRA** | **2182IVTRA** |
| | Light Almond | **2172LATRA** | **2182LATRA** |
| | Red | **2172REDTRA** | **2182REDTRA** |
| | White | **2172WTRA** | **2182WTRA** |
| Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BKL** | **2182BKL** |
| | Brown | **2172L** | **2182L** |
| | Gray | **2172GYL** | **2182GYL** |
| | Ivory | **2172IVL** | **2182IVL** |
| | Light Almond | **2172LAL** | **2182LAL** |
| | Red | **2172REDL** | **2182REDL** |
| | White | **2172WL** | **2182WL** |
| Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA. | Black | **2172BKLTRA** | **2182BKLTRA** |
| | Brown | **2172LTRA** | **2182LTRA** |
| | Gray | **2172GYLTRA** | **2182GYLTRA** |
| | Ivory | **2172IVLTRA** | **2182IVLTRA** |
| | Light Almond | **2172LALTRA** | **2182LALTRA** |
| | Red | **2172REDLTRA** | **2182REDLTRA** |
| | White | **2172WLTRA** | **2182WLTRA** |




2172LATRA




2172L



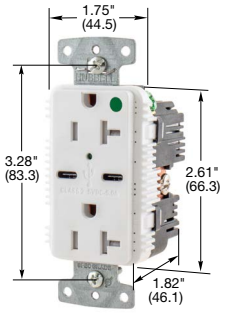

2182IVLTRA

*Note: See pages A-47 and A-48 for accessories.*
*See page Tech-10 for Tamper-Resistant and LED Power Indicators description.*
*See section O for wallplates.*

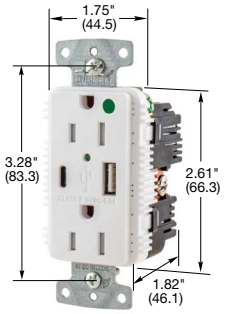
***The products listed on this page are Assembled in USA, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.***

*Dimensions in Inches (mm)*

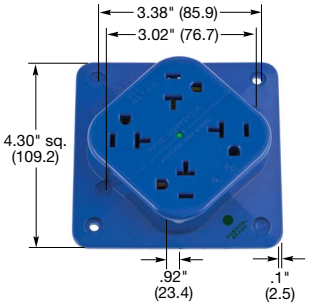
## 15 and 20 Ampere, 125 Volts



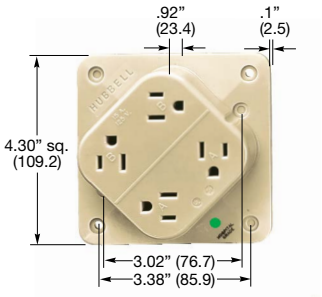

USB8300C5W



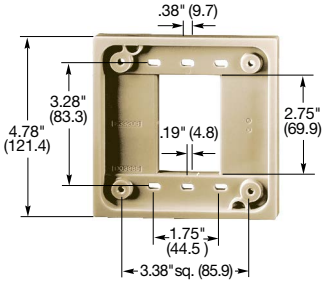

USB8200AC5W




HBL420HS




HBL415HI




HBL4API

*Dimensions in Inches (mm)*

## Hospital Grade ● USB Charger Type-C, Type A&C and Type A

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

c UL us

| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade USB Charger Outlet: two Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB8200C5BK** | **USB8300C5BK** |
| | Brown | **USB8200C5** | **USB8300C5** |
| | Gray | **USB8200C5GY** | **USB8300C5GY** |
| | Ivory | **USB8200C5I** | **USB8300C5I** |
| | Light Almond | **USB8200C5LA** | **USB8300C5LA** |
| | Red | **USB8200C5R** | **USB8300C5R** |
| | White | **USB8200C5W** | **USB8300C5W** |
| Hospital Grade USB Charger Outlet: one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB8200AC5BK** | **USB8300AC5BK** |
| | Brown | **USB8200AC5** | **USB8300AC5** |
| | Gray | **USB8200AC5GY** | **USB8300AC5GY** |
| | Ivory | **USB8200AC5I** | **USB8300AC5I** |
| | Light Almond | **USB8200AC5LA** | **USB8300AC5LA** |
| | Red | **USB8200AC5R** | **USB8300AC5R** |
| | White | **USB8200AC5W** | **USB8300AC5W** |
| Hospital Grade USB Charger Outlet: two Type A port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB8200A5BK** | **USB8300A5BK** |
| | Brown | **USB8200A5** | **USB8300A5** |
| | Gray | **USB8200A5GY** | **USB8300A5GY** |
| | Ivory | **USB8200A5I** | **USB8300A5I** |
| | Light Almond | **USB8200A5LA** | **USB8300A5LA** |
| | Red | **USB8200A5R** | **USB8300A5R** |
| | White | **USB8200A5W** | **USB8300A5W** |

*Note: See page A-7 for additional information on USB charger devices.*

## 4-PLEX® Hospital Grade ● Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| 4 outlet high impact resistant Polycarbonate construction. Mount to 4 in. square box. | Brown | **HBL415H** | **HBL420H** |
| | Gray | **–** | **HBL420HGY** |
| | Ivory | **HBL415HI** | **HBL420HI** |
| | Red | **HBL415HR** | **HBL420HR** |
| | White | **HBL415HW** | **HBL420HW** |
| 4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current. | Blue | **—** | **HBL420HS** |
| | Ivory | **—** | **HBL420HIS** |
| | Red | **—** | **HBL420HRS** |

## 4-PLEX® Accessories

| Description | Color | Catalog Number |
|---|---|---|
| 4-PLEX adapter plates for 1- and 2-gang, device boxes. | Blue | **HBL4APBL** |
| | Brown | **HBL4AP** |
| | Gray | **HBL4APGY** |
| | Ivory | **HBL4API** |
| | Orange | **HBL4APO** |
| | Red | **HBL4APR** |
| | White | **HBL4APW** |
| 4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord. | Black | **HBL4PBBK** |
| | Brown | **HBL4PB** |
| | Ivory | **HBL4PBI** |

*Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.*

## 15 and 20 Ampere, 125 Volts

**IP20** SUITABILITY




**15A 125V**
**NEMA 5-15P**
UL CSA




**20A 125V**
**NEMA 5-20P**
UL CSA

### Hospital Grade ● Plugs

#### Insulgrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .230"-.720" (5.8-18.3) | **HBL8215C** | **HBL8315C** |
| Transparent housing. | .230"-.720" (5.8-18.3) | **HBL8215CT** | **HBL8315CT** |
| 8 position angle plug, transparent housing. | .250"-.655" (6.4-16.6) | **HBL8215CAT*** | **HBL8315CAT*** |

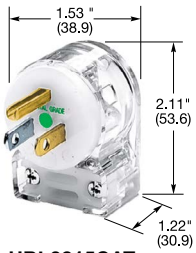
#### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| White nylon. | .300"-.660" (7.6-16.8) | **HBL8115V** | **HBL8364V** |
| Insulation displacement, white nylon. | .300"-.360" (7.6-9.1) | **HBL8013V*** | – |

*Note: *Not Fed. Spec. Listed.*
*See page A-48 for accessories*




**HBL8215C**




**HBL8215CAT**

**IP20** SUITABILITY




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### Hospital Grade ● Connector Bodies

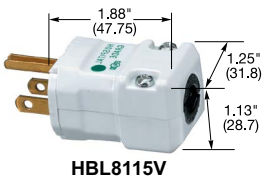
#### Insulgrip®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Black and white nylon. | .230"-.720" (5.8-18.3) | **HBL8219C** | **HBL8319C** |
| Transparent housing. | .230"-.720" (5.8-18.3) | **HBL8219CT** | **HBL8319CT** |

#### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| White nylon. | .300"-.660" (7.6-16.8) | **HBL8119V** | – |

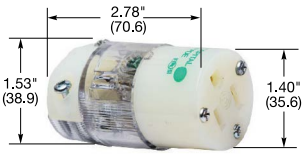
*Note: See page A-49 for accessories.*




**HBL8115V**




**HBL8219C**




**HBL8219CT**

**IP20** SUITABILITY




**15A 250V**
**NEMA 6-15P**
UL CSA
1.5 HP




**20A 250V**
**NEMA 6-20P**
UL CSA
2 HP

### Hospital Grade ● Plugs

#### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| Valise plug, white nylon. | .300"-.660" (7.6-16.8) | **HBL8666V** | **HBL8464V** |

*Note: HP ratings listed above are based on 208 to 240V AC only.*




**HBL8119V**




**15A 250V**
**NEMA 6-15R**
UL CSA
1.5 HP

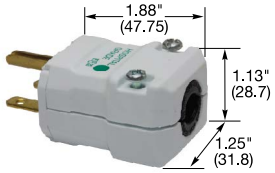



**20A 250V**
**NEMA 6-20R**
UL CSA
2 HP

### Hospital Grade ● Connector Bodies

#### Valise®

| Description | Cord Diameter | Catalog Number | |
|---|---|---|---|
| White nylon. | .300"-.660" (7.6-16.8) | – | **HBL8469V** |




**HBL8666V**

*Dimensions in Inches (mm)*

Fed.Spec.

## Features and Benefits

### Extra Heavy Duty Hospital Grade ● GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester “V0” thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Three indicators: power solid green, GF/trip solid red, end of life flashing red

Meets UL Standard 943 Class A GFCI



**GF5262SGBK**



**GF8300SGW**

### AUTOGUARD® Self Test Hospital Grade ● Tamper and Weather Resistant GFCI Receptacles




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Description | Rating | Color | Catalog Number | |
|---|---|---|---|---|
| Hospital Grade Extra Heavy Duty Industrial Ground Fault Receptacle Feed Through, Tamper and Weather Resistant | 15 and 20A 125V AC | Black | **GF8200SGBK** | **GF8300SGBK** |
| | | Brown | **GF8200SG** | **GF8300SG** |
| | | Gray | **GF8200SGGY** | **GF8300SGGY** |
| | | Ivory | **GF8200SGI** | **GF8300SGI** |
| | | Red | **GF8200SGR** | **GF8300SGR** |
| | | White | **GF8200SGW** | **GF8300SGW** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability.*
*See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.*

### GFCI Receptacle Specifications per GFCI Products Listed (Pages L-12 to L-15)

| | |
|---|---|
| Trip Level | 4 to 6 mA. |
| Trip Time | .025 second nominal. |
| Frequency | 60 Hz. |
| Voltage | 120V AC +10% - 15% (102V to 132V). |
| Amperage | 15A/20A, 20A Feed-Thru. |
| Maximum Interrupting Capacity | 10,000A. |
| Operating Temperature | -35°C to 66°C or -30°F to 150°F. |
| Maximum Humidity | 95%. |
| Dust Resistant | Meets UL 943, section 6.20 for resistance to dust contaminants |
| Corrosion Resistant | Meets UL 943, section 6.21 for resistance to corrosion |
| FCC Part 15 Class B | Certified conformance to radiated and conducted emission testing per FCC |
| Immunity to noise | Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances |
| Listings and Standards | Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified. |
| Codes | Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73. |

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits

### Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC® 517-18(c)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition

Meets UL Standard 943
Class A GFCI



**GFTRST83B**




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### Hospital Grade ● Tamper-Resistant GFCI Receptacles

| Description | Rating | Color | Catalog Number | |
|---|---|---|---|---|
| Night Light<br>Two LED Night Lights,<br>Flush, nylon face,<br>back and side wired,<br>multiple drive screws,<br>self-grounding staple. | 15 and 20A<br>125V AC | Black | **GFTRST82BKNL** | **GFTRST83BKNL** |
| | | Brown | **GFTRST82NL** | **GFTRST83NL** |
| | | Gray | **GFTRST82GYNL** | **GFTRST83GYNL** |
| | | Ivory | **GFTRST82INL** | **GFTRST83INL** |
| | | Light Almond | **GFTRST82LANL** | **GFTRST83LANL** |
| | | Red | **GFTRST82RNL** | **GFTRST83RNL** |
| | | White | **GFTRST82WNL** | **GFTRST83WNL** |
| Alarm,<br>Flush, nylon face,<br>back and side wired,<br>multiple drive screws,<br>self-grounding staple. | 15 and 20A<br>125V AC | Black | **GFTRST82BKB** | **GFTRST83BKB** |
| | | Brown | **GFTRST82B** | **GFTRST83B** |
| | | Gray | **GFTRST82GYB** | **GFTRST83GYB** |
| | | Ivory | **GFTRST82IB** | **GFTRST83IB** |
| | | Light Almond | **GFTRST82LAB** | **GFTRST83LAB** |
| | | Red | **GFTRST82RB** | **GFTRST83RB** |
| | | White | **GFTRST82WB** | **GFTRST83WB** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*
*See page Tech-10 for Tamper-Resistant description.*



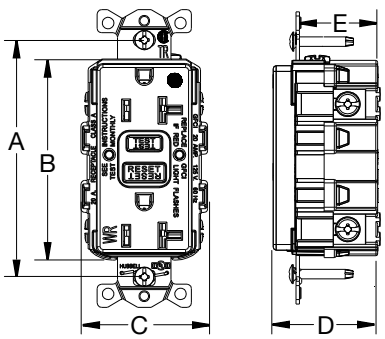
**GFTRST83WNL**



**GFTRST83GYB**

### Product Dimensions

| | GFCI Receptacle |
|---|---|
| A | 3.27 (83.1) |
| B | 2.75 (69.8) |
| C | 1.75 (44.5) |
| D | 1.47 (37.4) |
| E | 1.10 (27.9) |




*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

*Dimensions in Inches (mm)*

Fed.Spec.

## Features and Benefits

### Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired

Meets UL Standard 943 Class A GFCI



GFTWRST83WIG




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP



GFTWRST82AL



GFTWRST83GYU



GFTWRST82BKIG



GFTWRST83SNAPI



SNAP1RA

### Hospital Grade ● Tamper-Resistant and Weather Resistant GFCI Receptacles

| Description | Rating | Color | Catalog Number | |
|---|---|---|---|---|
| Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFTWRST82BK** | **GFTWRST83BK** |
| | | Brown | **GFTWRST82** | **GFTWRST83** |
| | | Gray | **GFTWRST82GY** | **GFTWRST83GY** |
| | | Ivory | **GFTWRST82I** | **GFTWRST83I** |
| | | Light Almond | **GFTWRST82LA** | **GFTWRST83LA** |
| | | Red | **GFTWRST82R** | **GFTWRST83R** |
| | | White | **GFTWRST82W** | **GFTWRST83W** |
| Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFTWRST82BKU** | **GFTWRST83BKU** |
| | | Brown | **GFTWRST82U** | **GFTWRST83U** |
| | | Gray | **GFTWRST82GYU** | **GFTWRST83GYU** |
| | | Ivory | **GFTWRST82IU** | **GFTWRST83IU** |
| | | Light Almond | **GFTWRST82LAU** | **GFTWRST83LAU** |
| | | Red | **GFTWRST82RU** | **GFTWRST83RU** |
| | | White | **GFTWRST82WU** | **GFTWRST83WU** |
| Isolated Ground, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFTWRST82BKIG** | **GFTWRST83BKIG** |
| | | Brown | **GFTWRST82IG** | **GFTWRST83IG** |
| | | Gray | **GFTWRST82GYIG** | **GFTWRST83GYIG** |
| | | Ivory | **GFTWRST82IIG** | **GFTWRST83IIG** |
| | | Light Almond | **GFTWRST82LAIG** | **GFTWRST83LAIG** |
| | | Orange | **GFTWRST82ORIG** | **GFTWRST83ORIG** |
| | | Red | **GFTWRST82RIG** | **GFTWRST83RIG** |
| | | White | **GFTWRST82WIG** | **GFTWRST83WIG** |
| SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFTWRST82SNAPBK** | **GFTWRST83SNAPBK** |
| | | Brown | **GFTWRST82SNAP** | **GFTWRST83SNAP** |
| | | Gray | **GFTWRST82SNAPGY** | **GFTWRST83SNAPGY** |
| | | Ivory | **GFTWRST82SNAPI** | **GFTWRST83SNAPI** |
| | | Light Almond | **GFTWRST82SNAPLA** | **GFTWRST83SNAPLA** |
| | | Red | **GFTWRST82SNAPR** | **GFTWRST83SNAPR** |
| | | White | **GFTWRST82SNAPW** | **GFTWRST83SNAPW** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*
*See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.*

### SNAP*Connect*® Right Angle Pigtailed Connector

| Description | Wire Type | General Use | Assembled in USA |
|---|---|---|---|
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material. | Solid | **SNAP1RA** | **SNAP1RNA** |
| | Stranded | **SNAP2RA** | **SNAP2RNA** |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals. | Solid | **SNAP1RAM2** | **SNAP1RNAM2** |
| | Stranded | **SNAP2RAM2** | **SNAP2RNAM2** |

*Note: For Assembled in USA products, must order connector with NA suffix.*
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Features and Benefits

### Commercial Standard Hospital Grade ● GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple

Meets UL Standard 943 Class A GFCI



GFRST82WNL




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### Hospital Grade ● GFCI Receptacles

| Description | Rating | Color | Catalog Number | |
|---|---|---|---|---|
| Standard, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFRST82BK** | **GFRST83BK** |
| | | Brown | **GFRST82** | **GFRST83** |
| | | Gray | **GFRST82GY** | **GFRST83GY** |
| | | Ivory | **GFRST82I** | **GFRST83I** |
| | | Light Almond | **GFRST82LA** | **GFRST83LA** |
| | | Red | **GFRST82R** | **GFRST83R** |
| | | White | **GFRST82W** | **GFRST83W** |
| Assembled in USA, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFRST82BKU** | **GFRST83BKU** |
| | | Brown | **GFRST82U** | **GFRST83U** |
| | | Gray | **GFRST82GYU** | **GFRST83GYU** |
| | | Ivory | **GFRST82IU** | **GFRST83IU** |
| | | Light Almond | **GFRST82LAU** | **GFRST83LAU** |
| | | Red | **GFRST82RU** | **GFRST83RU** |
| | | White | **GFRST82WU** | **GFRST83WU** |
| Night Light Two LED Night Lights, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFRST82BKNL** | **GFRST83BKNL** |
| | | Brown | **GFRST82NL** | **GFRST83NL** |
| | | Gray | **GFRST82GYNL** | **GFRST83GYNL** |
| | | Ivory | **GFRST82INL** | **GFRST83INL** |
| | | Light Almond | **GFRST82LANL** | **GFRST83LANL** |
| | | Red | **GFRST82RNL** | **GFRST83RNL** |
| | | White | **GFRST82WNL** | **GFRST83WNL** |
| Alarm, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFRST82BKB** | **GFRST83BKB** |
| | | Brown | **GFRST82B** | **GFRST83B** |
| | | Gray | **GFRST82GYB** | **GFRST83GYB** |
| | | Ivory | **GFRST82IB** | **GFRST83IB** |
| | | Light Almond | **GFRST82LAB** | **GFRST83LAB** |
| | | Red | **GFRST82RB** | **GFRST83RB** |
| | | White | **GFRST82WB** | **GFRST83WB** |
| SNAPConnect®, Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. | 15 and 20A 125V AC | Black | **GFRST82SNAPBK** | **GFRST83SNAPBK** |
| | | Brown | **GFRST82SNAP** | **GFRST83SNAP** |
| | | Gray | **GFRST82SNAPGY** | **GFRST83SNAPGY** |
| | | Ivory | **GFRST82SNAPI** | **GFRST83SNAPI** |
| | | Light Almond | **GFRST82SNAPLA** | **GFRST83SNAPLA** |
| | | Red | **GFRST82SNAPR** | **GFRST83SNAPR** |
| | | White | **GFRST82SNAPW** | **GFRST83SNAPW** |

*Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.*
*Requires pigtailed connector see page L-14.*



GFRST82R



GFRST83INL

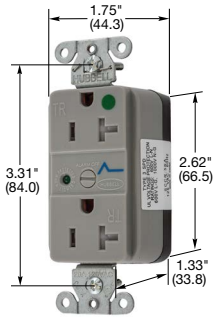


GFRST83BKB

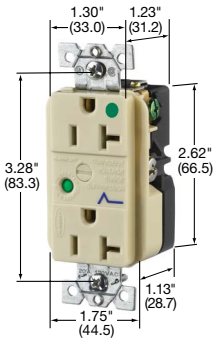


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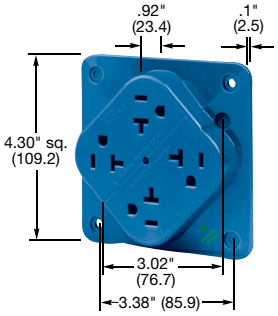
## Surge Protection Devices




**SNAP8362GYS**




**HBL8362ISA**




**HBL420HS**




**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

### Hospital Grade ● Circuit Guard® Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15000A peak current. Requires Snap connector on page L-14, sold separately. | Blue | **SNAP8262S** | **SNAP8362S** |
| | Gray | **SNAP8262GYS** | **SNAP8362GYS** |
| | Ivory | **SNAP8262IS** | **SNAP8362IS** |
| | Light Almond | **SNAP8262LAS** | **SNAP8362LAS** |
| | Red | **SNAP8262RS** | **SNAP8362RS** |
| | White | **SNAP8262WS** | **SNAP8362WS** |
| Surge suppression receptacles with light and alarm, 240 joules, 15000A peak current. | Blue | **HBL8262SA** | **HBL8362SA** |
| | Gray | **HBL8262GYSA** | **HBL8362GYSA** |
| | Ivory | **HBL8262ISA** | **HBL8362ISA** |
| | Red | **HBL8262RSA** | **HBL8362RSA** |
| | White | **HBL8262WSA** | **HBL8362WSA** |
| Isolated ground, surge suppression receptacles with light and alarm, 240 joules, 15000A peak current. | Blue | **IG8262SA** | **IG8362SA** |
| | Gray | **IG8262GYSA** | **IG8362GYSA** |
| | Ivory | **IG8262ISA** | **IG8362ISA** |
| | Orange | **IG8262OSA** | **IG8362OSA** |
| | Red | **IG8262RSA** | **IG8362RSA** |
| | White | **IG8262WSA** | **IG8362WSA** |
| 4-PLEX® surge suppression receptacles with lights, 80 joules, 6500A peak current. | Blue | – | **HBL420HS** |
| | Ivory | – | **HBL420HIS** |
| | Red | – | **HBL420HRS** |

*Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.*

### 4-PLEX® Accessories

| Description | Color | Catalog Number |
|---|---|---|
| 4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes. | Blue | **HBL4APBL** |
| | Ivory | **HBL4API** |
| | Red | **HBL4APR** |
| 4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord. | Ivory | **HBL4PBI** |

*Note: 4-PLEX Box is not UL Listed.*

UL2930 Listed

### UL2930 Health Care Outlet Assembly (HCOA)

| Description | # of Outlets | Cord Length | Color | 15 Amp | 20 Amp |
|---|---|---|---|---|---|
| UL 2930 HCOA with L-N surge protection. | 6 | 6' | White | **HBL6MG6** | **HBL6MG620** |
| | 6 | 15' | White | **HBL6MG15** | **HBL6MG1520** |
| UL 2930 HCOA, Relocatable Power Tap (RPT). | 6 | 6' | White | **HBL6MGRPT6** | **HBL6MGRPT620** |
| | 6 | 15' | White | **HBL6MGRPT15** | **HBL6MGRPT1520** |



**HBL6MGRPT620**

Listed to UL1449

### SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

| Description | # of Outlets | Cord Length | Color | 15 Amp | 20 Amp |
|---|---|---|---|---|---|
| Type 3 SPD, Heavy Duty metal housing. | 6 | 6' | White | **HBL6HG6** | **HBL6HG620** |
| | 6 | 15' | White | **HBL6HG15** | **HBL6HG1520** |
| UL Type 3 SPD, Heavy Duty metal housing with 2-port USB. | 4 | 6' | White | **HBL6HGUSB6** | — |



**HBL6HGUSB6**

*Dimensions in Inches (mm)*

## Hubbellock® Plugs, Connector Bodies and Receptacles

### For Hospital Use Only






20A 125V AC

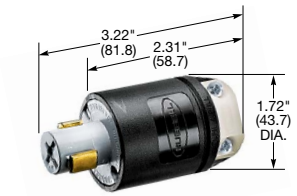



20A 125V AC

### Hubbellock® Plugs and Connector Bodies

| Description | Plugs | Connector Bodies |
|---|---|---|
| Nylon cover, thermoset interior. | **HBL23014HGB** | **HBL23001HGB** |
| Armored, epoxy filled, rubber cord grip. | **HBL23004HG** | – |

*Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).*




**HBL23014HGB**

### Receptacles

| Description | Catalog Number | |
|---|---|---|
| Black, back wired. | – | **HBL23000HG** |




**HBL23001HGB**

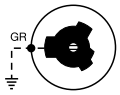
### Wallplates

| Description | Catalog Number |
|---|---|
| Stainless steel 302/304, single-gang. | **HBL23901HG** |
| Stainless steel 302/304, three-gang for two receptacles. | **HBL23909HG** |

*Note: Suffix HG or HGB type for hospital use only.*



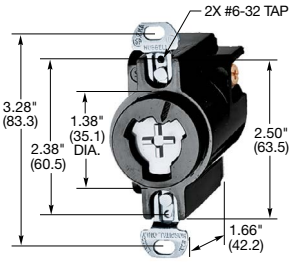
**IP30**
SUITABILITY




20A 125V AC

### Explosion Proof Plug

| Description | Catalog Number |
|---|---|
| Plug, with, epoxy kit, accepts #12 or #14 type SO cable. | **HBL24312** |

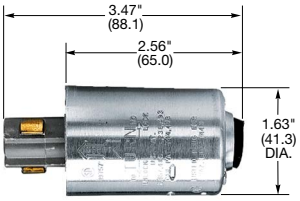



**HBL23000HG**

### Hazardous to Non-hazardous Location Receptacle Conversion Kits

Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

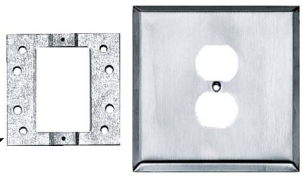
| For Conversion To: | Catalog Number |
|---|---|
| 20A, 125V, duplex receptacle (Hubbell HBL830 Series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included). | **HBL24300RKD** |
| 20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle ( receptacle not included. | **HBL24300RKS** |




**HBL24312**



**24352** Low-profile style explosion-proof receptacle (now discontinued).



**HBL24300RKD** Retrofit kit for duplex receptacles.



**HBL24300RKD** Duplex retrofit kit accepts 20A duplex straight blade hospital grade receptacles (HBL8300, HBL8300I, IG8300, etc.). Order receptacles separately.



**HBL24300RKS** Retrofit kit for single receptacles.



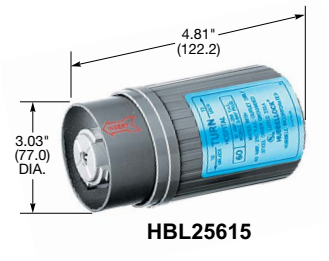
**HBL24300RKS** Single retrofit accepts hospital only Hubbellock single receptacles (Hubbell HBL23000HG) or 20A single straight blade hospital grade receptacles (Hubbell HBL8310, HBL8310I, IG8310, etc.). Order receptacles separately.

*Dimensions in Inches (mm)*

## Hubbellock® Mobile X-Ray Devices



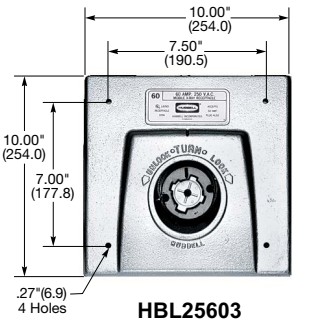

HBL25515



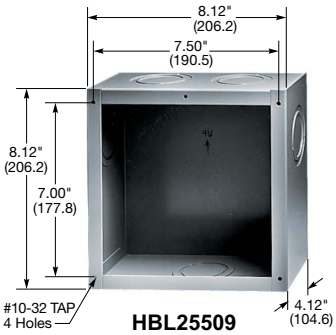

HBL25615




HBL25605

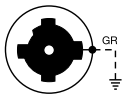



HBL25603

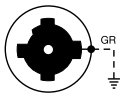



HBL25509

**IP30**
SUITABILITY




50A 250V AC

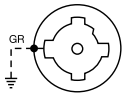



60A 250V AC

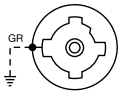
### Mobile X-Ray Plugs

| Description | Catalog Number | |
|---|---|---|
| Plug, with epoxy kit, less cord clamp. | **HBL25515** | **HBL25615** |
| Plug, with cord clamp, less epoxy kit. | **HBL25525** | **HBL25625** |

*Note: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0).*
*50A plugs fit 50A or 60A receptacles.*




50A 250V AC




60A 250V AC

### Mobile X-Ray Receptacles

| Description | Catalog Number | |
|---|---|---|
| Receptacle with stainless steel plate assembly. | **HBL25505** | **HBL25605** |
| Receptacle with cast aluminum plate assembly. | **HBL25503** | **HBL25603** |
| Replacement receptacle interior. | **–** | **IN16494** |

### Accessory

| Description | Catalog Number |
|---|---|
| Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 1¼", 1½" and 2". | **HBL25509** |

*Dimensions in Inches (mm)*

# SECTION M

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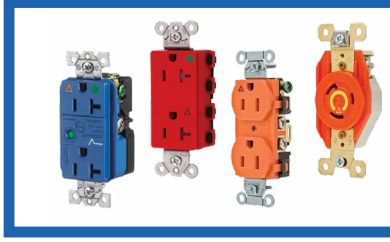
**Surge Protection Panels & Wired-In Branch Panels**



**SpikeShield® Surge Protection Plug Strips**



**Surge Protection & Isolated Ground Receptacles**




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# SpikeShield® Power Quality Products

## Products at a Glance



**Surge Protection Panels and Wired-In Branch Panels**

- 320,000, 160,000 and 120,000 peak amp capacity
- Wired-in branch panel protection 100,000 peak amp capacity
- Wired-in surge arrestors, single phase 36,000 and three phase 40,000
- Wired-in surge protective devices 50,000 peak amp capacity



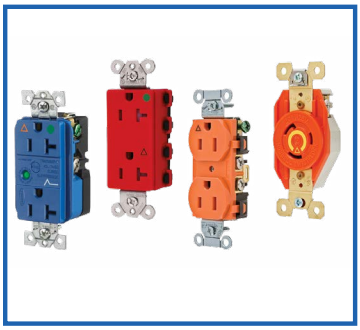
**SpikeShield® Surge Protection Plug Strips**

- UL2930 Healthcare Outlet Assemblies
- UL1449 Surge Protective Devices
- 15A and 20A versions
- Available in metallic and non-metallic
- 6 foot or 15 foot cords available
- USB ports included in several models



**Surge Protection Receptacles**

- Available in Specification and Hospital Grade versions
- SNAPConnect® version with tamper-resistant shutters
- Isolated Ground Specification and Hospital Grade SPD's available



**Isolated Ground Receptacles**

- Available in Specification and Hospital Grade versions
- Twist-Lock® Isolated Ground available
- Isolated Ground SPD's also available

## Features and Benefits

### Hubbell Surge Protective Devices (SPD)

A cascading approach is recommended for optimal surge protection of any facility or home. A cascading approach includes surge protection at the service entrance, branch panel and the point-of-use. Hubbell offers a comprehensive offering of panel surge products, innovative surge strips and the broadest surge receptacle offering in the industry.

The SpikeShield® line of panel surge protective devices offers a broad selection of products to meet the many requirements of industrial, commercial, institutional and residential applications. Hubbell offers a complete offering of high quality, cost effective panel surge products.

- All panel surge products are UL1449 4th edition listed
- Protection levels from 50 kA to 320 kA to handle all real world surge events
- 120, 160 and 320 kA versions feature bus bar construction, bolt down modules, surge counter and a metallic NEMA 1 enclosure
- Hubbell's wired-in surge units are ideal for service entrance, branch panel, or point of use applications such as protecting variable speed drives or other sensitive equipment on the plant floor






**Housing Design**

- Surface mounting
- Compact design with bus-bar pathways, allows installation in areas with space restrictions
- NEMA 1 enclosure
- All panel products are UL Listed to Standard 1449 4th edition



**Interior Design**

- Bolt-down modules, assures positive connection and allows for easy replacement
- Thermal fuse prevents the MOVs from overheating when exposed to high current levels
- Peak amp capacity for 120kA, 160kA and 320kA, protects equipment under the worst electrical conditions



**Optional Disconnect Models**

- 160 kA and 320 kA surge panels are available with an optional integral disconnect
- Integral switch allows power to SPD to be disconnected before opening the enclosure door



**Protection**

- Diagnostics panel
- LED and audible alarm for module failure with silencing
- UL 1449 Type 1 to be used in both Type 1 and Type 2 applications
- Type 1 SPD's can be located at any point in the electrical system, on the line or load side of the equipment over-current device

## 320kA and 160kA Service/Branch Panel Protection

The SpikeShield® service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge protection modules) design and feature the latest industry approvals and safety ratings. Including UL1449 4th edition.

- Improved performance through the use of a low impedance bus-bar design
- Replaceable surge protection modules
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator



HBL4P320DB



HBL10P160DB

## Service/Branch Panel Protection 320,000 Peak Amp Capacity (Type 1 SPD)

| Voltage | Configuration | Catalog Number | With Disconnect | Replacement Module |
|---|---|---|---|---|
| 120/240V AC Single Phase | 1Ph. 3-wire +G | - | **HBL3P320DB** | **HBL160M120B** |
| 120/208V AC Wye* | 3Ph. Wye 4-wire +G | **HBL4P320B** | **HBL4P320DB** | **HBL160M120B** |
| 277/480V AC Wye** | 3Ph. Delta 3-wire +G | **HBL8P320B** | - | **HBL160M480B** |
| 347/600V AC Wye | 3Ph. Wye 4-wire +G | **HBL10P320B** | **HBL10P320DB** | - |

## Service/Branch Panel Protection 160,000 Peak Amp Capacity (Type 1 SPD)

| Voltage | Configuration | Catalog Number | With Disconnect | Replacement Module |
|---|---|---|---|---|
| 120/240V AC Single Phase | 1Ph. 3-wire +G | - | **HBL3P160DB** | **HBL160M120B** |
| 120/208V AC Wye* | 3Ph. Wye 4-wire +G | **HBL4P160B** | **HBL4P160DB** | **HBL160M120B** |
| 347/600V AC Wye | 3Ph. Wye 4-wire +G | **HBL10P160B** | **HBL10P160DB** | **HBL160M347B** |
| 600V AC Delta | 3Ph. Delta 3-wire +G | **HBL11P160B** | - | - |

*Note: Units come standard with Surge Counter.*
**120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

(1) Not available in stainless steel for 320 and 480 kA
(2) Do not use on undergrounded systems. Systems must be solidly grounded
(3) 208Y/120 series also applies to the following voltage 220Y/127
(4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

## Electrical Specifications

| | | | | | Voltage Protection Rating (VPR) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L-N | | L-G | | N-G | | L-L | |
| 320kA Panel | 160kA Panel | SCCR ◊ | $I_n$ | MCOV † | 320kA | 160kA | 320kA | 160kA | 320kA | 160kA | 320kA | 160kA |
| - | **HBL3P160B** | 200kA | 20kA | 150V | 900 | 700 | 900 | 700 | 800 | 600 | 1500 | 1000 |
| **HBL4P320B** | **HBL4P160B** | 200kA | 20kA | 150V | 900 | 700 | 900 | 700 | 800 | 600 | 1500 | 1000 |
| **HBL8P320B** | - | 200kA | 20kA | 320V | 1500 | 1200 | 1500 | 1200 | 1200 | 1200 | 2000 | 2500 |
| **HBL10P320B** | **HBL10P160B** | 200kA | 20kA | 420V | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 2500 | 2500 |
| - | **HBL11P160B** | 200kA | 20kA | 840V | N/A | N/A | 3000 | 2500 | N/A | N/A | 2500 | 2500 |

*Note: Specification applies to both (B) and (DB) series.*
*◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. $I_n$ - Nominal discharge current.*

## Product Specifications

| | |
|---|---|
| Max. Surge Current per Phase: | 320kA and 160kA |
| Max. Operating Temperature: | -20°F to 149°F (-4°C to 65°C) |
| Diagnostics Indicators: | Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter |
| Dimensions: | 11.04"W x 22.44"H x 7.87"D (320kA) and 11.04"W x 20.32"H x 5.32"D (160kA) |
| Weight: | 37 lbs. Max. (320kA) and 27 lbs. Max. (160kA) |
| Terminal Accommodation: | #10 AWG to #2 AWG |
| Operating Frequency: | 50/60 Hz |
| EMI/RFI: | Up to -30dB |
| Housing Rating: | NEMA 1 |
| Listing: | cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition. |
| Warranty: | 10 year |

## 120kA Service/Branch Panel Protection

The SpikeShield® 120kA branch panel product offering features an economical, compact, modular design.

- Economical, compact, modular design
- Protect branch panels, safety switches and load centers
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator
- UL1449 4th edition



**HBL8P120C**

## Service/Branch Panel Protection 120,000 Peak Amp Capacity (Type 1 SPD)

| Voltage V AC | Configuration | Catalog Number | Replacement Module |
|---|---|---|---|
| 120/240V AC Single Phase | 1Ph. 3-wire +G | **HBL3P120C** | - |
| 120/208V AC Wye* | 3Ph. Wye 4-wire +G | **HBL4P120C** | - |
| 277/480V AC Wye** | 3Ph. Wye 4-wire +G | **HBL8P120C** | - |
| 347/600V AC Wye | 3Ph. Wye 4-wire +G | **HBL10P120C** | **HBL10P120CM** |

*Note: Units come standard with Surge Counter.*
**120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*

(1) Not available in stainless steel for 320 and 480 kA
(2) Do not use on undergrounded systems. Systems must be solidly grounded
(3) 208Y/120 series also applies to the following voltage 220Y/127
(4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

## Electrical Specifications

| 120kA Panel | SCCR ◊ | $I_n$ | MCOV † | Voltage Protection Rating (VPR) | | | |
|---|---|---|---|---|---|---|---|
| | | | | L-N | L-G | N-G | L-L |
| **HBL3P120C** | 200kA | 20kA | 150V | 700 | 700 | 600 | 1000 |
| **HBL4P120C** | 200kA | 20kA | 150V | 700 | 700 | 600 | 1000 |
| **HBL8P120C** | 200kA | 20kA | 320V | 1200 | 1200 | 1000 | 2000 |
| **HBL10P120C** | 200kA | 20kA | 420V | 1500 | 1500 | 1200 | 2500 |

*Note: ◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. $I_n$ - Nominal discharge current.*

## Product Specifications

| | |
|---|---|
| Max. Surge Current per Phase: | 120kA |
| Max. Operating Temperature: | -40°F to 149°F (-40°C to 65°C) |
| Diagnostics Indicators: | Push to Test Diagnostics, Red and Green Status LED's. Dry Contacts, Audible Alarm and Surge Counter |
| Dimensions: | 11.04"W x 11.44"H x 5.32"D |
| Weight: | 23.0 lbs. Max. |
| Terminal Accommodation: | #10 AWG to #2 AWG |
| Operating Frequency: | 50/60/400 Hz |
| EMI/RFI: | Up to -30dB |
| Housing Rating: | NEMA 1 |
| Listing: | cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition. |
| Warranty: | 10 year |

## Wired-In Branch Panel Protection

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 100kA product features a NEMA 4X housing and a 200kA SCCR rating.

The SpikeShield wired-in surge protective devices are UL1449 4th edition listed.

- 100,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance




**HBL9W100C**

## Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

| Service Voltage | Configuration | Catalog Number |
|---|---|---|
| 120/240V AC Single Phase | 1Ph. 3-wire +G | **HBL3W100C** |
| 120/208V AC Wye* | 3Ph. Wye 4-wire +G | **HBL4W100C** |
| 277/480V AC Wye** | 3Ph. Wye 4-wire +G | **HBL8W100C** |
| 480V AC Delta | 3Ph. Delta 3-wire +G | **HBL9W100C** |
| 347/600V AC Wye | 3Ph. Wye 4-wire +G | **HBL10W100C** |
| 600V AC Delta | 3Ph. Delta 3-wire +G | **HBL11W100C** |

*Note: *120/208 Wye also applies to 127/220 Wye.*
***277/480 Wye also applies to 220/380 Wye, 230/400 Wye and 240/415 Wye.*
*ΔAlso can be used on ungrounded systems.*

(1) Not available in stainless steel for 320 and 480 kA
(2) Do not use on undergrounded systems. Systems must be solidly grounded
(3) 208Y/120 series also applies to the following voltage 220Y/127
(4) Can be used on 4-wire or 3-wire grounded wye systems with or without nuetral
(5) 480Y/277 series applies to the following voltages 380Y/220, 400Y/230, and 415Y/240
(6) 480 V Delta series also applies to the following voltage 480Y/277V HRG
(7) 600 V Delta series also applies to the following voltage 600Y/347V HRG

## Electrical Specifications

| Catalog Number | SCCR ◊ | $I_n$ | MCOV † | Voltage Protection Rating (VPR) L-N | L-G | N-G | L-L |
|---|---|---|---|---|---|---|---|
| **HBL3W100C** | 200kA | 20kA | 150/270 | 900 | 1200 | 700 | 1500 |
| **HBL4W100C** | 200kA | 20kA | 150/270 | 900 | 1200 | 700 | 1500 |
| **HBL8W100C** | 200kA | 20kA | 320/640 | 1200 | 2000 | 1000 | 2500 |
| **HBL9W100C** | 200kA | 20kA | 640 | N/A | N/A | N/A | 3000 |
| **HBL10W100C** | 200kA | 20kA | 390/780 | 1500 | 2500 | 1500 | 3000 |
| **HBL11W100C** | 200kA | 20kA | 780 | N/A | N/A | N/A | 3000 |

*Note: ◊ SCCR - Short Circuit Current Rating.*
*† MCOV - Maximum Continuous Operating Voltage.*
*$I_n$ - Nominal discharge current.*

## Product Specifications

| | |
|---|---|
| Max. Surge Current per Phase: | 100kA |
| Max. Operating Temperature: | -40°F to 140°F (-40°C to 60°C) |
| Diagnostics Indicators: | Green Status LED's, Audible Alarm, Dry Contacts |
| Dimensions: | 9.9"W x 4.8"H x 3.1"D |
| Weight: | 4.78 lbs. |
| Terminal Accommodation: | #10 AWG 18.0" Wire Leads |
| Frequency: | 50/60 Hz |
| EMI/RFI: | Up to -30dB |
| Housing Rating: | Type 4X |
| Listing: | cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986 |
| Warranty: | 10 year |

## Wired-In Surge Arrestors and Protective Devices

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in high-quality surge protective device features a compact design, NEMA 4X rating and are UL1449 4th edition listed.

- 36,000, 40,000 and 50,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design




HBL3W50




HBL4SA40




HBLSDSA36

### Wired-In High-Quality Surge Protective Device (Type 1 SPD)

| Service Voltage | Configuration | Peak Amp Capacity | Mounting Means | Catalog Number |
|---|---|---|---|---|
| 120/240V AC Single Phase | 1Ph. 3-wire + G | 50kA | Side Nipple Mount | **HBL3W50** |

### Wired-In Surge Arrestors, Single Phase and Three Phase (Type 1 SPD)

| Service Voltage | Configuration | Peak Amp Capacity | Mounting Means | Catalog Number |
|---|---|---|---|---|
| 120/240V AC Single Phase | 1Ph. 3-wire | 36kA | Back Nipple Mount | **HBLSDSA36** |
| 120/208V AC Wye* | 3Ph. 4-wire | 40kA | Back Nipple Mount | **HBL4SA40** |
| 240V AC Delta | 3Ph. 3-wire | 40kA | Back Nipple Mount | **HBL5SA40** |
| 480V AC Delta | 3Ph. 3-wire | 40kA | Back Nipple Mount | **HBL9SA40** |
| 347/600V AC Wye | 3Ph. 4-wire | 40kA | Back Nipple Mount | **HBL10SA40** |
| 600V AC Delta | 3Ph. 3-wire | 40kA | Back Nipple Mount | **HBL11SA40** |

### Electrical Specifications

| Catalog Number | SCCR ◊ | $I_n$ | MCOV † | Voltage Protection Rating (VPR) | | | |
|---|---|---|---|---|---|---|---|
| | | | | L-N | L-G | N-G | L-L |
| **HBL3W50** | 25kA | 10kA | 150 (L-N, L-G), 300 (L-L) | 700 | 800 | N/A | 1200 |
| **HBLSDSA36** | 22kA | 10kA | 150 | 700 | N/A | N/A | 1200 |
| **HBL4SA40** | 200kA | 10kA | 180 (L-N), 360 (L-L) | 700 | N/A | N/A | 1200 |
| **HBL5SA40** | 200kA | 10kA | 360 (L-L) | N/A | N/A | N/A | 1200 |
| **HBL9SA40** | 200kA | 10kA | 840 (L-L) | N/A | N/A | N/A | 2500 |
| **HBL10SA40** | 200kA | 10kA | 510 (L-N), 1020 (L-L) | 1800 | N/A | N/A | 3000 |
| **HBL11SA40** | 200kA | 10kA | 1020 (L-L) | N/A | N/A | N/A | 3000 |

*Note: ◊ SCCR - Short Circuit Current Rating. † MCOV - Maximum Continuous Operating Voltage. $I_n$ - Nominal discharge current.*

### Product Specifications

| Service Voltage | Single Phase | Single Phase | Three Phase |
|---|---|---|---|
| Max. Surge Current per Phase: | 50kA | 36kA | 40kA |
| Max. Operating Temperature: | -40°F to 149°F (-40°C to 65°C) | -40°F to 149°F (-40°C to 65°C) | -40°F to 149°F (-40°C to 65°C) |
| Diagnostics Indicators: | Green Status LED per line | Green Status LED per line | Green Status LED per line |
| Dimensions: | 3.0"W x 3.6"H x 2.67"D | 2.25"W x 2.25"H x 1.94"D | 3.60"W x 3.0"H x 2.64"D |
| Weight: | 1.8 lbs. | .72 lbs. | 1.8 lbs. |
| Terminal Accommodation: | #12 AWG Wire Leads | #14 AWG Wire Leads | #12 AWG Wire Leads |
| Frequency: | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| EMI/RFI: | Up to -30dB | Up to -30dB | Up to -30dB |
| Housing Rating: | Type 4X | Type 4X | Type 4X |
| Listing: | UL1449 4th edition | UL1449 4th edition | UL1449 4th edition |
| Warranty: | 10 year | 2 year | 2 year |

## Features and Benefits

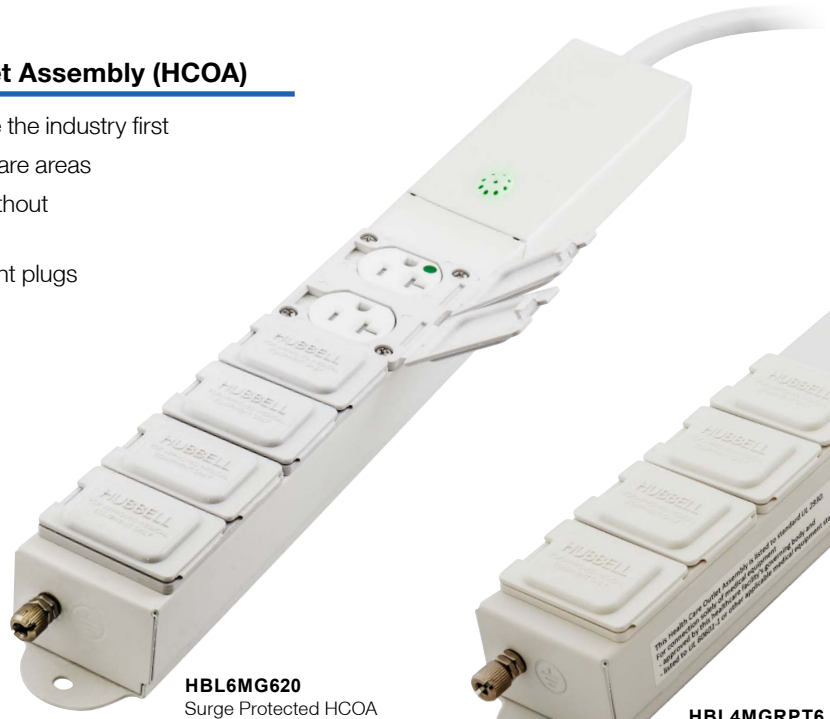
UL2930 Listed

### UL2930 Healthcare Outlet Assembly (HCOA)

- Hubbell's UL2930 HCOAs are the industry first
- UL listed product for patient care areas
- Product is available with or without L-N surge protection
- 4 Outlet models feature straight plugs



45° Angle Plug (6 outlet 15A models only)



**HBL6MG620**
Surge Protected HCOA



**HBL4MGRPT6**
RPT HCOA



### Housing Design and Safety

- First UL2930 product ever sold
- 15A and 20A 125V versions
- Surge or Non-surge protected models in all configurations
- Tamper-resistant flip covers
- Green LED indicates surge protection working



### Contacts and Cord

- Equipment grounding terminal
- 6 ft. or 15 ft. cord length
- 12/3 AWG cord on 15A and 20A models
- 45° angle plug (6 outlet 15A models only)
- 90° angle plug (All 4 outlet and all 20A models)



**HBL6MG6**



**HBL4MGRPT6**



**HBLHCOAMB**



**ROCMGS**

### UL2930 Healthcare (6) Outlet Assembly (HCOA)

| Description | # of Outlets | Joule Rating | Cord Length | Color | 15 Amp | 20 Amp |
|---|---|---|---|---|---|---|
| UL2930 HCOA with L-N Surge Protection | 6 | 550 | 6 Ft. | White | **HBL6MG6** | **HBL6MG620** |
| | 6 | 550 | 15 Ft. | White | **HBL6MG15** | **HBL6MG1520** |
| UL2930 HCOA Relocatable Power Tap (RPT) | 6 | N/A | 6 Ft. | White | **HBL6MGRPT6** | **HBL6MGRPT620** |
| | 6 | N/A | 15 Ft. | White | **HBL6MGRPT15** | **HBL6MGRPT1520** |

### UL2930 Healthcare (4) Outlet Assembly (HCOA)

| Description | # of Outlets | Joule Rating | Cord Length | Color | 15 Amp | 20 Amp |
|---|---|---|---|---|---|---|
| UL2930 HCOA with L-N Surge Protection | 4 | 550 | 6 Ft. | White | **HBL4MG6** | **HBL4MG620** |
| | 4 | 550 | 15 Ft. | White | **HBL4MG15** | **HBL4MG1520** |
| UL2930 HCOA Relocatable Power Tap (RPT) | 4 | N/A | 6 Ft. | White | **HBL4MGRPT6** | **HBL4MGRPT620** |
| | 4 | N/A | 15 Ft. | White | **HBL4MGRPT15** | **HBL4MGRPT1520** |

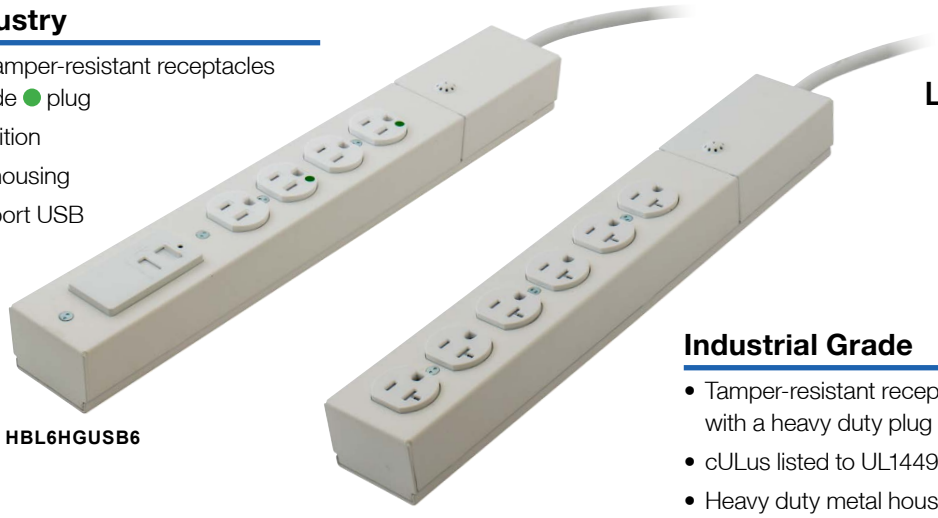
### Hubbell HCOA Accessories

| Description | Color | Catalog Number |
|---|---|---|
| HCOA mounting bracket allows strips to be easily mounted to IV poles or other like medical devices. | Black | **HBLHCOAMB** |
| HCOA replacement outlet cover | White | **ROCMGS** |

# SpikeShield® Power Quality Products

## Healthcare Industry

- Hospital grade ● tamper-resistant receptacles with a hospital grade ● plug
- cULus 1449 4th edition
- Heavy duty metal housing
- Available with a 2-port USB charging outlet



HBL6HGUSB6

HBL6SS620

Listed to UL1449 and UL1363

## Industrial Grade

- Tamper-resistant receptacles with a heavy duty plug
- cULus listed to UL1449 4th edition, UL1363
- Heavy duty metal housing

## SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

| Description | # of Outlets | Joule Rating | Cord Length | Color | Healthcare Industry 15 Amp | Healthcare Industry 20 Amp | Industrial Grade 15 Amp | Industrial Grade 20 Amp |
|---|---|---|---|---|---|---|---|---|
| UL Type 3 SPD, Heavy Duty Metal Housing | 6 | 1100 | 6' | White | **HBL6HG6** | **HBL6HG620** | **HBL6SS6** | **HBL6SS620** |
| | 6 | 1100 | 15' | White | **HBL6HG15** | **HBL6HG1520** | **HBL6SS15** | **HBL6SS1520** |
| UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB | 4 | 1100 | 6' | White | **HBL6HGUSB6** | — | — | — |

## Metallic Surge Protection Strips

| Description | # of Outlets | Joule Rating | Peak AMP Rating | Cord Length | Color | Down Line Warranty | Catalog Number |
|---|---|---|---|---|---|---|---|
| Metal Power Strip (No surge protection) | 6 | N/A | N/A | 6' | Office White | N/A | **HBL6MPS** |
| Metal Power Strip (No surge protection) | 6 | N/A | N/A | 15' | Office White | N/A | **HBL6MPS15** |
| Metal SPD | 6 | 1050 | 19.5kA | 6' | Office White | $2,500 | **HBL6MPS1050** |
| Metal SPD | 6 | 1050 | 19.5kA | 15' | Office White | $2,500 | **HBL6MPS105015** |
| SPD with Wire Management | 6 | 350 | 6.5kA | 6' | Yellow | $2,500 | **HBL6PS350YL** |
| SPD with Wire Management | 8 | 350 | 6.5kA | 6' | Yellow | $2,500 | **HBL8PS350YL** |



HBL6MPS



HBL6PS350YL



HBL6PS350A

## Non-Metallic Surge Protection Strips

| Description | # of Outlets | Joule Rating | Peak AMP Rating | Cord Length | Color | Down Line Warranty | Catalog Number |
|---|---|---|---|---|---|---|---|
| Power Strip (No surge protection) | 6 | N/A | N/A | 6' | Office White | N/A | **HBL6PPS** |
| SPD | 6 | 350 | 6.5kA | 6' | Office White | $2,500 | **HBL6PS350A** |
| SPD | 6 | 350 | 6.5kA | 15' | Office White | $2,500 | **HBL6PS35015A** |
| SPD with Fax/Modem | 6 | 1050 | 19.5kA | 6' | Office White | $2,500 | **HBL6PS1050MA** |
| SPD | 7 | 1050 | 19.5kA | 6' | Office White | $10,000 | **HBL7PS1050A** |
| SPD with Fax/Modem | 7 | 1050 | 19.5kA | 6' | Office White | $10,000 | **HBL7PS1050MA** |
| SPD | 7 | 1050 | 19.5kA | 15' | Office White | $10,000 | **HBL7PS105015A** |
| SPD with Fax/Modem/CATV | 8 | 2100 | 39kA | 6' | Office White | $25,000 | **HBL8PS2100MA** |
| SPD with Two USB Ports and 90° Angle Plug. | 4 | 1050 | 19.5kA | 6' | Black | $10,000 | **HBL4PS1050USBA** |



HBL8PS2100MA



HBL4PS1050USBA

## Features and Benefits

Listed to UL1363

### Heavy Duty Relocatable Power Taps for Industrial, Commercial and Retail Applications

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- Available in 15A and 20A configurations
- 6 Ft. and 15 Ft. cord length options for all models
- 15A models feature a 45° angle plug
- 20A models feature a 90° angle plug
- All models come with built in circuit breaker for over current protection
- Church-key openings on the back of the RPT for temporary mounting ease
- White powder coat RPTs feature UL Listed Hospital Grade, Tamper-Resistant Receptacles
- Black powder coat RPTs feature Specification Grade, Tamper-Resistant Receptacles



HBL6RPT620

HBL6RPT6BK



### Housing Design and Safety

- Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish
- White or Black powder coat RPTs feature Tamper-Resistant Receptacles
- Church-key openings on the back of the RPT for temporary mounting ease



### Contacts and Cord

- All models come with built in circuit breaker for over current protection
- 6 ft. or 15 ft. cord length
- 45° angle plug (15A series)
- 90° angle plug (20A series)



HBL6RPT6



HBL6RPT620BK

### Relocatable Power Tap with Hospital Grade Tamper-Resistant Receptacles

| Description | # of Outlets | Cord Length | Color | 15A 125V | 20A 125V |
|---|---|---|---|---|---|
| RPT, Heavy Duty Metal Housing | 6 | 6 Ft. | White | **HBL6RPT6** | **HBL6RPT620** |
| | 6 | 15 Ft. | White | **HBL6RPT15** | **HBL6RPT1520** |

### Relocatable Power Tap with Specification Grade Tamper-Resistant Receptacles

| Description | # of Outlets | Cord Length | Color | Catalog Number | 20A 125V |
|---|---|---|---|---|---|
| RPT, Heavy Duty Metal Housing | 6 | 6 Ft. | Black | **HBL6RPT6BK** | **HBL6RPT620BK** |
| | 6 | 15 Ft. | Black | **HBL6RPT15BK** | **HBL6RPT1520BK** |

### Relocatable Power Tap Specifications

**Electrical Specifications**

| | | |
|---|---|---|
| Current | 15A | 20A |
| Voltage | 125V | 125V |
| Frequency | 60Hz | 60Hz |
| Over Current Protection | 15A CB | 20A CB |

**Physical Specifications**

| | |
|---|---|
| Length | 11.12" (282.4) |
| Width | 2.22" (56.4) |
| Height | 1.6" (40.5) |

**Environmental Specifications**

| | |
|---|---|
| Operating Temperature | -40°F to 160°F (-40°C to 70°C) |

**Certifications**

cULus Listed UL1363 RPT

## Specifications

### UL2930 Heatlhcare Outlet Assembly

| Electrical Specifications | HBL6MG6/15 | HBL6MG20/1520 | HBL6MGRPT6/15 | HBL6MGRPT20/1520 |
|---|---|---|---|---|
| Current | 15A | 20A | 15A | 20A |
| Voltage | 125V | 125V | 125V | 125V |
| Frequency | 60Hz | 60Hz | 60Hz | 60Hz |
| Surge Component | MOV | MOV | N/A | N/A |

| Performance | | | |
|---|---|---|---|
| UL VPR | L-N | 600V | N/A |
| | L-G, N-G | N/A | |
| EMI Noise Filtration: | -11 dB to -68 dB (10kHz to 100MHZ) | | |
| In (Nominal Discharge Current) | 3kA | | |
| MCOV | 150V | | |
| Peak Current Rating L-N | 30KA | | |
| Leakage Current: | <.1mA | | |
| Total Joules (L-N) | 550j | | |

**Environmental Specifications**

| | |
|---|---|
| Operating Temperature | -40°F to 160°F (-40°C to 70°C) |

**Certifications**

UL 2930; UL File # E488399;
RoHs Compliant; NFPA 99 2012 ed;
ANSI/IEEE Category A (HBL6MG Series Only)

### SpikeShield® Surge Protective Devices (SPD) with Industrial Grade Tamper-Resistant Receptacles and Heavy Duty Plug

| Electrical Specifications | 15 Amp HBL6SS/HBL6HG Series | | 20Amp HBL6SS/HBL6HG Series |
|---|---|---|---|
| Current | 15A | | 20A |
| Voltage | 125V | | 125V |
| Frequency | 60Hz | | 60Hz |
| Surge Component | MOV | | MOV |
| Over Current Protection | 15A CB | | 20A CB |
| 2-Port USB (HBL6HGUSB6) | 5V DC Type A | | N/A |
| UL VPR | L-N | L-G | N-G |
| | 500V | 600V | 600V |
| MCOV | 150V | | |
| Peak Current Rating L-N | 30KA | | |
| Leakage Current: | <.5mA | | |
| EMI / RFI Noise Rejection | -11 dB to -68 dB (10kHz to 100MHZ) | | |
| Total Joules (all modes) | 1100j | | |

**Certifications**

cULus Listed to UL1449 4th Edition, UL1363 4th Edition
UL File # E143272
RoHs Compliant
NFPA 99 2012 ed
ANSI / IEEE Category A
cULus Listed to UL1310 (2-Port USB)

**Environmental Specifications**

| | |
|---|---|
| Operating Temperature | -40°F to 160°F (-40°C to 70°C) |

### SpikeShield® Surge Protection Plug Strips

| | PS350 Series | MPS350 Series | PS350YL Series | PS1050 Series |
|---|---|---|---|---|
| **Operating Specifications** | | | | |
| Max. Cont. Operating Voltage | 130 | 130 | 130 | 130 |
| Operating Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Max Surge Current | 6.5 kA | 6.5 kA | 6.5 kA | 19.5 kA |
| Operating Temperature | ---------- | -40°F to 160°F (-40°C to 70°C) | | ---------- |
| **Performance** | | | | |
| UL Voltage Protection Rating | 400V | 400V | 400V | 400V |
| MI / RFI Noise Rejection | — | — | — | -20dB |
| **Downline Warranty*** | $2,500 | $2,500 | $2,500 | $2,500 (6PS1050)<br>$10,000 (all others) |

*See warranty information inside product box for details.

**Dimensions**

| Series | Length | Width | Height |
|---|---|---|---|
| HBL6PS350/1050 Series & HBL6PPS | 11.2" (284.5) | 2.36" (59.9) | 1.85" (47.0) |
| HBL7PS1050 Series | 14.75" (374.7) | 2.36" (59.9) | 1.85" (47.0) |
| HBL6MPS Series | 12.25" (311.2) | 2.5" (63.5) | 1.5" (38.1) |
| HBL6PS350YL | 14.75" (374.7) | 2.5" (63.5) | 1.85" (47.0) |
| HBL8PS350YL | 10.0" (254.0) | 6.0" (152.4) | 1.85" (47.0) |
| HBL4PS1050USB | 10.38" (263.7)) | 3.81" (96.8) | 1.44" (36.6) |

*Lexan® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

# SpikeShield® Power Quality Products

## Features and Benefits

### Surge Protection Receptacles

Hubbell offers a broad range SPD receptacles with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from contaminants. An all-glass, conformably coated PC board provides superior moisture immunity for longer life in humid environments.

- Alarmed and non-alarmed versions
- Available in 15A and 20A versions
- Commercial Specification Grade and Hospital Grade
- IG available in all versions




*Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.*



**Housing Design**

- Meets UL Standards 1449 4th Edition and 498; CSA Certified
- Impact-resistant nylon face
- Available in Hospital Grade, 4-PLEX®, SNAPConnect® and Tamper-Resistant
- Fits standard wall box



**Terminals**

- Back and side wiring capability provides easy installation with stranded or solid wire



**One-Piece Mounting Strap**

- Wrap-around, locked on steel mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding staple attached to bridge meets NEC® requirements



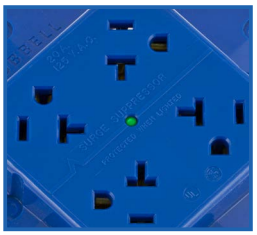
**Contacts**

- Green grounding screw connected directly to the grounding contacts




**Identification**

- Distinctive surge symbol provides quick visual identification
- Surge protection indicator light
- Muting screw allows damage-alert alarm to be silenced until device is replaced



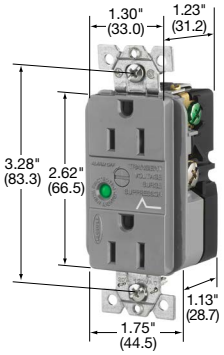
**4-PLEX Surge Receptacles**

- Distinctive surge symbol
- Surge protection indicator light

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Circuit Guard®, Specification Grade Duplex Receptacles

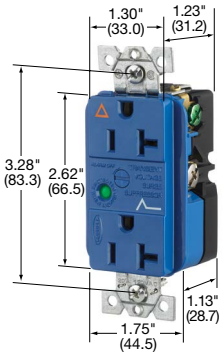
| Description | Color | 15A 125V NEMA 5-15R UL CSA | 20A 125V NEMA 5-20R UL CSA |
|---|---|---|---|
| Surge protection receptacles with light, 240 joules, 15kA peak current. | Blue | **HBL5260SA** | **HBL5360SA** |
| | Ivory | **HBL5260ISA** | **HBL5360ISA** |
| | Office White | **HBL5260OWSA** | **HBL5360OWSA** |
| | White | **HBL5260WSA** | **HBL5360WSA** |
| Surge protection receptacles with light and alarm, 240 joules, 15kA peak current. | Blue | **HBL5262SA** | **HBL5362SA** |
| | Gray | **HBL5262GYSA** | **HBL5362GYSA** |
| | Ivory | **HBL5262ISA** | **HBL5362ISA** |
| | Office White | **HBL5262OWSA** | **HBL5362OWSA** |
| | White | **HBL5262WSA** | **HBL5362WSA** |
| Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current. | Blue | **IG5262SA** | **IG5362SA** |
| | Gray | **IG5262GYSA** | **IG5362GYSA** |
| | Ivory | **IG5262ISA** | **IG5362ISA** |
| | Office White | **IG5262OWSA** | **IG5362OWSA** |
| | Orange | **IG5262OSA** | **IG5362OSA** |
| | White | **IG5262WSA** | **IG5362WSA** |
| 4-PLEX® surge protection receptacles with lights, 80 joules, 6.5kA peak current. | Blue | **HBL415S** | **HBL420S** |
| | Ivory | **HBL415IS** | **HBL420IS** |



**HBL5262GYSA**

## Circuit Guard®, Hospital Grade ● Duplex Receptacles

| Description | Color | Catalog Number | |
|---|---|---|---|
| Surge protection receptacles with light and alarm, 240 joules, 15kA peak current. | Blue | **HBL8262SA** | **HBL8362SA** |
| | Gray | **HBL8262GYSA** | **HBL8362GYSA** |
| | Ivory | **HBL8262ISA** | **HBL8362ISA** |
| | Red | **HBL8262RSA** | **HBL8362RSA** |
| | White | **HBL8262WSA** | **HBL8362WSA** |
| Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current. | Blue | **IG8262SA** | **IG8362SA** |
| | Gray | **IG8262GYSA** | **IG8362GYSA** |
| | Ivory | **IG8262ISA** | **IG8362ISA** |
| | Orange | **IG8262OSA** | **IG8362OSA** |
| | Red | **IG8262RSA** | **IG8362RSA** |
| | White | **IG8262WSA** | **IG8362WSA** |
| 4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current. | Blue | — | **HBL420HS** |
| | Ivory | — | **HBL420HIS** |
| | Red | — | **HBL420HRS** |

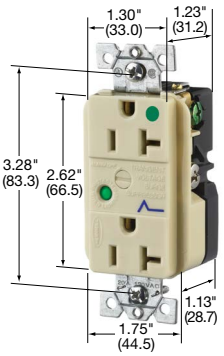


**IG5362SA**

## 4-PLEX® Accessories

| Description | Color | Catalog Number |
|---|---|---|
| 4-PLEX adapter plates for 1- and 2-gang (4-PLEX mount directly to 4" (101.6) square device boxes). | Blue | **HBL4APBL** |
| | Ivory | **HBL4API** |
| | Red | **HBL4APR** |
| 4-PLEX portable box. Portable 4" (101.6) square box with one cord grip. Accepts up to .66" (16.8) dia. cord. | Ivory | **HBL4PBI** |

*Note: 4-PLEX box is not UL Listed.*

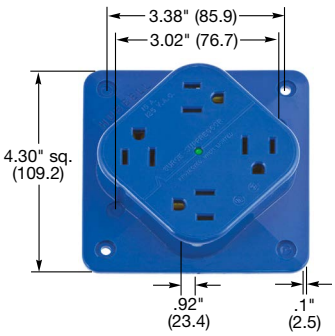


**HBL8362ISA**

## Wallplates (Sold Separately)

| Configuration | High-Impact Thermoplastic Color | Standard | Mid-Size | Plated Steel | | Stainless Steel (S/S) Brass | |
|---|---|---|---|---|---|---|---|
|  1-Gang | Blue | – | **PJ26BL** | Chrome | **SCH26** | Smooth S/S | **SS26** |
| | Gray | **P26GY** | **PJ26GY** | Brass | **SBP26** | Smooth S/S | **SSJ26**▲ |
| | Ivory | **P26I** | **PJ26I** | Plated | | Smooth | **SB26** |
| | Ivory | – | **PJ26C*** | | | Brass | |
| | Orange | **P26OIG**** | – | | | | |
| | Red | **P26R** | **PJ26R** | | | | |
| | White | **P26W** | **PJ26W** | | | | |

*Note: *Premarked "COMPUTER ONLY." Lettering is block ¼" high.*
***Premarked "ISOLATED GROUND." Lettering is block ¼" high.*
*▲Jumbo size plate.*
*See section O for additional wallplates.*



**HBL415S**

*Dimensions in Inches (mm)*

## Features and Benefits

### SNAP*Connect*® Surge Protection and Isolated Ground Receptacles Heavy Duty Specification Grade

Hubbell's SNAP*Connect*® Isolated Ground devices are available in a variety of styles.

- All SNAP*Connect*® IG receptacles include Hubbell's industry best tamper resistant shutter
- 15A and 20A models are available in Hospital Grade, HG Decorator, Commercial Specification Grade, and Commercial Decorator versions
- SNAP*Connect*® IG devices are also available with a power indicating LED version in all the aforementioned grades. The power indicating product is also available in a non TR shutter design
- SNAP*Connect*® connectors come standard with solid or stranded 12 AWG THHN




*Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.*




**Protection**

- Hubbell surge receptacles offer 240 joules of protection and 15 kA peak current rating
- Surge protection LED indicator flashes when surge protection is lost
- Audible alarm also provides user notification that surge protection has been lost. Muting screw allows user to turn alarm OFF once replacement has been scheduled



**Isolated Ground**

- IG triangle on the face of the receptacle clearly indicates isolated ground device
- LED Power-ON indicator available on all models
- Hubbell's patented TR shutter design is utilize on all IG receptacles that feature the Tamper-Resistant option



**Installation**

- SNAP*Connect*® devices reduce labor time during installation and when being serviced in the future
- Connectors available with solid or stranded leads
- Custom length leads available
- Push on wire option also available on SNAP*Connect*® connectors



**Installation**

- SNAP*Connect*® Isolated ground devices are available in standard duplex design or decorator shape
- 15A and 20A version in Commercial Specification Grade and Hospital Grade
- SNAP*Connect*® Isolated Ground devices provide a clean ground path for sensitive equipment

## SNAP*Connect*® Tamper-Resistant Surge Protection Receptacle with Power Indicating LED

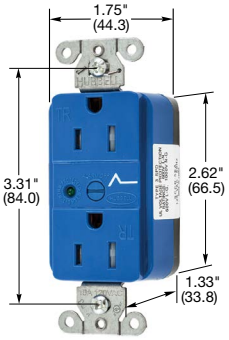



15A 125V
NEMA 5-15R
UL CSA




20A 125V
NEMA 5-20R
UL CSA

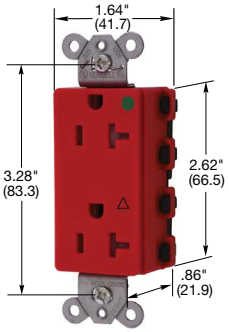
| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade ● SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current. | Blue | **SNAP8262S** | **SNAP8362S** |
| | Gray | **SNAP8262GYS** | **SNAP8362GYS** |
| | Ivory | **SNAP8262IS** | **SNAP8362IS** |
| | Light Almond | **SNAP8262LAS** | **SNAP8362LAS** |
| | Red | **SNAP8262RS** | **SNAP8362RS** |
| | White | **SNAP8262WS** | **SNAP8362WS** |
| Commercial Grade SNAP*Connect*® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15kA peak current. | Blue | **SNAP5262S** | **SNAP5362S** |
| | Gray | **SNAP5262GYS** | **SNAP5362GYS** |
| | Ivory | **SNAP5262IS** | **SNAP5362IS** |
| | Light Almond | **SNAP5262LAS** | **SNAP5362LAS** |
| | White | **SNAP5262WS** | **SNAP5362WS** |




**SNAP5262S**

## SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle

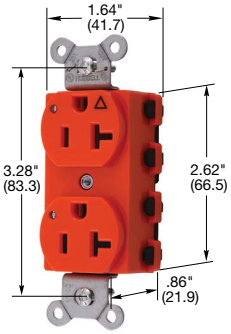
| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex. | Orange | **SNAP8200IGTRA** | **SNAP8300IGTRA** |
| | Red | **SNAP8200RIGTRA** | **SNAP8300RIGTRA** |
| Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex. | Orange | **SNAP2172IGTRA** | **SNAP2182IGTRA** |
| | Red | **SNAP2172RIGTRA** | **SNAP2182RIGTRA** |
| Commercial Grade, isolated ground. | Orange | **SNAP5262IGTRA** | **SNAP5362IGTRA** |
| Style Line® decorator. | Orange | **SNAP2152IGTRA** | **SNAP2162IGTRA** |




**SNAP2182RIGTRA**

## SNAP*Connect*® Isolated Ground Receptacle with Power Indicating LED

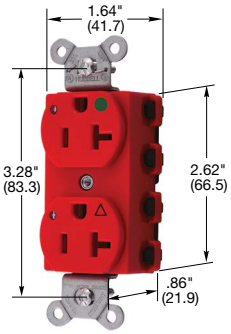
| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex. | Orange | **SNAP8200IGL** | **SNAP8300IGL** |
| | Red | **SNAP8200RIGL** | **SNAP8300RIGL** |
| Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex. | Orange | **SNAP2172IGL** | **SNAP2182IGL** |
| | Red | **SNAP2172RIGL** | **SNAP2182RIGL** |
| Commercial Grade, isolated ground. | Orange | **SNAP5262IGL** | **SNAP5362IGL** |
| Style Line® decorator. | Orange | **SNAP2152IGL** | **SNAP2162IGL** |




**SNAP5362IGL**

## SNAP*Connect*® Tamper-Resistant Isolated Ground Receptacle with Power Indicating LED

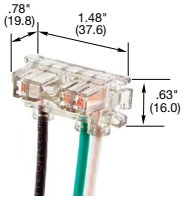
| Description | Color | Catalog Number | |
|---|---|---|---|
| Hospital Grade ● SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex. | Orange | **SNAP8200IGLTRA** | **SNAP8300IGLTRA** |
| | Red | **SNAP8200RIGLTRA** | **SNAP8300RIGLTRA** |
| Hospital Grade ● Style Line® decorator SNAP*Connect*® Tamper-Resistant, isolated ground, smooth face, duplex. | Orange | **SNAP2172IGLTRA** | **SNAP2182IGLTRA** |
| | Red | **SNAP2172RIGLTRA** | **SNAP2182RIGLTRA** |
| Commercial Grade, isolated ground. | Orange | **SNAP5262IGLTRA** | **SNAP5362IGLTRA** |
| Style Line® decorator. | Orange | **SNAP2152IGLTRA** | **SNAP2162IGLTRA** |




**SNAP8300RIGLTRA**

## SNAP*Connect*® Right Angle Pigtailed Connector for General Use

| Description | Solid Wire | Stranded Wire |
|---|---|---|
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2, 600V, Polycarbonate housing material. | **SNAP1RA** | **SNAP2RA** |




**SNAP1RA**

*Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.*

*Dimensions in Inches (mm)*

## Features and Benefits

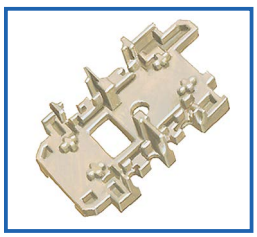


### Straight Blade Isolated Ground Receptacles

In February 1968, Hubbell patented the first isolated ground receptacle. Today —when a clean, noise-free ground is more important than ever—Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

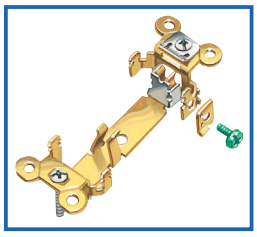
And there's more to the Hubbell line:
- Available in 19 NEMA configurations and a total of 60 different type receptacles.
- Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels almost anywhere.
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, specially the toughest standard of all, the Hubbell standard of excellence.



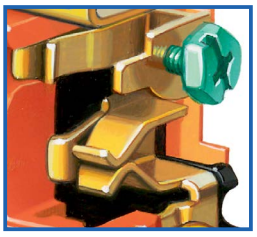
**Housing Design**
- Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance
- Impact-resistant nylon face
- Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors




**Terminals**
- Back and side wiring capability provides easy installation with stranded or solid wire



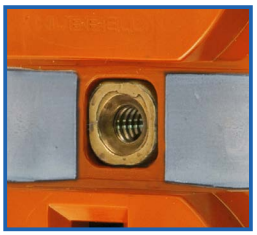
**One-Piece Mounting Strap**
- Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



**Contacts**
- Green grounding screw connected directly to the grounding contacts
- Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap




**Identification**
- IG triangle on the face of the receptacle clearly indicates isolated ground device
- Amperage and voltage clearly indicated



**Center Rivet**
- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

## Hospital Grade ●, HBL® Extra Heavy Duty, Isolated Ground Receptacles

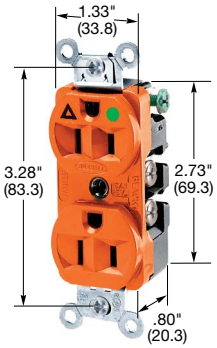



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP




**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws. | Orange<br>Red | **IG8200**<br>**IG8200R** | **IG8300**<br>**IG8300R** |
| Style Line® decorator. | Orange<br>Ivory<br>White | **—**<br>**—**<br>**—** | **IG2182**<br>**IG2182I**<br>**IG2182WA** |
| Flush, thermoplastic polyester face, single. | Orange | **IG8210** | **IG8310** |




**IG8200**

## 15A and 20A, 125V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

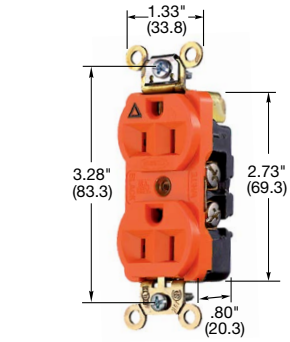



**15A 125V**
**NEMA 5-15R**
UL CSA
0.5 HP

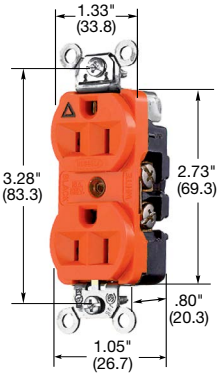



**20A 125V**
**NEMA 5-20R**
UL CSA
1 HP

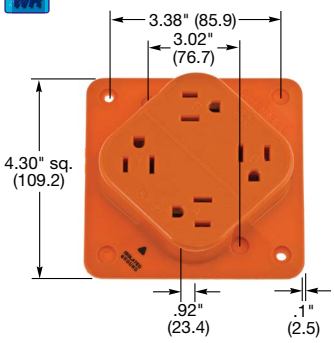
| Description | Color | Catalog Number | |
|---|---|---|---|
| Flush, nylon face, duplex, back and side wired, multiple drive screws. | Orange<br>Gray<br>Ivory<br>Red<br>White | **IG5262**<br>**IG5262GY**<br>**IG5262I**<br>**IG5262R**<br>**—** | **IG5362**<br>**IG5362GY**<br>**IG5362I**<br>**IG5362R**<br>**IG5362W** |
| Weather Resistant, duplex, isolated ground. | Orange<br>Gray<br>Ivory<br>Red<br>White | **IG5262WR**<br>**IG5262GYWR**<br>**IG5262IWR**<br>**IG5262RWR**<br>**—** | **IG5362WR**<br>**IG5362GYWR**<br>**IG5362IWR**<br>**IG5362RWR**<br>**IG5362WWR** |
| Finder groove, nylon face, duplex, back and side wired. | Orange<br>Black<br>Blue<br>Gray<br>Ivory<br>Office White<br>White | **CR5252IG**<br>**CR5252IGBK**<br>**—**<br>**CR5252IGGY**<br>**CR5252IGI**<br>**CR5252IGOW**<br>**CR5252IGW** | **CR5352IG**<br>**CR5352IGBK**<br>**CR5352IGBL**<br>**CR5352IGGY**<br>**CR5352IGI**<br>**CR5352IGOW**<br>**CR5352IGW** |
| Style Line® decorator, flush, nylon face, back and side wired. | Orange<br>Gray | **IG2152**<br>**—** | **IG2162**<br>**IG2162GY** |
| 4-PLEX® receptacle. | Orange | **IG415** | **IG420*** |
| Flush, nylon face, single, back and side wired. | Orange | **IG5261** | **IG5361** |
| Weather Resistant, single, Isolated ground. | Orange | **IG5261WR** | **IG5361WR** |




**IG5262**



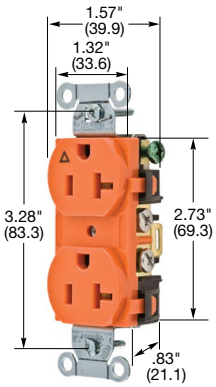

**CR5252IG**




**IG415**

*Note: *Not Fed. Spec. Listed.*
*See page Tech-10 for Weather Resistant description.*
*See page A-47 and A-48 for accessories.*
*See page A-28 for 4-PLEX accessories.*

*Dimensions in Inches (mm)*




IG5352

## Hubbell-PRO Heavy Duty Specification Grade



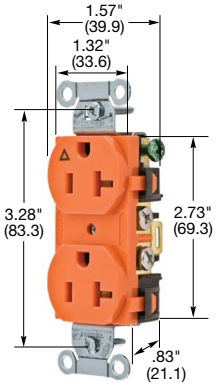

15A 125V
NEMA 5-15R
UL CSA
0.5 HP




20A 125V
NEMA 5-20R
UL CSA
1 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Smooth face, duplex, back and side wired. | Orange | **IG5252** | **IG5352** |
| | Gray | **IG5252GY** | **IG5352GY** |
| | Ivory | **IG5252I** | **IG5352I** |
| | Light Almond | **IG5252LA** | **IG5352LA** |
| | White | **IG5252W** | **IG5352W** |
| Tamper-Resistant, smooth face, duplex, back and side wired. | Orange | **IG5252TR** | **IG5352TR** |
| | Ivory | **IG5252ITR** | **IG5352ITR** |
| | White | **IG5252WTR** | **IG5352WTR** |

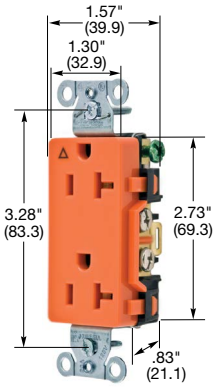
*Note: See page Tech-10 for Tamper-Resistant description.*




IG20CR

## Commercial Specification Grade

| Description | Color | Catalog Number | |
|---|---|---|---|
| Smooth face, duplex, side wired. | Orange | **IG15CR** | **IG20CR** |
| | Gray | **IG15CRGRY** | **IG20CRGRY** |
| | Ivory | **IG15CRI** | **IG20CRI** |
| | Light Almond | **IG15CRLA** | **IG20CRLA** |
| | White | **IG15CRWHI** | **IG20CRWHI** |
| Style Line® decorator; smooth face; back and side wired. | Orange | **IG15DR** | **IG20DR** |
| | Gray | **IG15DRGRY** | **IG20DRGRY** |
| | Ivory | **IG15DRI** | **IG20DRI** |
| | Light Almond | **IG15DRLA** | **IG20DRLA** |
| | White | **IG15DRWHI** | **IG20DRWHI** |




IG20DR

## 15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles

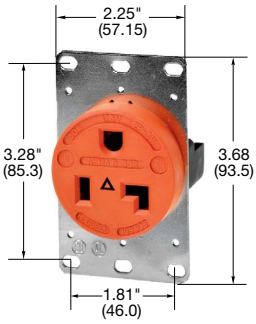



15A 250V
NEMA 6-15R
UL CSA
1.5 HP




20A 250V
NEMA 6-20R
UL CSA
2 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Flush, nylon face, duplex, back and side wired, multiple drive screws. | Orange | **IG5662** | **IG5462** |
| Flush, nylon face, single. | Orange | **IG5661** | **IG5461** |




IG9308

## 30A, 125V and 250V Isolated Ground Receptacles

**IP20**
SUITABILITY




30A 125V
NEMA 5-30R
UL CSA
2 HP




30A 250V
NEMA 6-30R
UL CSA
2 HP

| Description | Color | Catalog Number | |
|---|---|---|---|
| Single receptacle, 2 pole, 3 wire grounding. | Orange | **IG9308** | **IG9330** |

*Dimensions in Inches (mm)*

## Features and Benefits

### Isolated Ground Twist-Lock® Receptacles

Hubbell uses insulation barrier construction to isolate the ground contacts from the mounting strip, providing a clean, noise-free ground for sensitive equipment.




Face color-coding by voltage facilitates locating and mating of proper devices.





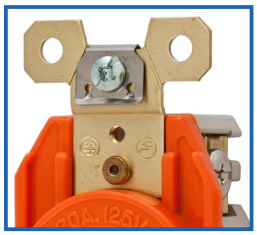

**Housing Design**

- Impact-resistant nylon face
- Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation
- Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength



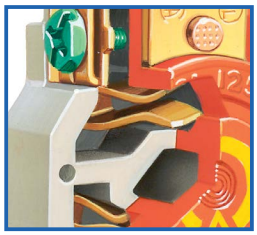
**Terminals**

- Back and side wiring capability provides easy installation with stranded or solid wire



**Mounting Strap**

- All-brass mounting and grounding system provides a low resistance ground path
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



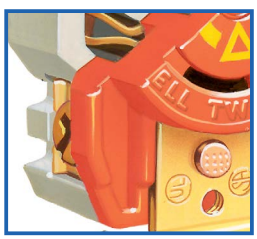
**Contacts**

- Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap
- Wire restraint recess for both back and side wiring reduces terminal loosening
- One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating



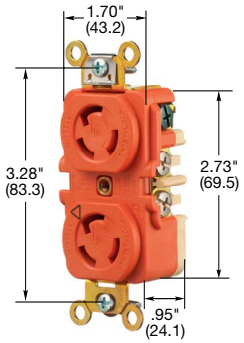
**Identification**

- Color-coding by voltage rating helps ensure mating of proper devices
- Amperage and voltage clearly indicated



**Wiring**

- #10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping
- External back wiring allows visual inspection of terminations




IG4700A

## 15A, 125V and 250V Back and Side Wired



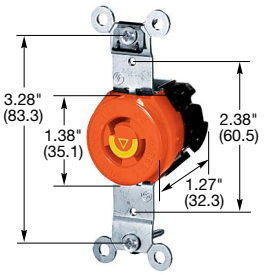

15A 125V
NEMA L5-15R
UL/CSA




15A 250V
NEMA L6-15R
UL/CSA

| Description | Poles/Wires | Color | Catalog Number | |
|---|---|---|---|---|
| Flush, RTP face, duplex. | 2 pole, 3 wire | Orange | **IG4700A*** | **IG4550A*** |
| Flush, RTP face, single. | 2 pole, 3 wire | Orange | **IG4710** | **IG4560** |

*Note: RTP is an abbreviation for reinforced thermoplastic polyester.*
**Supplied with break-off tabs for split circuit wiring.*




IG4710

## 20A, 125V, 250V and 480V AC Back and Side Wired




20A 125V
NEMA L5-20R
UL/CSA
1 HP




20A 250V
NEMA L6-20R
UL/CSA
2 HP




20A 480V AC
NEMA L8-20R
UL/CSA
3 HP

| Description | Poles/Wires | Color | Catalog Number | | |
|---|---|---|---|---|---|
| Flush, nylon face, single. | 2 pole, 3 wire | Orange | **IG2310** | **IG2320** | **IG2340** |

## 30A, 125V and 250V Back and Side Wired

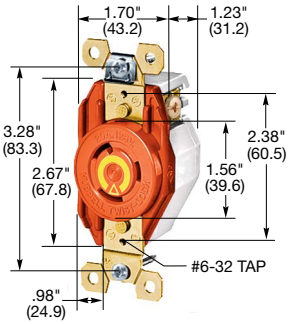



30A 125V
NEMA L5-30R
UL/CSA
2 HP




30A 250V
NEMA L6-30R
UL/CSA
2 HP

| Description | Poles/Wires | Color | Catalog Number | |
|---|---|---|---|---|
| Flush, nylon face, single. | 2 pole, 3 wire | Orange | **IG2610** | **IG2620** |




IG2310

## 20A, 125V/250V and 3Ø 250V AC Back and Side Wired




20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP




20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

| Description | Poles/Wires | Color | Catalog Number | |
|---|---|---|---|---|
| Flush, nylon face, single. | 3 pole, 4 wire | Orange | **IG2410** | **IG2420** |

## 30A, 125V/250V and 3Ø 250V AC Back and Side Wired




30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP




30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

| Description | Poles/Wires | Color | Catalog Number | |
|---|---|---|---|---|
| Flush, nylon face, single. | 3 pole, 4 wire | Orange | **IG2710** | **IG2720** |

## 20A and 30A, 3ØY 120/208V AC Back and Side Wired




20A 3ØY
120/208V AC
NEMA L21-20R
UL/CSA
2 HP




30A 3ØY
120/208V AC
NEMA L21-30R
UL/CSA
3 HP

| Description | Poles/Wires | Color | Catalog Number | |
|---|---|---|---|---|
| Flush, nylon face, single. | 4 pole, 5 wire | Orange | **IG2510** | **IG2810** |

*Dimensions in Inches (mm)*

## Specifications

### Surge Protection Receptacles

| | Part | Duplex | 4-PLEX® |
|---|---|---|---|
| **Typical Specification** | | HBL5262SA/HBL5362SA SNAP5262S/SNAP5362S | HBL4AP |
| Type–2 Pole, 3 Wire, Grounding | Receptacle | 15A/20A | 15A/20A |
| | Top & Base | Nylon | Lexan® |
| | Power Contact | .031" (.8) Brass | .032" (.8) Brass |
| | Contact Design | Tandem Modified Bypass | Triple Wipe |
| Rating–15A, 125V AC/20A, 125V AC | Mounting Strap | .050" (1.3) Steel-Zinc Coated | – |
| Certification–UL Listed File E2186 | Clamping Plate | .031" (.8) Brass | .031" (.8) Brass-Line Terminal Plate |
| Listed to UL Standards 498 Receptacles | | | .031" (.8) Brass-Neutral Terminal Plate |
| Meets UL1449 4th edition | Terminal Screws | Brass #8-32 (HBL only) | Brass #8-32 |
| | Grounding Screw | Steel (Green) (HBL only) | Brass (Green) |
| CSA Certified to Specification C22.2 No. 42 | Auto Grd. Clip | Stainless Steel | .050" (1.3) Ground Plate |
| ANSI/IEEE C62.41 (IEEE 587) | Mounting Screws | Steel-Zinc Plated | Brass |
| Installation Categories “A" (Ring Wave) | LED | Green | Green |
| “B" (Unidirectional Impulse) | Alarm Muting Screw | Nylon | – |

**Performance**

| **Electrical** | **Duplex/SNAP*Connect*®** | | 4-PLEX® | |
|---|---|---|---|---|
| Frequency | 60Hz | | 60Hz | |
| Voltage | 120V AC + 10%–15% | | 20V AC + 10%–15% | |
| Response Time | Approximately 5 ns | | Approximately 5 ns | |
| Protection Modes | Normal & Common Modes | | Normal & Common Modes | |
| Transient Suppression | Peak Energy (10 X 100 µs) | Peak Current (8 X 20 µs) | Peak Energy (10 X 100 µs) | Peak Current (8 X 20 µs) |
| Normal Mode (L-N) | 240 joules | 15000A | 80 joules | 6500A |
| Common Mode (L-G), (N-G) | 240 joules | 15000A | 80 joules | 6500A |
| UL Voltage Protection Rating | 600 L-N, 600 L-G, 1000 N-G | | 600 L-N, 600 L-G, 900 N-G | |
| EMI/RFI Attenuation at 50 Ohms Normal Mode | -40 dB | | | |
| Operating Temperature | 32°F to 140°F (0°C to 60°C) | | -40°F to 140°F (-40°C to 60°C) | |
| Flammability | UL 94V-2 | | UL 94V-2 | |

## Specifications

### 320kA, 160kA and 120kA Service/Branch Panel Protection (Type 1 SPD)

**Electrical Specifications**

| | | | | | Voltage Protection Rating (VPR) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L-N | | L-G | | N-G | | L-L | |
| 320kA Panel | 160kA Panel | SCCR◊ | $I_n$ | MCOV † | 320kA | 160kA | 320kA | 160kA | 320kA | 160kA | 320kA | 160kA |
| **HBL3P320B** | **HBL3P160B** | 200kA | 20kA | 320/160 | 900 | 700 | 900 | 700 | 800 | 600 | 1500 | 1000 |
| **HBL4P320B** | **HBL4P160B** | 200kA | 20kA | 320/160 | 900 | 700 | 900 | 700 | 800 | 600 | 1500 | 1000 |
| **HBL5P320B** | **HBL5P160B** | 200kA | 20kA | 320/160 | N/A | N/A | 1500 | 1200 | N/A | N/A | 2000 | 1500 |
| **HBL6P320B** | **HBL6P160B** | 200kA | 20kA | 320/160 | 1000/1200 | 900/1500 | 900/1200 | 900/1200 | 800 | 700 | 1500 | 1500 |
| **HBL8P320B** | **HBL8P160B** | 200kA | 20kA | 320/160 | 1500 | 1200 | 1500 | 1200 | 1200 | 1200 | 2000 | 2500 |
| **HBL9P320B** | **HBL9P160B** | 200kA | 20kA | 320/160 | N/A | N/A | 1800 | 1800 | N/A | N/A | 2500 | 2500 |
| **HBL10P320B** | **HBL10P160B** | 200kA | 20kA | 320/160 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 2500 | 2500 |
| **HBL11P320B** | **HBL11P160B** | 200kA | 20kA | 320/160 | N/A | N/A | 3000 | 2500 | N/A | N/A | 2500 | 2500 |

*Note: Specification applies to both (B) and (DB) series.*

**Product Specifications**

| | | | |
|---|---|---|---|
| Max. Surge Current per Phase: | 320kA and 160kA | Terminal Accommodation: | #10 AWG to #2 AWG |
| Max. Operating Temperature: | -20°F to 149°F (-4°C to 65°C) | Operating Frequency: | 50/60 Hz |
| Diagnostics Indicators: | Push to Test Diagnostics, Red and Green Status LEDs, Dry Contacts, Audible Alarm and Surge Counter | EMI/RFI: | Up to -30dB |
| | | Housing Rating: | NEMA 1 |
| | | Listing: | cULus UL1449 4th edition type 1 SPD, UL1283 5th edition, CSA C22.2 No. 269.2-13 1st edition, CSA 22.2, No. 8-13, 5th edition. |
| Dimensions: | 11.04"W x 22.44"H x 7.87"D (320kA); 11.04"W x 20.32"H x 5.32"D (160kA) | | |
| Weight: | 37 lbs. Max. (320kA); 27 lbs. Max. (160kA) | | |

### Wired-In Branch Panel Protection 100,000 Peak Amp Capacity (Type 2 SPD)

**Electrical Specifications**

| | | | | Voltage Protection Rating (VPR) | | | |
|---|---|---|---|---|---|---|---|
| Catalog Number | SCCR◊ | $I_n$ | MCOV † | L-N | L-G | N-G | L-L |
| **HBL3W100C** | 200kA | 20kA | 150/270 | 900 | 1200 | 700 | 1500 |
| **HBL4W100C** | 200kA | 20kA | 150/270 | 900 | 1200 | 700 | 1500 |
| **HBL5W100C** | 200kA | 20kA | 300 | N/A | N/A | N/A | 1500 |
| **HBL6W100C** | 200kA | 20kA | 275/150 | 1000 | 1200 | 700 | 1500 |
| **HBL8W100C** | 200kA | 20kA | 320/640 | 1200 | 2000 | 1000 | 2500 |
| **HBL9W100C** | 200kA | 20kA | 640 | N/A | N/A | N/A | 3000 |
| **HBL10W100C** | 200kA | 20kA | 390/780 | 1500 | 2500 | 1500 | 3000 |
| **HBL11W100C** | 200kA | 20kA | 780 | N/A | N/A | N/A | 3000 |

**Product Specifications**

| | | | |
|---|---|---|---|
| Max. Surge Current per Phase: | 100kA | Terminal Accommodation: | #10 AWG 18.0" Wire Leads |
| Max. Operating Temperature: | -40°F to 140°F (-4°C to 60°C) | Operating Frequency: | 50/60 Hz |
| Diagnostics Indicators: | Green Status LEDs. Dry Contacts, Audible Alarm | EMI/RFI: | Up to -30dB |
| | | Housing Rating: | Type 4X |
| Dimensions: | 9.9"W x 4.8"H x 3.1"D | Listing: | cULus UL 1449 4th edition type 2 SPD, UL1283 (Wye prod. only), CSA C22.2 NO. 8-M1986 |
| Weight: | 4.78 lbs | | |
| | | Warranty: | 10 year |

### Wired-In High-Quality Surge Protective Device, Surge Arrestors, Single Phase and Three Phase (Type 2 SPD)

**Electrical Specifications**

| | | | | Voltage Protection Rating (VPR) | | | |
|---|---|---|---|---|---|---|---|
| Catalog Number | SCCR◊ | $I_n$ | MCOV † | L-N | L-G | N-G | L-L |
| **HBL3W50** | 25kA | 10kA | 150 (L-N, L-G), 300 (L-L) | 700 | 800 | N/A | 1200 |
| **HBLSDSA36** | 22kA | 10kA | 150 | 700 | N/A | N/A | 1200 |
| **HBL4SA40** | 200kA | 10kA | 180 (L-N), 360 (L-L) | 700 | N/A | N/A | 1200 |
| **HBL5SA40** | 200kA | 10kA | 360 (L-L) | N/A | N/A | N/A | 1200 |
| **HBL8SA40** | 200kA | 10kA | 420 (L-N), 840 (L-L) | 1500 | N/A | N/A | 2500 |
| **HBL9SA40** | 200kA | 10kA | 840 (L-L) | N/A | N/A | N/A | 2500 |
| **HBL10SA40** | 200kA | 10kA | 510 (L-N), 1020 (L-L) | 1800 | N/A | N/A | 3000 |
| **HBL11SA40** | 200kA | 10kA | 1020 (L-L) | N/A | N/A | N/A | 3000 |

**Product Specifications**

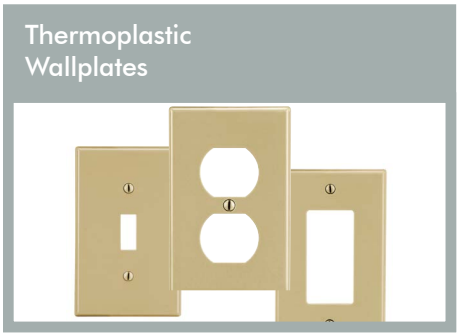
| Service Voltage | Single Phase | Single Phase | Three Phase |
|---|---|---|---|
| Max. Surge Current per Phase: | 50kA | 36kA | 40kA |
| Max. Operating Temperature: | -40°F to 149°F (-40°C to 65°C) | -40°F to 149°F (-40°C to 65°C) | -40°F to 149°F (-40°C to 65°C) |
| Diagnostics Indicators: | Green Status LED per line | Green Status LED per line | Green Status LED per line |
| Dimensions: | 3.0"W x 3.6"H x 2.67"D | 2.25"W x 2.25"H x 1.94"D | 3.60"W x 3.0"H x 2.64"D |
| Weight: | 1.8 lbs. | .72 lbs. | 1.8 lbs. |
| Terminal Accommodation: | #12 AWG Wire Leads | #14 AWG Wire Leads | #12 AWG Wire Leads |
| Frequency: | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| EMI/RFI: | Up to -30dB | Up to -30dB | Up to -30dB |
| Housing Rating: | Type 4X | Type 4X | Type 4X |
| Listing: | UL1449 4th edition | UL1449 4th edition | UL1449 4th edition |
| Warranty: | 10 year | 2 year | 2 year |

◊SCCR: Short Circuit Current Rating | † MCOV: Maximum Continuous Operating Voltage | ‡ In: Nominal discharge current

# SECTION N

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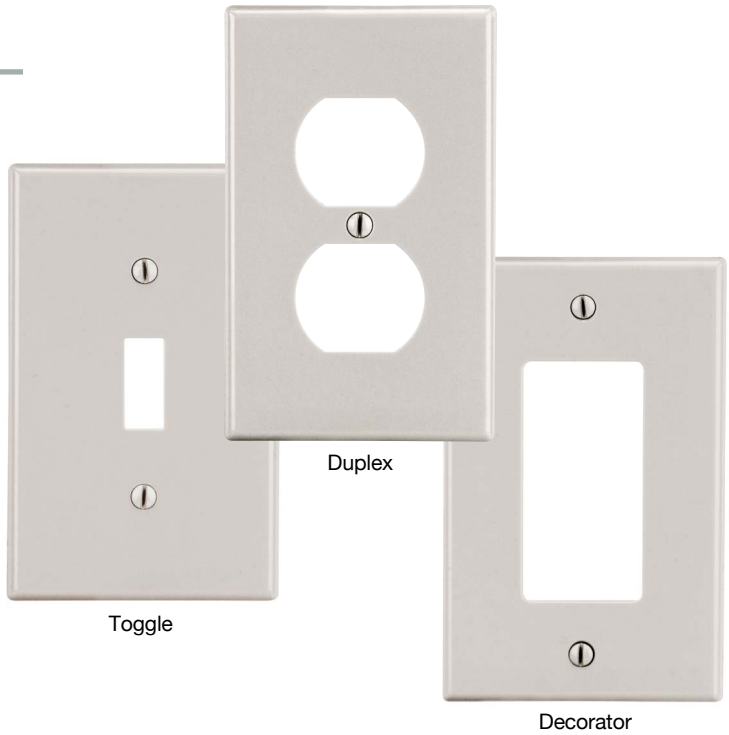
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## Features and Benefits

### Non-metallic Wallplates

Hubbell's line of polycarbonate wallplates features larger standard sized wallplates to provide extra coverage to hide rough box opening, improved aesthetics, greater strength, impact resistance, along with easy to clean finish in all different types of environments.

- Standard size is ⅛ inch larger to give you extra coverage to hide rough box openings. Also available in mid-size, jumbo and pre-marked
- Smooth satin finish, blends into the wall
- More rigid, sharper lines
- Captive screw feature holds mounting screw in place for quick and easy installation, single gang
- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments
- cULus listed

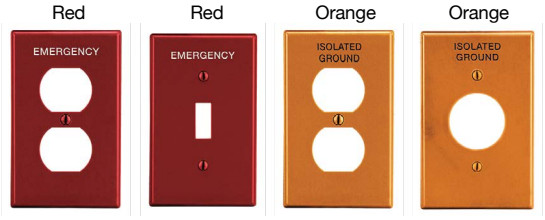



Hubbell's standard sized wallplates are ⅛ inch larger to provide you that extra coverage to hide rough box openings. The depth is ¼ inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work. See page N-32 for details and dimensions.

### Non-metallic Wallplates




### Non-metallic Pre-Marked Wallplates




### Metal Wallplates




### Pre-Marked



## Features and Benefits

### Stainless Steel Wallplates

Provide solutions for a variety of industrial and commercial applications.

**302/304 Type Stainless Steel**
Non-magnetic: 18.0% Chromium
8.0% Nickel

- Ideal for highly corrosive environments such as hospitals, food processing, static free requirements and more
- Environments subjected to heavy abuse

**430 Type Stainless Steel**
Magnetic: 17.0% Chromium
Less than 0.5% Nickel

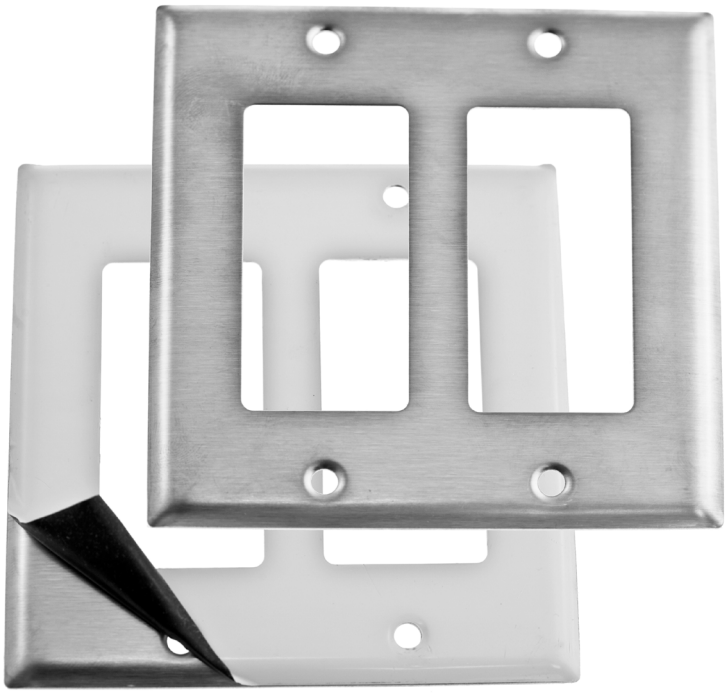
- Aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical
- Standard commercial use

**Smooth Solid Brass**

- Provides a plush appearance with the durability of metal
- Finish is lacquer coated to inhibit oxidation

**Anodized Aluminum**

- Non-magnetic and corrosion resistance for a wide range of applications
- Finish is lacquer coated to inhibit oxidation



Decorator
(Protective plastic film helps to prevent scratches and damage)



### Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Die-cast aluminum construction
- Powder coated “chip resistant” paint corrosion protection
- Unique plug management provision for securing device and cord

### 2023 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

**406.9 Receptacles in Damp or Wet Locations.**
**(B) Wet Locations**
**(1) Receptacles of 15 and 20 Amperes in a Wet Location.** Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as “extra-duty.” Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked “extra-duty.”

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.

**(2) Other Receptacles.** All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

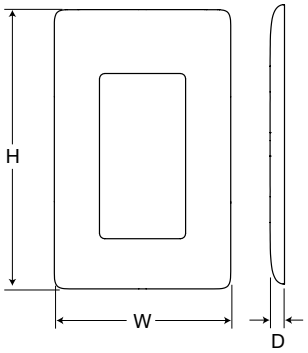
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

## Snap-On Screwless Wallplates

- Clean, elegant look
- No visible screws
- Snap-on wallplate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on wallplate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

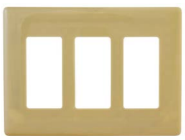
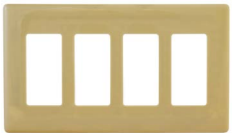



Snap-On Wallplate



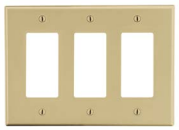
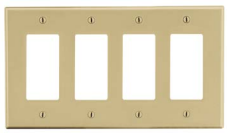
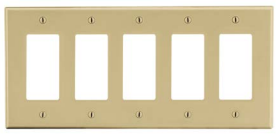
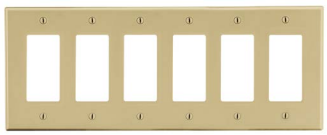

| Gang | Height (H) | Width (W) | Depth (D) |
|---|---|---|---|
| 1 | 4.75" (120.6) | 3.00" (76.2) | .25" (6.35) |
| 2 | 4.75" (120.6) | 4.81" (122.2) | .25" (6.35) |
| 3 | 4.75" (120.6) | 6.62" (168.2) | .25" (6.35) |
| 4 | 4.75" (120.6) | 8.44" (214.3) | .25" (6.35) |

## Snap-On Screwless Wallplates

| Description | | Color | Decorator Catalog Number | Toggle Catalog Number |
|---|---|---|---|---|
| 1-Gang, 1-Decorator | 1-Gang, 1-Toggle | Ivory | **NPS26I** | **NPS1I** |
|  |  | Light Almond | **NPS26LA** | **NPS1LA** |
| | | White | **NPS26W** | **NPS1W** |
| 2-Gang, 2-Decorator | 2-Gang, 2-Toggle | Ivory | **NPS262I** | **NPS2I** |
|  |  | Light Almond | **NPS262LA** | **NPS2LA** |
| | | White | **NPS262W** | **NPS2W** |
| 3-Gang, 3-Decorator | 3-Gang, 3-Toggle | Ivory | **NPS263I** | **NPS3I** |
|  |  | Light Almond | **NPS263LA** | **NPS3LA** |
| | | White | **NPS263W** | **NPS3W** |
| 4-Gang, 4-Decorator | | Ivory | **NPS264I** | – |
|  | | Light Almond | **NPS264LA** | – |
| | | White | **NPS264W** | – |
| 1-Gang, 1-Duplex | | Ivory | **NPS8I** | – |
|  | | Light Almond | **NPS8LA** | – |
| | | White | **NPS8W** | – |

*Dimensions in Inches (mm)*

## GFCI, USB, Surge Receptacles and Style Line® Device Wallplates

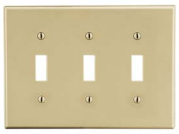
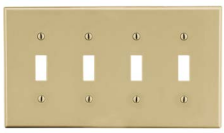
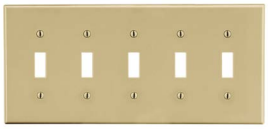
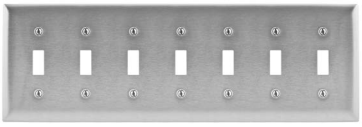
| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Thermoplastic Jumbo | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
| 1-Gang, 1-Decorator  | Black | **P26BK** | **PJ26BK** | **–** | Aluminum | ① |
| | Blue | **–** | **PJ26BL** | **–** | Brass | **SB26** |
| | Brown | **P26** | **PJ26** | **–** | Brass Plated | **SBP26** |
| | Gray | **P26GY** | **PJ26GY** | **–** | Chrome | **SCH26** |
| | Ivory | **P26I** | **PJ26I** | **JJ26I** | S/S 302/304 | **SS26** |
| | Light Almond | **P26LA** | **PJ26LA** | **JJ26LA** | S/S 430 | **SS26L** |
| | Red | **P26R** | **PJ26R** | **–** | | |
| | White | **P26W** | **PJ26W** | **JJ26W** | | |
| 2-Gang, 2-Decorator  | Black | **P262BK** | **PJ262BK** | **–** | Aluminum | ① |
| | Brown | **P262** | **PJ262** | **–** | Brass | **SB262** |
| | Gray | **P262GY** | **PJ262GY** | **–** | Brass Plated | **SBP262** |
| | Ivory | **P262I** | **PJ262I** | **–** | Chrome | **SCH262** |
| | Light Almond | **P262LA** | **PJ262LA** | **–** | S/S 302/304 | **SS262** |
| | Red | **P262R** | **PJ262R** | **–** | S/S 430 | **SS262L** |
| | White | **P262W** | **PJ262W** | **–** | | |
| 3-Gang, 3-Decorator  | Black | **P263BK** | **PJ263BK** | **–** | Aluminum | ① |
| | Brown | **P263** | **PJ263** | **–** | Brass | ① |
| | Gray | **P263GY** | **PJ263GY** | **–** | Brass Plated | **SBP263** |
| | Ivory | **P263I** | **PJ263I** | **–** | Chrome | ① |
| | Light Almond | **P263LA** | **PJ263LA** | **–** | S/S 302/304 | **SS263** |
| | Red | **P263R** | **–** | **–** | | |
| | White | **P263W** | **PJ263W** | **–** | | |
| 4-Gang, 4-Decorator  | Black | **P264BK** | **–** | **–** | Aluminum | ① |
| | Brown | **P264** | **–** | **–** | Brass | ① |
| | Gray | **P264GY** | **–** | **–** | Brass Plated | ① |
| | Ivory | **P264I** | **PJ264I** | **–** | Chrome | ① |
| | Light Almond | **P264LA** | **PJ264LA** | **–** | S/S 302/304 | **SS264** |
| | White | **P264W** | **PJ264W** | **–** | | |
| 5-Gang, 5-Decorator  | Gray | **P265GY** | **–** | **–** | Aluminum | ① |
| | Ivory | **P265I** | **–** | **–** | Brass | ① |
| | Light Almond | **P265LA** | **–** | **–** | Brass Plated | ① |
| | White | **P265W** | **–** | **–** | Chrome | ① |
| | | | | | S/S 302/304 | **SS265** |
| 6-Gang, 6-Decorator  | Black | **P266BK** | **–** | **–** | Aluminum | ① |
| | Brown | **P266** | **–** | **–** | Brass | ① |
| | Gray | **P266GY** | **–** | **–** | Brass Plated | ① |
| | Ivory | **P266I** | **–** | **–** | Chrome | ① |
| | Light Almond | **P266LA** | **–** | **–** | S/S 302/304 | **SS266** |
| | White | **P266W** | **–** | **–** | | |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

## Toggle Switch Wallplates

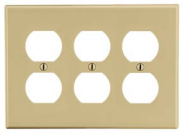
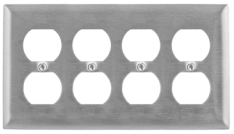
| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Thermoplastic Jumbo | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
| 1-Gang, 1-Toggle  | Black | **P1BK** | **PJ1BK** | **–** | Aluminum | **SA1** |
| | Brown | **P1** | **PJ1** | **–** | Brass | **SB1** |
| | Gray | **P1GY** | **PJ1GY** | **–** | Brass Plated | **SBP1** |
| | Ivory | **P1I** | **PJ1I** | **NPJJ1I** | Chrome | **SCH1** |
| | Light Almond | **P1LA** | **PJ1LA** | **NPJJ1LA** | S/S 302/304 | **SS1** |
| | Red | **P1R** | **PJ1R** | **–** | S/S 430 | **SS1L** |
| | White | **P1W** | **PJ1W** | **NPJJ1W** | | |
| 2-Gang, 2-Toggle  | Black | **P2BK** | **–** | **–** | Aluminum | **SA2** |
| | Brown | **P2** | **PJ2** | **–** | Brass | **SB2** |
| | Gray | **P2GY** | **PJ2GY** | **–** | Brass Plated | **SBP2** |
| | Ivory | **P2I** | **PJ2I** | **NPJJ2I** | Chrome | **SCH2** |
| | Light Almond | **P2LA** | **PJ2LA** | **NPJJ2LA** | S/S 302/304 | **SS2** |
| | Red | **P2R** | **–** | **–** | S/S 430 | **SS2L** |
| | White | **P2W** | **PJ2W** | **NPJJ2W** | | |
| 3-Gang, 3-Toggle  | Black | **P3BK** | **–** | **–** | Aluminum | ① |
| | Brown | **P3** | **–** | **–** | Brass | **SB3** |
| | Gray | **P3GY** | **PJ3GY** | **–** | Brass Plated | **–** |
| | Ivory | **P3I** | **PJ3I** | **–** | Chrome | **SCH3** |
| | Light Almond | **P3LA** | **PJ3LA** | **–** | S/S 302/304 | **SS3** |
| | Red | **–** | **PJ3R** | **–** | S/S 430 | **SS3L** |
| | White | **P3W** | **PJ3W** | **–** | | |
| 4-Gang, 4-Toggle  | Black | **P4BK** | **–** | **–** | Aluminum | ① |
| | Brown | **P4** | **–** | **–** | Brass | **SB4** |
| | Gray | **P4GY** | **–** | **–** | Brass Plated | **–** |
| | Ivory | **P4I** | **PJ4I** | **–** | Chrome | ① |
| | Light Almond | **P4LA** | **PJ4LA** | **–** | S/S 302/304 | **SS4** |
| | White | **P4W** | **PJ4W** | **–** | S/S 430 | **–** |
| 5-Gang, 5-Toggle  | Gray | **P5GY** | **–** | **–** | Aluminum | ① |
| | Ivory | **P5I** | **–** | **–** | Brass | **SB5** |
| | Light Almond | **P5LA** | **–** | **–** | Brass Plated | ① |
| | White | **P5W** | **–** | **–** | Chrome | ① |
| | | | | | S/S 302/304 | **SS5** |
| | | | | | S/S 430 | **–** |
| 6-Gang, 6-Toggle  | Gray | **P6GY** | **–** | **–** | Aluminum | ① |
| | Ivory | **P6I** | **–** | **–** | Brass | **SB6** |
| | Light Almond | **P6LA** | **–** | **–** | Brass Plated | ① |
| | White | **P6W** | **–** | **–** | Chrome | ① |
| | | | | | S/S 302/304 | **SS6** |
| | | | | | S/S 430 | **–** |
| 7-Gang, 7-Toggle  | | | | | Aluminum | ① |
| | | | | | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS607** |
| 8-Gang, 8-Toggle  | | | | | Aluminum | ① |
| | | | | | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS608** |
| 2-Gang, 1-Toggle  | | | | | Aluminum | **–** |
| | | | | | Brass | **–** |
| | | | | | Brass Plated | **–** |
| | | | | | Chrome | **–** |
| | | | | | S/S 302/304 | **SS740** |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

## Duplex Receptacle Wallplates

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Thermoplastic Jumbo | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
| 1-Gang, 1-Duplex  | Black | **P8BK** | **PJ8BK** | **–** | Aluminum | **SA8** |
| | Blue | **–** | **PJ8BL** | **–** | Brass | **SB8** |
| | Brown | **P8** | **PJ8** | **–** | Brass Plated | **SBP8** |
| | Gray | **P8GY** | **PJ8GY** | **–** | Chrome | **SCH8** |
| | Ivory | **P8I** | **PJ8I** | **NPJJ8I** | S/S 302/304 | **SS8** |
| | Light Almond | **P8LA** | **PJ8LA** | **NPJJ8LA** | S/S 430 | **SS8L** |
| | Orange | **P8OR** | **–** | **–** | | |
| | Red | **P8R** | **PJ8R** | **–** | | |
| | White | **P8W** | **PJ8W** | **NPJJ8W** | | |
| 2-Gang, 2-Duplex  | Black | **P82BK** | **PJ82BK** | **–** | Aluminum | **SA82** |
| | Brown | **P82** | **–** | **–** | Brass | **SB82** |
| | Gray | **P82GY** | **PJ82GY** | **–** | Brass Plated | **SBP82** |
| | Ivory | **P82I** | **PJ82I** | **–** | Chrome | **SCH82** |
| | Light Almond | **P82LA** | **PJ82LA** | **–** | S/S 302/304 | **SS82** |
| | Orange | **P82OR** | **–** | **–** | S/S 430 | **SS82L** |
| | Red | **P82R** | **PJ82R** | **–** | | |
| | White | **P82W** | **PJ82W** | **–** | | |
| 3-Gang, 3-Duplex  | Ivory | **P83I** | **–** | **–** | Aluminum | ① |
| | White | **P83W** | **–** | **–** | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS83** |
| | | | | | S/S 430 | **–** |
| 4-Gang, 4-Duplex  | | | | | Aluminum | ① |
| | | | | | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS84** |
| | | | | | S/S 430 | **–** |
| 2-Gang, 1-Duplex  | | | | | Brass | **–** |
| | | | | | Brass Plated | **–** |
| | | | | | Chrome | **–** |
| | | | | | S/S 302/304 | **SS748** |
| | | | | | S/S 430 | **–** |

## Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

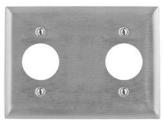
| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Thermoplastic Jumbo | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
| 1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole  | Black | **P7BK** | **–** | **–** | Aluminum | **SA7** |
| | Brown | **P7** | **–** | **–** | Brass | **SB7** |
| | Gray | **P7GY** | **–** | **–** | Brass Plated | **SBP7** |
| | Ivory | **P7I** | **PJ7I** | **–** | Chrome | **SCH7** |
| | Light Almond | **P7LA** | **PJ7LA** | **–** | S/S 302/304 | **SS7** |
| | Red | **P7R** | **–** | **–** | S/S 430 | **SS7L** |
| | White | **P7W** | **PJ7W** | **–** | | |
| 2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole  | | | | | Aluminum | **–** |
| | | | | | Brass | **–** |
| | | | | | Brass Plated | **–** |
| | | | | | Chrome | **–** |
| | | | | | S/S 302/304 | **SS747** |
| | | | | | S/S 430 | **–** |
| 2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole  | | | | | Aluminum | ① |
| | | | | | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS72** |
| | | | | | S/S 430 | **–** |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

## Single 20/30A Twist-Lock® Receptacle Wallplates

| Description | | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
|  | 1-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole | Black | **P720BK** | – | Aluminum | – |
| | | Brown | **P720** | – | Brass | **SB720** |
| | | Gray | **P720GY** | – | Brass Plated | ① |
| | | Ivory | **P720I** | – | Chrome | ① |
| | | Red | **P720R** | – | S/S 302/304 | **SS720** |
| | | White | **P720W** | – | | |
|  | 1-Gang, 1-Single, 1.74 in. (44.2) Dia. Hole | | | | Aluminum | – |
| | | | | | Brass | – |
| | | | | | Brass Plated | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS725** |
|  | 2-Gang, 1-Single, 1.60 in. (40.6) Dia.Hole | | | | Aluminum | – |
| | | | | | Brass | – |
| | | | | | Brass Plated | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS749** |
|  | 3-Gang, 2-Single, 1.60 in. (40.6) Dia. Hole | | | | Aluminum | ① |
| | | | | | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS320** |

## Single Receptacle Wallplates

| Description | | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
|  | 1-Gang, 1-Single, 1.97 in. (50.0) Dia. Hole | | | | Aluminum | – |
| | | | | | Brass | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS737** |
|  | 1-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole | Black | **P724BK** | **PJ724BK** | Aluminum | – |
| | | Ivory | **P724I** | **PJ724I** | Brass | ① |
| | | White | **P724W** | **PJ724W** | Brass Plated | ① |
| | | | | | Chrome | **SCH723** |
| | | | | | S/S 302/304 | **SS723** |
|  | 2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole | | | | Aluminum | – |
| | | | | | Brass | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS702** |
|  | 2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole | Black | **P703BK** | **PJ703BK** | Aluminum | – |
| | | Ivory | **P703I** | **PJ703I** | Brass | – |
| | | White | **P703W** | **PJ703W** | Brass Plated | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS703** |
| | | | | | S/S 430 | **SS703L** |
|  | 2-Gang, 1-Single, 2.48 in. (63.0) Dia. Hole | | | | Aluminum | – |
| | | | | | Brass | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS701** |
|  | 2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole | | | | Aluminum | – |
| | | | | | Brass | – |
| | | | | | Chrome | – |
| | | | | | S/S 302/304 | **SS716** |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

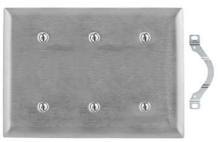
*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

## Blank Wallplates, Box Mount

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Thermoplastic Jumbo | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
| 1-Gang, 1-Blank, Box Mount  | Black | **P13BK** | **PJ13BK** | **–** | Aluminum | **SA13A** |
| | Brown | **P13** | **PJ13** | **–** | Brass | **SB13** |
| | Gray | **P13GY** | **PJ13GY** | **–** | Brass Plated | **–** |
| | Ivory | **P13I** | **PJ13I** | **NPJJ13I** | Chrome | **SCH13** |
| | Light Almond | **P13LA** | **PJ13LA** | **NPJJ13LA** | S/S 302/304 | **SS13** |
| | White | **P13W** | **PJ13W** | **NPJJ13W** | S/S 430 | **SS13L** |
| 2-Gang, 2-Blank, Box Mount  | Black | **P23BK** | **–** | **–** | Aluminum | **SA23** |
| | Brown | **P23** | **PJ23** | **–** | Brass | **SB23** |
| | Gray | **P23GY** | **–** | **–** | Brass Plated | ① |
| | Ivory | **P23I** | **PJ23I** | **–** | Chrome | **SCH23** |
| | Light Almond | **P23LA** | **PJ23LA** | **–** | S/S 302/304 | **SS23** |
| | White | **P23W** | **PJ23W** | **–** | | |
| 3-Gang, 3-Blank, Box Mount  | Ivory | **P33I** | **–** | **–** | Aluminum | ① |
| | White | **P33W** | **–** | **–** | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS33** |
| 4-Gang, 4-Blank, Box Mount  | Ivory | **P43I** | **–** | **–** | Aluminum | ① |
| | White | **P43W** | **–** | **–** | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS43** |

## Blank Wallplates, Strap Mount

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Thermoplastic Jumbo | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
| 1-Gang, 1-Blank, Strap Mount  | Black | **P14BK** | **–** | **–** | Aluminum | ① |
| | Brown | **P14** | **–** | **–** | Brass | **SB14** |
| | Gray | **P14GY** | **–** | **–** | Brass Plated | ① |
| | Ivory | **P14I** | **–** | **–** | Chrome | ① |
| | Light Almond | **P14LA** | **–** | **–** | S/S 302/304 | **SS14** |
| | Red | **P14R** | **–** | **–** | | |
| | White | **P14W** | **–** | **–** | | |
| 2-Gang, 2-Blank, Strap Mount  | Black | **P24BK** | **–** | **–** | Aluminum | ① |
| | Brown | **P24** | **–** | **–** | Brass | ① |
| | Gray | **P24GY** | **–** | **–** | Brass Plated | ① |
| | Ivory | **P24I** | **–** | **–** | Chrome | ① |
| | Light Almond | **P24LA** | **–** | **–** | S/S 302/304 | **SS24** |
| | Red | **P24R** | **–** | **–** | | |
| | White | **P24W** | **–** | **–** | | |
| 3-Gang, 3-Blank, Strap Mount  | | | | | Aluminum | ① |
| | | | | | Brass | ① |
| | | | | | Brass Plated | ① |
| | | | | | Chrome | ① |
| | | | | | S/S 302/304 | **SS34** |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

## Combination Wallplates, 2-Gang

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 2-Gang, 1-Toggle, 1-Duplex  | Brown | **P18** | **–** | Aluminum | ① |
| | Gray | **P18GY** | **PJ18GY** | Brass | **SB18** |
| | Ivory | **P18I** | **PJ18I** | Brass Plated | **–** |
| | Light Almond | **P18LA** | **PJ18LA** | Chrome | **SCH18** |
| | White | **P18W** | **PJ18W** | S/S 302/304 | **SS18** |
| 2-Gang, 1-Duplex, 1-Decorator  | Black | **P826BK** | **PJ826BK** | Aluminum | ① |
| | Brown | **P826** | **PJ826** | Brass | **SB826** |
| | Gray | **P826GY** | **PJ826GY** | Brass Plated | ① |
| | Ivory | **P826I** | **PJ826I** | Chrome | ① |
| | Light Almond | **P826LA** | **PJ826LA** | S/S 302/304 | **SS826** |
| | White | **P826W** | **PJ826W** | | |
| 2-Gang, 1-Toggle, 1-Decorator  | Black | **P126BK** | **–** | Aluminum | ① |
| | Brown | **P126** | **PJ126** | Brass | **SB126** |
| | Gray | **P126GY** | **PJ126GY** | Brass Plated | **–** |
| | Ivory | **P126I** | **PJ126I** | Chrome | ① |
| | Light Almond | **P126LA** | **PJ126LA** | S/S 302/304 | **SS126** |
| | White | **P126W** | **PJ126W** | | |
| 2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex  | Ivory | **P78I** | **–** | Aluminum | ① |
| | White | **P78W** | **–** | Brass | ① |
| | | | | Brass Plated | ① |
| | | | | Chrome | ① |
| | | | | S/S 302/304 | **SS78** |
| 2-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole, 1-Duplex  | | | | Aluminum | ① |
| | | | | Brass | ① |
| | | | | Brass Plated | ① |
| | | | | Chrome | ① |
| | | | | S/S 302/304 | **SS8720** |
| 2-Gang, 1-Toggle, 1-Blank Box Mount  | Brown | **–** | **PJ113** | Aluminum | ① |
| | Gray | **P113GY** | **–** | Brass | ① |
| | Ivory | **P113I** | **PJ113I** | Brass Plated | ① |
| | Light Almond | **P113LA** | **–** | Chrome | ① |
| | White | **P113W** | **PJ113W** | S/S 302/304 | **SS113** |
| 2-Gang, 1-Toggle, 1-Blank Strap Mount  | | | | Aluminum | ① |
| | | | | Brass | ① |
| | | | | Brass Plated | ① |
| | | | | Chrome | ① |
| | | | | S/S 302/304 | **SS114** |
| 2-Gang, 1-Blank, 1-Decorator Box Mount  | Black | **P1326BK** | **–** | Aluminum | ① |
| | Gray | **P1326GY** | **–** | Brass | ① |
| | Ivory | **P1326I** | **PJ1326I** | Brass Plated | ① |
| | Light Almond | **P1326LA** | **PJ1326LA** | Chrome | ① |
| | White | **P1326W** | **PJ1326W** | S/S 302/304 | **SS1426*** |

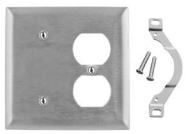
*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

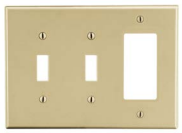
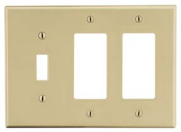
**Strap Mount.*

*Dimensions in Inches (mm)*

## Combination Wallplates, 2-Gang

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 2-Gang, 1-Blank, 1-Duplex Box Mount  | Gray | **P138GY** | **–** | Aluminum | ① |
| | Ivory | **P138I** | **–** | Brass | ① |
| | Light Almond | **P138LA** | **–** | Brass Plated | ① |
| | White | **P138W** | **–** | Chrome | ① |
| | | | | S/S 302/304 | **SS138** |
| 2-Gang, 1-Blank, 1-Duplex Strap Mount  | | | | Aluminum | ① |
| | | | | Brass | ① |
| | | | | Brass Plated | ① |
| | | | | Chrome | ① |
| | | | | S/S 302/304 | **SS148** |

## Combination Wallplates, 3-Gang

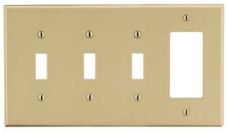
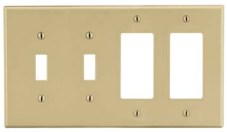
| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 3-Gang, 2-Toggle, 1-Duplex  | Brown | **P28** | **–** | Aluminum | ① |
| | Gray | **P28GY** | **–** | Brass | ① |
| | Ivory | **P28I** | **PJ28I** | Brass Plated | ① |
| | Light Almond | **P28LA** | **PJ28LA** | Chrome | ① |
| | White | **P28W** | **PJ28W** | S/S 302/304 | ① |
| 3-Gang, 2-Toggle, 1-Decorator  | Black | **P226BK** | **–** | Aluminum | ① |
| | Brown | **P226** | **–** | Brass | ① |
| | Gray | **P226GY** | **–** | Brass Plated | ① |
| | Ivory | **P226I** | **PJ226I** | Chrome | ① |
| | Light Almond | **P226LA** | **PJ226LA** | S/S 302/304 | **SS226** |
| | White | **P226W** | **PJ226W** | | |
| 3-Gang, 1-Toggle, 2-Decorator  | Ivory | **P1262I** | **–** | Aluminum | ① |
| | Light Almond | **P1262LA** | **–** | Brass | ① |
| | White | **P1262W** | **–** | Brass Plated | ① |
| | | | | Chrome | ① |
| | | | | S/S 302/304 | ① |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*

*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

## Combination Wallplates, 4-Gang

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 4-Gang, 3-Toggle, 1-Decorator  | Black | **P326BK** | – | Aluminum | ① |
| | Brown | **P326** | – | Brass | ① |
| | Gray | **P326GY** | – | Brass Plated | ① |
| | Ivory | **P326I** | – | Chrome | ① |
| | Light Almond | **P326LA** | – | S/S 302/304 | **SS326** |
| | White | **P326W** | – | | |
| 4-Gang, 2-Toggle, 2-Decorator  | Ivory | **P2262I** | – | Aluminum | ① |
| | Light Almond | **P2262LA** | – | Brass | ① |
| | White | **P2262W** | – | Brass Plated | ① |
| | | | | Chrome | ① |
| | | | | S/S 302/304 | ① |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*
*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

## Specifications

| Listings | |
|---|---|
| Non-Metallic Wallplates | UL Standard 514D |
| Metallic Wallplates | UL Standard 514D |
| Certification | UL Files #E31999,E92074<br>CSA Standard C22.2 No. 42.1<br>CSA File 1733174 |

| Product | Thickness | Mounting Screw(s) | Appearance |
|---|---|---|---|
| Thermoplastic Wallplate | .07 in. (1.8) | Steel (painted slotted screw head). | Smooth satin finish. |
| 302/304 Stainless Steel Wallplate (18% Chromium, 8% Nickel) | .035 in. (0.9) nominal | 302/304 stainless steel (18% chromium, 8% nickel). Slotted screw head. | Horizontal brushed finish. |
| 430 Stainless Steel Wallplate (17% Chromium, less than 0.5% Nickel) | .035 in. (0.9) nominal | 302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head. | Horizontal brushed finish. |
| Brass Wallplate (70% Copper, 30% Zinc) | .04 in. (1.0) | Brass (70% Coppper,30% Zinc). Slotted screw head. | Horizontal brushed finish. |
| Aluminum Wallplate | .05 in. (1.3) | 302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head. | Horizontal brushed finish. |
| Brass Plated Steel Wallplate | .03 in. (0.8) nominal | Brass slotted head. | Polished, coated to inhibit oxidation. |
| Chrome Plated Steel Wallplate | .03 in. (0.8) nominal | 302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head. | Polished, coated to inhibit oxidation. |
| Steel Painted Wallplate | .03 in. (0.8) nominal | Steel (painted slotted screw head). | Powder coat paint. |

*Dimensions in Inches (mm)*

## Telephone and Coaxial Wallplates

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount  | Ivory<br>Light Almond<br>White | **P11I**<br>**P11LA**<br>**P11W** | **PJ11I**<br>**PJ11LA**<br>**PJ11W** | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | ①<br>①<br>①<br>①<br>**SS11*** |
| 1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount  | | | | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | ①<br>–<br>–<br>–<br>**SS12*** |
| 1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount  | Ivory<br>White | **P737I**<br>**P737W** | –<br>– | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | –<br>–<br>–<br>–<br>– |
| 1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount  | | | | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | ①<br>①<br>①<br>①<br>**SS739** |
| 1-Gang, 1-Tel .380 in. (9.7) Hole, Strap Mount  | | | | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304, | ①<br>①<br>①<br>①<br>**SS738** |

*Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.*
*①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*
** .50" (12.7) I.D. nylon bushing provided.*

## Louver Wallplate, 1-Gang, Box Mount

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 1-Gang, Vertical Mounted Louver  | | | | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304<br>S/S 430 | ①<br>–<br>–<br>①<br>**SS771**<br>– |

*Note: ①Available as a custom wallplate, see pages N-32 to N-34. Consult custom wallplates section for additional openings and combinations.*

*Dimensions in Inches (mm)*

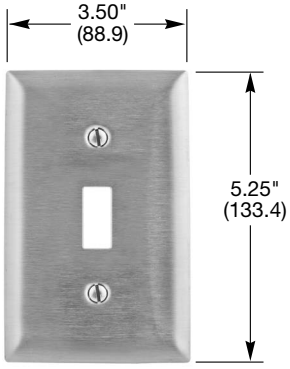
## Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

| Configuration | Catalog Number |
|---|---|
| 1-Gang, 1-Toggle  | **SSJ1** |
| 1-Gang, 1-Duplex  | **SSJ8** |
| 1-Gang, 1-Decorator  | **SSJ26** |
| 1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) dia. face  | **SSJ7** |
| 1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) dia. face  | **SSJ723** |
| 1-Gang, 1-Blank, box mount  | **SSJ13** |
| 1-Gang, 1-Telephone opening, 0.640 in. (16.3) box mount  | **SSJ11*** |

| Configuration | Catalog Number |
|---|---|
| 2-Gang, 2-Toggle  | **SSJ2** |
| 2-Gang, 2-Duplex  | **SSJ82** |
| 2-Gang, 2-Decorator  | **SSJ262** |
| 2-Gang, 1-Toggle, 1-Duplex  | **SSJ18** |
| 2-Gang, 1-Toggle, 1-Decorator  | **SSJ126** |
| 2-Gang, 2-Blank, box mount  | **SSJ23** |

*Note: *.50 in. (12.7) I.D. nylon bushing provided.*
*Specifications are subject to change without notice.*

*Oversize dimensions (see page N-32 for more details).*
*1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).*
*2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).*




**Jumbo Wallplate**

*Dimensions in Inches (mm)*

## Pre-Marked "EMERGENCY" Wallplates

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 1-Gang, 1-Duplex, paint filled white lettering   | Red | – | **PJ8RMEV** | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | –<br>–<br>–<br>–<br>**SS8MEV** |
| 1-Gang, 1-Toggle, paint filled white lettering   | Red | – | **PJ1RME** | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | –<br>–<br>–<br>–<br>**SS1ME** |
| 2-Gang, 2 Duplex, paint filled red lettering   | | | | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304 | –<br>–<br>–<br>–<br>**SS82MEV** |

*Note: See page N-30 for Mid-Size wallplate dimensions.*
*All lettering .25 in. (6.3) high.*

## Pre-Marked "ISOLATED GROUND" Wallplates

| Description | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|
| 1-Gang, 1-Duplex, paint filled black   | Orange | **P8OIG** | – | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304<br>S/S 430 | –<br>–<br>–<br>–<br>–<br>– |
| 1-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. face, paint filled black   | Orange | **P7OIG** | – | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304<br>S/S 430 | –<br>–<br>–<br>–<br>–<br>– |
| 1-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole for 20 and 30A Twist-Lock® with 1.55–1.58 in. (39.4–40.1) Dia. face, paint filled black   | Orange | **P720OIG** | – | Aluminum<br>Brass<br>Brass Plated<br>Chrome<br>S/S 302/304<br>S/S 430 | –<br>–<br>–<br>–<br>–<br>– |

*Dimensions in Inches (mm)*




## Stainless Steel Barrel Key Switch Wallplates

| Description | 1-Gang, with on/off markings | 1-Gang, with position markings | 2-Gang, with on/off markings | 2-Gang, with position markings |
|---|---|---|---|---|
| Stainless steel, 302/304, smooth. | **SS12RKL**  | **SS12RKLM**  | **SS22RKL**  | **SS22RKLM**  |

*Note: See page D-3 for barrel key switch selection.*

## Single Count Screws and Accessories

| Description | Catalog Number |
|---|---|
| Stainless steel screw, standard slot, .38 in. (9.7) long. | **HBL7341SS** |
| Security spanner head screws, 6-32 thread, 100 count. | **HBL7342RKL** |
| Screwdriver with spanner head security bit. | **HBL7372RKL** |


**HBL7341SS**


**HBL7342RKL**


**HBL7372RKL**

*Dimensions in Inches (mm)*

## 1-Gang Security Wallplates, White

| Description | Catalog Number |
|---|---|
| 1-Toggle switch | **SWP1** |
| 1-Duplex receptacle | **SWP8** |
| 1-GFCI/Style Line® opening | **SWP26** |
| 1-Telephone or TV opening .640 in. (16.3) | **SWP12** |
| 1-Blank | **SWP13** |


SWP1


SWP8

## 2-Gang Security Wallplates, White

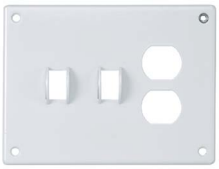
| Description | Catalog Number |
|---|---|
| 2-Toggle switches | **SWP2** |
| 2-Duplex receptacles | **SWP82** |
| 1-Toggle switch, 1-Duplex receptacle | **SWP18** |
| 2-GFCI/Style Line® openings | **SWP262** |
| 1-Toggle switch, 1-GFCI/Style Line® opening | **SWP126** |
| 1-Duplex receptacle, 1-Telephone or TV | **SWP812** |
| 1-Duplex receptacle, 1-Blank | **SWP813** |
| 2-Blank | **SWP23** |


SWP82


SWP18

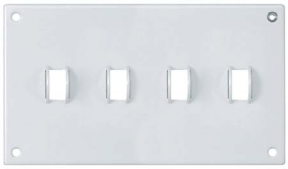
## 3-Gang Security Wallplates, White

| Description | Catalog Number |
|---|---|
| 3-Toggle switches | **SWP3** |
| 2-Toggle switches, 1-Duplex receptacle | **SWP28** |
| 3-GFCI/Style Line® openings | **SWP263** |


SWP28

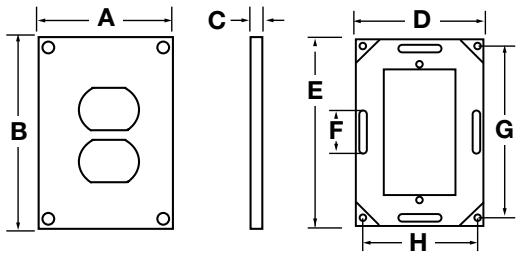
## 4-Gang Security Wallplates, White

| Description | Catalog Number |
|---|---|
| 4-Toggle switches | **SWP4** |


SWP4

## Dimensions Inches (mm)

| Description | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| 1-Gang | 3.77" (95.8) | 5.52" (140.2) | .55" (14.0) | 3.37" (85.6) | 5.13" (130.3) | 1.00" (25.4) | 4.63" (117.6) | 2.88" (73.2) |
| 2-Gang | 5.52" (140.2) | 5.52" (140.2) | .55" (14.0) | 5.13" (130.3) | 5.13" (130.3) | 1.00" (25.4) | 4.63" (117.6) | 4.63" (117.6) |
| 3-Gang | 7.39" (187.7) | 5.52" (140.2) | .55" (14.0) | 7.00" (177.8) | 5.13" (130.3) | 1.00" (25.4) | 4.63" (117.6) | 6.50" (165.1) |
| 4-Gang | 9.20" (233.7) | 5.56" (141.2) | .55" (14.0) | 8.75" (222.3) | 5.13" (130.3) | 1.00" (25.4) | 4.63" (117.6) | 8.30" (210.8) |




## Specifications

Tamper-resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Wallplate: One piece #14 cold rolled zinc plated steel. Wallplate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back sub-plate: #10 cold rolled galvanized steel. Sub-plate assembly shall use four (4) #8-32 X ½ inch stainless steel T-15 TORX® head screws with center pin reject. Sub-plate must be UL listed to UL 514D and comply with the NEC®.

*TORX® is a registered trademark of Textron Inc.*
*NEC® is a registered trademark of the The National Electrical Code.*

*Dimensions in Inches (mm)*

## Brass Locking Cover Plate

| Description | Catalog Number |
|---|---|
| Locking cover plate for single 15 and 20A straight blade receptacles and 15A Twist-Lock® receptacles. Straight cylinder type lock. All cylinder locks keyed alike. | **HBL96067** |

## Weather Shield Wallplate

| Description | Catalog Number |
|---|---|
| 20° angle wallplate for duplex receptacles. | **HBL6187** |



**HBL96067**
Shown with receptacle
(sold separately)



**HBL6187**
Shown with receptacle
and back box
(sold separately)

## Catalog Number of Receptacles in Groups A through E below

| Group A | | Group B | | | Group C | Group D | Group E |
|---|---|---|---|---|---|---|---|
| Boss diameter 1.36" to 1.39" (34.5 to 35.3) | | Boss diameter 1.55" to 1.58" (39.4 to 40.1) | | | Boss diameter 1.68" to 1.72" (42.7 to 43.7) | Boss diameter 2.09" to 2.13" (53.1 to 54.1) | Boss diameter 2.28" to 2.44" (57.9 to 62.0) |
| **HBL23000HG** | **HBL5661** | **HBL23CM10** | **HBL2530** | **HBL2770** | **HBL45105** | **HBL7962** | **HBL7301A** |
| **HBL23030** | **HBL6810** | **HBL2310** | **HBL26CM10** | **HBL2810** | **HBL45205** | **HBL9350** | **HBL8330A** |
| **HBL4560** | **HBL7210B** | **HBL2320** | **HBL2610** | **HBL2820** | **HBL45305** | **HBL9308** | **HBL8350A** |
| **HBL4710** | **HBL7250** | **HBL2330** | **HBL2620** | **HBL2830** | **HBL45905** | **HBL9315** | **HBL8430A** |
| **HBL4760** | **HBL7310B** | **HBL2340** | **HBL2630** | **HBL3330** | | **HBL9330** | **HBL8450A** |
| **HBL5251** | **HBL7310BG** | **HBL2410** | **HBL2640** | **HBL3330G** | | **HBL9360•** | **HBL8460A** |
| **HBL52CM61** | **HBL7535** | **HBL2420** | **HBL2650** | **HBL3430** | | **HBL9365•** | **HBL9430A** |
| **HBL5261** | **HBL7582** | **HBL2430** | **HBL2710** | **HBL3430G** | | **HBL9367•** | **HBL9450A** |
| **HBL53CM61** | **HBL8210** | **HBL2440** | **HBL2720** | **HBL3520** | | | **HBL9460A** |
| **HBL5361** | **HBL8310** | **HBL2450** | **HBL2730** | **HBL7410B** | | | |
| **HBL5461** | **HBL8410** | **HBL2460** | **HBL2740** | **HBL7410BG** | | | |
| **HBL5552B** | **HBL8420** | **HBL2510** | **HBL2750** | | | | |
| | | **HBL2520** | **HBL2760** | | | | |

*Note: •50A 2P 3W.*

## Wallplates for Single Receptacles

| | Group A | | Group B | | Group C | | Group D | | Group E |
|---|---|---|---|---|---|---|---|---|---|
| | Boss diameter 1.36" to 1.39" (34.5 to 35.3) | | Boss diameter 1.55" to 1.58" (39.4 to 40.1) | | Boss diameter 1.68" to 1.72" (42.7 to 43.7) | | Boss diameter 2.09" to 2.13" (53.1 to 54.1) | | Boss diameter 2.28" to 2.44" (57.9 to 62.0) |
| Description | 1-Gang | 2-Gang | 1-Gang | 2-Gang | 1-Gang | 2-Gang | 1-Gang | 2-Gang | 2-Gang |
| Smooth thermoplastic. | **P7*** | **–** | **P720*** | **–** | **–** | **–** | **P724*** | **P703*** | **–** |
| Cast aluminum. | **HBL7320** | **–** | **HBL7320** | **–** | **HBL3394** | **–** | **HBL9419** | **–** | **–** |
| Stainless steel, 302/304, smooth. | **SS7**** | **SS72** | **SS720** | **–** | **SS725** | **–** | **SS723** | **SS703** | **SS701** |

*Note: *See pages N-7 and M-8 for complete wallplate descriptions.*
***Catalog number indicated is Stainless Steel, replace "**SS**" with the following prefix to designate material: "**SA**" for Anodized Aluminum, "**SB**" for Solid Brass.*

## Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

| | Group A | Group B | Group C | Group D | | |
|---|---|---|---|---|---|---|
| Description | Boss diameter 1.36" to 1.39" (34.5 to 35.3) | Boss diameter 1.55" to 1.58" (39.4 to 40.1) | Boss diameter 1.68" to 1.72" (42.7 to 43.7) | Boss diameter 2.09" to 2.13" (53.1 to 54.1) | 50A Twist-Lock® Receptacles | 30A 4W Hubbellock® Receptacles |
| Thermoplastic, with cover "open", gray. | **HBL7423WO** | **HBL7425WOA** | **HBL7424WO** | **–** | **HBL7774WO▲** | **–** |
| Thermoplastic, with cover "open", yellow. | **HBL74CM23WO** | **HBL74CM25WOA** | **HBL74CM24WO** | **–** | **HBL77CM74WO▲** | **–** |
| Cast aluminum, with cover "closed". | **HBL7420** | **HBL7420** | **HBL3393** | **HBL9420** **HBL9425•** | **HBL7770** | **HBL20405†** **HBL20446†** |

*Note: •50A 2P 3W.*
*▲The "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic wallplates.*
*†HBL20446 wallplate painted red for use with HBL20443 only. HBL20405 wallplate is for use with HBL20403 only. See page B-65 for devices.*

## Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY



| Description | Catalog Number |
|---|---|
| For use with 15 and 20A, 2 pole, 2 wire and 2 pole, 3 wire Insulgrip® flanged inlets and flanged receptacles below. | **WP1** |

**Straight Blade, 2 pole, 3 wire**

| Flanged Inlets | | Flanged Receptacles | |
|---|---|---|---|
|  | **HBL5278C**<br>**HBL5378C**<br>**HBL5478C**<br>**HBL5678C** |  | **HBL5279C**<br>**HBL5379C**<br>**HBL5479C**<br>**HBL5679C** |



**Twist-Lock®, 2 pole, 2 wire and 2 pole, 3 wire**

| Flanged Inlets | | Flanged Receptacles | |
|---|---|---|---|
|  | **HBL8815C**<br>**HBL7524C**<br>**HBL4716C**<br>**HBL4586C**<br>**HBL4786C** |  | **HBL8809C**<br>**HBL7526C**<br>**HBL4715C**<br>**HBL4585C**<br>**HBL4785C** |

## Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

| Description | Catalog Number |
|---|---|
| For use with 20 and 30A, 3, 4, and 5 wire Insulgrip flanged inlets and flanged receptacles below. | **WP2** |

**Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire; 4 pole, 4 wire; 4 pole, 5 wire**

**Flanged Inlets**



| | | | |
|---|---|---|---|
| **HBL2315** | **HBL2445** | **HBL2635** | **HBL2765** |
| **HBL2325** | **HBL2455** | **HBL2645** | **HBL2775** |
| **HBL2335** | **HBL2465** | **HBL2655** | **HBL2815** |
| **HBL2345** | **HBL2515** | **HBL2715** | **HBL2825** |
| **HBL2355** | **HBL2525** | **HBL2725** | **HBL2835** |
| **HBL2415** | **HBL2535** | **HBL2735** | **HBL3325C** |
| **HBL2425** | **HBL2615** | **HBL2745** | **HBL3334C** |
| **HBL2435** | **HBL2625** | **HBL2755** | **HBL7408C** |

**Flanged Receptacles**



| | | | |
|---|---|---|---|
| **HBL2316** | **HBL2446** | **HBL2636** | **HBL2766** |
| **HBL2326** | **HBL2456** | **HBL2646** | **HBL2776** |
| **HBL2336** | **HBL2466** | **HBL2656** | **HBL2816** |
| **HBL2346** | **HBL2516** | **HBL2716** | **HBL2826** |
| **HBL2356** | **HBL2526** | **HBL2726** | **HBL2836** |
| **HBL2416** | **HBL2536** | **HBL2736** | **HBL3326C** |
| **HBL2426** | **HBL2616** | **HBL2746** | **HBL3335C** |
| **HBL2436** | **HBL2626** | **HBL2756** | **HBL7409C** |



**WP1**



**WP2**

## Weatherproof Thermoplastic Cover For Flanged Inlets 50 Amp CS Series

| Description | Catalog Number |
|---|---|
| For use with 50A locking inlets with trimmed sides only. | **HBL7780** |



**HBL7780**

IP44
SUITABILITY


HBL7777A

## Weatherproof Covers for Receptacles with Face Dia. of 2.28–2.44 in. (57.9–62.0)

| Description | Catalog Number |
|---|---|
| Thermoplastic, 2-gang, wet and damp locations with cover “closed”, gray. | **HBL7777A▲** |
| Thermoplastic, 2-gang, wet and damp locations with cover “closed”, yellow. | **HBL77CM77A▲** |

## Weatherproof Covers for Receptacles with Face Dia. of 2.09–2.13 in. (53.1–54.1)

| Description | Catalog Number |
|---|---|
| Cast aluminum, wet locations only when cover “closed” and damp locations. | **HBL9420** |
| Cast aluminum, no lift cover. NOT weatherproof. | **HBL9419** |


HBL9420

## Weatherproof Covers for 50A Twist-Lock® Single Receptacles

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover “open”, gray. | **HBL7774WO*** |
| Thermoplastic, wet and damp locations with cover “open”, yellow. | **HBL77CM74WO*** |
| Cast aluminum, wet locations only when cover “closed” and damp locations. | **HBL7770** |
| Galvanized Steel, fits 4" square or 2-gang box. | **HBL50SC**** |
| Stainless steel, single gang, wallplate. NOT weatherproof. | **SS750▲** |


HBL7774WO

## Weatherproof Covers for 30A, 4 Wire Hubbellock® Receptacles

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover “open”, gray. | **HBL7428WOG*** |
| Thermoplastic, wet and damp locations with cover “open”, yellow. | **HBL7428WOY*** |
| Thermoplastic, wet and damp locations with cover “open”, red. | **HBL7428WOR*** |
| Cast aluminum, wet locations only when cover “closed” and damp locations, lift cover plate. | **HBL20405** |
| Cast aluminum, wet locations only when cover “closed” and damp locations, red finish. | **HBL20446** |
| Cast aluminum, no lift cover. NOT weatherproof. | **HBL20406** |

*Note: ▲Will fit FS/FD boxes having wallplate mounting holes on 3.25 in. x 3.75 in. (82.6 x 95.3) centers.*
*▽Will only fit old style porcelain face devices.*
**The “CS” versions of 50A Twist-Lock® will only fit these wallplates.*
***IP20 Suitability.*


HBL7770

## Weatherproof Covers for Single Receptacles on FS/FD Boxes

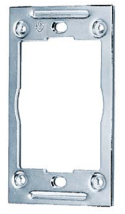
All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix “WO” are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

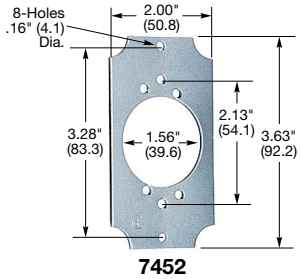

HBL20405

## Accessories

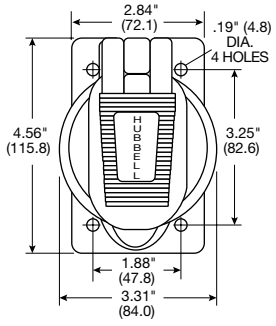
| Description | Catalog Number |
|---|---|
| Sub-plate for mounting and weatherproofing flanged devices with mounting centers of 1.76", 1.94" or 2.13" such as HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof covers. | **7452•** |
| Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 covers to standard boxes. | **HBL7349•** |

*Note: •Not UL Listed.*


HBL7349



7452



Typical Plate, 1-Gang

*Dimensions in Inches (mm)*

**IP44**
SUITABILITY

## Weatherproof Covers for Receptacles with Face Dia. of 1.36–1.39 in. (34.5–35.3)

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover "open", gray. | **HBL7423WO** |
| Thermoplastic, wet and damp locations with cover "open", yellow. | **HBL74CM23WO** |
| Cast aluminum, wet location only when cover "closed" and damp locations. | **HBL7420** |
| Cast aluminum, no lift cover, NOT weatherproof. | **HBL7320▲** |


**HBL7423WO**

## Weatherproof Covers for Switches & Receptacles with Face Dia. of 1.55–1.58 in. (39.4–40.1)

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover "open", gray. | **HBL7425WOA** |
| Thermoplastic, wet and damp locations with cover "open", yellow. | **HBL74CM25WOA** |
| Thermoplastic, wet and damp locations with cover "open", white. | **HBL74CM25WOAW** |
| Cast aluminum, wet and damp locations with cover "closed." | **HBL7420*** |
| Cast aluminum, no lift cover, NOT weatherproof. | **HBL7320▲** |
| Thermoplastic, wet and damp locations with cover "open", gray. | **HBL7428WOG**** |
| Thermoplastic, wet and damp locations with cover "open", yellow. | **HBL7428WOY**** |
| Thermoplastic, wet and damp locations with cover "open", red. | **HBL7428WOR**** |


**HBL7425WOA**

## Weatherproof Covers for Receptacles with Face Dia. of 1.68–1.72 in. (42.7–43.7)

| Description | Catalog Number |
|---|---|
| Thermoplastic, wet and damp locations with cover "open", gray. | **HBL7424WO** |
| Thermoplastic, wet and damp locations with cover "open", yellow. | **HBL74CM24WO** |
| Cast aluminum, wet location only when cover "closed" and damp locations. | **HBL3393** |
| Cast aluminum, no lift cover, NOT weatherproof. | **HBL3394▲** |


**HBL7420**

*Note: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitch® Switches.*
***Features two #6-32 threaded inserts to back mount device to cover.*
*▲IP20 SUITABILITY.*
*All weatherproof lift cover plates on this page are UL Listed as "WDL Closed" for use in wet locations with cover closed and in damp locations.*

## Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.


**HBL7320**

## 2023 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.

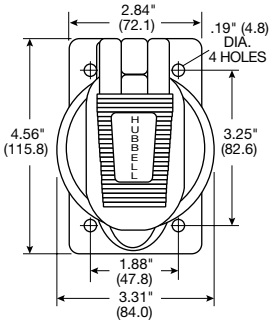
**406.9 Receptacles in Damp or Wet Locations.**
**(B) Wet Locations**
**(1) Receptacles of 15 and 20 Amperes in a Wet Location.**
Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked "extra-duty."

All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.

**(2) Other Receptacles.** All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).

(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.

(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.



**Typical Plate, 1-Gang**


**HBL7424WO**


**HBL3393**

*NEC® is a registered trademark of the The National Electrical Code.*

*Dimensions in Inches (mm)*

IP44
SUITABILITY



HBL1795

## Weatherproof Wallplates

| Description | Catalog Number |
|---|---|
| Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes. | **HBL1795** |



HBL1750

## Weatherproof Wallplates

| Description | Catalog Number |
|---|---|
| Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes. | **HBL1750*** |
| Same as above except yellow. | **HBL17CM50*** |

*Note: *Not UL Listed.*



HBL1785

## Weatherproof Wallplates

| Description | Catalog Number |
|---|---|
| Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes. | **HBL1785*** |
| Same as above except yellow. | **HBL17CM85*** |

*Note: *Not UL Listed.*



HBL7420

## Weatherproof Covers

| Description | Catalog Number |
|---|---|
| Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes. | **HBL7420** |



HBL96061
Shown with cover and switch (sold separately)

## Brass Locking Covers Attachment for Switches

| Description | Catalog Number |
|---|---|
| Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike. | **HBL96061*** |
| Same as above except in dull chrome finish to match stainless steel wallplates. | **HBL96061DCH*** |
| Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed. | **HBL96062*** |

*Note: *Not UL Listed or CSA Certified.*



HBLWLC

## Locking Device

| Description | Catalog Number |
|---|---|
| Locking device for weatherproof covers. | **HBLWLC** |

IP44
SUITABILITY

## Duplex Covers For Vertical Mounting

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Thermoplastic, gray, for FS/FD box mounting. | 4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4) | **HBL5221** |
| Thermoplastic, yellow, for FS/FD box mounting. | 4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4) | **HBL52CM21** |
| Thermoplastic, white, for FS/FD box mounting. | 4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4) | **HBL52CM21W** |
| Thermoplastic, gray, for device mounting. | 4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4) | **HBL5222** |
| Thermoplastic, yellow, for device mounting. | 4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4) | **HBL52CM22** |
| Die cast aluminum, gray, commercial grade, vertical position, device mount. | 4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1) | **WP8V** |



**HBL5221**



**WP8V**

## Duplex Covers For Horizontal Mounting

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Cast aluminum, for device mounting. | 2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1) | **HBL5205WO** |
| Cast aluminum, for FS/FD box mounting. | 2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1) | **HBL5206WO** |
| Die cast aluminum, gray, commercial grade, horizontal position, device mount. | 2.90" x 4.60" x 0.75" (73.7 x 116.8 x 19.1) | **WP8H** |



**HBL5206WO**



**WP8H**

## GFCI, Surge and Style Line® Covers

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Thermoplastic, gray, for FS/FD box mounting. | 4.56" x 2.84" x 1.27" (115.8 x 72.2 x 32.3) | **HBL5226** |
| Die cast aluminum, gray, commercial grade, vertical position, device mount. | 4.56" x 2.81" x 0.75" (115.8 x 71.4 x 19.1) | **WP26V** |
| Die cast aluminum, gray, commercial grade, horizontal position, device mount. | 2.30" x 4.75" x 0.73" (58.4 x 120.7 x 18.5) | **WP26H** |



**HBL5226**



**WP26V**

## Toggle Cover

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Thermoplastic, gray, for FS/FD box mounting. | 4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4) | **HBL5201** |



**HBL5201**

*Note: All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All cover plates are gasketed and self-closing.*

*Dimensions in Inches (mm)*

## Features and Benefits

### Weatherproof Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- Premium powder coat
- External cord retention chamber
- Each box contains three or six adapters to make a variety of configurations (8 or 55)





WP26E



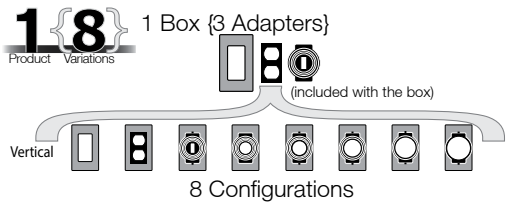
WP26EH



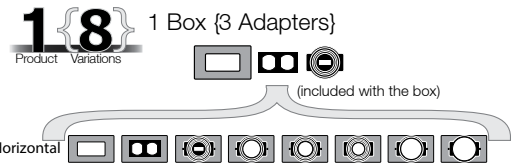
WP262E

### Metallic EXTRA DUTY® While-In-Use Covers

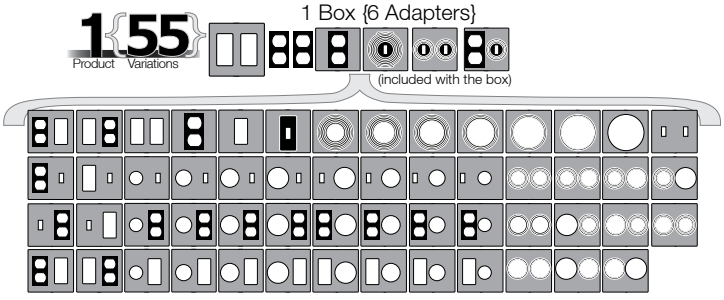
| Description | | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|---|
| Heavy duty die-cast aluminum 1-gang box with gray lid for vertical mounting offers superior commercial quality 8-in-1 configurations. | 1 Product Variations 8 | 6.12" X 3.37" X 3.5" (155.4 X 85.6 X 89.0) | **WP26E** |
| Heavy duty die-cast metal 1-gang box with gray lid for horizontal mounting; 8-in-1 configurations. | 1 Product Variations 8 | 4.37" X 5.12" X 3.5" 111.0 X 130.0 X 89.0) | **WP26EH** |
| Heavy duty die-cast metal 2-gang box with gray lid for vertical mounting; 55-in-1 configurations. | 1 Product Variations 55 | 6.12" X 5.12" X 3.5" (155.4 X 130.0 X 89.0) | **WP262E** |




8 Configurations

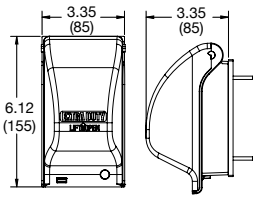



8 Configurations

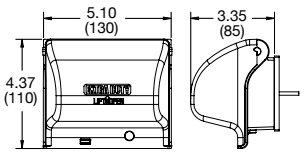



55 Configurations

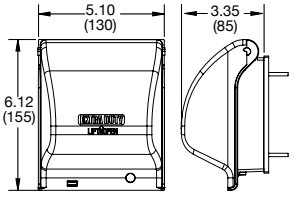
### Metallic Cover Dimensions




WP26E




WP26EH




WP262E

*Dimensions in Inches (mm)*

## Features and Benefits

### Weatherproof Non-Metallic While-In-Use Covers

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- High-impact polycarbonate construction provides maximum durability
- Each box contains three or six adapters to make a variety of configurations (16 or 55)




### Weather Resistant Recessed Receptacle with While-In Use Cover

| Description | Housing Color | Horizontal Mount | Vertical Mount |
|---|---|---|---|
| Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V | GRAY | **RW15300GY** | **RW15400GY** |
| | WHITE | **RW15300W** | **RW15400W** |
| | BROWN | **RW15300BR** | **RW15400BR** |


**RW15400GY**


**RW15300GY**

### Non-Metallic While-In-Use Covers

| Description | | Dimensions Height x Width x Depth | Standard | EXTRA DUTY® |
|---|---|---|---|---|
| Standard 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations. | 1 16 Product Variations | 5.90" X 4.18" X 2.75" (149.8 X 106.1 X 69.9) | **RW57300** | **RW58300** |
| Extra deep 1-gang box with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations. | 1 16 Product Variations | 5.92" X 4.20" X 4.75" (150.4 X 106.7 X 120.7) | **RW57350** | **RW58350** |
| Standard 2-gang box, clear tinted cover, for vertical mounting only; 55-in-1 configurations. | 1 55 Product Variations | 5.54" X 5.43" X 2.75" (140.7 X 138.0 X 69.9) | **RW57750** | **RW58750** |


**RW57300**

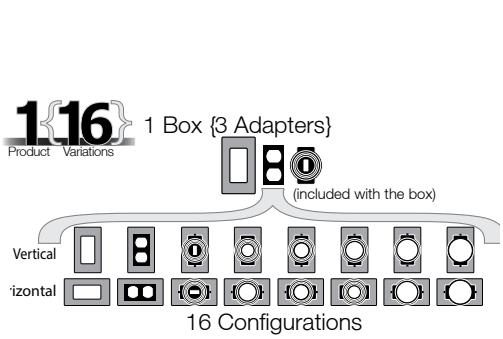

**RW58300**


**RW57350**

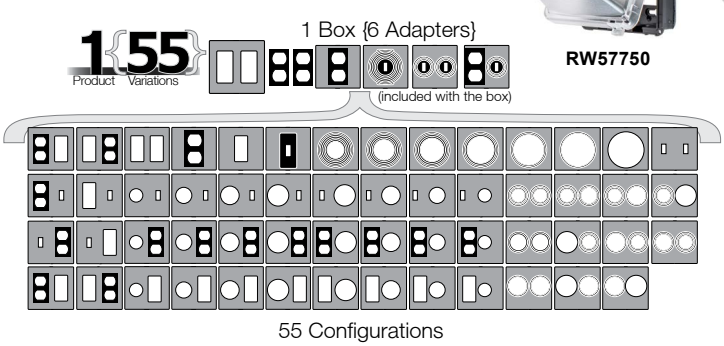

**RW58350**


**RW57750**


**RW58750**

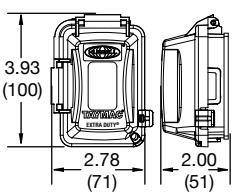


16 Configurations

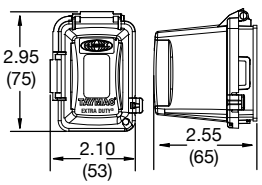


55 Configurations

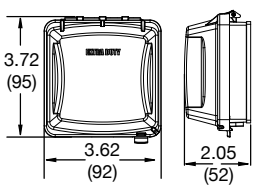
### Non-Metallic Cover Dimensions



**RW58300**



**RW58350**



**RW58750**

*Dimensions in Inches (mm)*

## Features and Benefits

### Weatherproof Non-Metallic Recessed While-In-Use Extra Duty Covers

Hubbell has added a unique solution to our weatherproof, non-metallic device cover line up with the Recessed In-Use Extra Duty rated Cover. This is a great alternative for locations to meet the NEC code when space and aesthetics are important.

- Aesthetically pleasing flat profile
- Meets the Extra Duty rating
- Versatility, it can be installed for new or old work
- Compatibility with all common siding types and materials: vinyl, wood, stucco and brick/block
- Mounted horizontally or vertically
- Includes an electrical box and optional siding flange
- Compatibility with duplex, GFCI and single receptacles (receptacle not included)
- cULus listed product and NEC and NEMA 3R compliant
- Colors available clear cover with gray, white or bronze back housing







RW5420CW

### Non-Metallic EXTRA DUTY® While-In-Use Covers

| Description | Color | Catalog Number |
|---|---|---|
| 1-Gang Weatherproof Extra Duty Recessed While-In-Use Cover | Clear/Gray | **RW5420CG** |
| | Clear/White | **RW5420CW** |
| | Clear/Bronze | **RW5420CZ** |

### Weatherproof Heavy Cast Aluminum Lockable Cover

Made of heavy cast aluminum that provides high strength. Suitable for industrial and comercial applications.

- Flush enclosure, cover has mounting plate, fits standard 4 inch or $4^{11}/_{16}$ inch electrical box
- Adapter plates for GFCI, duplex, single receptacles or switch
- Rated NEMA 3R
- cULus listed





WP4600

### Weatherproof Heavy Cast Aluminum Lockable Cover

| Description | Color | Catalog Number |
|---|---|---|
| 1-Gang weatherproof 4 in 1 flush enclosure heavy cast aluminum lockable cover. | Aluminum | **WP4600** |

## Features and Benefits

### Stainless Steel Weatherproof Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty 316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities.




- Manufactured in heavy duty 316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Duplex and GFCI versions
- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover

### Industries Commonly Served

- Food and Beverage Production and Distribution
- Chemical Plants
- Water and Wastewater Treatment
- Pharmaceuticals and Cosmetics
- Refining and Extraction Sites
- Petrochemical Operations
- Marine and Coastal Facilities
- Pulp and Paper Mills
- Along with other corrosive environments

### 1-Gang Stainless Steel Weatherproof Flip Covers

| Description | Catalog Number |
|---|---|
| 1 Gang, Stainless Steel Duplex Cover, 3R | **HBLSS83R** |
| 1 Gang, Stainless Steel GFCI Cover, 3R | **HBLSS263R** |
| 1 Gang, Stainless Steel Duplex Cover, 4X | **HBLSS84X** |
| 1 Gang, Stainless Steel GFCI Cover, 4X | **HBLSS264X** |



**HBLSS83R**

### 1-Gang Stainless Steel While-In-Use Weatherproof Cover

| Description | Catalog Number |
|---|---|
| 1 Gang, Stainless Steel GFCI Cover, 3R | **HBLSS26WIS** |



**HBLSS263R**

### Specifications

| | |
|---|---|
| Cover | Stainless Steel |
| Base | Stainless Steel |
| Hinge Pin | Stainless Steel |
| Spring | Stainless Steel |
| Base Gasket | Elastomer |
| Cover Gasket | Elastomer |
| Back Gasket | Eva Form |
| Ground Screw | Steel, Zinc Plated |
| Mounting Screw | Stainless Steel |



**HBLSS84X**

### Product Dimensions

| Catalog Number | Height | Width | Depth | Opening |
|---|---|---|---|---|
| HBLSS83R | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.62" (66.5) |
| HBLSS263R | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.76" (70.0) |
| HBLSS84X | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.62" (66.5) |
| HBLSS264X | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.76" (70.0) |
| HBLSS26WIS | 6.54" (166.1) | 3.70" (93.9) | 2.31" (58.7) | 7.57" (192.3) |



**HBLSS26WIS**

*Dimensions in Inches (mm)*



RW51470



RW51550



RW51040

## 1-Gang Weatherproof Covers for Vertical Mounting

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Zinc die cast, gray, duplex cover for box mounting. | 4.58" x 2.82" x 0.57" (116.3 x 71.6 x 14.5) | **RW51470** |
| Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting. | 4.56" x 2.81" x 0.88" (115.8 x 71.4 x 22.4) | **RW51550*** |
| Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting. | 4.58" x 2.81" x 0.57" (116.3 x 71.4 x 14.5) | **RW51040** |



RW51810



RW51520



RW51020

## 1-Gang Weatherproof Covers for Horizontal Mounting

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Zinc die cast, gray, duplex cover for device mounting. | 2.82" x 4.57" x 0.79" (71.6 x 116.1 x 20.1) | **RW51810** |
| Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting. | 2.81" x 4.56" x 0.99" (71.4 x 115.8 x 25.1) | **RW51520*** |
| Zinc die cast, gray, GFCI, Surge and Style Line® cover for device mounting. | 2.82" x 4.56" x 0.52" (71.6 x 115.8 x 13.2) | **RW51020** |



RW51320



RW51330



RW51380



RW51450

## 2-Gang Weatherproof Covers for Vertical Mounting

| Description | Dimensions Height x Width x Depth | Catalog Number |
|---|---|---|
| Zinc die cast, gray, duplex cover for device mounting. | 4.54" x 4.54" x 0.75" (115.3 x 115.3 x 19.1) | **RW51320** |
| Zinc die cast, gray, one duplex/one GFCI, Surge and Style Line® cover for box mounting. | 4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6) | **RW51330** |
| Zinc die cast, gray, 1.40 in. (35.6) cover for single receptacle or toggle switch for device mounting. | 4.54" x 4.54" x 0.77" (115.3 x 115.3 x 19.6) | **RW51380** |
| Zinc die cast, gray, two GFCI, Surge and Style Line® cover for box mounting. | 4.54" x 4.56" x 0.73" (115.3 x 115.8 x 18.5) | **RW51450** |

*Note: All weatherproof cover plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All cover plates are gasketed and self-closing.*
**cULus Listed.*

*Dimensions in Inches (mm)*

## Screws, 6-32 Thread, 100 Count

| Description | Color/Material | Catalog Number |
|---|---|---|
| Decorator Wallplate Screws, Oval Head Milled Slot, ⅜ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100). | Black<br>Brown<br>Gray<br>Ivory<br>Light Almond<br>White<br>Stainless Steel | **RA38BKPK100**<br>**RA38PK100**<br>**RA38GYPK100**<br>**RA38IPK100**<br>**RA38LAPK100**<br>**RA38WPK100**<br>**RA38SSPK100** |
| Brass plated screw, standard slot, .38 in. (9.7) long. | Brass | **HBL7341** |
| Standard Wallplate Screws, Oval Head Milled Slot, ½ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100). | Black<br>Brown<br>Gray<br>Ivory<br>Light Almond<br>White | **RA12BKPK100**<br>**RA12PK100**<br>**RA12GYPK100**<br>**RA12IPK100**<br>**RA12LAPK100**<br>**RA12WPK100** |
| Standard Wallplate Screws, Oval Head Milled Slot, ⅝ in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100). | Stainless Steel | **RA58SSPK100** |
| Standard Wallplate Screws, Oval Head Milled Slot, 1.0 in. Long – 6-32 Thread, 100 per Box (Order 1 to receive a box of 100). | Ivory<br>White<br>Stainless Steel | **RA88IPK100**<br>**RA88WPK100**<br>**RA88SSPK100** |



**RA38IPK100**



**HBL7341**



**RA12IPK100**



**RA58SSPK100**



**RA88IPK100**

## Single Count Screws and Accessories

| Description | Color | Catalog Number |
|---|---|---|
| Blank adapter, to fill a toggle opening. | Brown<br>Ivory<br>White | **RA756**<br>**RA756I**<br>**RA756W** |
| Blank adapter, to fill a decorator opening. | Black<br>Gray<br>Ivory<br>Light Almond<br>White | **NS620BK**<br>**NS620GY**<br>**NS620I**<br>**NS620LA**<br>**NS620W** |
| Blank adapter, .406" (10.30) dia. hole, to fill a decorator opening. | Ivory<br>Light Almond<br>White | **NS621I**<br>**NS621LA**<br>**NS621W** |
| Mounting strap, with screws. | Steel | **RA40** |



**RA756W**



**RA40**

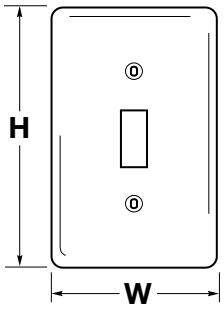


**NS620I**

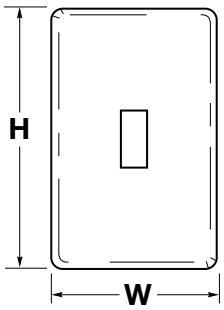


**NS621I**

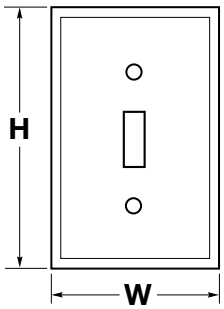
## Wallplate Dimensions




| | Thermoplastic | | | | | |
|---|---|---|---|---|---|---|
| | Standard | | Mid-Size | | Jumbo-Size | |
| Size | Height | Width | Height | Width | Height | Width |
| 1-Gang | 4.63" (117.6) | 2.88" (73.2) | 4.94" (125.3) | 3.15" (80.0) | 5.25" (133.4) | 3.50" (88.9) |
| 2-Gang | 4.63" (117.6) | 4.69" (119.1) | 4.94" (125.3) | 5.00" (126.9) | 5.25" (133.4) | 5.31" (134.9) |
| 3-Gang | 4.63" (117.6) | 6.50" (165.1) | 4.88" (123.8) | 6.75" (171.5) | | |
| 4-Gang | 4.63" (117.6) | 8.31" (211.1) | 4.88" (123.8) | 8.56" (217.4) | | |
| 5-Gang | 4.63" (117.6) | 10.12" (257.1) | | | | |
| 6-Gang | 4.63" (117.6) | 11.94" (303.1) | | | | |



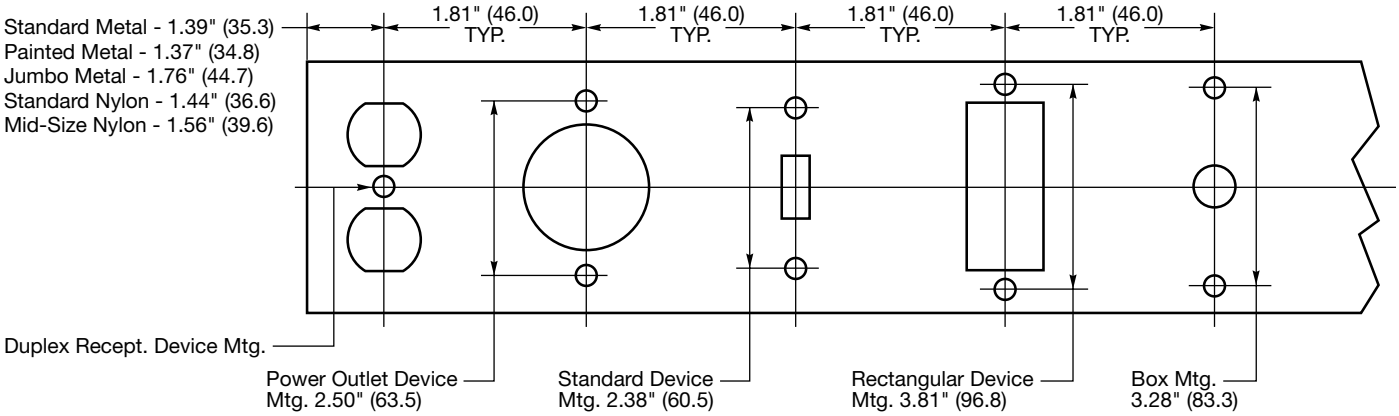

| | Snap-On Thermoplastic | | |
|---|---|---|---|
| Size | Height | Width | Depth |
| 1-Gang | 4.75" (120.6) | 3.00" (76.2) | .25" (6.35) |
| 2-Gang | 4.75" (120.6) | 4.81" (122.2) | .25" (6.35) |
| 3-Gang | 4.75" (120.6) | 6.62" (168.2) | .25" (6.35) |
| 4-Gang | 4.75" (120.6) | 8.44" (214.3) | .25" (6.35) |




| | Standard Metal | | Painted Metal | | Jumbo Metal | |
|---|---|---|---|---|---|---|
| Size | Height | Width | Height | Width | Height | Width |
| 1-Gang | 4.50" (114.3) | 2.87" (72.9) | 4.50" (114.3) | 2.75" (69.8) | 5.25" (133.4) | 3.50" (88.9) |
| 2-Gang | 4.50" (114.3) | 4.60" (116.8) | 4.50" (114.3) | 4.56" (115.8) | 5.25" (133.4) | 5.31" (134.9) |
| 3-Gang | 4.50" (114.3) | 6.41" (162.8) | 4.50" (114.3) | 6.38" (162.1) | | |
| 4-Gang | 4.50" (114.3) | 8.22" (208.8) | 4.50" (114.3) | 8.18" (207.8) | | |
| 5-Gang | 4.50" (114.3) | 10.03" (254.8) | 4.50" (114.3) | 10.00" (254.0) | | |
| 6-Gang | 4.50" (114.3) | 11.81" (300.0) | 4.50" (114.3) | 11.81" (300.0) | | |
| 7-Gang | 4.50" (114.3) | 13.68" (347.5) | | | | |
| 8-Gang | 4.50" (114.3) | 15.44" (392.1) | | | | |

## Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical




*Note: Specifications are subject to change without notice.*

*Dimensions in Inches (mm)*

## Custom Metal Wallplates

*How To Select A Custom Metal Wallplate*

### Step 1:

Determine wallplate material and enter in box marked "Catalog Number"

| Smooth Metal Material | Code |
|---|---|
| Anodized Aluminum | **AL** |
| Brass plated steel | **BP** |
| Solid brass | **BR** |
| Chrome plated steel | **CH** |
| Stainless steel 302/304 | **SS** |

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

| Number of Gangs | Code |
|---|---|
| 1-gang | **1** |
| 2-gang | **2** |
| 3-gang | **3** |
| 4-gang | **4** |
| 5-gang | **5** |
| 6-gang | **6** |
| 7-gang | **7** |
| 8-gang | **8** |

**Enter**
Catalog Number

♦ **WC* SS 4**

### Step 2:

Enter quantity.

### Step 3:

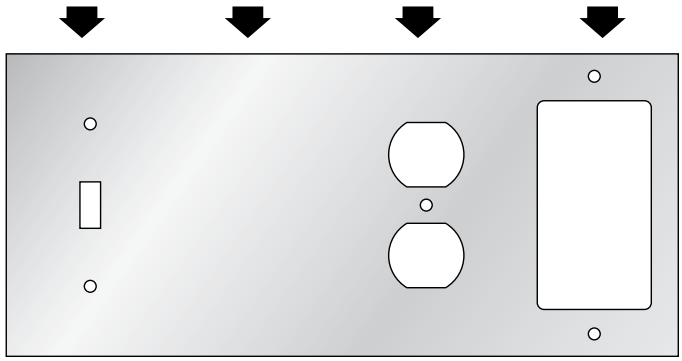
Select the custom metal wallplate configuration.

Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages N-32 to N-34. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

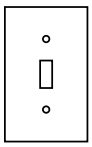
| Item No. | Catalog Number | Quantity | Code | Position 1 | Position 2 | Position 3 | Position 4 |
|---|---|---|---|---|---|---|---|
| **1** | **WCSS4** | | **H*** | **001** | **149** | **008** | **026** |
| **2** | | | | | | | |

*Note: *WC and H are preprinted on the distributor order form.*
*♦Number to use for pricing.*

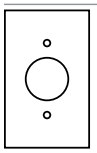
The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages N-32 to N-34 or additional configuration choices.



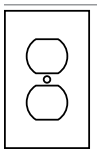
## Configuration Chart



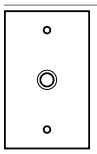
**001**
Switch.



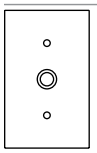
**007**
Single Receptacle.
1.40" ID (35.6) Hole.



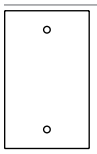
**008**
Duplex Receptacle.



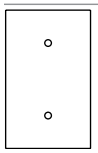
**011**
1-Gang .635" ID (16.1)
Hole Box Mounted with
.50" ID (12.7) Nylon Bushing.



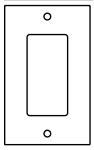
**012**
1-Gang .635" ID (16.1) Hole Strap Mounted
incl. Strap with .50" ID (12.7) Nylon Bushing.



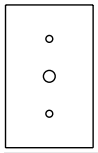
**013**
Blank Box Mounted.



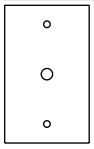
**014**
Blank Strap Mounted
incl. Strap.



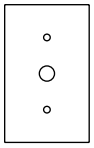
**026**
Rectangular Opening.



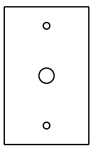
**055**
1-gang .375" ID (9.5) Hole
Strap Mounted incl. Strap.



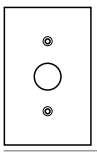
**056**
1-Gang .375" ID (9.5) Hole
Box Mounted.



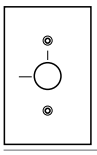
**057**
1-Gang .50" ID (12.7) Hole
Strap Mounted incl. Strap.



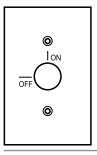
**058**
1-Gang .50" ID
(12.7) Hole Box Mounted.



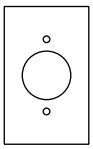
**078**
Barrel Key Switch.



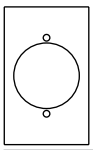
**079**
Barrel Key Switch with
Hash Marks.



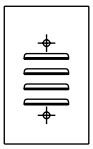

**080**
Barrel Key Switch with
ON/OFF and Hash Marks.



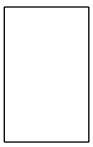
**091**
Single Receptacle.
1.60" ID (40.5) Hole.



**098**
Single Receptacle.
2.16" ID (54.7) Hole.

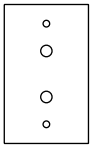


**135**
Vertical Mounted Louver.



**149**
Totally Blank
(No Mounting Holes).

### Coax/Twinax and Modular Jack Openings



**456**
.375" (9.5) Dia.
Round Box Mounted.

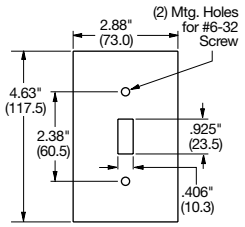
**458**
.500" (12.7) Dia.
Round Box Mounted.

**411**
.635" (16.1) Dia.
Round Box Mounted.

*Note: For detailed dimensions of the above configurations, see pages N-35 and N-36. Available in smooth metal, standard size only up to and including 8-gang type.*

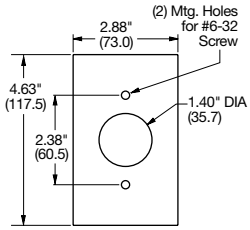
*Dimensions in Inches (mm)*

## Configuration Chart (Continued)



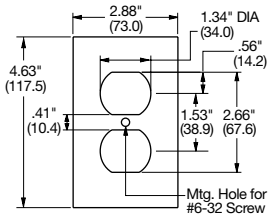

Configuration
**001**

Toggle Switch Wallplate



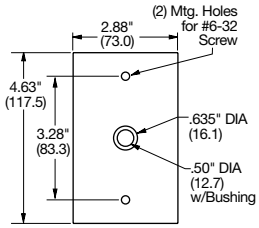

Configuration
**007**

Single 15 or 20A Straight Blade Receptacle;
15A Twist-Lock® Receptacle



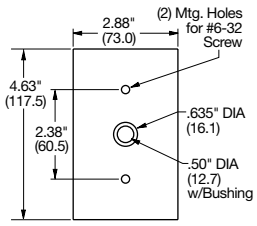

Configuration
**008**

Duplex Receptacle



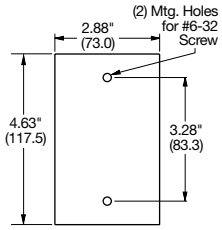

Configuration
**011**

Single, .635" (16.1) Telephone (Box Mount)



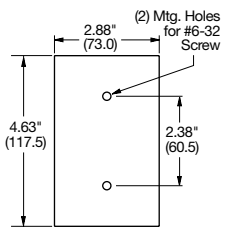

Configuration
**012**

Single, .635" (16.1) Telephone (Strap Mount)



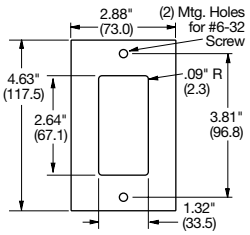

Configuration
**013**

Blank Walllate (Box Mount)



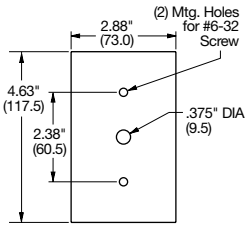

Configuration
**014**

Blank Wallplate (Strap Mount)



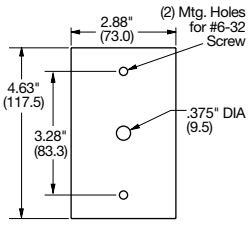

Configuration
**026**

GFI/Rectangular Opening



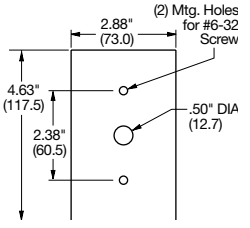

Configuration
**055**

Single, .375" (9.5) Telephone (Strap Mount)



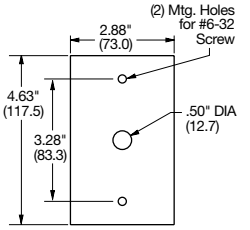

Configuration
**056**

Single, .375" (9.5) Telephone (Box Mount)



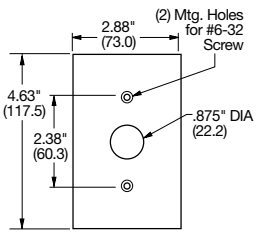

Configuration
**057**

Single, .50" (12.7) Telephone (Strap Mount)



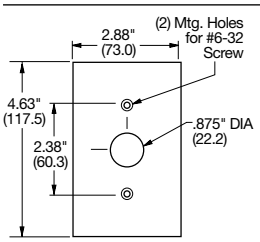

Configuration
**058**

Single, .50" (12.7) Telephone (Box Mount)




Configuration
**078**

Barrel Key Switch



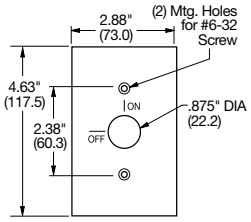

Configuration
**079**

Barrel Key Switch with Hash Marks

*Note: Specifications are subject to change without notice.*

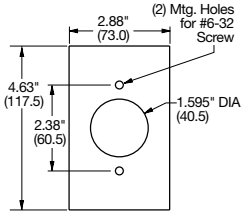
*Dimensions in Inches (mm)*

## Configuration Chart (Continued)



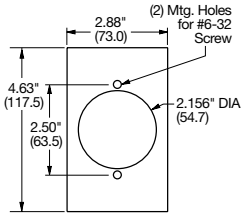

Configuration
**080**

Barrel Key Switch with
ON/OFF and Hash Marks



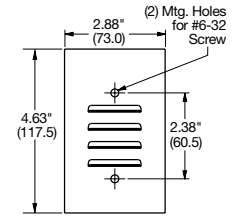

Configuration
**091**

Single 20 or 30A Twist-Lock® Receptacle



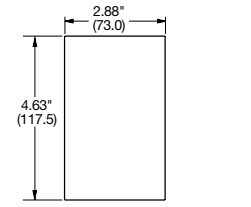

Configuration
**098**

Single Receptacle,
30 or 50A Straight Blade,
3 Wire Power Outlet



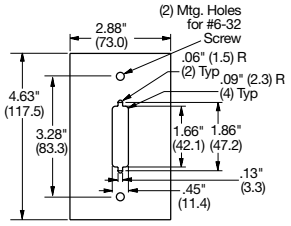

Configuration
**135**

Louvered Wallplate
(Strap Mount)



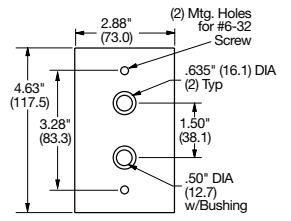

Configuration
**149**

Totally Blank Wallplate



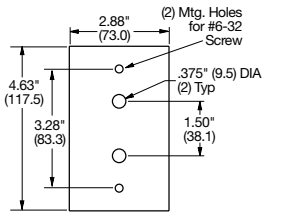

Configuration
**295**

RS232 Port Single 25-Pin
(Box Mount)



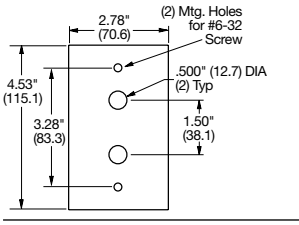

Configuration
**411**

Dual .635" (16.1) Holes
(Box Mount)




Configuration
**456**

Dual .375" (9.5) Round
(Box Mount)




Configuration
**458**

Dual .50" (12.7) Round
(Box Mount)

*Note: Specifications are subject to change without notice.*

*Dimensions in Inches (mm)*

# SECTION O

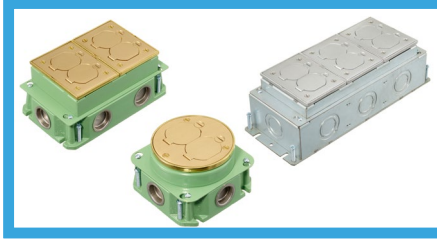
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**Flush Floor Boxes for Concrete Floors**



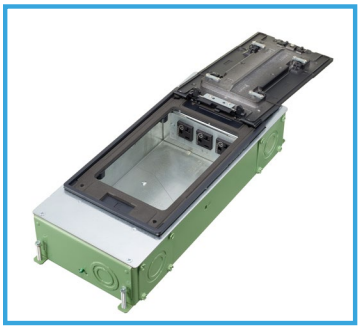
**CONNEXION 2.0 Zone Distribution System**




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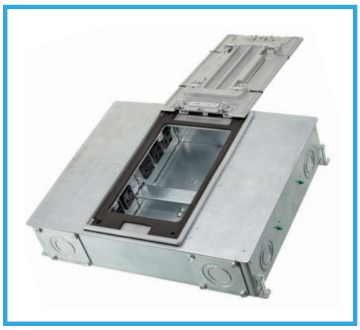
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# ETERNAL™ Series Products at a Glance



### 2-Gang Recessed

The Hubbell SystemOne 2-Gang Recessed Concrete Floor Box offers eight styles, satisfying the requirements of almost any commercial building application. Rectangular or round covers, as well as furniture feed covers, are available in a variety of finishes to blend with any existing or new décor. A parallel-device layout reduces plug interference, maximizing functionality and performance.



### 4-Gang Recessed

Similar to the 2-Gang Recessed Concrete Floor Box, Hubbell's SystemOne 4-Gang Recessed Concrete Floor Box is available with rectangular or round covers. Ten different styles make it possible to meet the electrical requirements of most commercial projects - new construction or renovation. The parallel device layout maximizes functionality which can be limited when devices are mounted 90° from one another.



### 4/5-Gang Recessed

The 4/5-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allows for 2" conduit feed-thru allowing for dual serivce capacity.



### 6-Gang Recessed

Increased power, data, and AV capacity is what the Hubbell SystemOne 6-Gang Recessed Concrete Floor Box was designed to handle. Four styles allow the floor box to work within almost any commercial application to enhance connectivity. Four removable knockout plates allows for 2" conduit feed-thru. Rectangular and round covers are available in a variety of finishes that work with any aesthetic or finish.



### 8/10-Gang Recessed

With maximum capacity in a small footprint, the 8/10-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allows for 2" conduit feed-thru allowing for simple installation of AV cables with pre-connectorized heads and specific bend radius requirements.

## Box

- 3.75" deep wiring device chambers
- 14 gauge galvanized sheet metal and PVC and Cast Iron
- Optional fusion-bonded, green epoxy paint for on-grade use
- 3 in. and deeper versions accept field installed metallic 2" threaded hubs
- Patented PVC conduit adapters, CFBHUB200PVC for 2 in. feed-thru and CFBHUB125PVC for 1¼" feed-thrucan be used on metal and PVC floorboxes
- Pre-pour and post-pour adjustment
- Patented, labor saving, easy mount device plates
- Exclusive 4-Gang PVC concrete floor boxes can be used for slab on grade and second floor and above concrete floors

## Cover

- Available in round and rectangular, recessed and furniture feed styles
- Recessed covers open a full 180°
- Large hide-a-way cable egress doors
- Listed to UL 514A and UL Scrubwater compliant
- Die cast aluminum cover construction
- All covers are ADA compliant



### 4-Gang PVC Recessed

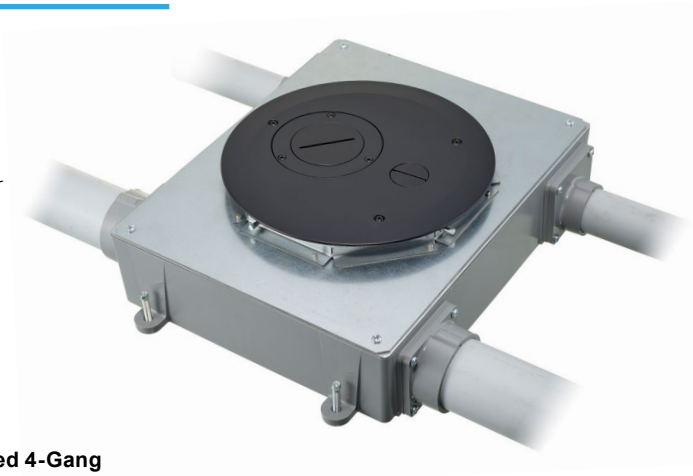
The exclusive 4-Gang Recessed Concrete PVC Floor Box is available with rectangular or round covers. The unique floor box design can be installed slab on-grade and second floors and above. Box includes external leveling screws. For use with PVC conduits only; with standard PVC terminal adapters or Hubbell's innovative PVC hubs up to 2" conduit.

## Features and Benefits

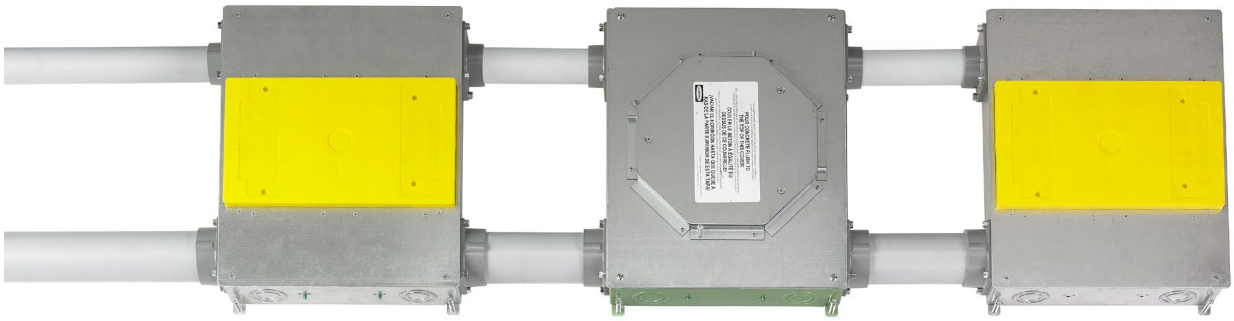
### SystemOne ETERNAL™ Recessed Floor Boxes for Concrete Floors

Featuring the unique capabilities of Hubbell's SystemOne family design. Hubbell has enhanced and expanded its floor box offering to provide industry leading installation flexibility while accommodating an extensive range of applications. Hubbell SystemOne ETERNAL™ Series products are constructed to address customers personal solutions for today's demanding, power, data and audio/video and for tomorrow's.

Hubbell SystemOne ETERNAL™ Series concrete floorboxes with box depths of 3 inches and larger can be field installed with PVC and metallic hubs for feed-thru wiring. The enhanced box design also provides expanded device capacity and improved installation efficiency. These floorboxes will prove to be as indispensable asset to the building's delivery system infrastructure.



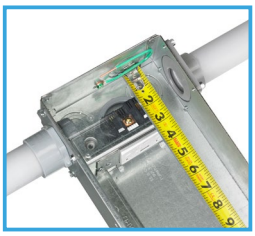
**Recessed 4-Gang Floor Boxes**





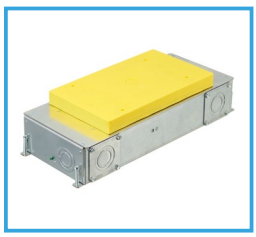
**Concrete Pour Pocket Cap**

- In concrete applications, all SystemOne Recessed floor boxes include (1) yellow factory installed, field-removable pour pocket cap provides a pocket in the final floor to accept the covers intended for terrazzo, tile, or finished concrete floor. The cap may not be used for carpet, wood or engineered floors



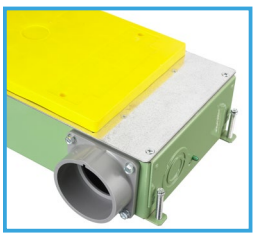
**Deep Wiring Chambers**

- The ETERNAL™ Series SystemOne Recessed concrete floor boxes have 3.75 inch deep wiring chambers to accommodate larger USB receptacles, AV modules and feed-thru wring



**Rectangular Cover Extension Caps**

- Pre-pour extension caps allows the floor box to be installed with 1 inch of concrete above the box. Maximum of two yellow caps can be installed on each box. Additional pre-pour caps purchased in packs of twos



**2 Inch Conduit Ready**

- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch PVC or threaded conduit hub. The offset design allows for less conduit lifting while threading and the hub mounting holes are asymmetrical for installation efficiencies



**Round Cover Stackable Rings**

- Pre-pour round stackable rings increases box height and concrete pour depth by ¾ in. increments



**CR Version**

- Corrosion resistant epoxy paint intended for on-grade use, the CR version is coated with fusion-bonded epoxy paint to help prevent corrosion

## Selecting a SystemOne ETERNAL™ Recessed Floor Box for Concrete Floors

To assist with the floor box selection process, please have the following information available:

| Electrical requirements: | Application: | Cover style: |
|---|---|---|
| Power (each electrical device requires one gang)<br>Data/AV (consult manufacturers' specification for size/volume requirements), number required.<br>Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box | On-grade (OG)<br>Above-grade (AG)<br>Minimum concrete pour depth | Round<br>Rectangular |

Once this information is gathered start on the capacity column:

① Capacity: Select necessary box.

② Application: Select the concrete pour depth and on-grade or above-grade application.

③ Cover style: Select round or rectangular cover.

④ Locate interconnecting point of all three categories and move to right to select correct catalog number.

| Electrical Requirements - Capacity ① | Application - Minimum Pour Depth ② | | | | | | | | | | | | Steel | Corrosion Resistant | PVC | Cast Iron | Select Correct Catalog Number ④ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 ½ in. | | 3 in. | | 3 ¼ in. | | 3 ¾ in. | | 5 ½ in. | | 6 ¼ in. | | | | | | |
| | AG | OG | AG | OG | AG | OG | AG | OG | AG | OG | AG | OG | | | | | |
| 2-Gang | • | | | | | | | | | | | | • | | | | CFB2G25E |
| | | • | | | | | | | | | | | | • | | | CFB2G25CRE |
| | | | • | | | | | | | | | | • | | | | CFB2G30E |
| | | | | • | | | | | | | | | | • | | | CFB2G30CRE |
| | | | | | • | | | | | | | | • | | | | CFB2G25RE |
| | | | | | | • | | | | | | | | • | | | CFB2G25RCRE |
| | | | | | | | • | | | | | | • | | | | CFB2G30RE |
| | | | | | | | | • | | | | | | • | | | CFB2G30RCRE |
| 4-Gang | | | • | • | • | • | | | | | | | | • | • | | CFB4G30PFBE |
| | | | | | | | • | • | | | | | | • | • | | CFB4G30PFBRE |
| | • | | | | | | | | | | | | • | | | | CFB4G25E |
| | | • | | | | | | | | | | | | • | | | CFB4G25CRE |
| | | | • | | | | | | | | | | • | | | | CFB4G30E |
| | | | | • | | | | | | | | | | • | | | CFB4G30CRE |
| | | | | | • | | | | | | | | • | | | | CFB4G25RE |
| | | | | | | • | | | | | | | | • | | | CFB4G25RCRE |
| | | | | | | | • | | | | | | • | | | | CFB4G30RE |
| | | | | | | | | • | | | | | | • | | | CFB4G30RCRE |
| | | | | • | | | | | | | | | | • | | • | CFB4G30CI |
| | | | | | | | | • | | | | | | • | | • | CFB4G30RCI |
| 4/5-Gang | | | | | | | | | • | | | | | | | | CFB45G55E |
| | | | | | | | | | | • | | | | • | | | CFB45G55CRE |
| | | | | | | | | | | | • | | | | | | CFB45G55RE |
| | | | | | | | | | | | | • | | • | | | CFB45G55RCRE |
| 6-Gang | | | • | | | | | | | | | | • | | | | CFB6G30E |
| | | | | • | | | | | | | | | | • | | | CFB6G30CRE |
| | | | | | | | • | | | | | | • | | | | CFB6G30RE |
| | | | | | | | | • | | | | | | • | | | CFB6G30RCR |
| 10-Gang | | | | | | | | | • | | | | • | | | | CFB10G55E |
| | | | | | | | | | | • | | | | • | | | CFB10G55CRE |
| | | | | | | | | | | | • | | • | | | | CFB10G55RE |
| | | | | | | | | | | | | • | | • | | | CFB10G55RCRE |
| | Rectangular | | Rectangular | | Round | | Round | | Rectangular | | Round | | | | | | |
| | Cover Style ③ | | | | | | | | | | | | | | | | |

## Features and Benefits

### SystemOne ETERNAL™ Recessed Benefits and Enhancements

**Functionality**

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Common door layout regardless of flange for harmonized look
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- All SystemOne covers are ADA compliant
- Cables and plugs are protected by recessed connections

**Value**

- Easy selection with common look for all floor types
- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers

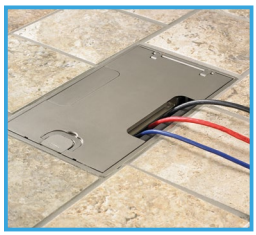
**Online Resources**

- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com



Recessed 4-Gang Floor Boxes with Recessed and Furniture Feed Covers





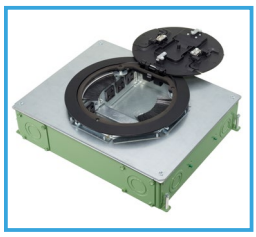
**Safety**

- Flush flange available for tile, finished concrete or Terrazzo
- Surface flange available for carpeted floors with 0.15 in. rise meets ADA requirements
- Hideaway egress doors fold under cover while in use



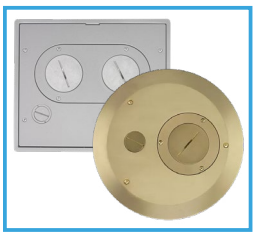
**Family Look**

- Hubbell SystemOne Recessed Floor Box line offers a common look regardless of capacity or installation. This simple concept ensures a consistent look throughout a building with rectangular or round covers. Round covers lend themselves to multi-story buildings also using Fire-Rated Poke-Through devices



**Service Access**

- All covers have 180° opening of main door
- Larger cover openings allows for easier device installation and end user access
- Larger access area makes for effortless device engagement



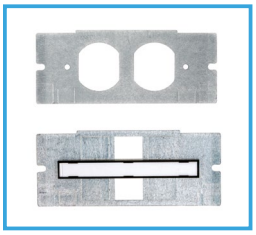
**Recessed and Furniture Feed Covers**

- Hubbell SystemOne 2, 4, 6 and 10-Gang Recessed Floor Box line offers dynamic installation flexibility. Each box series has rectangular and round cover options with recessed and furniture feed cover capabilities



**Pre-Wired Mounting Plates**

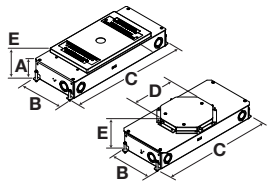
- Pre-wired duplex, StyleLine® and 3- Cube receptacles with 8 in. stranded leads are installed into plates to allow for even more labor savings
- Pre-Wired plates include Tamper Resistant, CONTROLLED and Isolated Ground



**Single Screw Device Mounting Plates**

- 2, 4 and 6-gang boxes offers line voltage and low voltage device plates with a patented single screw installation which maximizes installation efficiency by reducing install time

## SystemOne Recessed 2-Gang Floor Boxes and Covers, for Use In Concrete Floors

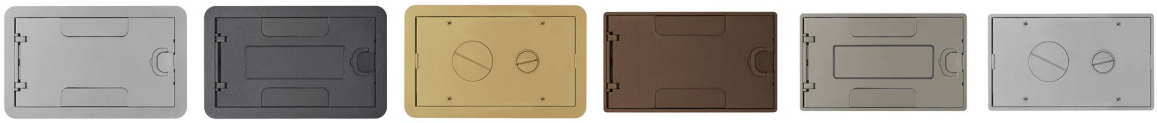
| Style | Rectangular Cover | | Round Cover | |
|---|---|---|---|---|
| |  |  |  |  |
| Box Type | | | | |
| Standard Box<br>Corrosion-Resistant (On-grade) | **CFB2G30E**<br>**CFB2G30CRE** | **CFB2G25E**<br>**CFB2G25CRE** | **CFB2G30RE**<br>**CFB2G30RCRE** | **CFB2G25RE**<br>**CFB2G25RCRE** |
| Recommended Pour Depth | 3.50" (88.9) | 3.00" (76.2) | 3.75" (95.3) | 3.25" (82.6) |
| Min. Depth of Pour | 3.00" (76.2) | 2.50" (63.5) | 3.75" (95.3) | 3.25" (82.6) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch (cm3) Capacity per Gang | 56.5 cu. in. (926 $cm^3$) | 47.5 cu. in. (778 $cm^3$) | 56.5 cu. in. (926 $cm^3$) | 47.5 cu. in. (778 $cm^3$) |
| Dimensions – A | 3.00" (76.2) | 2.50" (63.5) | – | – |
| Dimensions – B | 6.62" (168.1) | 6.62" (168.1) | 7.32" (185.9) | 7.32" (185.9) |
| Dimensions – C | 16.27" (413.3) | 16.27" (413.3) | 16.27" (413.3) | 16.27" (413.3) |
| Dimensions – D | – | – | 6.37" (161.7) TYP. | 6.37" (161.7) TYP. |
| Dimensions – E | 3.50" (88.9) | 3.00" (76.2) | 3.75" (95.3) | 3.25" (82.6) |
| KO Trade Size: Ends<br>Sides<br>Bottom | (2) ½", ¾", 1", 1¼"<br>(4) ¾", 1", 1¼", 2"*<br>(4) ½", ¾", 1", 1¼" | (2) ½", ¾", 1"<br>(4) ½", ¾", 1"<br>(4) ½", ¾", (4) 1", 1¼" | (2) ½", ¾", 1", 1¼"<br>(4) ¾", 1", 1¼", 2"*<br>(4) ½", ¾", 1", 1¼" | (2) ½", ¾", 1"<br>(4) ½", ¾", 1"<br>(4) ½", ¾", 1", 1¼" |
| Cover Style | Rectangular | Rectangular | Round | Round |
| 2 Inch Hub Compatible | Yes | No | Yes | No |

*Note: UL File Number E31999. Boxes include concrete covers.*
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

## Rectangular Covers

- Compatible with **CFB2G25**, **CFB2G25CR**, **CFB2G30** and **CFB2G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

| | Surface Cover Dimensions $11^{11}/_{16}$ in. x $7^{3}/_{16}$ in. | | | Flush Cover Dimensions $10^{11}/_{16}$ in. x $6^{3}/_{16}$ in. | | |
|---|---|---|---|---|---|---|
| Finish | Without Insert | With Insert | Furniture Feed (1 in. and 2 in. Plugs) | Without Insert | With Insert | Furniture Feed (1 in. and 2 in. Plugs) |
| Aluminum Powder Coat | **24GCCVRALU** | **24GCCVRALUC** | **24GCFFCVRALU** | **24GTCVRALU** | **24GTCVRALUC** | **24GTFFCVRALU** |
| Black Powder Coat | **24GCCVRBK** | **24GCCVRBKC** | **24GCFFCVRBK** | **24GTCVRBK** | **24GTCVRBKC** | **24GTFFCVRBK** |
| Brass Powder Coat | **24GCCVRBRS** | **24GCCVRBRSC** | **24GCFFCVRBRS** | **24GTCVRBRS** | **24GTCVRBRSC** | **24GTFFCVRBRS** |
| Bronze Powder Coat | **24GCCVRBRZ** | **24GCCVRBRZC** | **24GCFFCVRBRZ** | **24GTCVRBRZ** | **24GTCVRBRZC** | **24GTFFCVRBRZ** |
| Satin Nickel Powder Coat | **24GCCVRNK** | **24GCCVRNKC** | **24GCFFCVRNK** | **24GTCVRNK** | **24GTCVRNKC** | **24GTFFCVRNK** |



Aluminum Powder Coat | Black Powder Coat | Brass Powder Coat | Bronze Powder Coat | Satin Nickel Powder Coat | Aluminum Powder Coat

## 6 Inch Round Covers

- Compatible with **CFB2G25R, CFB2G25RCR, CFB2G30R** and **CFB2G30RCR** Series Floor Boxes
- Cover flanges have a 7½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers ship with low voltage dividers

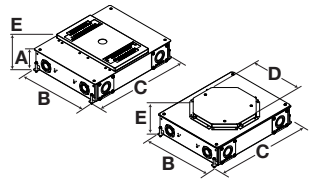
| Finish | Flush Surface | Furniture Feed (¾ in. and 2 in. Plugs) |
|---|---|---|
| Brushed Aluminum | **CFBS1R6CVRALU** | **CFBS1R6FFCVRALU** |
| Black Powder Coat | **CFBS1R6CVRBLK** | **CFBS1R6FFCVRBLK** |
| Brass Plated | **CFBS1R6CVRBRS** | **CFBS1R6FFCVRBRS** |
| Antique Bronze Plated | **CFBS1R6CVRBRZ** | **CFBS1R6FFCVRBRZ** |
| Gray Powder Coat | **CFBS1R6CVRGRY** | **CFBS1R6FFCVRGRY** |
| Satin Nickel Plated | **CFBS1R6CVRNKL** | **CFBS1R6FFCVRNKL** |



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page P5 for round cover finishes.*

*Dimensions in Inches (mm)*

## SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

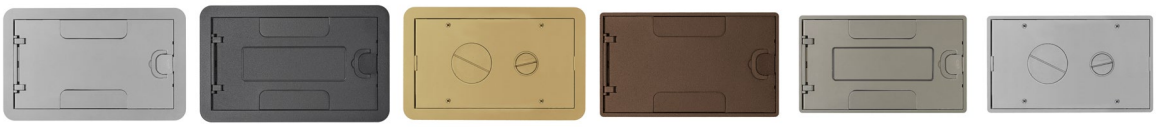
| Style | Rectangular Cover | | Round Cover | |
|---|---|---|---|---|
|  |  |  |  |  |
| Box Type | | | | |
| Standard Box<br>Corrosion-Resistant (On-grade) | **CFB4G30E**<br>**CFB4G30CRE** | **CFB4G25E**<br>**CFB4G25CRE** | **CFB4G30RE**<br>**CFB4G30RCRE** | **CFB4G25RE**<br>**CFB4G25RCRE** |
| Recommended Pour Depth | 3.50" (88.9) | 3.00" (76.2) | 3.75" (95.3) | 3.25" (82.6) |
| Min. Depth of Pour | 3.00" (76.2) | 2.50" (63.5) | 3.75" (95.3) | 3.25" (82.6) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch (cm3) Capacity per Gang | 51.0 cu. in. (835.0 $cm^3$) | 41.5 cu. in. (680.0 $cm^3$) | 51.0 cu. in. (835.0 $cm^3$) | 41.5 cu. in. (680.0 $cm^3$) |
| Dimensions – A | 3.00" (76.2) | 2.50" (63.5) | – | – |
| Dimensions – B | 11.33" (276.5) | 11.20" (284.5) | 11.20" (284.5) | 11.20" (284.5) |
| Dimensions – C | 14.57" (370.1) | 14.57" (370.1) | 14.57" (370.1) | 14.57" (370.1) |
| Dimensions – D | – | – | 8.37" (212.5) TYP. | 8.37" (212.5) TYP. |
| Dimensions – E | 3.50" (88.9) | 3.00" (76.2) | 3.75" (95.3) | 3.25" (82.6) |
| KO Trade Size: Ends<br>Sides<br>Bottom | (4) ½", ¾", 1", 1¼"<br>(4) ¾", 1", 1¼", 2"*<br>(4) ½", ¾", 1", 1¼" | (4) ½", ¾", 1"<br>(4) ½", ¾", 1"<br>(4) ½", ¾", (4) 1", 1¼" | (4) ½", ¾", 1", 1¼"<br>(4) ¾", 1", 1¼", 2"*<br>(4) ½", ¾", 1", 1¼" | (4) ½", ¾", 1"<br>(4) ½", ¾", 1"<br>(4) ½", ¾", (4) 1", 1¼" |
| Cover Style | Rectangular | Rectangular | Round | Round |
| 2 Inch Hub Compatible | Yes | No | Yes | No |

*Note: UL File Number E31999. Boxes include concrete covers.*
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

## Rectangular Covers

- Compatible with **CFB4G25, CFB4G25CR, CFB4G30** and **CFB4G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

| | Surface Cover dimensions 11 11/16 in. x 7 3/16 in. | | | Flush Cover dimensions 10 11/16 in. x 6 3/16 in. | | |
|---|---|---|---|---|---|---|
| Finish | Without Insert | With Insert | Furniture Feed (1 in. and 2 in. Plugs) | Without Insert | With Insert | Furniture Feed (1 in. and 2 in. Plugs) |
| Aluminum Powder Coat | **24GCCVRALU** | **24GCCVRALUC** | **24GCFFCVRALU** | **24GTCVRALU** | **24GTCVRALUC** | **24GTFFCVRALU** |
| Black Powder Coat | **24GCCVRBK** | **24GCCVRBKC** | **24GCFFCVRBK** | **24GTCVRBK** | **24GTCVRBKC** | **24GTFFCVRBK** |
| Brass Powder Coat | **24GCCVRBRS** | **24GCCVRBRSC** | **24GCFFCVRBRS** | **24GTCVRBRS** | **24GTCVRBRSC** | **24GTFFCVRBRS** |
| Bronze Powder Coat | **24GCCVRBRZ** | **24GCCVRBRZC** | **24GCFFCVRBRZ** | **24GTCVRBRZ** | **24GTCVRBRZC** | **24GTFFCVRBRZ** |
| Satin Nickel Powder Coat | **24GCCVRNK** | **24GCCVRNKC** | **24GCFFCVRNK** | **24GTCVRNK** | **24GTCVRNKC** | **24GTFFCVRNK** |



Aluminum Powder Coat | Black Powder Coat | Brass Powder Coat | Bronze Powder Coat | Satin Nickel Powder Coat | Aluminum Powder Coat

## 8 Inch Round Covers

- Compatible with **CFB4G25R, CFB4G25RCR, CFB4G30R,** and **CFB4G30RCR** Series Floor Boxes
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

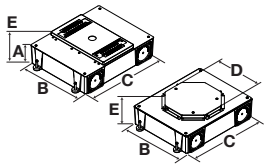
| Finish | Flush Surface | Furniture Feed (1 in. and 2 in. Plugs) |
|---|---|---|
| Brushed Aluminum | **CFBS1R8CVRALU** | **CFBS1R8FFCVRALU**** |
| Black Powder Coat | **CFBS1R8CVRBLK** | **CFBS1R8FFCVRBLK**** |
| Brass Plated | **CFBS1R8CVRBRS** | **CFBS1R8FFCVRBRS**** |
| Antique Bronze Plated | **CFBS1R8CVRBRZ** | **CFBS1R8FFCVRBRZ**** |
| Gray Powder Coat | **CFBS1R8CVRGRY** | **CFBS1R8FFCVRGRY**** |
| Satin Nickel Plated | **CFBS1R8CVRNKL** | **CFBS1R8FFCVRNKL**** |



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 4-gang box dual service, **CFBS1R8FF4GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.*

*Dimensions in Inches (mm)*

## SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

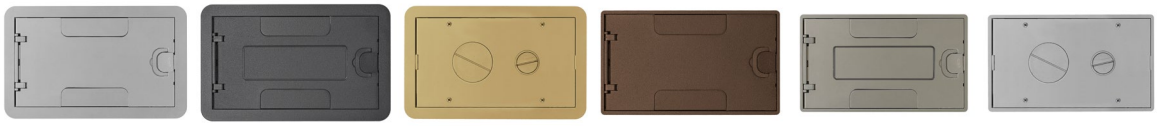
| Style | PVC Boxes | | Cast Iron Boxes | |
|---|---|---|---|---|
| Box Type |  |  |  |  |
| PVC Base Box (On-grade) | **CFB4G30PFBE** | **CFB4G30PFBRE** | – | – |
| Cast Iron Box (On-grade) | – | – | **CFB4G30CI** | **CFB4G30RCI** |
| Recommended Pour Depth | 3.75" (95.3) | 4.00 (101.6) | 3.75" (95.3) | 4.00" (101.6) |
| Min. Depth of Pour | 3.25" (82.6) | 4.00 (101.6) | 3.25" (82.6) | 4.00" (101.6) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch (cm3) Capacity per Gang | 51.0 cu. in. (835.0 $cm^3$) | 51.0 cu. in. (835.0 $cm^3$) | 30.0 cu. in. (491.7 $cm^3$) | 30.0 cu. in. (491.7 $cm^3$) |
| Dimensions – A | 3.25" (82.6) | – | 3.25" (82.6) | – |
| Dimensions – B | 11.20" (284.5) | 11.20" (284.5) | 11.44" (290.5) | 11.44" (290.5) |
| Dimensions – C | 15.70" (398.8) | 15.70" (398.8) | 13.19" (335.1) | 13.19" (335.1) |
| Dimensions – D | – | 8.37" (212.5) TYP. | – | 8.37" (212.5) TYP. |
| Dimensions – E | 3.75" (95.3) | 4.00 (101.6) | 3.75" (95.3) | 4.00" (101.6) |
| KO Trade Size: Ends | – | – | (4) 1½" NPT Thread | (4) 1½" NPT Thread |
| KO Trade Size: Sides | Requires Drilling Openings. PVC Conduit Only: 1¼" Maximum Size * | Requires Drilling Openings. PVC Conduit Only: 1¼" Maximum Size * | (4) ¾" NPT Thread | (4) ¾" NPT Thread |
| KO Trade Size: Bottom | Requires Drilling Openings. PVC Conduit Only: 1½" Maximum Size | Requires Drilling Openings. PVC Conduit Only: 1½" Maximum Size | – | – |
| Cover Style | Rectangular | Round | Rectangular | Round |
| 2 Inch Hub Compatible | Yes | Yes | No | No |

*Note: UL File Number E31999. Boxes include concrete covers.*
**Requires PVC Hubs, CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

## Rectangular Covers

- Compatible with **CFB4G25, CFB4G25CR, CFB4G30** and **CFB4G30CR** Series Floor Boxes **CFB4G30PFBE**
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

| | Surface Cover dimensions 11 1/16 in. x 7 3/16 in. | | | Flush Cover dimensions 10 1/16 in. x 6 3/16 in. | | |
|---|---|---|---|---|---|---|
| Finish | Without Insert | With Insert | Furniture Feed (1 in. and 2 in. Plugs) | Without Insert | With Insert | Furniture Feed (1 in. and 2 in. Plugs) |
| Aluminum Powder Coat | **24GCCVRALU** | **24GCCVRALUC** | **24GCFFCVRALU** | **24GTCVRALU** | **24GTCVRALUC** | **24GTFFCVRALU** |
| Black Powder Coat | **24GCCVRBK** | **24GCCVRBKC** | **24GCFFCVRBK** | **24GTCVRBK** | **24GTCVRBKC** | **24GTFFCVRBK** |
| Brass Powder Coat | **24GCCVRBRS** | **24GCCVRBRSC** | **24GCFFCVRBRS** | **24GTCVRBRS** | **24GTCVRBRSC** | **24GTFFCVRBRS** |
| Bronze Powder Coat | **24GCCVRBRZ** | **24GCCVRBRZC** | **24GCFFCVRBRZ** | **24GTCVRBRZ** | **24GTCVRBRZC** | **24GTFFCVRBRZ** |
| Satin Nickel Powder Coat | **24GCCVRNK** | **24GCCVRNKC** | **24GCFFCVRNK** | **24GTCVRNK** | **24GTCVRNKC** | **24GTFFCVRNK** |



Aluminum Powder Coat | Black Powder Coat | Brass Powder Coat | Bronze Powder Coat | Satin Nickel Powder Coat | Aluminum Powder Coat

## 8 Inch Round Covers

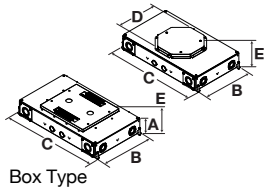
- Compatible with **CFB4G25R, CFB4G25RCR, CFB4G30R,** and **CFB4G30RCR** Series Floor Boxes **CFB4G30PFBRE**
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

| Finish | Flush Surface | Furniture Feed (1 in. and 2 in. Plugs) |
|---|---|---|
| Brushed Aluminum | **CFBS1R8CVRALU** | **CFBS1R8FFCVRALU**** |
| Black Powder Coat | **CFBS1R8CVRBLK** | **CFBS1R8FFCVRBLK**** |
| Brass Plated | **CFBS1R8CVRBRS** | **CFBS1R8FFCVRBRS**** |
| Antique Bronze Plated | **CFBS1R8CVRBRZ** | **CFBS1R8FFCVRBRZ**** |
| Gray Powder Coat | **CFBS1R8CVRGRY** | **CFBS1R8FFCVRGRY**** |
| Satin Nickel Plated | **CFBS1R8CVRNKL** | **CFBS1R8FFCVRNKL**** |



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 4-gang box dual service, **CFBS1R8FF4GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.*
*Dimensions in Inches (mm)*

## SystemOne Recessed 6-Gang Floor Boxes and Covers, for Use In Concrete Floors

| Style | Rectangular Cover | | Round Cover | |
|---|---|---|---|---|
| Box Type  |  |  |  |  |
| Standard Box Corrosion-Resistant Box (On-grade) | **CFB6G30E** – | – **CFB6G30CRE** | **CFB6G30RE** – | – **CFB6G30RCRE** |
| Recommended Pour Depth | 3.50" (88.9) | 3.50" (88.9) | 3.75" (95.3) | 3.75" (95.3) |
| Min. Depth of Pour | 3.00" (76.2) | 3.00" (76.2) | 3.75" (95.3) | 3.75" (95.3) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch (cm3) Ends- Capacity/Gang | 108.5 cu. in. (1778 $cm^3$) | 108.5 cu. in. (1778 $cm^3$) | 108.5 cu. in. (1778 $cm^3$) | 108.5 cu. in. (1778 $cm^3$) |
| Cubic Inch (cm3) Sides- Capacity/Gang | 33.0 cu. in. (510 $cm^3$) | 33.0 cu. in. (510 $cm^3$) | 33.0 cu. in. (510 $cm^3$) | 33.0 cu. in. (510 $cm^3$) |
| Dimensions – A | 3.00" (76.2) | 3.00" (76.2) | 3.00" (76.2) | 3.00" (76.2) |
| Dimensions – B | 11.54" (293.0) | 11.54" (293.0) | 11.54" (293.0) | 11.54" (293.0) |
| Dimensions – C | 19.68" (499.9) | 19.68" (499.9) | 19.68" (499.9) | 19.68" (499.9) |
| Dimensions – D | – | – | 8.37" (212.5) TYP. | 8.37" (212.5) TYP. |
| Dimensions – E | 3.50" (88.9) | 3.50" (88.9) | 3.75" (95.3) | 3.75" (95.3) |
| KO Trade Size: Ends | (4) ½", ¾", 1", 1¼" | (4) ½", ¾", 1", 1¼" | (4) ½", ¾", 1", 1¼" | (4) ½", ¾", 1", 1¼" |
| Sides | (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" | (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" | (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" | (4) ¾", 1", 1¼", 2"*, (4) ½", ¾" |
| Bottom | (4) ½", ¾", 1", 1¼", (4) ½", ¾" | (4) ½", ¾", 1", 1¼", (4) ½", ¾" | (4) ¾", 1", 1¼", 1½", (4) ½", ¾" | (4) ¾", 1", 1¼", 1½", (4) ½", ¾" |
| Cover Style | Rectangular | Rectangular | Round | Round |
| 2 Inch Hub Compatible | Yes | Yes | Yes | Yes |

*Note: UL File Number E31999. Boxes include concrete covers.*
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

## Rectangular Covers

- Compatible with **CFB6G30** and **CFB6G30CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

| | Surface Cover Dimensions 11½ in. x 10 in. | | | Flush Cover Dimensions 10½ in. x 9 in. | | |
|---|---|---|---|---|---|---|
| Finish | Without Insert | With Insert | Furniture Feed ((2)1 in. and (2) 2 in. Plugs) | Without Insert | With Insert | Furniture Feed ((2)1 in. and (2) 2 in. Plugs) |
| Aluminum Powder Coat | **610GCCVRALU** | **610GCCVRALUC** | **610GCFFCVRALU*** | **610GTCVRALU** | **610GTCVRALUC** | **610GTFFCVRALU*** |
| Black Powder Coat | **610GCCVRBK** | **610GCCVRBKC** | **610GCFFCVRBK*** | **610GTCVRBK** | **610GTCVRBKC** | **610GTFFCVRBK*** |
| Brass Powder Coat | **610GCCVRBRS** | **610GCCVRBRSC** | **610GCFFCVRBRS*** | **610GTCVRBRS** | **610GTCVRBRSC** | **610GTFFCVRBRS*** |
| Bronze Powder Coat | **610GCCVRBRZ** | **610GCCVRBRZC** | **610GCFFCVRBRZ*** | **610GTCVRBRZ** | **610GTCVRBRZC** | **610GTFFCVRBRZ*** |
| Satin Nickel Powder Coat | **610GCCVRNK** | **610GCCVRNKC** | **610GCFFCVRNK*** | **610GTCVRNK** | **610GTCVRNKC** | **610GTFFCVRNK*** |

*Note: * For 6-gang box dual service, **CFB6FFDIVKIT** required with Furniture Feed covers. Purchased separately.*


Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat


Aluminum Powder Coat

## 8 Inch Round Covers

- Compatible with **CFB6G30R** and **CFB6G30RCR** Series Floor Boxes
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

| Finish | Flush Surface | Furniture Feed (1 in.and 2 in. Plugs) |
|---|---|---|
| Brushed Aluminum | **CFBS1R8CVRALU** | **CFBS1R8FFCVRALU**** |
| Black Powder Coat | **CFBS1R8CVRBLK** | **CFBS1R8FFCVRBLK**** |
| Brass Plated | **CFBS1R8CVRBRS** | **CFBS1R8FFCVRBRS**** |
| Antique Bronze Plated | **CFBS1R8CVRBRZ** | **CFBS1R8FFCVRBRZ**** |
| Gray Powder Coat | **CFBS1R8CVRGRY** | **CFBS1R8FFCVRGRY**** |
| Satin Nickel Plated | **CFBS1R8CVRNKL** | **CFBS1R8FFCVRNKL**** |





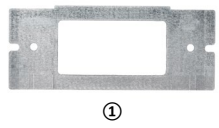
*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 6-gang box dual service, **CFBS1R8FF6GDIVKIT** required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes.*

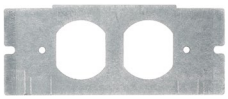
*Dimensions in Inches (mm)*

## Plates for Use in SystemOne 2, 4 and 6-Gang Floor Boxes

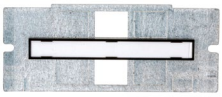
- UL 514A listed

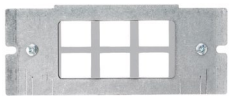
| Cat. No. | Plate Style | Cat. No. | Plate Style |
|---|---|---|---|
| **FBMPREC** ① | (1) Decorater Opening | **FBMPDUP** ② | (1) Duplex Opening |
| **FBMP139** | (1) Simplex Opening 1.40 in. Diameter | **FBMP156** | (1) Twist-Lock® Opening 1.60 in. Diameter |
| **FBMP6DJ** ④ | (1) Hubbell Keystone Jack Openings and (4) Jack KOs with Label Field | **FBMP6KS** ⑤ | (1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks |
| **FBMP15IM** | (1) 1.5U Hubbell iStation Opening | **FBMP2IM** | (2) 1U Hubbell iStation Openings |
| **FBMPBNK** ③ | 1-Gang Blank Plate | **FBMPFT** | Cable Feed Though with Bushing |
| **FBMPAAP** | (2) Extron® AAP Openings | **FBMPMAAP** | (2) Extron® MAAP Openings |
| **FBMPTRAC** | (1) Opening for Tracjack® or Seies II® | **FBMPSIEMONCT** | Siemon CT Series |

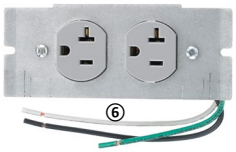

①


②


③


④


⑤


⑥

## Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 in. stranded leads mounted to the face plate

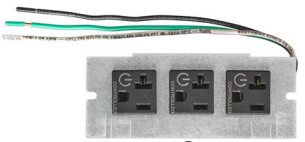
| Description | Type | 20A |
|---|---|---|
| Duplex, Gray. | Standard<br>Tamper-Resistant | **PWFBMPCR20GRY** ⑥<br>**PWFBMPCR20GRYTR** |
| Decorator, Gray. | Standard<br>Tamper-Resistant | **PWFBMPDR20GRY**<br>**PWFBMPDR20GRYTR** |
| 2-Cubes,Single Circuit | Standard<br>Marked Controlled | **PWFBMP2R***<br>**PWFBMP2RC*** |
| 3-Cubes,Single Circuit | Standard<br>Marked Controlled | **PWFBMP3R***<br>**PWFBMP3RC*** ⑦ |

*Note: *Includes Isolated Ground Sticker*

## Accessories

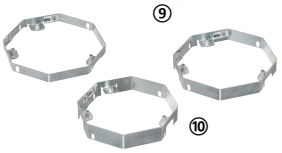
| Description | | Catalog Number |
|---|---|---|
| (1) 2" threaded zinc hub for use with **CFB2G30**, **CFB4G30** and **CFB6G30** series floor boxes; replaces **CFBKOPLATE.** | | **CFBHUB2** ⑧ |
| (2) 1-1/4" PVC hubs with reducers for use with **CFB2G30**, **CFB4G30** and **CFB6G30** floor boxes; replaces **CFBKOPLATE**. Reducers includes: (2) 1" Reducers, (2) 3/4" Reducers, and (2) 1/2" Reducers/Plugs. | | **CFBHUB125PVC** |
| (2) 2" PVC hubs with reducers for use with **CFB2G30**, **CFB4G30** and **CFB6G30** floor boxes; replaces **CFBKOPLATE**. Reducers includes: (2) 1-1/2" Reducers, (2) 1-1/4" Reducers, and (2) 1" Reducers/Plugs. | | **CFBHUB200PVC** ⑨ |
| Replacement knock-out plate. | Standard<br>Epoxy Coating | **CFBKOPLATE**<br>**CFBKOPLATECR** |
| ETERNAL™ Replacement Round Cover Adapter, 2-Gang Floor Box | | **CFB2GS1R6ADAPTE** |
| ETERNAL™ Replacement Round Cover Adapter, 4-Gang Floor Box | | **CFB4GS1R8ADAPTE** |
| ETERNAL™ Replacement Round Cover Adapter, 6-Gang Floor Box | | **CFB6GS1R8ADAPTE** |
| CFB4G box series replacement dividers.<br>CFB6G box series replacement dividers. | | **CFB4GDIVKIT**<br>**CFB6GEDIVKIT** |
| Stackable ring to increase box height and concrete pour depth by ¾ in. increments above top plane of floor box. One ring per ¾ in. depth increase. **Must be installed before concrete pour.** | 2-Gang<br>**CFB6RCVRR075** | 4 and 6-Gang<br>**CFB8RCVRR075** |
| Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series. | 0 - ¼ in. **CFB6RCVRR1***<br>¼ in. - ½ in. **CFB6RCVRR2** ⑩<br>½ in. - ¾ in. **CFB6RCVRR3** | **CFB8RCVRR1****<br>**CFB8RCVRR2**<br>**CFB8RCVRR3** |
| | 2 and 4-Gang | 6-Gang |
| Rectangular pre-pour ½ in. extension caps (2 pack). | **24GEXTENDCAP2PK** ⑪ | **610GEXTENDCAP2PK** |
| Replacement temporary rectangular steel and yellow concrete pre-pour covers | **24GTEMPCVR** | **610GTEMPCVR** |

*Note: *Included with standard **CFB2G30R** and **CFB2G25R** series floor boxes.*
***Included with standard **CFB4G30R, CFB4G25R and CFB6G30R** series floor boxes.*


⑦


⑧


⑨

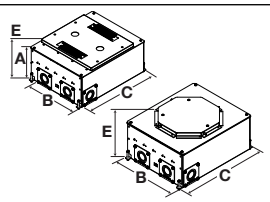

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⑪

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*Dimensions in Inches (mm)*

## SystemOne Recessed 4/5-Gang Floor Boxes and Covers, for Use In Concrete Floors

| Style | Rectangular Cover | | Round Cover | |
|---|---|---|---|---|
| Box Type |  | | | |
| Standard Box<br>Corrosion-Resistant Box (On-grade) | **CFB45G55E**<br>**–** | **–**<br>**CFB45G55CRE** | **CFB45G55RE**<br>**–** | **–**<br>**CFB45G55RCRE** |
| Recommended Pour Depth | 6.00" (152.4) | 6.00" (152.4) | 6.25" (158.8) | 6.25" (158.8) |
| Min. Depth of Pour | 5.50" (139.7) | 5.50" (139.7) | 6.25" (158.8) | 6.25" (158.8) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch (cm3) Capacity per Gang | 99/105 cu. in. | 99/105 cu. in. | 99/105 cu. in. | 99/105 cu. in. |
| | (1621/1721 $cm^3$) | (1621/1721 $cm^3$) | (1621/1721 $cm^3$) | (1621/1721 $cm^3$) |
| Dimensions – A | 5.59" (142.0) | 5.59" (142.0) | – | – |
| Dimensions – B | 11.09" (281.6) | 11.09" (281.6) | 11.09" (281.6) | 11.09" (281.6) |
| Dimensions – C | 14.14" (359.2) | 14.14" (359.2) | 14.14" (359.2) | 14.14" (359.2) |
| Dimensions – D | – | – | 8.37" (212.5) TYP. | 8.37" (212.5) TYP. |
| Dimensions – E | 5.50" (139.7) | 5.50" (139.7) | 6.25" (158.8) | 6.25" (158.8) |
| KO Trade Size: Ends<br>Sides<br>Bottom | (2) ¾", 1", 1¼", 2"*<br>(2) ¾", 1", 1¼", 2"*<br>(2) ½", ¾", 1", 1¼" | (2) ¾", 1", 1¼", 2"*<br>(2) ¾", 1", 1¼", 2"*<br>(2) ½", ¾", 1", 1¼" | (2) ¾", 1", 1¼", 2"*<br>(2) ¾", 1", 1¼", 2"*<br>(2) ½", ¾", 1", 1¼" | (2) ¾", 1", 1¼", 2"*<br>(2) ¾", 1", 1¼", 2"*<br>(2) ½", ¾", 1", 1¼" |
| Cover Style | Rectangular | Rectangular | Round | Round |
| 2 Inch Hub Compatible | Yes | Yes | Yes | Yes |

*Note: UL File Number E31999. Boxes include concrete covers.*
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

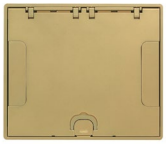
### Rectangular Covers

- Compatible with **CFB45G55E** and **CFB45G55CRE**
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

| | Cover Dimensions 11½ in. x 10 in. | | Cover Dimensions 10½ in. x 9 in. | |
|---|---|---|---|---|
| Finish | Surface | Surface with Insert | Flush | Flush with Insert |
| Aluminum Powder Coat | **610GCCVRALU** | **610GCCVRALUC** | **610GTCVRALU** | **610GTCVRALUC** |
| Black Powder Coat | **610GCCVRBK** | **610GCCVRBKC** | **610GTCVRBK** | **610GTCVRBKC** |
| Brass Powder Coat | **610GCCVRBRS** | **610GCCVRBRSC** | **610GTCVRBRS** | **610GTCVRBRSC** |
| Bronze Powder Coat | **610GCCVRBRZ** | **610GCCVRBRZC** | **610GTCVRBRZ** | **610GTCVRBRZC** |
| Satin Nickel Powder Coat | **610GCCVRNK** | **610GCCVRNKC** | **610GTCVRNK** | **610GTCVRNKC** |


Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat

### 8 Inch Round Covers

- Compatible with **CFB45G55RE** and **CFB45G55RCRE**
- Cover flanges have a 9½ in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors

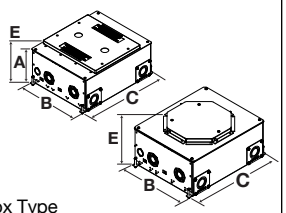
| Finish | Surface |
|---|---|
| Brushed Aluminum | **CFBS1R8CVRALU** |
| Black Powder Coat | **CFBS1R8CVRBLK** |
| Brass Plated | **CFBS1R8CVRBRS** |
| Antique Bronze Plated | **CFBS1R8CVRBRZ** |
| Gray Powder Coat | **CFBS1R8CVRGRY** |
| Satin Nickel Plated | **CFBS1R8CVRNKL** |



*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page Q5 for round cover finishes.*

*Dimensions in Inches (mm)*

## SystemOne Recessed 8†/10-Gang Floor Boxes and Covers, for Use In Concrete Floors

| Style | Rectangular Cover | | Round Cover | |
|---|---|---|---|---|
| Box Type |  |  |  |  |
| Standard Box<br>Corrosion-Resistant Box (On-grade) | **CFB10G55E**<br>**–** | **–**<br>**CFB10G55CRE** | **CFB10G55RE**<br>**–** | **–**<br>**CFB10G55RCRE** |
| Recommended Pour Depth | 6.00" (152.4) | 6.00" (152.4) | 6.25" (158.8) | 6.25" (158.8) |
| Min. Depth of Pour | 5.50" (139.7) | 5.50" (139.7) | 6.25" (158.8) | 6.25" (158.8) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch (cm3) Capacity per Gang | 35.0/69.5/99.0 cu. in. | 35.0/69.5/99.0 cu. in. | 35.0/69.5/99.0 cu. in. | 35.0/69.5/99.0 cu. in. |
| | (574/1139/1622 $cm^3$) | (574/1139/1622 $cm^3$) | (574/1139/1622 $cm^3$) | (574/1139/1622 $cm^3$) |
| Dimensions – A | 5.59" (142.0) | 5.59" (142.0) | – | – |
| Dimensions – B | 11.09" (281.6) | 11.09" (281.6) | 11.09" (281.6) | 11.09" (281.6) |
| Dimensions – C | 14.14" (359.2) | 14.14" (359.2) | 14.14" (359.2) | 14.14" (359.2) |
| Dimensions – D | – | – | 8.37" (212.5) TYP. | 8.37" (212.5) TYP. |
| Dimensions – E | 5.50" (139.7) | 5.50" (139.7) | 6.25" (158.8) | 6.25" (158.8) |
| KO Trade Size: Ends<br>Sides<br>Bottom | (2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½"<br>(2) ¾", 1", 1¼", 2"**<br>(2) ½", ¾", (4) ½", ¾", 1", 1¼" | (2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½"<br>(2) ¾", 1", 1¼", 2"**<br>(2) ½", ¾", (4) ½", ¾", 1", 1¼" | (2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½"<br>(2) ¾", 1", 1¼", 2"**<br>(2) ½", ¾", (4) ½", ¾", 1", 1¼" | (2) ½", ¾", (4) ½", ¾", 1", 1¼", 1½"<br>(2) ¾", 1", 1¼", 2"**<br>(2) ½", ¾", (4) ½", ¾", 1", 1¼" |
| Cover Style | Rectangular | Rectangular | Round | Round |
| 2 Inch Hub Compatible | Yes | Yes | Yes | Yes |

*Note: **Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1¼" PVC condits.*

### Rectangular Covers

- Compatible with **CFB10G55** and **CFB10G55CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

| Finish | Surface Cover Dimensions 11½ in. x 10 in. Without Insert | With Insert | Furniture Feed ((2)1 in. and (2) 2 in. Plugs) | Flush Cover Dimensions 10½ in. x 9 in. Without Insert | With Insert | Furniture Feed ((2)1 in. and (2) 2 in. Plugs) |
|---|---|---|---|---|---|---|
| Aluminum Powder Coat | **610GCCVRALU** | **610GCCVRALUC** | **610GCFFCVRALU*** | **610GTCVRALU** | **610GTCVRALUC** | **610GTFFCVRALU*** |
| Black Powder Coat | **610GCCVRBK** | **610GCCVRBKC** | **610GCFFCVRBK*** | **610GTCVRBK** | **610GTCVRBKC** | **610GTFFCVRBK*** |
| Brass Powder Coat | **610GCCVRBRS** | **610GCCVRBRSC** | **610GCFFCVRBRS*** | **610GTCVRBRS** | **610GTCVRBRSC** | **610GTFFCVRBRS*** |
| Bronze Powder Coat | **610GCCVRBRZ** | **610GCCVRBRZC** | **610GCFFCVRBRZ*** | **610GTCVRBRZ** | **610GTCVRBRZC** | **610GTFFCVRBRZ*** |
| Satin Nickel Powder Coat | **610GCCVRNK** | **610GCCVRNKC** | **610GCFFCVRNK*** | **610GTCVRNK** | **610GTCVRNKC** | **610GTFFCVRNK*** |

*Note: * For 10-gang box dual service,* ***CFB10FFDIVKIT*** *required with Furniture Feed covers. Purchased separately.*


Aluminum Powder Coat


Black Powder Coat


Brass Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat


Aluminum Powder Coat

### 8 Inch Round Covers

- Compatible with **CFB10G55R** and **CFB10G55RCR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

| Finish | Flush Surface | Furniture Feed (1 in.and 2 in. Plugs) |
|---|---|---|
| Brushed Aluminum | **CFBS1R8CVRALU** | **CFBS1R8FFCVRALU#** |
| Black Powder Coat | **CFBS1R8CVRBLK** | **CFBS1R8FFCVRBLK#** |
| Brass Plated | **CFBS1R8CVRBRS** | **CFBS1R8FFCVRBRS#** |
| Antique Bronze Plated | **CFBS1R8CVRBRZ** | **CFBS1R8FFCVRBRZ#** |
| Gray Powder Coat | **CFBS1R8CVRGRY** | **CFBS1R8FFCVRGRY#** |
| Satin Nickel Plated | **CFBS1R8CVRNKL** | **CFBS1R8FFCVRNKL#** |





*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*#For 10-gang box dual service,* ***CFBS1R8FF10GDIVKIT*** *required with Furniture Feed covers. Purchased separately. See page P5 for round cover finishes*
*† UL File Number E31999. Boxes include concrete covers. FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

*Dimensions in Inches (mm)*

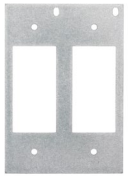
## Plates for Use in SystemOne 4/5 & 8*/10-Gang Floor Boxes

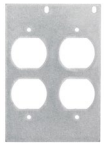
- UL 514A listed

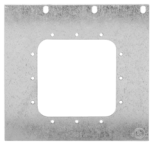
| Cat. No. | Plate Style | Cat. No. | Plate Style |
|---|---|---|---|
| **FB10MPREC** ① | (1) Decorater Opening | **FB10MPDUP** ② | (1) Duplex Opening |
| **FB10MPBNK** | 1-Gang Blank Plate | **FB10MPKEY** | (1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks |
| **FB10MPTRAC** | (2) Openings for (6) Ortronics TracJack® | **FB10MPFT** | Cable Feed Through with Bushing |
| **Cat. No** | Two Gang Plate Style | **Cat. No** | Two Gang Plate Style |
| **FB10MP2A** ③ | Decorator Openings | **FB10MP2E** ④ | Duplex Openings |
| **FB10TLX** | (1) Simplex Opening 1.40 in. Diameter | **FB10TLA** | (1) Twist-Lock® Opening 1.60 in. Diameter |
| **FB10MP2B** | (6) 1U Hubbell iStation Modules | **FB10MPMAAP** | Siemon CT Series |
| **FB10MPAAP** | (4) Extron® AAP Openings | | |
| **Cat. No** | Three Gang Plate Style | **Cat. No** | Three Gang Plate Style |
| **FB10TLY** | (2) Simplex Opening 1.40 in. Diameter | **FB10TLB** | (3) Twist-Lock® Opening 1.60 in. Diameter |
| **FB10MP3GAPP** ⑤ | (1) Opening for Applicance Receptacle, requries 2-Gang industry plate for trim out | | |
| **Cat. No** | Five Gang Plate Style | **Cat. No** | Five Gang Plate Style |
| **FB10TLC** | (3) Simplex Opening 1.40 in. Diameter | **FB10TLZ** | Twist-Lock® Opening 1.60 in. Diameter |
| **FB10MPNEMA2XG** ⑥ | (2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM —TX Product and Power. Ships with Low Voltage Divider. | **FB10MPNEMA4G** ⑦ | (4) Single Service Openings Utilizing NEMA Wallplate. (No Low Voltage Divider Option) |

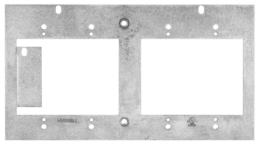
*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

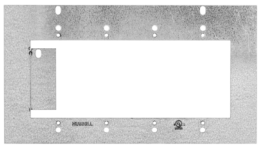

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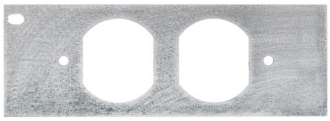

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④


⑤


⑥


⑦


②

## Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 inch stranded leads mounted to the face plate

| Description | Type | 20A |
|---|---|---|
| Duplex, Gray. | Standard<br>Tamper-Resistant | **PWFB10MPCR20GRY** ⑨<br>**PWFB10MPCR20GRYTR** |
| Decorator, Gray. | Standard<br>Tamper-Resistant | **PWFB10MPDR20GRY** ⑧<br>**PWFB10MPDR20GRYTR** |


⑧


⑨

## Accessories

| Description | | Catalog Number |
|---|---|---|
| (1) 2" threaded zinc hub for use with **CFB45G55** and **CFB10G55** series floor boxes; replaces **CFBKOPLATE**. | | **CFBHUB2** |
| (2) 1-1/4" PVC hubs with reducers for use with **CFB45G55** and **CFB10G55** series floor boxes; replaces **CFBKOPLATE**. Reducers include: (2) 1" reducer, (2) 3/4" reducers, and (2) 1/2" Reducer/Plugs. | | **CFBHUB125PVC** |
| (2) 2" PVC hubs with reducers for use with **CFB45G55 and CFB10G55** series floor boxes; replaces **CFBKOPLATE**. Reducers include: (2) 1-1/2" reducers, (2) 1-1/4" reducers, and (2) 1" Reducer/Plugs. | | **CFBHU200PVC** ⑩ |
| Replacement knock-out plates. | Standard<br>Expoxy Coating | **CFBKOLATE**<br>**CFBKOPLATECR** |
| ETERNAL™ Replacement Round Cover Adapter, 10-gang Floor Box | | **CFB4510GS1R8ADAPTE** |
| Stackable ring to increase box height and concrete pour depth by ¾ in. increments above top plane of floor box. One ring per ¾ in. depth increase. **Must be installed before concrete pour.** | | **CFB8RCVRR075** |
| Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series. | 0 - ¼ in.<br>¼ in. - ½ in.<br>½ in. - ¾ in. | **CFB8RCVRR1***<br>**CFB8RCVRR2** ⑪<br>**CFB8RCVRR3** |
| Rectangular pre-pour ½ in. extension caps (2 pack). | | **610GEXTENDCAP2PK** ⑫ |
| Replacement temporary rectangular steel and yellow concrete pre-pour covers | | **610GTEMPCVR** |
| Replacement spacer around wire-way. | | **FB10MPX** |
| Replacement divider. | | **FB4510GDIV** |

*Note: *Included with standard **CFB45G55R** and **CFB10G55R** series floor boxes.*


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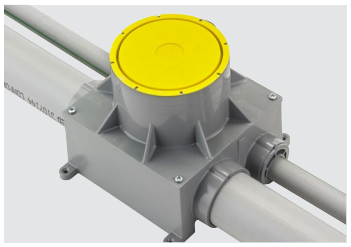

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⑫

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*Dimensions in Inches (mm)*

## The Next Big Step In Innovation



Locate installation area and connect conduits



Pour concrete



Cut box top level with concrete



Install flooring



Install Adjustable Mounting Cup and level with finished flooring **CFBS1R4CUP**



Wire devices into box



Finish with cover **CFBS1R4CVR**

### Installing the Fully Adjustable Mounting Cup and Level with Finished Flooring

During a concrete pour installation a floor box can become buried, other times the thickness of the floor covering can change. We have solved these issues with the integral, patented, adjustable mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches.

Recessed and Furniture Feed Activation is available with all 4 Inch Recessed Floorboxes by selecting the correct adjustable mounting cup for the application.



Recessed Activation



Non-Metallic Adjustable 4 inch Floor Box



Finish with cover **S1R4FFCVR**



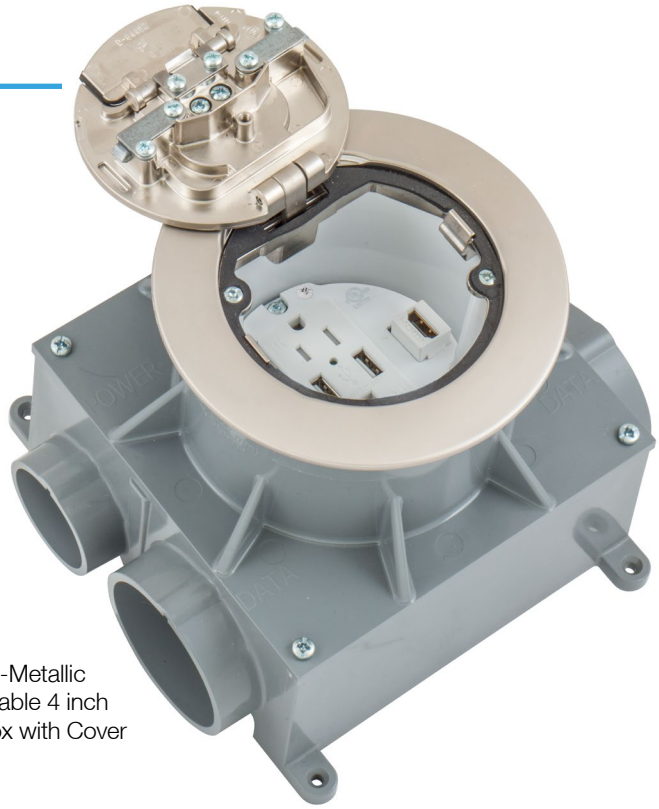
Furniture Feed Activation

## Features and Benefits

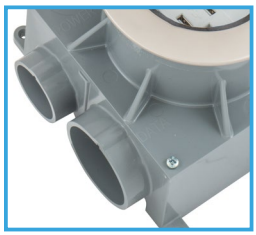
### SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

The Hubbell SystemOne Fully Adjustable Recessed floor box is the next step in a long line of quality products delivering power, data and AV for any application. The challenge of a recessed adjustable floor box is the device depth would vary for different floor thicknesses, other times the floor box can become buried in the concrete pour. We have solved these issues with the integral, patented, mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1½ inches. This feature is particularly accommodating when the final flooring is unknown at the time concrete is being poured.

Utilizing the same cover design as our 4 Inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above grade.

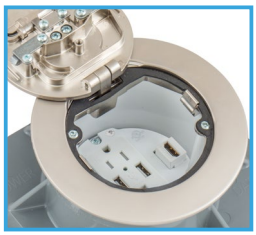


Non-Metallic
Adjustable 4 inch
Floor Box with Cover



**Box Design**

- Up to 2 inch conduit ready (Cast iron maximum conduit - 1½ inches)
- Available in PVC, stamped steel, epoxy coated stamped steel or cast iron construction available
- cULus Listed - Scrubwater compliant



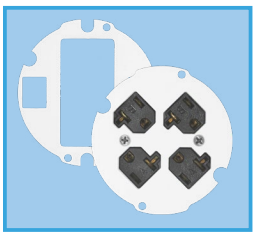
**Covers**

- Durable die-cast aluminum
- 1,000 lbs, static load rated cover
- Available in six architectural finishes
- Low profile flange, 0.15 inch exceeds ADA requirements
- 5.50" diameter flange



**Adjustable Mounting Cups**

- 3 inch deep access chamber
- Patented post pour adjustable mounting cup with teeth spaced in 5⁄32 inch increments allows for up to 1½ inches of upward adjustability from the lowest position, ideal for engineered flooring
- High visibility white cup for making easy connections



**Easy Mount Device Plates**

- Recessed connections
- Single service or dual service
- Multiple, open architecture mounting plates for power, data and AV



**2 Inch Conduit Ready**

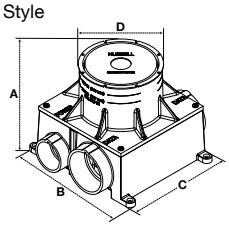
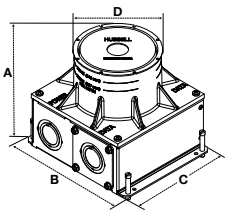
- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub - CFBHUB2 Sold Separately



**Furniture Feed Cover Design**

- Compatible with recessed covers
- Seamless one piece cast aluminum design
- (1) ¾ inch threaded hub for power
- (1) 1½ inch threaded hub for low voltage
- 0.15" flange height, 5.50" diameter flange

## SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

| Style | | Cast Iron | Corrosion-Resistant | Stamped Steel | Non-Metallic |
|---|---|---|---|---|---|
|  Cast Iron / Non-Metallic |  Stamped Steel |  **CFBS1R4CFB** |  **CFBS1R4SFBCR** |  **CFBS1R4SFB** |  **CFBS1R4PFB** |
| Min. Depth of Pour | | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) |
| Max. Pour Depth | | 6.00" (152.4) | 6.00" (152.4) | 6.00" (152.4) | 6.00" (152.4) |
| Cubic Inch ($cm^3$) Capacity | | 72.0 cu. in. (1180 $cm^3$) | 80.0 cu. in. (1311 $cm^3$) | 80.0 cu. in. (1311 $cm^3$) | 67.0 cu. in. (1098 $cm^3$) |
| Dimensions – A | | 6.00" (152.4) | 6.00" (152.4) | 6.00" (152.4) | 6.00" (152.4) |
| Dimensions – B | | 7.60" (193.0) | 7.40" (188.0) | 7.40" (188.0) | 7.85" (199.4) |
| Dimensions – C | | 6.58" (167.1) | 6.32" (160.6) | 6.32" (160.6) | 6.45" (163.8) |
| Dimensions – D | | 4.60" (116.8) | 4.60" (116.8) | 4.60" (116.8) | 4.60" (116.8) |
| Power Entries | | (2) 1" NPT Thread | (2) ¾", 1", 1¼" | (2) ¾", 1", 1¼" | (2) ½", ¾", 1", 1¼" |
| Data Entries | | (2) 1½" NPT Thread | (2) ¾", 1", 1¼", 2"* | (2) ¾", 1", 1¼", 2"* | (2) 1", 1¼", 1½", 2" |
| Concrete Cover Included | | ✓ | ✓ | ✓ | ✓ |
| Closure Plugs Included | | ✓ | – | – | ✓ |
| Reducers | | – | – | – | ✓ |
| CFBS1R4xx Cover Family | | ✓ | ✓ | ✓ | ✓ |
| Compatible with CFBHUB2 - 2" Conduit Fitting | | – | ✓ | ✓ | – |

*Note: UL File Number E92074.*
*CSA File Number LR18416.*
**Requires CFBHUB2 for 2" conduits.*

## Adjustable Mounting Cup - Required, Purchased Separately

The Adjustable Mounting Cup (AMC) is the heart of the **CFBS1R4** Floor Box product line, and must be ***purchased separately*** from the floor boxes. With teeth spaced in 5/32 inch increments, the adjustable cup allows for installation ease and flexibility. The AMC is dropped into the floor box collar then rotated clockwise to set the height and is adjustable until the ground plate is installed. Once the ground plate is installed, the cup is locked into place preventing unwanted adjustment of height. Lastly, the device mounting plate and electrical devices are installed.






| Description | Recessed Activation Catalog Number | Furniture Feed Activation Catalog Number |
|---|---|---|
| **Adjustable Mounting Cup**<br>Includes white mounting cup, low voltage dividers and ground plate. | **CFBS1R4CUP**<br>Floor boxes purchased independently from cup | **CFBS1R4FFCUP**<br>Floor boxes purchased independently from cup |




*Dimensions in Inches (mm)*

## SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

### Floor Box Covers

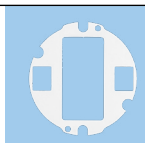
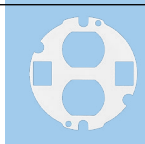


The 4 inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch is ADA compliant and suitable for use on any floor finish. All covers are UL 514A listed and meet UL Scrubwater requirements.

### Features

- Flange diameter is 5.5 inches
- Flange thickness is 0.15 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs. with 2x safety factor* for a static load applied through a 3 inch mandrel
- Available in six finishes
  - Satin nickel, antique bronze and brushed brass are plated finishes
  - Brushed aluminum is the base material brushed and lacquered
  - Black and gray finishes are powder coat

### Device Mounting Plates

| Description / Catalog Number | Sub-plate | Description / Catalog Number | Sub-plate | Description / Catalog Number | Sub-plate |
|---|---|---|---|---|---|
| 2X2 Sub-plate with (1) decorator device opening and (2) keystone jack openings<br>**S1R4SP2X2STYLE** |  | (1) Style Line® decorator device opening for power or datacom applications<br>**S1R4SPSTYLE** |  | 2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings<br>**S1R4SP2X2STYLETJ** |  |
| 2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings<br>**S1R4SP2X2DUPLEX** |  | (1) Duplex device opening for power or datacom applications<br>**S1R4SPDUPLEX** |  | 2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings<br>**S1R4SP2X2DUPLEXTJ** |  |
| (4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes ⏻ stickers.<br>**S1R4SPQUAD** |  | (1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle<br>**S1R4SPTWIST** |  | (1) 1.40 inch opening for simplex receptacle<br>**S1R4SPSIMPLEX** |  |

### Architectural Cover Finishes

| Finish | Recessed Activation | Furniture Feed Activation |
|---|---|---|
| Brushed Aluminum | **CFBS1R4CVRALU** | **S1R4FFCVRALU** |
| Black Powder Coat | **CFBS1R4CVRBLK** | **S1R4FFCVRBLK** |
| Brushed Brass Plated | **CFBS1R4CVRBRS** | **S1R4FFCVRBRS** |
| Antique Bronze Plated | **CFBS1R4CVRBRZ** | **S1R4FFCVRBRZ** |
| Gray Powder Coat | **CFBS1R4CVRGRY** | **S1R4FFCVRGRY** |
| Plated Satin Nickel | **CFBS1R4CVRNKL** | **S1R4FFCVRNKL** |

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*



### Accessories and Replacement Parts

| Description | Catalog Number |
|---|---|
| Allows the conduit connections for the low voltage portion of the **CFBS1R4SFB** and **CFBS1R4SFBCR** to be increased to 2 inch capacity. The offset design helps to minimize conduit float during the concrete pour. | **CFBHUB2** |
| Set of conduit reducing adapters for use with the **CFBS1R4PFB**. Includes two each of the following adapters to reducing to the corresponding conduit diameter. 1, ¾ and ½ inch<br>1½, 1¼ and 1 inch | **CFBADAPT125**<br>**CFBADAPT200** |
| Replacement low voltage partition for use in all four **CFBS1R4** series floor boxes. | **CFBS1R4DIV** |
| Replacement ground bracket for use in all four **CFBS1R4** series floor boxes. | **CFBS1R4GND** |
| Replacement pre-pour concrete yellow cover for use with all four of the **CFBS1R4** series floor boxes. | **CFBS1R4COVER** |
| Abandonment plate, black finish, for all **CFBS1R4** series floor boxes. | **S1R4CFBADMTBK** |
| Pre-pour PVC stand increases **CFBS1R4PFB** box height 2.5 in. to 4.0 in. within the concrete pour. | **PFBSTAND** |



*TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.*

## Products at a Glance

Flush Floor Box Applications feature unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

## SystemOne Flush Floor Box Applications…



### Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates a standard Style Line® decorator opening, which can be used for an active multimedia device. In addition, a 20A outlet is supplied for power and two keystone openings for voice/data services.



### Multimedia Applications

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio/video market. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, HDMI and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules, as well as FSR IPS plates.



### 4X4 Applications

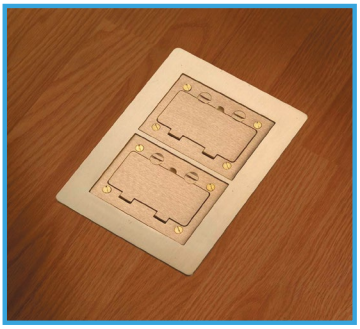
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual- circuit, as well as isolated ground applications.

## Traditional Floor Boxes…



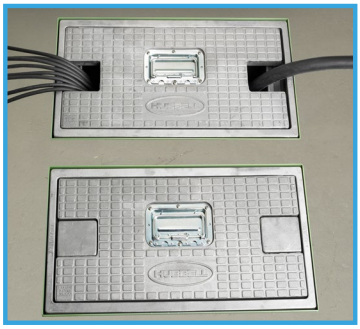
### Flush Applications

Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrubwater exclusion requirements.



### Wooden Floor Applications

Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and three-gang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.



### Heavy Load Rating

For environments where floor boxes will be subjected to extreme loads, Hubbell offers two different solutions. The Ballroom Box series has a static cover load rating of 20,000 lbs. and can accommodate up to 8 devices. The Convention Center family offers a static cover load rating of 32,000 lbs. and can accommodate up to 100A Pin and Sleeve devices.

*Extron® is a registered trademark of Extron Electronics.*

ScrubShield®
Complies with UL514A

## SystemOne Flush Floor Box Family

### Cast Iron



- Corrosion resistant for on-grade applications
- Oversized 1½" NPT threaded conduit access holes for low voltage
- 1" NPT threaded conduit access holes for power

### Steel





- Stamped steel construction
- Economical and light weight for above-grade applications
- Concentric knockouts permit various conduit sizes for both power and data services

### Steel AV





- Accommodates high-capacity multimedia applications in a 3½" minimum depth of pour
- Oversized 1½" NPT threaded data hub
- ¾", 1" concentric knockouts for power services

### Features

- Easily installed, aesthetic and configurable floor box solution, for open floor plans that require both power and data services
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- The Hubbell SystemOne Universal Cover features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Convenient cubic inch capacity (cm3) markings on interior of box
- Leveling feet provide before pour adjustability
- Non-metallic riser allows a simple saw cut for adjustment after pour
- Supplied with concrete cover and closure plugs (where applicable)
- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne sub-plates
- Hubbell SystemOne Metal Floor Boxes are approved for use in the City of Chicago
- CR versions incorporate fusion bonded epoxy paint for on grade use

### Non-Metallic



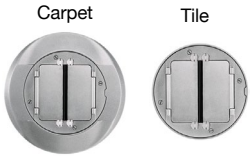
- Non-corrosive plastic construction
- Oversized 1½" data conduit hub for increased cable capacity and bend radius
- Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull

### Features

- Economical, easy to install, in-floor delivery system for open plan spaces
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- Concrete cover, conduit reducers and conduit hub plugs included

## SystemOne Flush Covers

### Universal Flange and Cover Assembly




- Hinged doors open 180° flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Finishes and colors available:




### Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design

### SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes.
See page O-20 for additional Information.


4x4 Sub-Plate


Datacom and Power Sub-Plate


Extron® AAP/MAAP and Power Sub-Plate


Dual Style Line® Decorator Sub-Plate


Twist-Lock® Sub-Plate


Furniture Feed Cover, Carpet

### Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, USB, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

### Power Devices and Connectivity


Hubbell-PRO Receptacles


20A USB Receptacles

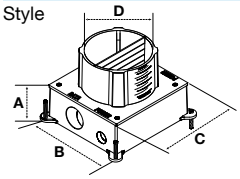
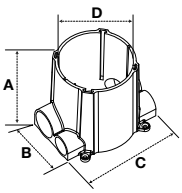
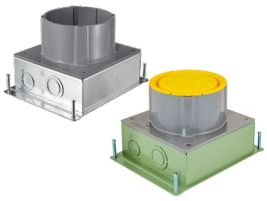

Hubbell iSTATION

### Features

- Choose from Hubbell's industry leading selection of wiring devices for power services
- Hubbell iSTATION connectivity modules integrate with SystemOne to provide comprehensive multi-media solutions

*Extron® is a registered trademark of Extron Electronics.*

## SystemOne Flush Metal and Non-Metallic Floor Boxes, for Use In Concrete Floors

| Style | Cast Iron | Steel | Steel AV | Non-Metallic |
|---|---|---|---|---|
|  Metal  Non-Metallic |  |  |  |  |
| Standard<br>Corrosion-Resistant (On-grade) | –<br>**S1CFB*** | **S1SFB***<br>**S1SFBCR** | **S1SFBAV***<br>**S1SFBAVCR** | **S1PFB**<br>– |
| Min. Depth of Pour | 3.50" (88.9) | 3.50" (88.9) | 3.50" (88.9) | 3.00" (76.2) |
| Adjustability | Fully | Fully | Fully | Fully |
| Cubic Inch ($cm^3$) Capacity | 156.0 cu. in. ($2556\ cm^3$) | 175.7 cu. in. ($2879\ cm^3$) | 177.5 cu. in. ($2909\ cm^3$) | 100 cu. in. ($1638\ cm^3$) |
| Dimensions – A | 3.00" (76.2) | 3.00" (76.2) | 3.00" (76.2) | 6.00" (152.4) |
| Dimensions – B | 7.00" (177.8) | 6.75" (171.4) | 6.75" (171.4) | 5.58" (141.7) |
| Dimensions – C | 7.38" (187.3) | 7.38" (187.3) | 7.38" (187.3) | 7.08" (179.8) |
| Dimensions – D (Inside Diameter) | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) | 5.00" (127.0) |
| Power Entries | (2) 1" NPT Thread | (2) ¾", 1" | (2) ¾", 1" | (2) ¾", 1" |
| Data Entries | (2) 1½" NPT Thread | (2) ¾", 1", 1¼" | (2) 1½" NPT Thread | (2) ¾", 1", 1¼", 1½" |
| Concrete Cover Included | ✓ | ✓ | ✓ | ✓ |
| Closure Plugs Included | ✓ | – | ✓ | ✓ |
| Accepts Hubbell SystemOne Universal Cover | ✓ | ✓ | ✓ | ✓ |
| Cover Mounting Clips Included | ✓ | ✓ | ✓ | ✓ |
| Non-Metallic Low Voltage Divider Included (S1DIV1) | ✓ | ✓ | ✓ | ✓ |

*Note: UL File Number E92074.*
**S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.*

## SystemOne Universal Covers

- Cast aluminum construction
- Durable powder coat finish




| Color | Carpet | Tile |
|---|---|---|
| Aluminum Finish | **S1CFCAL** | **S1TFCAL** |
| Brass Finish | **S1CFCBRS** | **S1TFCBRS** |
| Black | **S1CFCBL** | **S1TFCBL** |
| Gray | **S1CFCGY** | **S1TFCGY** |
| Ivory | **S1CFCI** | **S1TFCI** |


Aluminum Finish

Brass Finish

Black

Gray

Ivory

## Floor Box Accessories

| Description | Color | | Catalog Number |
|---|---|---|---|
| **Abandonment Plates**<br>Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes. | Black<br>Gray |  | **S1AP4BL**<br>**S1AP4GY** |
| **Replacement Side by Side Divider**<br>Used to isolate compartments in **S1SP, S1SPFFx, S1SPFFTx, S1SPDU, S1SPDUSL, S1SPDU2IM** and **S1SPSL2IM** sub-plates. Included with all SystemOne Floor Boxes. | |  | **S1DIV1** |
| **1½" Threaded Hub**<br>For use with **S1SFBAV** ONLY. Permits feed-through applications. **S1SFBAV** floor box includes one (1) threaded hub. | |  | **S1AVHUB15** |
| **Replacement Universal Cover Mounting Clips**<br>Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (**S1CFB, S1SFB, S1SFBAV, S1PFB**). | |  | **S1FBCLIP5PK** |
| Pre-pour PVC stand increases **S1PFB** box height 2.5 in. to 4.0 in. within the concrete pour. | |  | **PFBSTAND** |

*Dimensions in Inches (mm)*

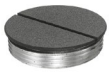
## SystemOne Flush Sub-Plates

| Description | Catalog Number |
|---|---|
| **Style Line® Decorator/GFCI**<br>(2) Style Line® decorator openings for power and/or datacom applications.<br>(3) Non-Metallic (3.5) Metal | <br>**S1SP** |
| **Duplex/Duplex**<br>(2) Duplex openings for power and/or datacom applications.<br>(3) Non-Metallic (3.5) Metal | <br>**S1SPDU** |
| **Duplex/Style Line® Decorator**<br>(1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications.<br>(3) Non-Metallic (3.5) Metal | <br>**S1SPDUSL** |
| **Hubbell 4 X 4**<br>(4) 20A, 125V receptacles.<br>(4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability.<br>(4) Includes ⏻ stickers. | <br>**S1SP4X4**<br>**S1SP4X4C** |
| **Carpet Furniture Feed Cover/Flange***<br>(1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange.<br>(3) Non-Metallic (3.5) Metal | <br>Aluminum Fin. **S1SPFFAL**<br>Brass Finish **S1SPFFBRS**<br>Black **S1SPFFBL**<br>Gray **S1SPFFGY** |
| **Tile Furniture Feed Cover/Flange***<br>(1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange.<br>(3) Non-Metallic (3.5) Metal | <br>Aluminum Fin. **S1SPFFTAL**<br>Brass Finish **S1SPFFTBRS**<br>Black **S1SPFFTBL**<br>Gray **S1SPFFTGY** |
| Provided with 15 ft. wire leads **S1SP4X415**<br>Provided with 30 ft. wire leads **S1SP4X430** | |
| **Single Receptacle + Data**<br>Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.<br>(4) | <br>**S1SPTL** |
| **Hubbell DataCom + Power**<br>(1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.<br>(5) Marked with "⏻ Controlled" | <br>**S1SP3IM**<br>**S1SP3IMC** |
| **Hubbell DataCom + Duplex**<br>(1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.<br>(5) | <br>**S1SPDU2IM** |
| **Hubbell DataCom + Style Line® Decorator**<br>(1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.<br>(5) | <br>**S1SPSL2IM** |
| **Hubbell DataCom**<br>1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.<br>(3.5) | <br>**S1SP4IM** |
| **Active Multimedia + Power**<br>Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames.<br>(5) Marked with "⏻ Controlled" | <br>**S1SPAMM20**<br>**S1SPAMM20C** |
| **Extron® or FSR + Power**<br>(1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates.<br>(4) Marked with "⏻ Controlled" | <br>**S1SPEXT1**<br>**S1SPEXT1C** |
| **Extron® or FSR + Power**<br>(1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.<br>(4) Marked with "⏻ Controlled" | <br>**S1SPEXT2**<br>**S1SPEXT2C** |
| **Extron® or FSR Single-Service**<br>Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates.<br>(4.5) | <br>**S1SPEXT3** |
| **Extron® AAP + Power**<br>(1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates.<br>(4) Marked with "⏻ Controlled" | <br>**S1SPEXT4**<br>**S1SPEXT4C** |
| **Ortronics Series II® + Power**<br>(1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules.<br>(5) Marked with "⏻ Controlled" | <br>**S1SPORT**<br>**S1SPORTC** |
| **Ortronics TracJack® + Power**<br>(1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules.<br>(5) Marked with "⏻ Controlled" | <br>**S1SPTRAC**<br>**S1SPTRACC** |
| **Panduit Mini Com® 4 X 4**<br>(4) 20A, 125V receptacles.<br>(4) Openings for Panduit Mini-Com Connectivity.<br>(4) Includes ⏻ stickers. | <br>**S1SP4X4PA**<br>**S1SP4X4PAC** |
| **SYSTIMAX® 4 X 4**<br>(4) 20A, 125V receptacles.<br>(4) Openings for SYSTIMAX® Connectivity.<br>(4) Includes ⏻ stickers. | <br>**S1SP4X4SYS**<br>**S1SP4X4SYSC** |
| **Siemon MAX® + Power**<br>(1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules.<br>(5) Marked with "⏻ Controlled" | <br>**S1SPMAX**<br>**S1SPMAXC** |

*Note: *Furnished with two screws in flexible metal conduit connectors.*
⏀ Signifies minimum depth of concrete pour in inches for Metal Floor Boxes (**S1CFB**, **S1SFB** and **S1SFBAV**) and Non-Metallic Floor Box (**S1PFB**).

## Sub-Plate Accessories

**Replacement Threaded Conduit Plugs**
Used with **S1SPFFx** and **S1SPFFTx** only.
Sub-plate is supplied with plugs.



| Color | 1½" Plug | ¾" Plug |
|---|---|---|
| Aluminum Finish | **S1FP15AL** | **S1FP34AL** |
| Brass Finish | **S1FP15BRS** | **S1FP34BRS** |
| Black | **S1FP15BL** | **S1FP34BL** |
| Gray | **S1FP15GY** | **S1FP34GY** |

| Description | Catalog Number | |
|---|---|---|
| Replacement for **S1SPMAX.** Sub-plate is supplied with data frame. Works with Siemon MAX®. | **S1DFMAX** |  |
| Replacement for **S1SPTRAC** sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack®. | **S1DFTRAC** |  |
| Blank Style Line® decorator frame, Black. | **NS620BK** |  |
| 2-Port Style Line® decorator frame, Black. | **ISF2BK** | |
| 4-Port Style Line® decorator frame, Black. | **ISF4BK** | |
| 6-Port Style Line® decorator frame, Black. | **ISF6BK** | |

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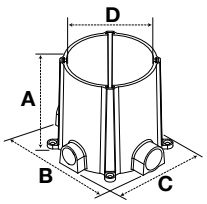
| SystemOne Flush Configuration Chart | | | Floor Boxes | | | | | | 4" Core Hole Fire-Rated Poke-Throughs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Non-Metallic | Metal | | | | | | | |
| Approved for use in the City of Chicago. (except S1PFB) | | |  |  |  |  |  |  |  |  |  |
| Sub-Plates | | | S1PFB | S1CFB | S1SFB | S1SFBCR | S1SFBAV | S1SFBAVCR | S1PTFIT | S1PT4X4FIT | S1PTAVFIT |
| **S1SP** | Style Line® Decorator/GFCI |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓+ | ✗ | ✓ |
| **S1SPDU** | Duplex/Duplex |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓+ | ✗ | ✓ |
| **S1SPDUSL** | Duplex/Style Line® Decorator |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓+ | ✗ | ✓ |
| **S1SP4X4**<br>**S1SP4X4PA**<br>**S1SP4X4SYS** | Hubbell 4 X 4<br>Panduit Mini-Com® 4 X 4<br>SYSTIMAX® 4 X 4 |  | 4 | 4 | 4 | 4 | 4 | 4 | ✗ | ✓+ | ✗ |
| **S1SP4X4C**<br>**S1SP4X4PAC**<br>**S1SP4X4SYSC** | Marked with "⏻ Controlled" | | | | | | | | | | |
| **S1SPTL** | Twist-Lock® Receptacle + Data |  | 4 | 4 | 4 | 4 | 4 | 4 | ✗ | ✓+ | ✗ |
| **S1SP3IM** | Hubbell DataCom + Power |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SP4IM** | Hubbell DataCom |  | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓ | ✗ | ✓+ |
| **S1SPDU2IM** | Hubbell DataCom + Duplex |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPSL2IM** | Hubbell DataCom + Style Line® Decorator |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPFFxx** (Carpet)<br>**S1SPFFTxx** (Tile) | Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray). |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓ | ✗ | ✓+ |
| **S1SPEXT1**<br>**S1SPEXT1C** | Extron® or FSR + Power<br>Marked with "⏻ Controlled" |  | 4 | 4 | 4 | 4 | 4 | 4 | ✓ | ✗ | ✓+ |
| **S1SPEXT2**<br>**S1SPEXT2C** | Extron® or FSR + Power<br>Marked with "⏻ Controlled" |  | 4 | 4 | 4 | 4 | 4 | 4 | ✓ | ✗ | ✓+ |
| **S1SPEXT3** | Extron® or FSR Single-Service |  | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | ✓ | ✗ | ✓+ |
| **S1SPEXT4**<br>**S1SPEXT4C** | Extron® or FSR + Power<br>Marked with "⏻ Controlled" |  | 4 | 4 | 4 | 4 | 4 | 4 | ✓ | ✗ | ✓+ |
| **S1SPORT**<br>**S1SPORTC** | Ortronics Series II® + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPTRAC**<br>**S1SPTRACC** | Ortronics TracJack® + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPMAX**<br>**S1SPMAXC** | Siemon MAX® + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPAMM20**<br>**S1SPAMM20C** | Active Multimedia + Flush Keystone + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1CFCxx** (Carpet)<br>**S1TFCxx** (Tile) | SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray). |  | | | | | | | | | |

 Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.

✓+ Recommended Floor Fitting ✓ Alternative Floor Fitting ✗ Not Compatible

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## Flush Round Single or Multi-Service Non-Metallic Floor Boxes, for Use In Concrete Floors






| | PFB1 |
|---|---|
| Min. Depth of Pour | 3.00" (76.2) |
| Cubic Inch ($cm^3$) Capacity | 100 cu. in. (1638.7 $cm^3$) prior to cutting level to floor (19.5 cu. in. (313.2 $cm^3$) per inch of depth). |
| Dimensions – A | 6.00" (152.4) |
| Dimensions – B | 7.08" (179.8) |
| Dimensions – C | 6.69" (169.9) |
| Dimensions – D | 5.38" (136.5) |
| Hubs | (2) 1" and (2) ¾" Conduit Hubs |
| Concrete Cover Included | ✓ |
| Closure/Reducer Plugs | (2) 1" plugs close off 1" hubs or reduce 1" to ¾"<br>(2) ¾" plugs close off ¾" hubs or reduce ¾" to ½" |

| Description | Catalog Number |
|---|---|
| **Adapter**<br>Required for all applications. | **PFBA1A** |
| **Low Voltage Divider**<br>Required for use with catalog number **PFB1** when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series). | **PFBT1A** |
| **"Y" Adapter**<br>¾ in. "Y" adapter to feed parallel runs of ¾ in. conduit. | **PFBYA1** |
| Pre-pour PVC stand increases **PFB1** box height 2.5 in. to 4.0 in. within the concrete pour. | **PFBSTAND** |

*Note: UL File Number E92074. CSA File Number LR18416.*

## Flush Round Covers and Flanges†

**Multi-Service Cover and Flange Assemblies**
Includes floor box cover with duplex flaps, (2) ½ in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter

| SF39253A | PFBCBRA | PFBCBLA | PFBCGYA | PFBCIA |
|---|---|---|---|---|
| Brass | Brown Non-Metallic | Black Non-Metallic | Gray Non-Metallic | Ivory Non-Metallic |

### Metal Carpet Flange

Use with single service covers for carpet applications. 6.25 in. Diameter

| S3082 | SA3082 |
|---|---|
| Brass | Brushed Aluminum |

### Adapter Ring

Use with single service covers for tile applications.

| S5016 | SA5016 |
|---|---|
| Brass | Aluminum |

### Multi-Service Replacement Covers

| Material | Metallic | Color | Non-metallic |
|---|---|---|---|
| Solid Brass | **BRS2RCA** | Black | **PFBRCBLA** |
| | | Brown | **PFBRCBRA** |
| | | Gray | **PFBRCGYA** |
| | | Ivory | **PFBRCIA** |

## Single Service Covers†

Brass
Aluminum
3.88 in. Dia.

| S3925<br>SA3925 | S3725<br>SA3725 | S2525<br>SA2525 | S2725<br>SA2725 | S2925<br>SA2925 | S3525<br>— | S3325<br>— | S3913<br>SA3913 |
|---|---|---|---|---|---|---|---|
| Duplex Flap | Duplex Screw | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | 2⅜" Single Receptacle | 2⅛" Single Receptacle (Terrazzo Floor) | Blank |

## One Piece Brass Cover and Carpet Flange†

Brass
Aluminum
6.25 in. Dia.

| SF3925*<br>SFA3925* | SFB3926 **<br>SFA3926 | SF2525*<br>— | SF2725*<br>— | SF2925*<br>— |
|---|---|---|---|---|
| Duplex Flap | Style Line® Decorator Opening | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle |

**Note: Adapter ring S5016 is required for mounting SF series covers onto PFBA1A.*

***Note: brass plated aluminum*

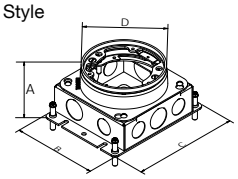
## Furniture Feed Plate

Unpainted plate with 1 in. threaded opening. **PFBP1**

Steel

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

## Flush Round Single Service Metal Floor Boxes, for Use In Concrete Floors

| Style | Cast Iron | | | Stamped Steel | |
|---|---|---|---|---|---|
| |  |  |  |  |  |
| Catalog Numbers | **FB2536** | **FB2537** | **FB2546** | **FB2527** | **FB2529** |
| Cover Frame Material | Steel | Steel | Steel | Steel | Steel |
| Min. Depth of Pour | 3.25" (82.6) | 3.00" (76.2) | 3.75" (95.3) | 4.00" (101.6) | 3.00" (76.2) |
| Adjustability | Fully | Fully | Fully | Fully | Fully |
| Before Pour External Height Adjustment | 1.25" (31.8) | 1.25" (31.8) | – | 1.25" (31.8) | 1.25" (31.8) |
| After Pour Internal Height Adjustment | .50" (12.7) | .50" (12.7) | .625" (15.9) | .50" (12.7) | .50" (12.7) |
| Cubic Inch (cm3) Capacity | 33.0 (540.8) | 30.0 (491.7) | 36.0 (590.0) | 54.0 (884.9) | 37.3 (611.2) |
| Dimensions – A | 3.12" (79.1) | 2.87" (72.8) | 3.61 (91.6) | 3.80 (96.4) | 2.82 (71.5) |
| Dimensions – B | 4.85" (123.2) | 4.85" (123.2) | 5.00" (126.9) | 4.81" (122.2) | 4.81" (122.2) |
| Dimensions – C | 4.85" (123.2) | 4.85" (123.2) | – | 6.00" (152.4) | 6.00" (152.4) |
| Dimensions – D | 4.21" (106.8) | 4.21" (106.8) | 4.21" (106.8) | 4.21" (106.8) | 4.21" (106.8) |
| Threaded Hubs | (4) 1" | (4) ¾" | (4) 1" | – | – |
| Knockouts – Sides | – | – | – | (2) 3/4", 1", 1-1/4" | (2) ½" & (1) ¾" |
| Knockouts – Ends | – | – | – | (2) 3/4", 1", 1-1/4" | (1) ½" & (1) ¾" |
| Knockouts – Bottom | – | – | – | (2) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" |
| Concrete Cover Included | ✓ | ✓ | ✓ | ✓ | ✓ |
| Closure Plugs Included | ✓ | ✓ | ✓ | – | – |
| 1" to 3/4" Threaded Reducer | 2 Each | – | 2 Each | – | – |

*Note: Suitable for single service applications only. UL File Number E31999. CSA File Number LR18416.*

### Cover Adapter Ring, Flush Application

**Required** for tile or finished concrete applications.

**S5016**



Brass

**SA5016**



Aluminum

### Carpet Flanges, Surface Applications

**Required** for carpet and surface applications.

| | | |
|---|---|---|
| 6.25 in. Dia. | **S3082** | **SA3082** |
| 5.25 in. Dia. | **S3182** | **SA3182** |

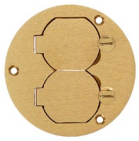


Brushed Brass



Brushed Aluminum

### Single Service Covers†

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Brass<br>Aluminum<br>3.88 in. Dia. | **S3925**<br>**SA3925** | **S3725**<br>**SA3725** | **S2525**<br>**SA2525** | **S2725**<br>**SA2725** | **S2925**<br>**SA2925** | **S3525**<br>— | **S3325**<br>— | **S3913**<br>**SA3913** |
| |  |  |  |  |  |  |  |  |
| | Duplex Flap | Duplex Screw | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | 2⅜" Single Receptacle | 2⅛" Single Receptacle (Terrazzo Floor) | Blank |

### One Piece Brass Cover and Carpet Flange†

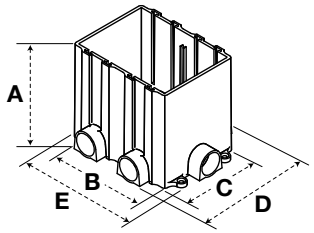
| | | | | | |
|---|---|---|---|---|---|
| Brass<br>Aluminum<br>6.25 in. Dia. | **SF3925**<br>**SFA3925** | **SFB3926***<br>**SFA3926** | **SF2525**<br>— | **SF2725**<br>— | **SF2925**<br>— |
| |  |  |  |  |  |
| | Duplex Flap | Style Line® Decorator Opening | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle |

**Note: brass plated aluminum*

*†COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

*Dimensions in Inches (mm)*

## Flush Rectangular Non-Metallic Floor Boxes with Non-Metallic Covers, for Use In Concrete Floor

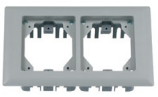
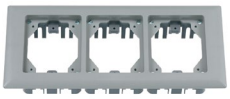
| Style | 1-Gang | 2-Gang | 3-Gang |
|---|---|---|---|
|  |  **PFBRG1*** |  **PFBRG2** |  **PFBRG3** |
| Min. Depth of Pour | 3.00" (76.2) | 3.00" (76.2) | 3.00" (76.2) |
| Adjustability | Fully | Fully | Fully |
| Cubic Inch ($cm^3$) Capacity per Gang | 14.3 cu. in. (234.3 $cm^3$) per 1" depth | 14.3 cu. in. (234.3 $cm^3$) per 1" depth | 14.3 cu. in. (234.3 $cm^3$) per 1" depth |
| Dimensions – A | 6.00" (152.4) | 6.00" (152.4) | 6.00" (152.4) |
| Dimensions – B | 3.60" (91.4) | 6.80" (172.7) | 10.04" (255.0) |
| Dimensions – C | 5.47" (138.9) | 5.47" (138.9) | 5.47" (138.9) |
| Dimensions – D | 6.90" (175.3) | 6.90" (175.3) | 6.90" (175.3) |
| Dimensions – E | 5.41" (137.4) | 8.56" (221.4) | 11.75" (298.4) |
| Hubs | (4) 1¼" | (6) 1¼" | (8) 1¼" |
| Reducers | (4) 1" to ¾" and (4) 1¼" to 1" | (6) 1" to ¾" and (6) 1¼" to 1" | (8) 1" to ¾" and (8) 1¼" to 1" |
| Concrete Cover Included | ✓ | ✓ | ✓ |
| Closure Plugs Included | ✓ | ✓ | ✓ |
| Low Voltage Barrier** | – | (1) Removable | (2) Removable |

*Note: UL File Number E92074.*
**Suitable for single service applications only.*
***Replacement low voltage barriers, 5 pack, catalog number PFBRGLVDPK5*

## Flush Rectangular Non-Metallic Covers and Flanges*

### Required Components for Carpet Applications

| Carpet Flanges | | | | Cover with Duplex and Style Line® decorator inserts included |
|---|---|---|---|---|
| Number of Gangs<br>Dimensions | 1-Gang<br>6.00" x 4.88" | 2-Gang<br>6.00" x 8.13" | 3-Gang<br>6.00" x 11.35" | One Required per Gang<br>4.15" x 2.97" |
| Black | **PFBRFBL1** | **PFBRFBL2** | **PFBRFBL3** | **PFBR826BLA** |
| Brown | **PFBRFBR1** | **PFBRFBR2** | **PFBRFBR3** | **PFBR826BRA** |
| Gray | **PFBRFGY1** | **PFBRFGY2** | **PFBRFGY3** | **PFBR826GYA** |
| Ivory | **PFBRFI1** | **PFBRFI2** | **PFBRFI3** | **PFBR826IA** |

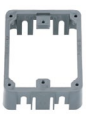
Cover

Duplex Insert

Style Line® Decorator Insert

### Required Components for Tile Applications

| Mounting Collar | Cover Frame | Cover with Duplex and Style Line® decorator inserts included |
|---|---|---|
| One Required per Gang | One Required per Gang<br>Dim. 4.47" x 3.25" | One Required per Gang<br>4.15" x 2.97" |
| **PFBRMC** | **PFBRFRA** | **PFBR826GYA** |




Cover

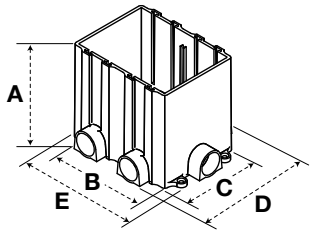
Duplex Insert

Style Line® Decorator Insert

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

*Dimensions in Inches (mm)*

## Flush Rectangular Non-Metallic Floor Boxes with Metal Covers, for Use In Concrete Floor

| Style | 1-Gang | 2-Gang | 3-Gang |
|---|---|---|---|
|  |  **PFBRG1*** |  **PFBRG2** |  **PFBRG3** |
| Min. Depth of Pour | 3.00" (76.2) | 3.00" (76.2) | 3.00" (76.2) |
| Adjustability | Fully | Fully | Fully |
| Cubic Inch ($cm^3$) Capacity per Gang | 14.3 cu. in. (234.3 $cm^3$) per 1" depth | 14.3 cu. in. (234.3 $cm^3$) per 1" depth | 14.3 cu. in. (234.3 $cm^3$) per 1" depth |
| Dimensions – A | 6.00" (152.4) | 6.00" (152.4) | 6.00" (152.4) |
| Dimensions – B | 3.60" (91.4) | 6.80" (172.7) | 10.04" (255.0) |
| Dimensions – C | 5.47" (138.9) | 5.47" (138.9) | 5.47" (138.9) |
| Dimensions – D | 6.90" (175.3) | 6.90" (175.3) | 6.90" (175.3) |
| Dimensions – E | 5.41" (137.4) | 8.56" (221.4) | 11.75" (298.4) |
| Hubs | (4) 1¼" | (6) 1¼" | (8) 1¼" |
| Reducers | (4) 1" to ¾" and (4) 1¼" to 1" | (6) 1" to ¾" and (6) 1¼" to 1" | (8) 1" to ¾" and (8) 1¼" to 1" |
| Concrete Cover Included | ✓ | ✓ | ✓ |
| Closure Plugs Included | ✓ | ✓ | ✓ |
| Low Voltage Barrier** | – | (1) Removable | (2) Removable |

*Note: UL File Number E92074.*
**Suitable for single service applications only.*
***Replacement low voltage barriers, 5 pack, catalog number PFBRGLVDPK5*

## Flush Rectangular Metal Covers and Flanges

### Required Components for Flush Tile Applications

Adapter Collar
(One required per gang)

Gray **PFBRAC** 

Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Brass **S5017GR**
Aluminum **SA5017GR** 

## Flush Rectangular Metal Covers and Flanges

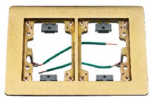
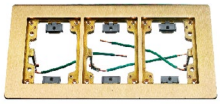
### Required Components for Flat Flange Applications

Adapter Collar
(One required per gang)

Gray **PFBRAC** 

## Flat Flanges*

### Flat Flange Height 0.125"

| Number of Gangs<br>Dimensions | 1-Gang<br>6.00" x 4.85" | | 2-Gang<br>6.00" x 8.13" | | 3-Gang<br>6.00" x 11.34" | |
|---|---|---|---|---|---|---|
| Brass, square edge<br>Aluminum, square edge<br>Brass, beveled edge<br>Aluminum, beveled edge | **SB3083W**<br>**SA3083W**<br>**SB3083WB**<br>**SA3083WB** |  | **SB3084W**<br>**SA3084W**<br>**SB3084WB**<br>**SA3084WB** |  | **SB3085W**<br>**SA3085W**<br>**SB3085WB**<br>**SA3085WB** |  |

**Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

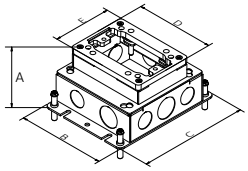
## Covers – One Required per Gang†

| Brass<br>Aluminum<br>Dimensions<br>4.15" x 2.99" | **S3825**<br>**SA3825** | **S3625**<br>**SA3625** | **S3625TR**<br>**SA3625TR** | **S3826**<br>**SA3826** | **S2425**<br>**SA2425** | **S2625**<br>**SA2625** | **S2825**<br>**—** | **S3425**<br>**—** | **S3813**<br>**SA3813** |
|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |
| | Duplex Flap | Duplex Screw | Tamper Resistant Duplex Screw | Style Line® Decorator Opening | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | 2⅜" Single Receptacle | Blank |

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor Load applied through a 3 in. (76) mandrel at the center of the cover.*

*Dimensions in Inches (mm)*

## Flush Rectangular Cast Iron Floor Boxes with Metal Covers, for Use In Concrete Floors

| Style | Cast Iron | | | | | |
|---|---|---|---|---|---|---|
| | 1-Gang Deep | 2-Gang Deep | 3-Gang Deep | 1-Gang Shallow | 2-Gang Shallow | 3-Gang Shallow |
| |  |  |  |  |  |  |
| Catalog Numbers | **FB4133*** | **FB4233** | **FB4333** | **FB4114*** | **FB4214** | **FB4314** |
| Cover Frame Material | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic |
| Min. Depth of Pour | 3.50" (95.3) | 3.50" (95.3) | 3.50" (95.3) | 2.00" (50.8) | 2.00" (50.8) | 2.00" (50.8) |
| Adjustability | Fully | Fully | Fully | Semi | Semi | Semi |
| Before Pour External Height Adjustment | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) |
| After Pour Internal Height Adjustment | .875" (22.2) | .875" (22.2) | .875" (22.2) | – | – | – |
| Cubic Inch (cm3) Capacity per Gang | 33.0 (540.8) | 36.5 (598.2) | 36.5 (598.2); 34.8 (570.3) center gang | 16.0 (262.2) | 16.0 (262.2) | 16.0 (262.2) |
| Dimensions – A | 3.42" (87.0) | 3.40" (86.4) | 3.40" (86.4) | 2.03" (51.4) | 2.05" (51.9) | 2.06" (52.2) |
| Dimensions – B | 4.85" (123.2) | 4.91" (124.7) | 4.91" (124.7) | 5.66" (143.7) | 5.46" (138.7) | 5.46" (138.7) |
| Dimensions – C | 4.85" (123.2) | 8.13" (206.5) | 11.41" (289.8) | 4.38" (111.3) | 7.50" (190.4) | 10.71" (272.0) |
| Dimensions – D | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) |
| Dimensions – E | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) |
| Threaded Hubs | (4) 1" | (6) 1" | (8) 1" | (4) ¾" | (4) ¾" | (6) ¾" |
| Concrete Cover Included | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Closure Plugs Included | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1" to 3/4" Threaded Reducer | 2 Each | 4 Each | 4 Each | – | – | – |
| Low Voltage Barrier | – | (1) Removable | (2) Removable | – | Non-Removable | Non-Removable |

*Note: UL File Number E92074. CSA File Number LR18416. *Suitable for single service applications only.*

## Flush Rectangular Covers Flanges

### Required Components for Flush Tile or Finished Concrete Applications

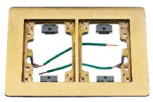
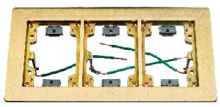
Brass **S5017GR**
Aluminum **SA5017GR**



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

## Flat Flanges*

### Flat Flange Height 0.125"

| Number of Gangs<br>Dimensions | 1-Gang<br>6.00" x 4.85" | | 2-Gang<br>6.00" x 8.13" | | 3-Gang<br>6.00" x 11.34" | |
|---|---|---|---|---|---|---|
| Brass, square edge<br>Aluminum, square edge<br>Brass, beveled edge<br>Aluminum, beveled edge | **SB3083W**<br>**SA3083W**<br>**SB3083WB**<br>**SA3083WB** |  | **SB3084W**<br>**SA3084W**<br>**SB3084WB**<br>**SA3084WB** |  | **SB3085W**<br>**SA3085W**<br>**SB3085WB**<br>**SA3085WB** |  |

**Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

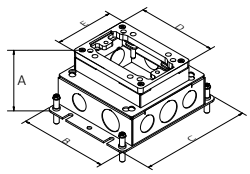
## Covers – One Required per Gang†

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Brass<br>Aluminum<br>Dimensions<br>4.15" x 2.99" | **S3825**<br>**SA3825** | **S3625**<br>**SA3625** | **S3625TR**<br>**SA3625TR** | **S3826**<br>**SA3826** | **S2425**<br>**SA2425** | **S2625**<br>**SA2625** | **S2825**<br>**—** | **S3425**<br>**—** | **S3813**<br>**SA3813** |
| |  |  |  |  |  |  |  |  |  |
| | Duplex Flap | Duplex Screw | Tamper Resistant Duplex Screw | Style Line® Decorator Opening | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | 2⅜" Single Receptacle | Blank |

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.*

*Dimensions in Inches (mm)*

## Flush Rectangular Cast Iron Floor Boxes with Non-Metalic Covers, for Use In Concrete Floors

| Style | Cast Iron | | | | | |
|---|---|---|---|---|---|---|
| | 1-Gang Deep | 2-Gang Deep | 3-Gang Deep | 1-Gang Shallow | 2-Gang Shallow | 3-Gang Shallow |
| |  |  |  |  |  |  |
| Catalog Numbers | **FB4133*** | **FB4233** | **FB4333** | **FB4114*** | **FB4214** | **FB4314** |
| Cover Frame Material | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic |
| Min. Depth of Pour | 3.50" (95.3) | 3.50" (95.3) | 3.50" (95.3) | 2.00" (50.8) | 2.00" (50.8) | 2.00" (50.8) |
| Adjustability | Fully | Fully | Fully | Semi | Semi | Semi |
| Before Pour External Height Adjustment | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) |
| After Pour Internal Height Adjustment | .875" (22.2) | .875" (22.2) | .875" (22.2) | – | – | – |
| Cubic Inch (cm3) Capacity per Gang | 33.0 (540.8) | 36.5 (598.2) | 36.5 (598.2); 34.8 (570.3) center gang | 16.0 (262.2) | 16.0 (262.2) | 16.0 (262.2) |
| Dimensions – A | 3.42" (87.0) | 3.40" (86.4) | 3.40" (86.4) | 2.03" (51.4) | 2.05" (51.9) | 2.06" (52.2) |
| Dimensions – B | 4.85" (123.2) | 4.91" (124.7) | 4.91" (124.7) | 5.66" (143.7) | 5.46" (138.7) | 5.46" (138.7) |
| Dimensions – C | 4.85" (123.2) | 8.13" (206.5) | 11.41" (289.8) | 4.38" (111.3) | 7.50" (190.4) | 10.71" (272.0) |
| Dimensions – D | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) |
| Dimensions – E | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) |
| Threaded Hubs | (4) 1" | (6) 1" | (8) 1" | (4) ¾" | (4) ¾" | (6) ¾" |
| Concrete Cover Included | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Closure Plugs Included | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1" to 3/4" Threaded Reducer | 2 Each | 4 Each | 4 Each | – | – | – |
| Low Voltage Barrier | – | (1) Removable | (2) Removable | – | Non-Removable | Non-Removable |

*Note: UL File Number E92074. CSA File Number LR18416. *Suitable for single service applications only.*

## Flush Rectangular Non-Metallic Covers and Flanges*

| **Required Components for Carpet Applications** | | | | Cover with Duplex and Style Line® decorator inserts included |
|---|---|---|---|---|
| Carpet Flanges | | | | |
| Number of Gangs<br>Dimensions | 1-Gang<br>6.00" x 4.88" | 2-Gang<br>6.00" x 8.13" | 3-Gang<br>6.00" x 11.35" | One Required per Gang 4.15" x 2.97" |
| Black | **MFBRFBL1** | **MFBRFBL2** | **MFBRFBL3** | **PFBR826BLA** |
| Brown | **MFBRFBR1** | **MFBRFBR2** | **MFBRFBR3** | **PFBR826BRA** |
| Gray | **MFBRFGY1** | **MFBRFGY2** | **MFBRFGY3** | **PFBR826GYA** |
| Ivory | **MFBRFI1** | **MFBRFI2** | **MFBRFI3** | **PFBR826IA** |





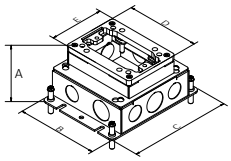



**Cover** **Duplex Insert** **Style Line® Decorator Insert**

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

*Dimensions in Inches (mm)*

## Flush Rectangular Stamped Steel Floor Boxes with Metal Covers, for Use In Concrete Floors

| Style | Stamped Steel | | | | | |
|---|---|---|---|---|---|---|
| | 1-Gang Deep | 2-Gang Deep | 3-Gang Deep | 1-Gang Shallow | 2-Gang Shallow | 3-Gang Shallow |
| |  |  |  |  |  |  |
| Catalog Numbers | **FB2431*** | **FB2432** | **FB2433** | **FB2421*** | **FB2422** | **FB2423** |
| Cover Frame Material | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic |
| Min. Depth of Pour | 3.75" (95.3) | 3.75" (95.3) | 3.75" (95.3) | 2.75" (69.9) | 2.75" (69.9) | 2.75" (69.9) |
| Adjustability | Fully | Fully | Fully | Fully | Fully | Fully |
| Before Pour External Height Adjustment | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) |
| After Pour Internal Height Adjustment | .50" (12.7) | .50" (12.7) | .50" (12.7) | .50" (12.7) | .50" (12.7) | .50" (12.7) |
| Cubic Inch (cm3) Capacity per Gang | 54.0 (884.9) | 52.8 (865.2) | 50.8 (832.5) | 37.3 (611.2) | 35.0 (573.5) | 34.0 (557.2); 35.0 (573.5) center gang |
| Dimensions – A | 3.73" (94.7) | 3.73" (94.7) | 3.73" (94.7) | 2.75" (69.8) | 2.75" (69.8) | 2.75" (69.8) |
| Dimensions – B | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) |
| Dimensions – C | 6.00" (152.4) | 9.25" (235.0) | 12.50" (317.5) | 6.00" (152.4) | 9.25" (235.0) | 12.50" (317.5) |
| Dimensions – D | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) |
| Dimensions – E | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) |
| Knockouts – Sides | (2) 3/4", 1", 1-1/4" | (4) 3/4", 1", 1-1/4" | (6) 3/4", 1", 1-1/4" | (1) ½" & (1) ¾" | (8) 1/2", 3/4" | (12) 1/2", 3/4" |
| Knockouts – Ends | (2) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" | (2) ½" & (1) ¾" | (4) 1/2", 3/4" | (4) 1/2", 3/4" |
| Knockouts – Bottom | (2) 3/4", 1", 1-1/4" | (4) 3/4", 1", 1-1/4" | (6) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" | (4) 3/4", 1", 1-1/4" | (6) 3/4", 1", 1-1/4" |
| Concrete Cover Included | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Low Voltage Barrier | – | (1) Removable | (2) Removable | – | (1) Removable | (2) Removable |

*Note: UL File Number E92074. CSA File Number LR18416.*
**Suitable for single service applications only.*

## Flush Rectangular Covers Flanges

### Required Components for Flush Tile or Finished Concrete Applications

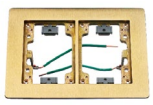
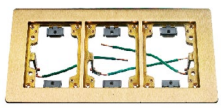
Brass **S5017GR**
Aluminum **SA5017GR**



Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

## Flat Flanges*

### Flat Flange Height 0.125"

| Number of Gangs Dimensions | 1-Gang 6.00" x 4.85" | | 2-Gang 6.00" x 8.13" | | 3-Gang 6.00" x 11.34" | |
|---|---|---|---|---|---|---|
| Brass, square edge<br>Aluminum, square edge<br>Brass, beveled edge<br>Aluminum, beveld edge | **SB3083W**<br>**SA3083W**<br>**SB3083WB**<br>**SA3083WB** |  | **SB3084W**<br>**SA3084W**<br>**SB3084WB**<br>**SA3084WB** |  | **SB3085W**<br>**SA3085W**<br>**SB3085WB**<br>**SA3085WB** |  |

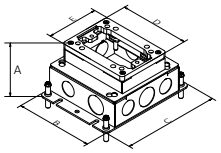
**Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

## Covers – One Required per Gang†

| Brass<br>Aluminum<br>Dimensions<br>4.15" x 2.99" | **S3825**<br>**SA3825** | **S3625**<br>**SA3625** | **S3625TR**<br>**SA3625TR** | **S3826**<br>**SA3826** | **S2425**<br>**SA2425** | **S2625**<br>**SA2625** | **S2825**<br>**—** | **S3425**<br>**—** | **S3813**<br>**SA3813** |
|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |
| | Duplex Flap | Duplex Screw | Tamper Resistant Duplex Screw | Style Line® Decorator Opening | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | 2⅜" Single Receptacle | Blank |

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

## Flush Rectangular Stamped Steel Floor Boxes with Non-Metalic Covers, for Use In Concrete Floors

| Style | Stamped Steel | | | | | |
|---|---|---|---|---|---|---|
| | 1-Gang Deep | 2-Gang Deep | 3-Gang Deep | 1-Gang Shallow | 2-Gang Shallow | 3-Gang Shallow |
|  |  |  |  |  |  |  |
| Catalog Numbers | **FB2431*** | **FB2432** | **FB2433** | **FB2421*** | **FB2422** | **FB2423** |
| Cover Frame Material | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic | Thermoplastic |
| Min. Depth of Pour | 3.75" (95.3) | 3.75" (95.3) | 3.75" (95.3) | 2.75" (69.9) | 2.75" (69.9) | 2.75" (69.9) |
| Adjustability | Fully | Fully | Fully | Fully | Fully | Fully |
| Before Pour External Height Adjustment | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) | 1.25" (31.8) |
| After Pour Internal Height Adjustment | .50" (12.7) | .50" (12.7) | .50" (12.7) | .50" (12.7) | .50" (12.7) | .50" (12.7) |
| Cubic Inch (cm3) Capacity per Gang | 54.0 (884.9) | 52.8 (865.2) | 50.8 (832.5) | 37.3 (611.2) | 35.0 (573.5) | 34.0 (557.2); 35.0 (573.5) center gang |
| Dimensions – A | 3.73" (94.7) | 3.73" (94.7) | 3.73" (94.7) | 2.75" (69.8) | 2.75" (69.8) | 2.75" (69.8) |
| Dimensions – B | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) | 4.81" (122.2) |
| Dimensions – C | 6.00" (152.4) | 9.25" (235.0) | 12.50" (317.5) | 6.00" (152.4) | 9.25" (235.0) | 12.50" (317.5) |
| Dimensions – D | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) | 4.32" (109.7) |
| Dimensions – E | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) | 3.20" (81.3) | 6.42" (163.0) | 9.64" (244.8) |
| Knockouts – Sides | (2) 3/4", 1", 1-1/4" | (4) 3/4", 1", 1-1/4" | (6) 3/4", 1", 1-1/4" | (1) ½" & (1) ¾" | (8) 1/2", 3/4" | (12) 1/2", 3/4" |
| Knockouts – Ends | (2) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" | (2) ½" & (1) ¾" | (4) 1/2", 3/4" | (4) 1/2", 3/4" |
| Knockouts – Bottom | (2) 3/4", 1", 1-1/4" | (4) 3/4", 1", 1-1/4" | (6) 3/4", 1", 1-1/4" | (2) 3/4", 1", 1-1/4" | (4) 3/4", 1", 1-1/4" | (6) 3/4", 1", 1-1/4" |
| Concrete Cover Included | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Low Voltage Barrier | – | (1) Removable | (2) Removable | – | (1) Removable | (2) Removable |

*Note: UL File Number E92074. CSA File Number LR18416.*
**Suitable for single service applications only.*

## Flush Rectangular Non-Metallic Covers and Flanges*

| Required Components for Carpet Applications | | | | Cover with Duplex and Style Line® decorator inserts included |
|---|---|---|---|---|
| Carpet Flanges | | | | |
| Number of Gangs<br>Dimensions | 1-Gang<br>6.00" x 4.88" | 2-Gang<br>6.00" x 8.13" | 3-Gang<br>6.00" x 11.35" | One Required per Gang 4.15" x 2.97" |
| Black | **MFBRFBL1** | **MFBRFBL2** | **MFBRFBL3** | **PFBR826BLA** |
| Brown | **MFBRFBR1** | **MFBRFBR2** | **MFBRFBR3** | **PFBR826BRA** |
| Gray | **MFBRFGY1** | **MFBRFGY2** | **MFBRFGY3** | **PFBR826GYA** |
| Ivory | **MFBRFI1** | **MFBRFI2** | **MFBRFI3** | **PFBR826IA** |





**Cover**

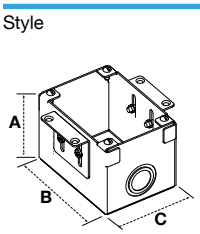
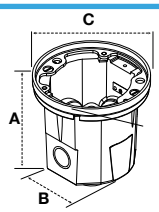
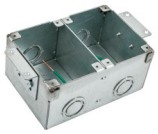

**Duplex Insert**


**Style Line® Decorator Insert**

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

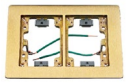
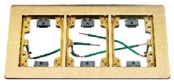
*Dimensions in Inches (mm)*

## Flush Floor Boxes for Wooden Floors

| Style | | Rectangular Stamped Steel | | | Round Cast Iron | |
|---|---|---|---|---|---|---|
|   |   Collar Material Brass | 1-Gang  **B2481*** | 2-Gang  **B2482** | 3-Gang  **B2483** | 1-Gang  **B2588*** | 1-Gang  **B2588275*** |
| Adjustability | | Semi | Semi | Semi | Non | Non |
| Cubic Inch ($cm^3$) Capacity per Gang | | 42.0 cu. in. (688.3 $cm^3$) | 42.5 cu. in. (696.5 $cm^3$) | 42.5 cu. in. (696.5 $cm^3$) | 18.5 cu. in. (303.2 $cm^3$) | 18.5 cu. in. (303.2 $cm^3$) |
| Dimensions – A | | 3.13" (79.5) | 3.13" (79.5) | 3.13" (79.5) | 3.65" (92.7) | 3.65" (92.7) |
| Dimensions – B | | 4.50" (114.3) | 4.50" (114.3) | 4.50" (114.3) | 3.22" (81.8) | 3.22" (81.8) |
| Dimensions – C | | 3.20" (81.3) | 6.42" (163.1) | 9.64" (244.9) | 4.09" (103.9) | 4.09" (103.9) |
| Threaded Hubs | | – | – | – | Bottom (2) ½" | Sides (2) ¾" Bottom (2) ½" |
| Knockouts – Ends | | (1) ½", ¾", 1" | (2) ½", ¾", 1" | (3) ½", ¾", 1" | – | – |
| Knockouts – Sides | | – | – | – | – | – |
| Knockouts – Bottom | | (1) ½", ¾", 1", 1¼" | (2) ½", ¾", 1", 1¼" | (3) ½", ¾", 1", 1¼" | – | – |
| Debris Cover Included | | ✓ | ✓ | ✓ | – | – |
| Closure Plugs Included | | – | – | – | ✓ | ✓ |
| Low Voltage Barrier | | – | (1) Removable | (2) Removable | – | – |

*Note: UL File Number E31999. CSA File Number LR18416.*
**Suitable for single service applications only.*

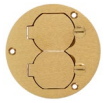
### Rectangular Flat Flanges (Required)

| | | | |
|---|---|---|---|
| Brass Aluminum | **SB3083W SA3083W** | **SB3084W SA3084W** | **SB3085W SA3085W** |
| |  |  |  |
| No. of Gangs Dimensions | 1-Gang 6.00" x 4.85" | 2-Gang 6.00" x 8.13" | 3-Gang 6.00" x 11.34" |

### Round Flanges

| | |
|---|---|
| **S3182 SA3182** | **S3082 SA3082** |
|  | |
| 5.25" Dia. | 6.25" Dia. |

### Round Covers (3.88" Dia.)†

| | | |
|---|---|---|
| **S3925 SA3925** | **S3725 SA3725** | **S2525 SA2525** |
|  |  |  |
| Duplex Flap | Duplex Screw | 2⅛" x ¾" Comb. |

### Covers – One Required per Gang†

| Brass Aluminum Dimensions 4.15" x 2.99" | **S3825 SA3825** | **S3625 SA3625** | **S3625TR SA3625TR** | **S3826 SA3826** |
|---|---|---|---|---|
| |  |  |  |  |
| | Duplex Flap | Duplex Screw | Tamper Resistant Duplex Screw | Style Line® Decorator Opening |

| Brass Aluminum Dimensions 4.15" x 2.99" | **S2425 SA2425** | **S2625 SA2625** | **S2825 –** | **S3813 SA3813** |
|---|---|---|---|---|
| |  |  |  |  |
| | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle | Blank |

†*COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.*

*Dimensions in Inches (mm)*

### Round Covers†

| Brass Aluminum 3.88" Dia. | **S2725 SA2725** | **S2925 SA2925** | **S3525 –** | **S3325 –** |
|---|---|---|---|---|
| |  |  |  |  |
| | 2⅛" x 1" Comb. | 2⅛" Single Receptacle | 2⅜" Single Receptacle | 2⅛" Single Rec. (Terrazzo Floor) |

### One Piece Brass Cover and Carpet Flange†

| Brass Aluminum 6.25" Dia. | **SF3925 SFA3925** | **SFB3926* SFA3926** | **SF2525 –** | **SF2725 –** | **SF2925 –** |
|---|---|---|---|---|---|
| Brass Plated |  |  |  |  |  |
| | Duplex Flap | Style Line® Decorator Opening | 2⅛" x ¾" Combination | 2⅛" x 1" Combination | 2⅛" Single Receptacle |

**Note: brass plated aluminum*

## Floor Box Cover to Receptacle Compatibility Chart

| Cover Style | | | Terrazzo (2⅛") | 2⅜" | 2⅛" | Duplex Flap | Duplex Plug | Style Line® |
|---|---|---|---|---|---|---|---|---|
| Round | | | S3325  | S3525  | S(A)2925<br>S(A)2725<br>S(A)2525  | S(A)3925  | S(A)3725  | |
| Rectangular | | | | S3425  | S2825<br>S(A)2625<br>S(A)2425  | S(A)3825  | S(A)3625(TR)  | S(A)3826  |
| Rating | NEMA Config. | | | | | | | |
| 2P, 3W<br>15A, 125V | 5-15R |  | HBL5251<br>HBL5261<br>IG5261 | HBL5251<br>HBL5261<br>IG5261 | HBL5251<br>HBL5261<br>IG5261 | 5252AB<br>5262B<br>CR5252IG<br>HBL5252<br>HBL5262<br>IG5262 | 5252AB<br>5262B<br>CR5252IG<br>HBL5252<br>HBL5262<br>IG5262 | HBL2152<br>IG2152<br>GFRST15<br>HBL5260SA<br>HBL5262SA<br>USB15 |
| 2P,3W<br>15A, 125V | L5-15R |  | HBL4710<br>IG4710 | HBL4710<br>IG4710 | HBL4710<br>IG4710 | HBL4700<br>IG4700A<br>HBL4792<br>HBL4794<br>HBL4795 | HBL4700<br>IG4700A<br>HBL4792<br>HBL4794<br>HBL4795 | |
| 2P, 3W<br>15A, 250V | 6-15R |  | HBL5661<br>IG5661 | HBL5661<br>IG5661 | HBL5661<br>IG5661 | HBL5652<br>HBL5662<br>IG5662 | HBL5652<br>HBL5662<br>IG5662 | |
| 2P, 3W<br>15A, 250V | L6-15R |  | HBL4560<br>IG4560 | HBL4560<br>IG4560 | HBL4560<br>IG4560 | HBL4550<br>IG4550A | HBL4550<br>IG4550A | |
| 2P, 3W<br>15A, 277V | 7-15R |  | | | | HBL5302 | HBL5302 | |
| 2P, 3W<br>15A, 277V | L7-15R |  | HBL4760 | HBL4760 | HBL4760 | HBL4750 | HBL4750 | |
| 2P, 3W<br>20A, 125V | 5-20R |  | HBL5361<br>IG5361 | HBL5361<br>IG5361 | HBL5361<br>IG5361 | 5352AB<br>5362B<br>CR5352IG<br>HBL5352<br>HBL5362<br>IG5362 | 5352AB<br>5362B<br>CR5352IG<br>HBL5352<br>HBL5362<br>IG5362 | HBL2162<br>IG2162<br>GFRST20<br>HBL5360SA<br>HBL5362SA<br>USB20 |
| 2P, 3W<br>20A, 125V | 5-20R |  | | | | HBL5392 | HBL5392 | |
| 2P, 3W<br>20A, 125V | L5-20R |  | HBL2310<br>IG2310 | HBL2310<br>IG2310 | HBL2310<br>IG2310 | | | |
| 2P, 3W<br>20A, 250V | 6-20R |  | HBL5461<br>IG5461 | HBL5461<br>IG5461 | HBL5461<br>IG5461 | HBL5462<br>IG5462 | HBL5462<br>IG5462 | |
| 2P, 3W<br>20A, 250V | L6-20R |  | HBL2320<br>IG2320 | HBL2320<br>IG2320 | HBL2320<br>IG2320 | | | |
| 2P, 3W<br>30A, 125V | L5-30R |  | HBL2610<br>IG2610 | HBL2610<br>IG2610 | HBL2610<br>IG2610 | | | |
| 2P, 3W<br>30A, 250V | L6-30R |  | HBL2620<br>IG2620 | HBL2620<br>IG2620 | HBL2620<br>IG2620 | | | |
| 3P, 4W, 20A<br>125/250V | 14-20R |  | HBL8410 | HBL8410 | HBL8410 | | | |
| | L14-20R |  | HBL2410<br>IG2410 | HBL2410<br>IG2410 | HBL2410<br>IG2410 | | | |
| 3P, 4W, 20A<br>3Ø 250V | 15-20R |  | HBL8420 | HBL8420 | HBL8420 | | | |
| | L15-20R |  | HBL2420<br>IG2420 | HBL2420<br>IG2420 | HBL2420<br>IG2420 | | | |
| 3P, 4W, 30A<br>125/250V | L14-30R |  | HBL2710<br>IG2710 | HBL2710<br>IG2710 | HBL2710<br>IG2710 | | | |
| 3P, 4W, 30A<br>3Ø 250V | L15-30R |  | HBL2720<br>IG2720 | HBL2720<br>IG2720 | HBL2720<br>IG2720 | | | |
| 3P, 4W, 30A<br>3Ø 600V | L17-30R |  | HBL2740 | HBL2740 | HBL2740 | | | |
| 4P, 5W, 20A<br>3ØY 120/208V | L21-20R |  | HBL2510<br>IG2510 | HBL2510<br>IG2510 | HBL2510<br>IG2510 | | | |
| 4P, 5W, 20A<br>3ØY 347/600V | L23-20R |  | HBL2530 | HBL2530 | HBL2530 | | | |
| 4P, 5W, 30A<br>3ØY 120/208V | L21-30R |  | HBL2810<br>IG2810 | HBL2810<br>IG2810 | HBL2810<br>IG2810 | | | |
| 4P, 5W, 30A<br>3ØY 347/600V | L23-30R |  | HBL2830 | HBL2830 | HBL2830 | | | |

## Accessories

Theater Seating Floor Box



**F3185**

### Theater Seating Floor Box

| Description | Catalog Number |
|---|---|
| Hubbell's nonadjustable theater seating concrete floor box provides a ¾ in. threaded hub for conduit connection to theater aisle lights. This floor box can also be used to power furniture receptacles in lecture halls, libraries and transportation terminals. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Threaded NPSM hubs: (¾ in. surface, (3) 3/4 in. sides, ¾ in. bottom) 18.80 cu. in. (380 cubic cm). | **F3185** |

Protective Ring for 2⅛" Threaded Covers



**S3061**

### Problem Solvers and Replacement Components
### Protective Ring for 2⅛ Inch Threaded Covers

| Description | Catalog Number |
|---|---|
| Provides mechanical and wet mop protection for plugs and receptacles (brass). | **S3061** |

*Note: Adjustment: ¾ in. and 1 in. fittings permit ½ in. vertical adjustment.*

Coupling (Brass)



**F1340**

### Coupling (Brass)

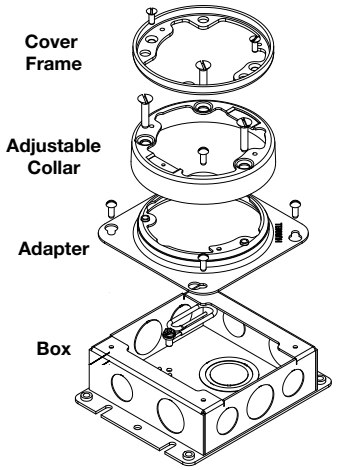
Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1¼ in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

| Description | A | B | Catalog Number |
|---|---|---|---|
| ¾ in. threaded conduit size (female). | 1.44" (36.6) | 1.25" (31.8) | **F1340** |

*Dimensions in Inches (mm)*

## Accessories

Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.




### Problem Solvers and Replacement Components

### Stacking (Adjustable) Collars and Frames

Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged.

| If the box number is... | Extension Value | Use Collar Number |
|---|---|---|
| FB2431, FB2421 | 0.78" (19.81) | **FBC2100*** |
| FB2432, FB2422 | 0.78" (19.81) | **FBC2200*** |
| FB2433, FB2423 | 0.78" (19.81) | **FBC2300*** |
| FB2536, FB2537, FB2527, FB2529 | 0.80" (20.32) | **FBC2500*** |
| FB4133 | 1.16" (29.64) | **FBC4100*** |
| FB4233 | 1.16" (29.64) | **FBC4200*** |
| FB4333 | 1.16" (29.64) | **FBC4300*** |

*Note: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24 UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.*

**Replacement Adjustable Collar**



**FBC2500** **FBC4200**

### Round Replacement Flange

| | |
|---|---|
| Round Steel Cover Flange | **S5016PG** |



**S5016PG**

### Replacement Carpet Flanges

| | Rectangular | Rectangular | Rectangular | Round |
|---|---|---|---|---|
| Number of Gangs | 1-Gang | 2-Gang | 3-Gang | 1-Gang |
| Dimensions | 6.00" x 4.85" | 6.00" x 8.13" | 6.00" x 11.34" | 5.25" Dia. |
| Brass‡ | **SB3083** | **SB3084** | **SB3085** | – |
| Aluminum‡ | **SA3083** | **SA3084** | **SA3085** | – |
| Clear Polycarbonate | **S3083** | **S3084** | **S3085** | **S3079** |

‡*Flange height; 0.47"*



**SB3083**



**S3085**



**S3079**



**SA3084**

### Crown Plugs

| Description | Used in the following covers | Catalog Number Brass | Aluminum |
|---|---|---|---|
| ¾" thread size. | S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525 | **S5012** | **SA5012** |
| 1" thread size. | S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725 | **S5013** | **SA5013** |

**Crown Plugs**



**S5012** **S5013**

### Flush Cap Rings

| Description | Used in the following covers | Catalog Number Brass | Aluminum |
|---|---|---|---|
| 2⅛" threaded plug with ¾" thread size opening. | S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525 | **S5010** | **SA5010** |
| 2⅛" threaded plug with 1" thread size opening. | S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725 | **S5025** | **SA5025** |

**Flush Cap Rings**



**S5010**

### Flush Plugs

| Description | Used in the following covers | Catalog Number Brass | Aluminum |
|---|---|---|---|
| ¾" I.P.S. thread size. | F1339, F1340 | **S5002** | – |
| 1" I.P.S. thread size. | F1539 | **S5003** | – |
| 1½" fine thread size. | S3725, SA3725, S3625, SA3625 | **S5007** | **SA5007** |
| 2⅛" fine thread size. | S2925, SA2925, S88, S2930, S2955, SF2925, S2825 | **S5020** | **SA5020** |
| 2⅜" fine thread size. | S3525, S3425 | **S5030** | – |

**Flush Plugs**



**S5007**

*Dimensions in Inches (mm)*

## Fire-Classified Floor Box Solutions



Hubbell's fire-classified floor boxes are an excellent solution when there is not enough capacity in a poke through and the decking must be penetrated for electrical installations. Available in seven or eleven gang versions, our fire rated kits are compatible with our standard CFB7G6 and CFB11G6 series floor boxes.

### Fire-Classified Floor Box Kits

- Preserves 2 or 3 hour fire classified floor rating
- Approved for installations using either light or normal weight concrete
- UL 514 and UL 263 Compliant
- Variety of ADA compliant cover choices for most floor types
- Four 1½ inch box bottom entry conduits

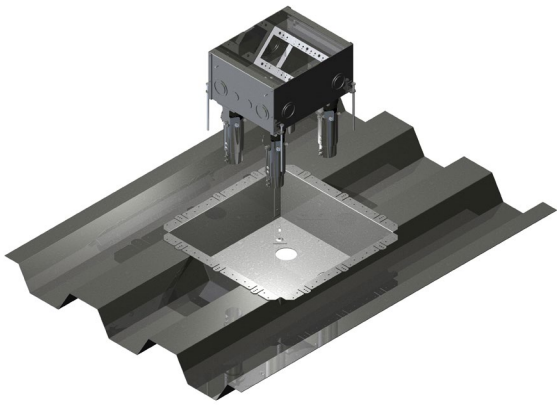
### Fire-Resistant Floor Box Kit Includes

- Floor pan, conduit assemblies, hardware, leveling feet and manual

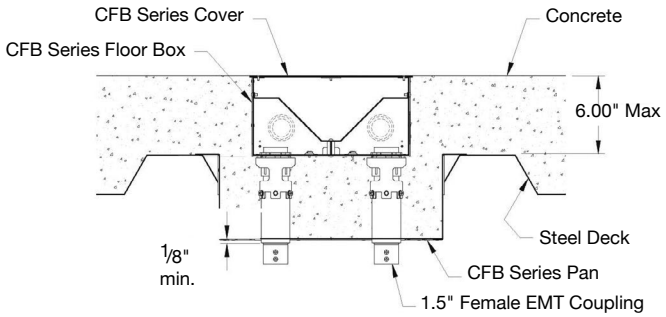
*Floor box ordered separately*

### Installation

- For Concrete pours from 3¼ in. up to 5½ in. above upper most portion of decking
- Units can be mounted 2 ft. on center
- Fastens to deck with TEK screws or welding



**CFB7G6** Floor Box above **CFB7G6FRK** Installed in decking




**CFB7G6/CFB11G6** Series

### Fire-Classified Kit for 7-Gang Floor Box

Floor box, cover and mounting plates NOT included.

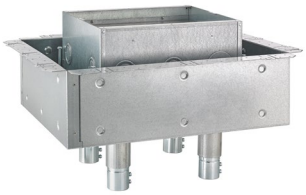


**CFB7G6FRK**
Kit with **CFB7G6**

| Description | | Catalog Number |
|---|---|---|
| Bottom feed conduits. | 4 | **CFB7G6FRK** |
| Bottom feed conduit size. | 1½ in | |
| Pan dimensions. | 17 3/16 L x 17 3/16 W x 6½ H in. | |
| Minimum depth of pour above deck roof. | 3¼ in. | |
| Maximum depth of pour above deck roof. | 5½ in. | |
| Adjustment screw length, four per kit. | 6 in. | |
| Required floor box (not included). | **CFB7G6** | |

### Fire-Classified Kit for 11-Gang Floor Box

Floor box, cover and mounting plates NOT included.

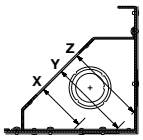
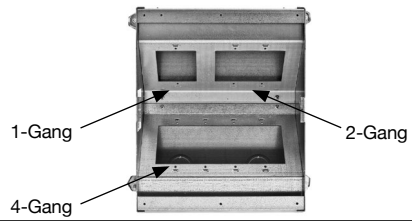
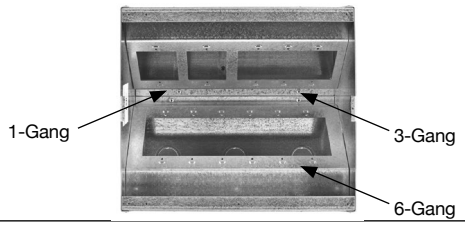


**CFB11G6FRK**
Kit with **CFB11G6**

| Description | | Catalog Number |
|---|---|---|
| Bottom feed conduits. | 4 | **CFB11G6FRK** |
| Bottom feed conduit size. | 1½ in. | |
| Pan dimensions. | 20 11/16 L x 17 3/16 W x 6½ H in. | |
| Minimum depth of pour above deck roof. | 3¼ in. | |
| Maximum depth of pour above deck roof. | 5½ in. | |
| Adjustment screw length, four per kit. | 6 in. | |
| Required floor box (not included). | **CFB11G6** | |

*Dimensions in Inches (mm)*

## Recessed 7- and 11-Gang Concrete Floor Boxes

| Style | CFB7G Series | | CFB11G Series | |
|---|---|---|---|---|
| | 7-Gang  | | 11-Gang  | |
| | **CFB7G4** | **CFB7G6** | **CFB11G4** | **CFB11G6** |
| Min. Depth of Pour | 4.08" (103.5) | 6.08" (154.3) | 4.08" (103.5) | 6.08" (154.3) |
| Adjustability | Before Pour | Before Pour | Before Pour | Before Pour |
| Dimensions: A<br>B<br>C | 4.08" (103.5)<br>10.0" (254.0)<br>12.2" (309.9) | 6.08" (154.3)<br>10.0" (254.0)<br>12.2" (309.9) | 4.08" (103.5)<br>13.5" (342.9)<br>12.2" (309.9) | 6.08" (154.3)<br>13.5" (342.9)<br>12.2" (309.9) |
| KO Trade Size: Sides<br>Back<br>Front<br>Bottom | (4) 1", 1¼"<br>(1) 1", 1¼", 1½", (1) 2"<br>(2) 1", 1¼", 1½"<br>(4) 1", 1¼", 1½" | (4) 1", 1¼", 1½"<br>(1) 1", 1¼", 1½", (1) 2"<br>(2) 1", 1¼", 1½"<br>(4) 1", 1¼", 1½" | (4) 1", 1¼"<br>(2) 1", 1¼", 1½", (1) 2"<br>(2) 1", 1¼", 1½", (2) ¾", 1"<br>(5) 1", 1¼", 1½", (2) ¾", 1" | (4) 1", 1¼", 1½"<br>(2) 1", 1¼", 1½", (1) 2"<br>(2) 1", 1¼", 1½", (2) ¾", 1"<br>(5) 1", 1¼", 1½", (2) ¾", 1" |
| Side View Depth behind mounting plate  | X - 1.01"<br>Y - 2.41"<br>Z - 3.51" | X - 2.37"<br>Y - 3.77"<br>Z - 3.65" | X - 1.02"<br>Y - 2.42"<br>Z - 3.50" | X - 2.37"<br>Y - 3.81"<br>Z - 3.72" |
| Accepts industry standard size wallplates (sold separately) | (1) 1-Gang<br>(1) 2-Gang<br>(1) 4-Gang | (1) 1-Gang<br>(1) 2-Gang<br>(1) 4-Gang | (2) 1-Gang<br>(1) 3-Gang<br>(1) 6-Gang | (1) 2-Gang<br>(1) 3-Gang<br>(1) 6-Gang |
| Interior Configuration |   | |   | |

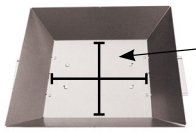
*Note: UL File Number E31999. CSA File Number LR18416.*

## Accessories

**On-grade Barrier**
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

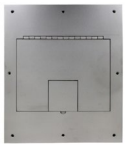
**CFBOGPAN4**





Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

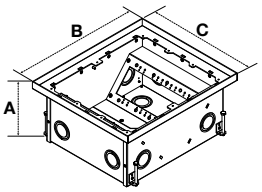
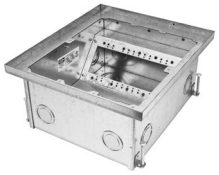
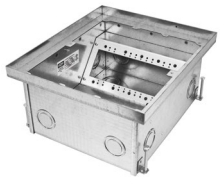
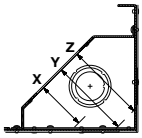
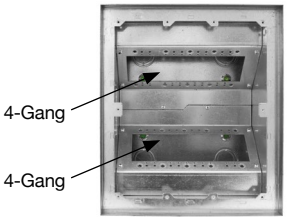
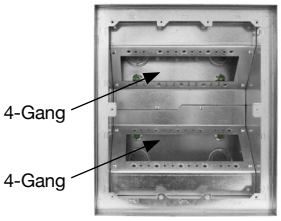
## Floor Box Covers

| CFB7G Series | | | | CFB11G Series | | | |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| Brass | Aluminum | Black | Stainless Steel | Brass | Aluminum | Black | Stainless Steel |
| Flange and cover; Beveled edge for carpet, ¼" Edging | | | | Flange and cover; Beveled edge for carpet, ¼" Edging | | | |
| **CFB7CVRBRS** | **CFB7CVRALU** | **CFB7CVRBLK** | – | **CFB11CVRBRS** | **CFB11CVRALU** | **CFB11CVRBLK** | – |
| Flange and cover; Square edge for tile, ½" Edging | | | | Flange and cover; Square edge for tile, ½" Edging | | | |
| **CFB7TBRS** | **CFB7TALU** | – | – | **CFB11TBRS** | **CFB11TALU** | – | – |
| Flange and cover; No Edging* | | | | Flange and cover; No Edging* | | | |
| – | – | **CFB7CVRCBLK** | **CFB7CVRCSS** | – | – | **CFB11CVRCBLK** | **CFB11CVRCSS** |

*Note: Covers provide a recessed area, allowing floor covering to be inserted.*
**Not UL Listed or CSA Certified.*

*Dimensions in Inches (mm)*

## Recessed 8-Gang Ballroom Series Floor Boxes

| Style | | CFB8FC Series | |
|---|---|---|---|
|  | | 8-Gang  **CFB8FC1** | 8-Gang  **CFB8FC2** |
| Application | | Carpet | Tile, Finished Concrete |
| Min. Depth of Pour | | 6.95" (176.5) | 7.15" (181.6) |
| Adjustability | | Before Pour | Before Pour |
| Dimensions: | A<br>B<br>C | 6.95" (176.5)<br>15.00" (381.0)<br>13.00" (330.2) | 7.15" (181.6)<br>14.75" (374.7)<br>12.75" (323.9) |
| KO Trade Size: | Sides<br>Front & Back<br>Bottom | (4) 1", 1¼", 1½"<br>(4) 1", 1¼", 1½"<br>(4) 1", 1¼", 1½" | (4) 1", 1¼", 1½"<br>(4) 1", 1¼", 1½"<br>(4) 1", 1¼", 1½" |
| Side View Depth behind mounting plate  | | X = 2.27" (57.7)<br>Y = 4.01" (101.9)<br>Z = 3.13" (79.5) | X = 2.27" (57.7)<br>Y = 4.01" (101.9)<br>Z = 3.13" (79.5) |
| Accepts industry standard size wallplates (sold separately) 4.63" Maximum Cover Height | | One, two, three and four gang plates. Customer configuration dependant.  | One, two, three and four gang plates. Customer configuration dependant.  |

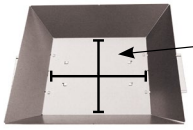
*Note: UL File Number E31999.*

## Accessories

**On-grade Barrier**
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

**CFBOGPAN4**





Pour Pan Dimensions:
15.75 in. sq.
4 in. depth

## Covers

| | CFB8FC1 Covers | | CFB8FC2 Covers | |
|---|---|---|---|---|
| All ballroom floor box covers are machined from Aluminum and have no additional finish options |  |  |  |  |
| Carpet Cover, with 2 egress doors (0.20" depth) | **CFB8CVRALU1** | – | – | – |
| Flush cover, with 2 egress doors | – | – | **CFB8CVRALU2** | – |
| Blank box cover | – | **CFB8JBC1** | – | **CFB8JBC2** |
| Cover Load Ratings*:<br>Recommended Loading<br>Maximum Load | <br>20,000 lb<br>40,000 lb | <br>20,000 lb<br>40,000 lb | <br>20,000 lb<br>40,000 lb | <br>20,000 lb<br>40,000 lb |

*Note: *Load applied through 3" (76mm) mandrel in center of cover. Loads are static and don't apply to rolling loads.*

*Dimensions in Inches (mm)*

## Above-Floor Service Fittings (Single Service)

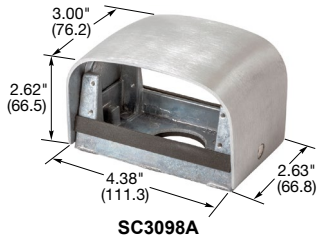
Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

### Pedestals – Metallic – LO-CON (single service only)

Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with ¾ inch or 1 inch threaded openings.

### Create Pedestal – Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.

| Description | Catalog Number |
|---|---|
| Frame, housing, ¾ in. chase nipple, without plates. | **SC3098A** |
| Frame, housing, 1 in. chase nipple, without plates. | **SC3099A** |
| Blank plate. | **SS309B** |
| Telephone bushing with 1 in. I.D. and (2) ⅜ in. KO for coax. | **SS309T** |
| Single receptacle plate with 1.39 in. (35.3) opening. | **SS309S** |
| Duplex receptacle plate. | **SS309D** |
| Style Line® decorator plate. | **SS309DS** |




**SC3098A**
**SC3099A**



**SS309D**



**SS309DS**

### Furniture Feed Plates – Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

| Description | Catalog Number |
|---|---|
| Aluminum plate with ¾ in. trade size knockout. | **SS309SF** |
| Aluminum plate, blank. | **SS309BF** |

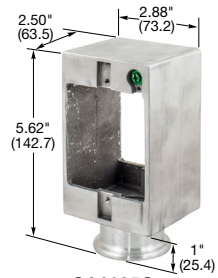
*Note: When using SS309SF on Hubbell's LO-CON pedestals, SS309BF must be used on the opposite side.*

### Pedestals – Specialized Service – Large Capacity Pedestals (single service only)

Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a ¾ inch or 1 inch hub and are designed for mounting to floor box covers with ¾ inch or 1 inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

| Description (2-Gang Housing) | Catalog Number |
|---|---|
| 2-gang aluminum pedestal, grounded (front and back) with ¾ in. hub. | **SA6685G** |
| 2-gang aluminum pedestal, grounded (front and back) with 1 in. hub. | **SA6686G** |

**2-Gang**




**SA6685G**
**SA6686G**

### Plate Option – 1-Gang

| Description | Catalog Number |
|---|---|
| Duplex opening. | **SS8** |
| Style Line® decorator opening. | **SS26** |
| Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3). | **SS7** |
| Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1). | **SS720** |
| Blank plate. | **SS13** |

| Description (4-Gang Housing) | Catalog Number |
|---|---|
| 4-gang aluminum pedestal (2 front and 2 back), with ¾ in. hub. | **SA6687G** |
| 4-gang aluminum pedestal (2 front and 2 back), with 1 in. hub. | **SA6688G** |



**SS7**

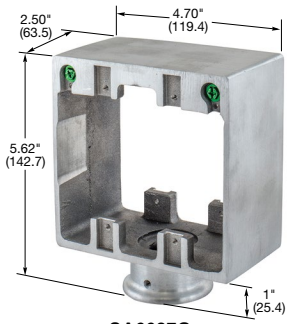


**SS720**



**SS26**

**4-Gang**




**SA6687G**
**SA6688G**

### Plate Option – 2-Gang

| Description | Catalog Number |
|---|---|
| Two duplex openings. | **SS82** |
| Two Style Line® decorator openings. | **SS262** |
| Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3). | **SS72** |
| Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0). | **SS701** |
| Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1). | **SS703** |
| Blank plate. | **SS23** |



**SS82**



**SS262**

*Dimensions in Inches (mm)*

## Features and Benefits

### Convention Center Utility Boxes

**Painted Galvanized Steel Box (14 Gauge G90)**

- Cost effective, corrosion resistant paint. Suitable for both on and above-grade applications

**Stainless Steel Box (14 Gauge 304)**

- Corrosion resistant enclosure suitable for both on and above-grade applications

**Listings/Requirements**

- UL Listed and CSA Certified
- Meets UL514 requirements for scrubwater and prevents water, dirt and debris from entering the electrical devices



Painted Galvanized Steel Box

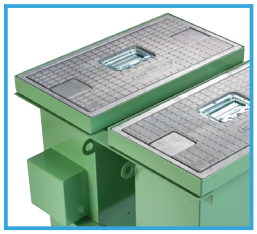


Stainless Steel Box

### Power and Data Panels*

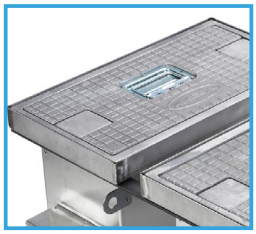
Custom manufactured and pre-wired to your project specifications. Panel options include 100A pin and sleeve, 20A and 30A Twist-Lock®, 20A GFCI, isolated ground or industrial straight blade devices. Optional circuit breaker protection is available. Up to two gangs available for audio/video/data communication requirements. Both power and data panels are shipped separately after the boxes have been set in concrete.

*Note: *Contact Hubbell for available configurations of power and data panels.*



**Box Design**

- Separate enclosure to keep water away from electrical components
- Hooks for tying onto rebar
- 2-gang low voltage compartment
- Custom built panels that accept a wide variety of electrical configurations



**Cover Design**

- Heavy duty covers, 32,000 lb. load capacity with 2x safety factor



**Adjustability**

- 4 inch pre-pour adjustability



**Air/Water Only Inside View**

- Separate enclosure for compressed air/water utilities, prevents air and water from coming in contact with electrical services
- 2 inch drain



**Stand Alone Power/Data Box**

- Custom manufactured and pre-wired to your project specifications
- Optional circuit breaker protection is available
- Up to 2-gangs available for audio/video/data communication requirements



**Power/Data Box Inside View**

- Up to 2-gangs of data
- 20A and 30A devices
- Circuit breakers
- Up to 100A pin and sleeve
- 150A maximum capacity
- Boxes do not ship with power/data panels

*Note: *Contact Hubbell for available configurations of power and data panels.*

## Convention Center Utility Boxes

### Metallic Convention Center Utility Boxes*

| Steel Convention Center Utility Box | Painted Galvanized Steel Box | Stainless Steel Box |
|---|---|---|
| with Cover for Power and Data/Communications. | **HBLSCCUBPD** | **HBLSCCUBPDSS** |
| with Cover for Power, Data/Communications and Air/Water Box. | **HBLSCCUBPDW** | **HBLSCCUBPDWSS** |
| with Cover for Air/Water Only. | **HBLSCCUBW** | **HBLSCCUBWSS** |

*Note: UL File Number E302222.*
**All boxes provided with temporary galvanized steel concrete covers.*

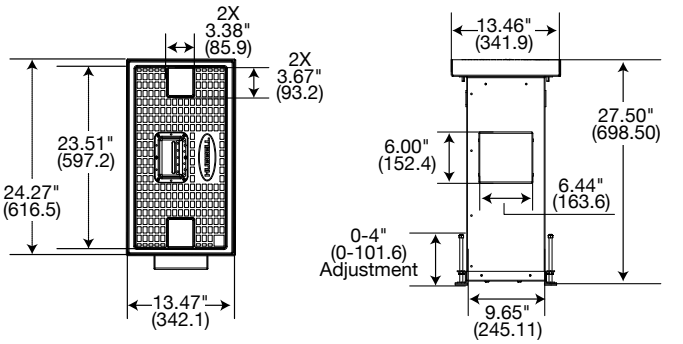


### Painted Galvanized Steel Low Voltage Panel

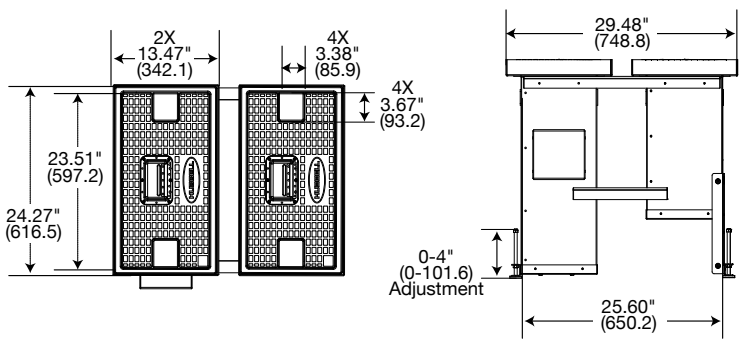
| Description | Catalog Number |
|---|---|
| Data Panel, 2-Gang, 12 Ports | **HBLSBDPCC** |

### Painted Galvanized or Stainless Steel Metallic Box

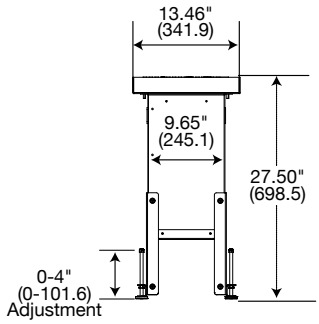
**Stand Alone Power/Data**
**HBLSCCUBPD** (Painted Galvanized)
**HBLSCCUBPDSS** (Stainless Steel)




**Combination Power/Data/Water**
**HBLSCCUBPDW** (Painted Galvanized)
**HBLSCCUBPDWSS** (Stainless Steel)

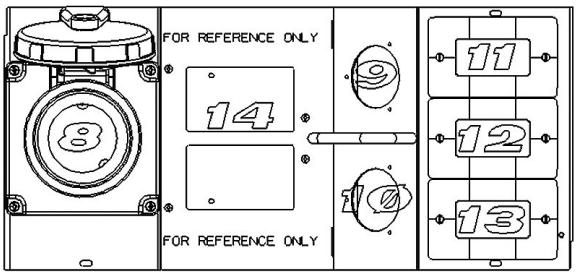



**Stand Alone Water/Air Box**
**HBLSCCUBW** (Painted Galvanized)
**HBLSCCUBWSS** (Stainless Steel)




### Pre-Wired Power Panels

Convention Center Power Panels are custom built to order and pre-wired in the factory to make installation quick and easy. Please contact the factory to configure a power panel for your specific needs.



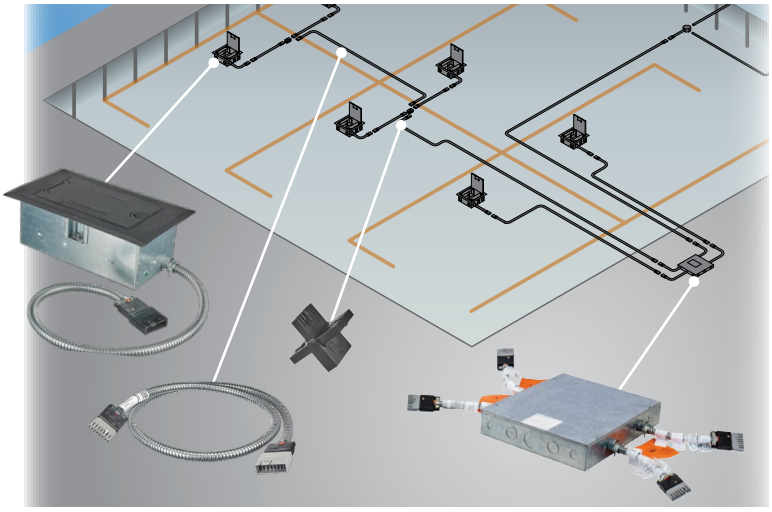

| Position | Device Options** |
|---|---|
| 8 | Qty. (1) Pin and Sleeve Receptacle, 60A or 100A. |
| 9 & 10 | Qty. (2) Twist-Lock® Receptacles (20A or 30A). |
| 11,12,13 | Qty. (3) Duplex Receptacles (20A Standard, GFCI or Isolated Ground). |
| 14 | Load Center for Circuit Breakers, 8-Pole Positions Max. |

*Note: **Contact Hubbell for available configurations of power and data panels.*

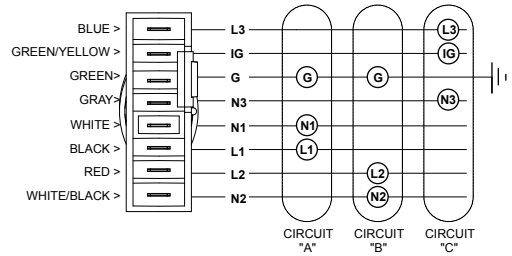
*Dimensions in Inches (mm)*

## CONNEXION Zone Distribution System

The Hubbell CONNEXION 2.0 Zone Distribution System is a factory assembled, flexible, modular plug-n-play system with Hubbell AFB Series Boxes that delivers power in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION 2.0 Zone Distribution System allows power needs to be addressed in a timely and effective manner. The basic CONNEXION 2.0 building blocks are shown below.



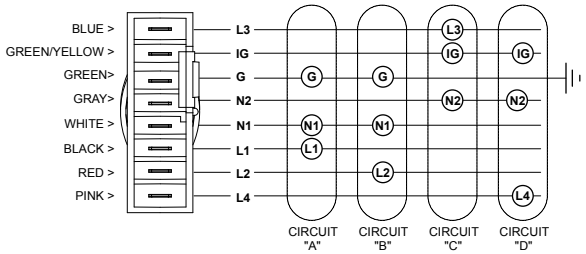
### 3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)




Appropriate for a 120/208 volt 3ØY power distribution and dedicated neutrals are desired.

- Three circuit capacity.
- Isolated ground capability for sensitive equipment.
- Each circuit has its own #12 AWG neutral.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (3 hots, 3 neutrals, 1 equipment ground, 1 isolated ground).

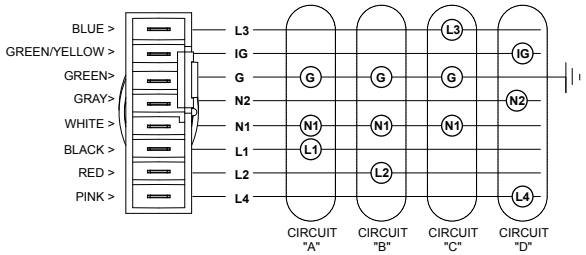
### 4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 2 + 2 Wiring Configuration




Appropriate in areas where shared neutral conductors are utilized.

- Two circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Two additional circuits share one #10 AWG neutral to manage harmonics for general purpose.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

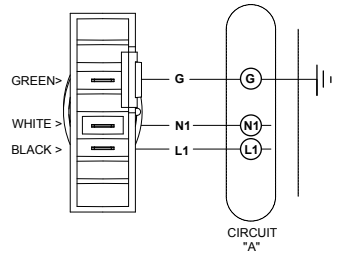
### 4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 3+ 1 Wiring Configuration




Appropriate in areas where shared neutral conductors are utilized.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose.
- One circuit on dedicated #10 AWG neutral for sensitive equipment.
- Isolated ground capability for sensitive equipment.
- Component Rating: 20 amperes at 120/208 volt.
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground).

### 1/1/1 System Configuration (1 Hot, 1 Neutral, 1 Ground)




- One circuit capacity.
- Component Rating: 20 amperes at 120/208 volt.
- 3-Wires (1 hot, 1 neutral, 1 equipment ground).

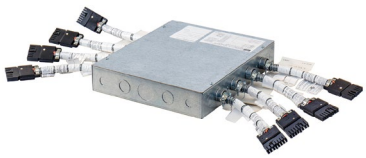
*Note: Contact factory for custom wiring configurations.*

## CONNEXION Zone Distribution System

### 2.0 Zone Boxes

| Zone Box Part Number | Wiring Configuration | Output Whips | Total Number of Circuits per Box | Circuits per Whip | Home Run Connection Type |
|---|---|---|---|---|---|
| **ZB332C3W1POUT*** | 332 | 1 | 3 | 3 | Wire nuts to open leads |
| **ZB332C6W2P** | 332 | 2 | 6 | 3 | Wire nuts to open leads |
| **ZB332C12W4P** | 332 | 4 | 12 | 3 | Wire nuts to open leads |
| **ZB332C3W2TC** | 332 | 2 | 3 | 3 | Single Screw down terminal block |
| **ZB332C3W4TC** | 332 | 4 | 3 | 3 | Single Screw down terminal block |
| **ZB332C6W2TM** | 332 | 2 | 6 | 3 | Multi Screw down terminal block |
| **ZB332C12W4TM** | 332 | 4 | 12 | 3 | Multi Screw down terminal block |
| **ZB422S2C4W1POUT*** | 422, 2+2 | 1 | 4 | 4 | Wire nuts to open leads |
| **ZB422S2C8W2P** | 422, 2+2 | 2 | 8 | 4 | Wire nuts to open leads |
| **ZB422S2C16W4P** | 422, 2+2 | 4 | 16 | 4 | Wire nuts to open leads |
| **ZB422S2C4W2TC** | 422, 2+2 | 2 | 4 | 4 | Single Screw down terminal block |
| **ZB422S2C4W4TC** | 422, 2+2 | 4 | 4 | 4 | Single Screw down terminal block |
| **ZB422S2C8W2TM** | 422, 2+2 | 2 | 8 | 4 | Multi Screw down terminal block |
| **ZB422S2C16W4TM** | 422, 2+2 | 4 | 16 | 4 | Multi Screw down terminal block |
| **ZB422S3C4W1POUT*** | 422, 3+1 | 1 | 4 | 4 | Wire nuts to open leads |
| **ZB422S3C8W2P** | 422, 3+1 | 2 | 8 | 4 | Wire nuts to open leads |
| **ZB422S3C16W4P** | 422, 3+1 | 4 | 16 | 4 | Wire nuts to open leads |
| **ZB422S3C4W2TC** | 422, 3+1 | 2 | 4 | 4 | Single Screw down terminal block |
| **ZB422S3C4W4TC** | 422, 3+1 | 4 | 4 | 4 | Single Screw down terminal block |
| **ZB422S3C8W2TM** | 422, 3+1 | 2 | 4 | 4 | Multi Screw down terminal block |
| **ZB422S3C16W4TM** | 422, 3+1 | 4 | 16 | 4 | Multi Screw down terminal block |
| **ZB111C1W1POUT*** | 111 | 1 | 1 | 1 | Wire nuts to open leads |
| **ZB111C2W2P** | 111 | 2 | 2 | 1 | Wire nuts to open leads |
| **ZB111C4W4P** | 111 | 4 | 4 | 1 | Wire nuts to open leads |
| **ZB111C6W6P** | 111 | 6 | 6 | 1 | Wire nuts to open leads |
| **ZB111C8W8P** | 111 | 8 | 8 | 1 | Wire nuts to open leads |
| **ZB111C1W2TC** | 111 | 2 | 1 | 1 | Single Screw down terminal block |
| **ZB111C1W4TC** | 111 | 4 | 1 | 1 | Single Screw down terminal block |
| **ZB111C1W6TC** | 111 | 6 | 1 | 1 | Single Screw down terminal block |
| **ZB111C1W8TC** | 111 | 8 | 1 | 1 | Single Screw down terminal block |
| **ZB111C2W2TM** | 111 | 2 | 2 | 1 | Multi Screw down terminal block |
| **ZB111C4W4TM** | 111 | 4 | 4 | 1 | Multi Screw down terminal block |
| **ZB111C6W6TM** | 111 | 6 | 6 | 1 | Multi Screw down terminal block |
| **ZB111C8W8TM** | 111 | 8 | 8 | 1 | Multi Screw down terminal block |

*Note: ****OUT*** *suffix denotes single whip output zone box, which will not be further expanded.*



Zone distribution Boxes are the core of the Connexion 2.0 system. They serve as the main interface between the conventionally connected electrical system and the labor saving Connexion 2.0 system. With a large array of knock outs, they can accept most conduit sizes when run from the circuit breaker panel. They also accept labor saving Homerun cables as part of the Connexion 2.0 system. With depth of 3 inches, the zone boxes will fit in almost any raised flooring system. Custom configurations are also available. Contact Hubbell Wiring Systems for ordering information.



### 2.0 Furniture Feeds

Furniture feeds are junction boxes which come with a pre attached power “IN” connector allowing transition to building hard-wiring underneath the raised floor.

| Zone Box Part Number | Wiring Configuration | Output Whips | Total Number of Circuits per Box | Circuits per Whip | Home Run Connection Type |
|---|---|---|---|---|---|
| **ZB332C3W1PIN** | 332 | 1 | 3 | 3 | Wire nuts to open leads |
| **ZB422S2C4W1PIN** | 422, 2+2 | 1 | 4 | 4 | Wire nuts to open leads |
| **ZB422S3C4W1PIN** | 422, 3+1 | 1 | 4 | 4 | Wire nuts to open leads |
| **ZB111C1W1PIN** | 111 | 1 | 1 | 1 | Wire nuts to open leads |

### 2.0 Splitters

Distributes all cable conductors to up to three locations (one “IN”, three “OUTS”) to increase the amount of floor boxes fed from a singe Zone Distribution Box output whip.

| Catalog Number | Wires | Hot Circuits |
|---|---|---|
| **SP31** | 3 | 1 |
| **SP83** | 8 | 3 |
| **SP84** | 8 | 4 |

### 2.0 Extender Cables

Hubbell Connexion 2.0 extender cables have male (power "IN") / female (power "OUT") ends allowing them to be connected in the field as needed. Available in three different versions, 422, 332, and 111, in 5 ft. increments up to 30 ft.

| 422 Family | 332 Family | 111 Family | Length | Connectors |
|---|---|---|---|---|
| **CEXT422MFL01** | **CEXT332MFL01** | **CEXT111MFL01** | 1 ft. | Male / Female |
| **CEXT422MFL05** | **CEXT332MFL05** | **CEXT111MFL05** | 5 ft. | Male / Female |
| **CEXT422MFL10** | **CEXT332MFL10** | **CEXT111MFL10** | 10 ft. | Male / Female |
| **CEXT422MFL15** | **CEXT332MFL15** | **CEXT111MFL15** | 15 ft. | Male / Female |
| **CEXT422MFL20** | **CEXT332MFL20** | **CEXT111MFL20** | 20 ft. | Male / Female |
| **CEXT422MFL25** | **CEXT332MFL25** | **CEXT111MFL25** | 25 ft. | Male / Female |
| **CEXT422MFL30** | **CEXT332MFL30** | **CEXT111MFL30** | 30 ft. | Male / Female |
| **CEXT422FWL01** | **CEXT332FWL01** | **CEXT111FWL01** | 1 ft. | Female / Open |
| **CEXT422FWL01XP*** | **CEXT332FWL01XP*** | **CEXT111FWL01XP*** | 1 ft. | Female / Open |
| **CEXT422MWL01** | **CEXT332MWL01** | **CEXT111MWL01** | 1 ft. | Male / Open |
| **CEXT422MWL01XP*** | **CEXT332MWL01XP*** | **CEXT111MWL01XP*** | 1 ft. | Male / Open |
| **CEXT422MWL05** | **CEXT332MWL05** | **CEXT111MWL05** | 5 ft. | Male / Open |
| **CEXT422MWL15** | **CEXT332MWL15** | **CEXT111MWL15** | 15 ft. | Male / Open |

*Note: *Standard lead length is 12 in. long.* ***XP*** *Suffix denotes 18 in. long leads for installments requiring extra-long wires. 5 piece minimum order quantities.*

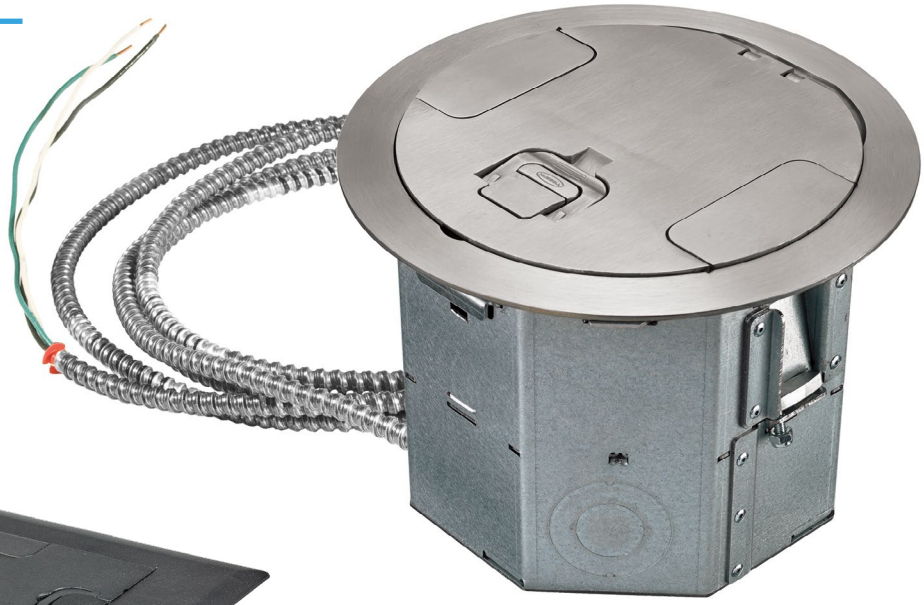




## Custom Pre-Wired Access Floor Boxes

### Cover

- 180° cover opening
- Two large cable egress doors
- Die cast aluminum construction
- Five powder coat finishes
- ADA compliant





### Box

- 16 gauge galvanized sheet metal construction

### Cable Whip

- Wire leads for field termination
- Pre-wired cable whip

### Features and Benefits

- Reduce job site fabrication time and installation labor
- Access Floor Box pre-wired to your specifications
  - Choose from Hubbell quality devices
  - Single or multiple circuit wiring configurations
  - Various cable lengths
- Reduce job site waste
- Pigtail terminates beneath raised floor
- Box covers available in five finishes
- UL Listed Wiring Assembly, file number E305156

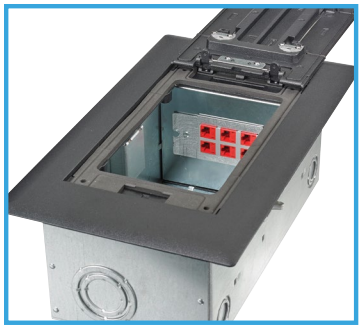
### Pre-Wired Raised Access Floor Box Options - Contact Hubbell Wiring Systems for Ordering Information

| Box Series | Description | Cover Style | Cut Out Dimensions | Conduit Knockouts |
|---|---|---|---|---|
| **AFB2G25PW** | 2-Gang, 2½" Depth | Rectangular | 6¾" x 13⅛" | ½" – ¾" |
| **AFB2G50PW** | 2-Gang, 5.0" Depth | Rectangular | 6¾" x 13⅛" | ½" – 2" |
| **AFB4G25PW** | 4-Gang, 2½" Depth | Rectangular | 11¼" x 11⅛" | ½" – ¾" |
| **AFB4G50PW** | 4-Gang, 5.0" Depth | Rectangular | 11¼" x 11⅛" | ½" – 2" |
| **AFB10G55PW** | 10-Gang, 5½" Depth | Rectangular | 11" x 11¼" | ½" – 2" |
| **RAFB4PW** | 4-Gang, 8.0" Depth | Round | 8" Diameter | ½" – 2" |

## Products at a Glance

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

## SystemOne Recessed Raised Access and Wood Floor Applications…



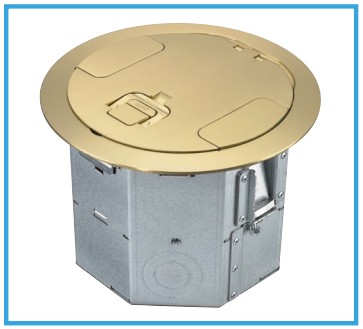
### 2-Gang Rectangular

Ideal for applications that call for basic power and data/AV requirements. The 2-gang boxes can be used as an access point to electrical or data connections, or as a furniture feed to power interior furniture partitions. Available in two box depths, the 2 ½ in. depth works well in floors using short pedestals; the 5 in. depth is ideal for furniture feed applications. The rectangular covers are available in assorted finishes to enhance any design scheme.



### 4-Gang Rectangular

The Hubbell SystemOne 4-Gang Recessed Raised Access or Wood Floor Box delivers AV plus power. Similar to the 2-gang recessed raised access floor box, the 4-gang 2 ½ inch box depth provides a solution for floors using short pedestals. The 5 inch depth is ideal for applications with a lot of requirements. Rectangular covers in a variety of finishes will match any existing or new style.



### 4-Gang Round

With an 8 in. diameter, the Hubbell SystemOne 4-Gang Round Recessed Floor Box is ideal for use in raised access floors with pre-cut tile or wood floor coverings. With a variety of finish selections, the round covers blend in with the flooring and overall design of the building. Deep, 2 ¾ in. wiring compartments are ready to accommodate today's most advanced, high-performance power, data and AV needs to supply reliable connectivity.



### 10-Gang Rectangular

Designed to serve high-capacity, multi-service applications, the 10-gang floor box supports installation with an array of Hubbell power, data and AV devices. Third-party mounting plates are available for other manufacturers' devices, including Extron®, Crestron® and FSR®. A 5 ½ in. box depth offers great capacity for connectivity, with the ability accept 2 in. conduit to meet growing AV and data needs. The rectangular covers come in a variety of colors and finishes to enhance any building's design.

### Cover

- 180° cover opening
- Two large cable egress doors
- Listed to UL 514A and UL scrubwater compliant
- Die cast aluminum cover construction
- Available in round, rectangular and furniture feed styles
- All covers are ADA compliant

### Rectangular Boxes

- 16 gauge galvanized sheet metal
- 6 in. solid conductor ground pigtail in each gang
- Many boxes allow for 2 in. conduits
- Mounts in tiles ¾ in. to 2 in. thick
- Patent pending, labor saving, easy mount device plates
- Plenum rated box assemblies

### Round Box

- Fits in 8 in. diameter air diffuser holes
- 16 gauge galvanized sheet metal construction
- Individual grounding screws for each gang
- 2 in. knock-out on the bottom allows for large amounts of data and/or AV devices
- Mounts in tiles ¾ in. to 2 in. thick
- Plenum rated box assemblies

### Pre-Wired Assemblies

- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system as shown on page O-38 and O-39
- Plenum rated box assemblies
- Contact Hubbell Territory Manager for details

Extron® is a registered trademark of Extron Electronics.
Crestron® is a registered trademark of Crestron Electronics, Inc.
FSR® is a registered trademark of FSR Inc.

# Floor Boxes

## Selecting a SystemOne Recessed Raised Access or Wood Floor Box

To assist with the floor box selection process please have the following information available:

| Electrical requirements: | Box depth | Cover style: |
|---|---|---|
| Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required.<br>Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box. | Determine maximum tile thickness and stantion height and add together. Box depth can not exceed total. | Round<br>Rectangular |

Once this information is gathered start on the right column "capacity" select necessary box, then select the concrete pour depth and on-grade or above-grade application, and finally cover style. Locate inter connecting point of all three categories and move to right to select correct catalog number.

① Capacity: Select necessary box.

② Box Depth: Determine maximum possible depth (tile and stantion height total) and select a depth less than the calculated height.

③ Cover Style: Select Round or Rectangular, not all box sizes are available in round.

④ Locate interconnecting point of all three categories and move to right to select correct catalog number.

| Capacity ① | | Box Depth ② | | | | | | Select Correct Catalog Number ④ |
|---|---|---|---|---|---|---|---|---|
| | | 2 ½ in. | | 5 in. | | 5 ½ in. | 6 ¼ in. | |
| 2-Gang | | • | • | | | | | AFB2G25 |
| | | • | • | | | | | AFB2G25CHI |
| | | | | • | • | | | AFB2G50 |
| | | | | • | • | | | AFB2G50CHI |
| 4-Gang | | • | | | | | | AFB4G25 |
| | | • | | | | | | AFB4G25CHI |
| | | | | • | | | | AFB4G50 |
| | | | | • | | | | AFB4G50CHI |
| | | | | | | | • | RAFB4BASE |
| 10-Gang | | | | | | • | | AFB10G55 |
| | | | | | | • | | AFB10G55CHI |
| | | Rectangular | Furniture Feed | Rectangular | Furniture Feed | Rectangular | Round | |
| | | Cover Style ③ | | | | | | |









# Floor Boxes

## Features and Benefits

### SystemOne Recessed Benefits and Enhancements



#### Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Dirt ingress reduced by egress door brushes
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- Easy selection with common flange for all floor types
- Round and rectangular box versions available
- Plenum rated box assemblies

#### Value

- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers
- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

#### Online Resources

- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com



#### Safety

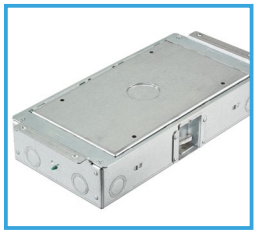
- Low profile flanges meet ADA requirements
- Hide-away egress doors fold under cover while in use
- 180° opening of main doors



#### Covers

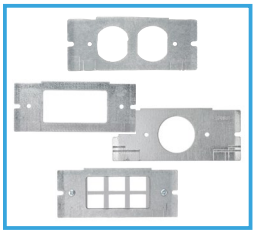
- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to ¾ in.
- Maximum static load of 800 lbs. with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*



#### Rectangular Floor Boxes

- Standard or Chicago version available
- Temporary cover included



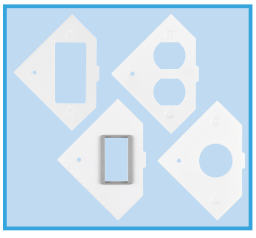
#### Plates

- For use with 2, 4 and 6-gang floor boxes
- Easy single screw mounting



#### Round Floor Boxes

- Corrosion resistant
- Temporary cover included



#### RAFB4 Plates

- All RAFB4SP series plates are powder coat white

Visit web site for information on Hubbell's Pre-wired, Plug and Play, Connexion System.

ScrubShield® Complies with UL514A

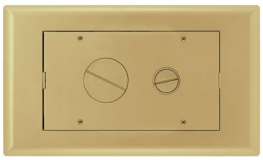
## SystemOne Recessed 2-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

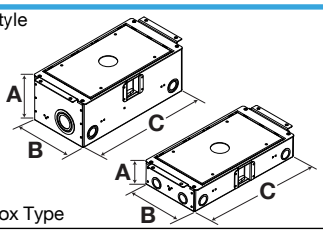
AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system


Aluminum Powder Coat


Black Powder Coat


Bronze Powder Coat


Brass Powder Coat

| Style / Box Type |  |  |  |
|---|---|---|---|
| Standard<br>Chicago (No Knockouts) | | **AFB2G50**<br>**AFB2G50CHI** | **AFB2G25**<br>**AFB2G25CHI** |
| Minimum Depth from Top of Floor Tile | | 5.32" (135.1) | 2.88" (73.2) |
| Cubic Inch (cm3) Capacity per Gang | | 60 cu. in. (980 $cm^3$) | 30 cu. in. (491.7 $cm^3$) |
| Furniture Feed; Cubic Inch ($cm^3$) Capacity per Chamber | | 135 cu. in. (2212.2 $cm^3$) | 78 cu. in. (1288.3 $cm^3$) |
| Dimensions – A | | 5.12" (130.1) | 2.68" (68.2) |
| Dimensions – B | | 6.32" (160.5) | 6.32" (160.5) |
| Dimensions – C | | 12.82" (325.6) | 12.82" (325.6) |
| KO Trade Size: Ends<br>Sides<br>Bottom | | (2) ½", (2) 1", 1¼", 1½", 2"<br>(4) ½", ¾", 1", 1¼"<br>(4) ½", ¾", 1", 1¼" | (4) ½", ¾"<br>(4) ½", ¾"<br>(2) ½", ¾", (2) 1", 1¼" |
| Floor Thickness | | .62- 2.12" (15.7- 53.8) | .62- 2.12" (15.7- 53.8) |
| Cover Family | | Rectangular | Rectangular |
| Temporary Cover Included | | ✓ | ✓ |

*Note: UL File Number E31999.*

### Rectangular Covers (for use with raised access tiles and wood floors)

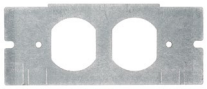
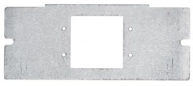
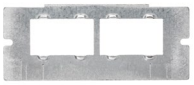
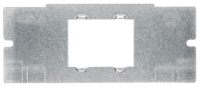
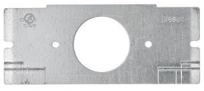
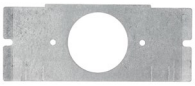
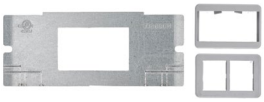
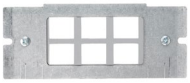
- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to ¾ in.
- Maximum static load of 800 lbs. with 2x safety factor*
- Furniture Feed Covers ship with low voltage dividers

| | Surface Cover Dimensions 15 in. x 8¾ in. | | |
|---|---|---|---|
| Finish | Without Insert | With Insert | Furniture Feed |
| Aluminum Powder Coat | **2GAFBCVRALU** | **2GAFBCVRALUC** | **2GAFBFFCVRALU** |
| Black Powder Coat | **2GAFBCVRBK** | **2GAFBCVRBKC** | **2GAFBFFCVRBK** |
| Brass Powder Coat | **2GAFBCVRBRS** | **2GAFBCVRBRSC** | **2GAFBFFCVRBRS** |
| Bronze Powder Coat | **2GAFBCVRBRZ** | **2GAFBCVRBRZC** | **2GAFBFFCVRBRZ** |
| Satin Nickel Powder Coat | **2GAFBCVRNK** | **2GAFBCVRNKC** | **2GAFBFFCVRNK** |

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

## Plates - for use in 2 and 4-Gang Floor Boxes

- UL 514A listed

| Plate Style | (1) Decorator Opening | (1) Duplex Opening | (2) Extron® MAAP Openings | (2) Extron® Openings | (2) 1U Hubbell iStation Openings |
|---|---|---|---|---|---|
| Cat. No. | **FBMPREC** | **FBMPDUP** | **FBMPMAAP** | **FBMPAAP** | **FBMP2IM** |
| |  |  |  |  |  |
| Plate Style | (1) 1.5U Hubbell iStation Opening | (1) Simplex Opening 1.40 in. Diameter | (1) Twist-Lock® Opening 1.60 in. Diameter | 1-Gang Blank | Cable Feed Through with Bushing |
| Cat. No. | **FBMP15IM** | **FBMP139** | **FBMP156** | **FBMPBNK** | **FBMPFT** |
| |  |  |  |  |  |
| Plate Style | (1) Opening for TracJack® or Series II® | (2) Hubbell Jack Openings and (4) Jack KOs w/Label Field | (1) Opening with Hubbell ISF6 Frame for Keystone Jacks | | |
| Cat. No. | **FBMPTRAC** | **FBMP6DJ** | **FBMP6KS** | | |
| |  |  |  | | |

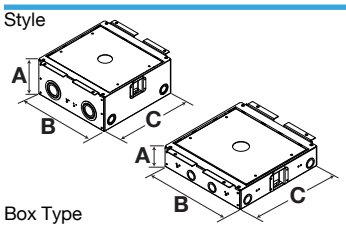
*Dimensions in Inches (mm)*

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ScrubShield® Complies with UL514A

## SystemOne Recessed 4-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system





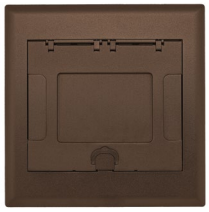



| | | |
|---|---|---|
| Standard<br>Chicago (No Knockouts) | **AFB4G50**<br>**AFB4G50CHI** | **AFB4G25**<br>**AFB4G25CHI** |
| Minimum Depth from Top of Floor Tile | 5.37" (136.4) | 2.88" (73.2) |
| Cubic Inch ($cm^3$) Capacity per Gang | 57.5 cu. in. (940 $cm^3$) | 26.5 cu. in. (434.3 $cm^3$) |
| Dimensions – A | 5.18" (131.4) | 2.69" (68.3) |
| Dimensions – B | 11.11" (282.2) | 11.11" (282.2) |
| Dimensions – C | 10.90" (276.9) | 10.90" (276.9) |
| KO Trade Size: Ends<br>Sides<br>Bottom | (2) ½", (4) 1", 1¼", 1½", 2"<br>(4) ½", ¾", 1", 1¼"<br>(4) ½", ¾", 1", 1¼" | (4) ½", ¾"<br>(4) ½", ¾"<br>(4) ½", ¾", (4) 1", 1¼" |
| Floor Thickness | .62- 2.12" (15.7- 53.8) | .62- 2.12" (15.7- 53.8) |
| Cover Family | Rectangular | Rectangular |
| Temporary Cover Included | ✓ | ✓ |

*Note: UL File Number E31999.*


Aluminum Powder Coat


Black Powder Coat


Bronze Powder Coat


Brass Powder Coat

### Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs. with 2x safety factor*

| | Surface Cover Dimensions 13 in. x 13¼ in. | |
|---|---|---|
| Finish | Without Insert | With Insert |
| Aluminum Powder Coat | **4GAFBCVRALU** | **4GAFBCVRALUC** |
| Black Powder Coat | **4GAFBCVRBK** | **4GAFBCVRBKC** |
| Brass Powder Coat | **4GAFBCVRBRS** | **4GAFBCVRBRSC** |
| Bronze Powder Coat | **4GAFBCVRBRZ** | **4GAFBCVRBRZC** |
| Satin Nickel Powder Coat | **4GAFBCVRNK** | **4GAFBCVRNKC** |

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

### Accessories

| Description | Catalog Number |
|---|---|
| AFB4G series replacement dividers. | **AFB4GDIVKIT** |



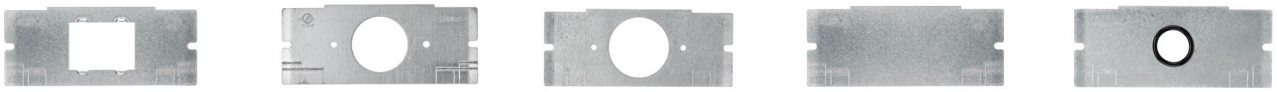
## Plates - for use in 2 and 4-Gang Floor Boxes

- UL 514A listed

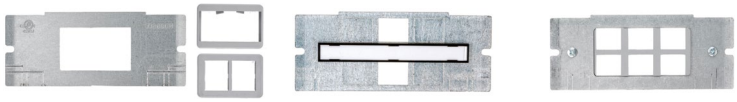
| Plate Style | (1) Decorator Opening | (1) Duplex Opening | (2) Extron® MAAP Openings | (2) Extron® Openings | (2) 1U Hubbell iStation Openings |
|---|---|---|---|---|---|
| Cat. No. | **FBMPREC** | **FBMPDUP** | **FBMPMAAP** | **FBMPAAP** | **FBMP2IM** |



| Plate Style | (1) 1.5U Hubbell iStation Opening | (1) Simplex Opening 1.40 in. Diameter | (1) Twist-Lock® Opening 1.60 in. Diameter | 1-Gang Blank | Cable Feed Through with Bushing |
|---|---|---|---|---|---|
| Cat. No. | **FBMP15IM** | **FBMP139** | **FBMP156** | **FBMPBNK** | **FBMPFT** |



| Plate Style | (1) Opening for TracJack® or Series II® | (2) Hubbell Jack Openings and (4) Jack KOs w/Label Field | (1) Opening with Hubbell ISF6 Frame for Keystone Jacks |
|---|---|---|---|
| Cat. No. | **FBMPTRAC** | **FBMP6DJ** | **FBMP6KS** |



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*Dimensions in Inches (mm)*

ScrubShield® Complies with UL514A

## SystemOne Recessed 4-Gang Round Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

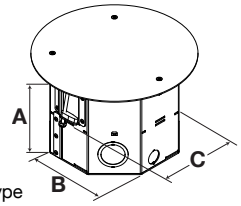
AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system



**RAFB4NKL**
with Devices



**RAFB4BRS**






| Style / Box Type | |
|---|---|
| Round | **RAFB4BASE** |
| Minimum Depth from Top of Floor Tile | 6.47" (164.3) |
| Cubic Inch ($cm^3$) Capacity per Gang | 28.5 cu. in. (460 $cm^3$) |
| Dimensions – A | 6.41" (162.9) |
| Dimensions – B | 7.33" (186.2) |
| Dimensions – C | 8.05" (204.6) |
| KO Trade Size: Sides | (2) ½" (2) ¾", 1½" - Concentric, (2) 1", 1¼" - Concentric |
| Bottom | (1) 1½", 2" (1) ¾", 1" - Concentric, (1) ¾", 1", 1¼" - Concentric |
| Floor Thickness | .71" (19.1) - 2.50" (63.5) |
| Temporary Cover Included | ✓ |
| ADA | Flange thickness is ⅛ inches thick and complies with ADA requirements |

*Note: UL File Number E31999.*


Brushed Aluminum


Black Powder Coat


Brass Plated


Antique Bronze Plated


Gray Powder Coat


Stain Nickel Plated

### RAFB4 Series – Round Floor Box with Cover

Includes: **RAFB4BASE** and 8 in. cover

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **RAFB4ALU** |
| Black Powder Coat | **RAFB4BLK** |
| Brass Plated | **RAFB4BRS** |
| Antique Bronze Plated | **RAFB4BRZ** |
| Gray Powder Coat | **RAFB4GRY** |
| Satin Nickel Plated | **RAFB4NKL** |

### 8 Inch Round Covers- * 1,000 lbs. static cover load

Round covers are suitable for use with all floor types

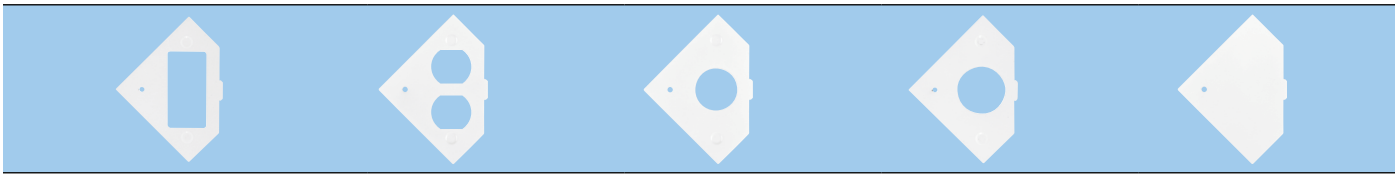
| Plate Style | Catalog Number |
|---|---|
| Brushed Aluminum | **CFBS1R8CVRALU** |
| Black Powder Coat | **CFBS1R8CVRBLK** |
| Brass Plated | **CFBS1R8CVRBRS** |
| Antique Bronze Plated | **CFBS1R8CVRBRZ** |
| Gray Powder Coat | **CFBS1R8CVRGRY** |
| Satin Nickel Plated | **CFBS1R8CVRNKL** |

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

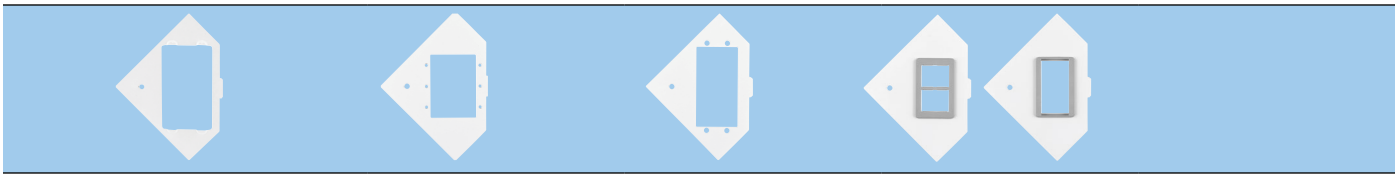
### RAFB4 Series – Plates

- All **RAFB4SP** series plates are powder coat white

| Plate Style | (1) Decorator | (1) Duplex | (1) Simplex Opening 1.40 in. Diameter | (1) Twist-Lock® Opening 1.60 in. Diameter | Blank |
|---|---|---|---|---|---|
| Cat. No. | **RAFB4SPDECO** | **RAFB4SPDUPLEX** | **RAFB4SPTL14** | **RAFB4SPTL16** | **RAFB4SPBLANK** |



| Plate Style | (1) Hubbell iStation Opening for 3 Units | (3) Extron® MAAP Modules | (2) Extron® AAP Modules | Opening to Accept Bezels for Ortronics TracJack® |
|---|---|---|---|---|
| Cat. No. | **RAFB4SP3UIS** | **RAFB4SP3MAAP** | **RAFB4SP2AAP** | **RAFB4SPORT** |



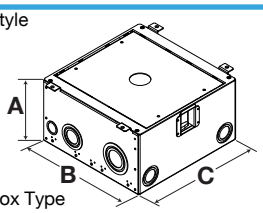
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*Dimensions in Inches (mm)*

ScrubShield® Complies with UL514A

## SystemOne Recessed 8*/10-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system






| Style / Box Type | |
|---|---|
| Standard | **AFB10G55** |
| Chicago (No Knockouts) | **AFB10G55CHI** |
| Min. Depth from Top of Floor Tile | 5.95" (151.1) |
| Cubic Inch ($cm^3$) Capacity per Gang | (2) 25 cu. in. (407.9 $cm^3$), (2) 50 cu. in. (819.4 $cm^3$), (2) 71 cu. in. (1163.5 $cm^3$) |
| Dimensions – A | 5.74" (145.9) |
| Dimensions – B | 11.11" (282.2) |
| Dimensions – C | 10.66" (270.7) |
| KO Trade Size: Ends | (2) ½", ¾", (2) ¾", 1", 1¼", 1½", (2) 1", 1¼", 1½", 2" |
| Sides | (4) ¾", 1", 1¼", 1½" |
| Bottom | (2) ½", ¾", (4) ½", ¾", 1", 1¼" |
| Floor Thickness | .56" (1.2) - 2.12" (53.8) |
| Cover Family | Rectangular |
| Temporary Cover Included | ✓ |

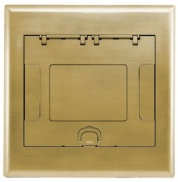
*Note: UL File Number E31999.*



Cover with Black Powder Coat



Satin Nickel Powder Coat



Brass Powder Coat

### Rectangular Covers

(for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs with 2x safety factor**

| Finish | Surface Style Covers Without Insert | With Insert |
|---|---|---|
| Aluminum Powder Coat | **10GAFBCVRALU** | **10GAFBCVRALUC** |
| Black Powder Coat | **10GAFBCVRBK** | **10GAFBCVRBKC** |
| Brass Powder Coat | **10GAFBCVRBRS** | **10GAFBCVRBRSC** |
| Bronze Powder Coat | **10GAFBCVRBRZ** | **10GAFBCVRBRZC** |
| Satin Nickel Powder Coat | **10GAFBCVRNK** | **10GAFBCVRNKC** |

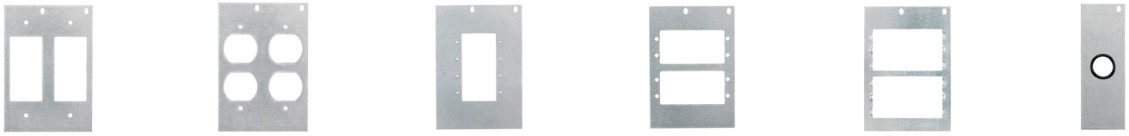
*Note: **Load applied through a 3 in. (76mm) mandrel in center of the cover.*

## Plates for Use in SystemOne 8*/10-Gang Floor Boxes

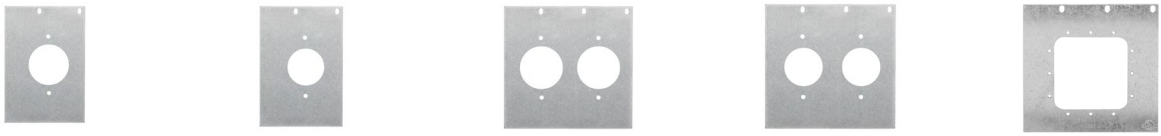
| Plate Style | (1) Decorator Opening | (1) Duplex Opening | Blank | Decorator Opening Plate Including Hubbell ISF6GY | (2) Openings to Accommodate (6) Ortronics TracJack® |
|---|---|---|---|---|---|
| Cat. No. | **FB10MPREC** | **FB10MPDUP** | **FB10MPBNK** | **FB10MPKEY** | **FB10MPTRAC** |



| Plate Style | (2) Decorator | (2) Duplex Openings | (4) Extron® MAAP Modules | (4) Extron® AAP Modules | For (6) 1U Hubbell iStation Modules | Cable Feed Through with Bushing |
|---|---|---|---|---|---|---|
| Cat. No. | **FB10MP2A** | **FB10MP2E** | **FB10MPMAAP** | **FB10MPAAP** | **FB10MP2B** | **FB10MPFT** |



| Plate Style | (1) Twist-Lock® Opening 1.60 in. Dia. (Uses 2-Gangs) | (1) Simplex Opening 1.40 in. Dia. (Uses 2-Gangs) | (2) Twist-Lock® Opening 1.60 in. Dia. (Uses 3-Gangs) | (2) Simplex Opening 1.40 in. Dia. (Uses 3-Gangs) | (1) Opening for Appliance Receptacle (Uses 3-Gangs) |
|---|---|---|---|---|---|
| Cat. No. | **FB10TLA** | **FB10TLX** | **FB10TLB** | **FB10TLY** | **FB10MP3GAPP** |



| Plate Style | (3) Twist-Lock® Opening 1.60 in. Dia. (Uses 5-Gangs) | (3) Simplex Opening 1.40 in. Dia. (Uses 5-Gangs) | (2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM –TX Product and Power (Uses 5-Gangs) | (4) Single Service Openings Utilizing NEMA Wallplate (Uses 5-Gangs) |
|---|---|---|---|---|
| Cat. No. | **FB10TLC** | **FB10TLZ** | **FB10MPNEMA2XG*** | **FB10MPNEMA4G*** |



*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

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*Dimensions in Inches (mm)*

ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

The AFBS1R4 floor box was designed for use in raised access or wood floors. It installs easily into a 4 inch diameter hole and is retained by two sets of retaining barbs on the side. Electrical connections are made below the walking surface to protect the electrical devices and increase safety by reducing tripping hazards. Intended for areas that require basic power requirements - one duplex, a duplex with two data jacks or a quadplex – the unobtrusive design will blend into any setting. Available in six architectural finishes and utilizing a flange that is ADA compliant at 1/8 inch thick, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





### Box Design

- Durable die-cast aluminum box construction
- Flexible single or dual service
- Easily installs in 4 inch diameter hole, 5⅝ inch device depth
- Four ½ inch side knockouts
- One 1, ¾ and ½ inch concentric bottom knockout



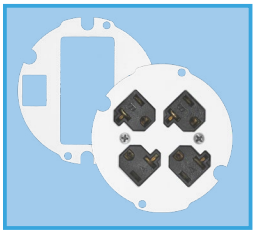
### Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



### Safety

- Increased safety with recessed connections
- Low profile flanges meet ADA requirements
- Hide-away egress door fold under cover while in use
- 180° opening of main doors



### Easy Mount Device Plates

- All S1R4SP series plates are powder coat white



### Applications

- Raised access and wood floor applications in commercial and residential buildings



### Pre-Wired Assemblies

- AFBS1R4 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Territory Manager for details

## SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

| Description | Catalog Number |
|---|---|
| Floor Box with temporary installation Cover | **AFBS1R4BASE** |
| Floor Box (AFBS1R4BASE) with Brushed Aluminum Finish Cover (AFBS1R4CVRALU) | **AFBS1R4ALU** |
| Floor Box (AFBS1R4BASE) with Black Powder Coat Finish Cover (AFBS1R4CVRBLK) | **AFBS1R4BLK** |
| Floor Box (AFBS1R4BASE) with Plated Brushed Brass Finish Cover (AFBS1R4CVRBRS) | **AFBS1R4BRS** |
| Floor Box (AFBS1R4BASE) with Plated Antique Bronze Finish Cover (AFBS1R4CVRBRZ) | **AFBS1R4BRZ** |
| Floor Box (AFBS1R4BASE) with Gray Powder Coat Finish Cover (AFBS1R4CVRGRY) | **AFBS1R4GRY** |
| Floor Box (AFBS1R4BASE) with Plated Satin Nickel Finish Cover (AFBS1R4CVRNKL) | **AFBS1R4NKL** |

*Note: UL File Number E31999.*

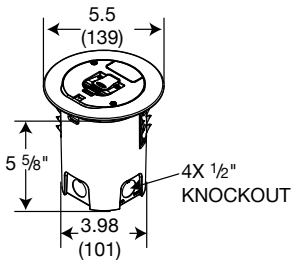



### Replacement Parts

| Description | Catalog Number |
|---|---|
| Low Voltage Divider | **AFBS1R4DIV** |
| Replacement Bottom Knockouts | **AFBS1R4BOTTOM** |

### Installation

| | |
|---|---|
| Hole Diameter | 4 inch |
| Bottom Knock out | 1 inch, ¾ inch, ½ inch concentric |
| Side knock out | (4) ½ inch |




### Covers

- Flange diameter is 5.5 inches
- Flange thickness is 1/8 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

### Architectural Covers

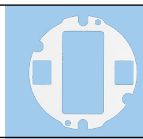
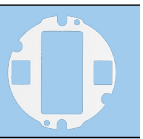
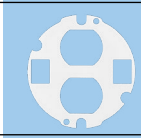
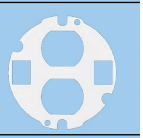
| Description / Catalog Number | Cover | Description / Catalog Number | Cover |
|---|---|---|---|
| Brushed Aluminum Finish, Single fold under cable egress door. **AFBS1R4CVRALU** |  | Plated Antique Bronze Finish, Single fold under cable egress door. **AFBS1R4CVRBRZ** |  |
| Plated Brushed Brass Finish, Single fold under cable egress door. **AFBS1R4CVRBRS** |  | Plated Satin Nickel Finish, Single fold under cable egress door. **AFBS1R4CVRNKL** |  |

### Powder Coat Covers

| Description / Catalog Number | Cover |
|---|---|
| Black Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRBLK** |  |
| Gray Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRGRY** |  |

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

### Device Mounting Plates

| Description / Catalog Number | Sub-plate | Description / Catalog Number | Sub-plate | Description / Catalog Number | Sub-plate |
|---|---|---|---|---|---|
| 2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE** |  | (1) Style Line® decorator device opening for power or datacom applications **S1R4SPSTYLE** |  | 2X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ** |  |
| 2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX** |  | (1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX** |  | 2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2DUPLEXTJ** |  |
| (4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12 inch wire leads Includes ⏻ stickers. **S1R4SPQUAD** |  | (1) 1.60 inch opening for 20 or 30A Twist-Lock® receptacle **S1R4SPTWIST** |  | (1) 1.40 inch opening for simplex receptacle **S1R4SPSIMPLEX** |  |

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*Dimensions in Inches (mm)*

ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne 6 inch Furniture Feed Floor Box, for Raised Access and Wood Floors

The AFBS1R6FF floor box is designed for use in raised access or wood floors. It installs easily into a 6 inch diameter hole and is retained by two pawl arms which swing outwards when tightened by a screw driver. Providing the lowest profile in the industry, the 1/8 inch flange thickness is ADA complaint. The box can also serve as a wiring chamber for power if needed.

Available in six architectural finishes, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





### Pre-Wired Assemblies

- AFBS1R6 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Territory Manager for details

### 6 inch Recessed Floor Boxes

| Description | Catalog Number |
|---|---|
| Floor Box with Temporary Installation Cover | **AFBS1R6BASE** |
| Floor Box (AFBS1R6BASE) with Brushed Aluminum Finish Cover (AFBS1R6FFCVRALU) | **AFBS1R6FFALU** |
| Floor Box (AFBS1R6BASE) with Black Powder Coat Finish (AFBS1R6FFCVRBLK) | **AFBS1R6FFBLK** |
| Floor Box (AFBS1R6BASE) with Brushed Brass Plated Finish Cover (AFBS1R6FFCVRBRS) | **AFBS1R6FFBRS** |
| Floor Box (AFBS1R6BASE) with Antique Bronze Plated Finish Cover (AFBS1R6FFCVRBRZ) | **AFBS1R6FFBRZ** |
| Floor Box (AFBS1R6BASE) with Gray Powder Coat Finish Cover (AFBS1R6FFCVRGRY) | **AFBS1R6FFGRY** |
| Floor Box (AFBS1R6BASE) with Plated Satin Nickel Finish Cover (AFBS1R6FFCVRNKL) | **AFBS1R6FFNKL** |

*Note: UL File Number E31999.*



**AFBS1R6BASE**



**AFBS1R6FFBLK**



**AFBS1R6FFCVRBRS**

### 6 Inch Round Covers

- Flange Diameter 7.5 inches
- Flange thickness is 1/8 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

| Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **AFBS1R6FFCVRALU** |
| Black Powder Coat | **AFBS1R6FFCVRBLK** |
| Brass Plated | **AFBS1R6FFCVRBRS** |
| Antique Bronze Plated | **AFBS1R6FFCVRBRZ** |
| Gray Powder Coat | **AFBS1R6FFCVRGRY** |
| Satin Nickel Plated | **AFBS1R6FFCVRNKL** |

### Replacement Parts

| Description | Catalog Number |
|---|---|
| Low Voltage Divider | **AFBS1R6DIV** |
| Low Voltage Grommet | **AFBS1R6GROM** |
| Low Voltage Gate | **AFBS1R6GATE** |



**AFBS1R6DIV**



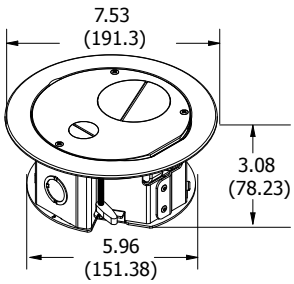
**AFBS1R6GROM**



**AFBS1R6GATE**

### Installation

| | |
|---|---|
| Hole Diameter | 6 inch |
| Bottom low Voltage Knock out | 2 inch |
| Side low voltage entry | Removable gate, area equal to 2 inch conduit |
| Bottom Power Knock out | ¾" ½" concentric |
| Side Power knock out | ¾" ½" concentric |
| Fastening | 2 pawl arms |




*Dimensions in Inches (mm)*

## SystemOne Fire-Rated Poke-Through and Floor Box Recessed Covers



### Two Concrete Floor Applications

Fire-Rated Poke-Throughs are used when the conduits can't be installed in the concrete floor and for tenant improvements.



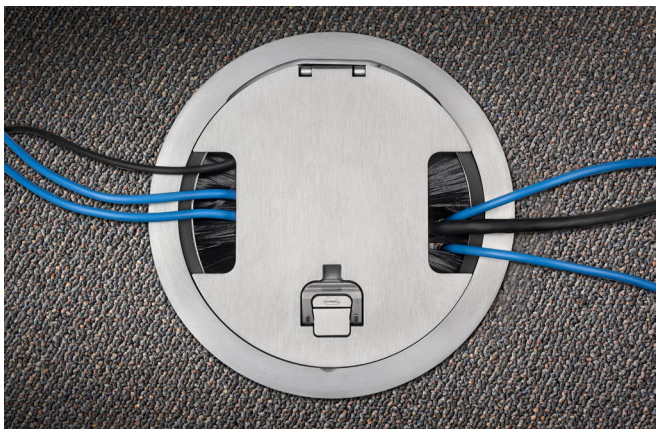
Floor boxes in concrete applications are used when the connecting conduits can be installed into the concrete floor.



### Same Results!

Dynamic Round low profile durable covers

**Recessed Cover Activation**



**or Furniture Feed Cover Activation**



# SECTION P

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**Hubbell SystemOne Recessed Systems 10, 8, 6 & 4 Inch**



**Hubbell SystemOne Multi-Service Applications**



**Hubbell Pedestal Multi-Service Applications**




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| 10 Inch Sub-Plates and Bottom Feed Plates | P-8 |
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| 6 Inch FRPT, Covers and Accessories | P-18 |
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## Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

## 10 Inch Concrete Core Hole Applications…

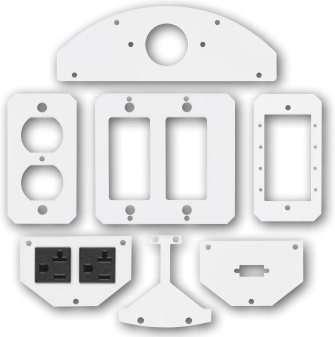


**High Capacity Multimedia Applications**
Sub-plate layout for the center four gangs of the ten inch FRPT allows for maximum AV capacity. The NEMA spacing plate allows the product flexibility to easily accept 3rd party products.



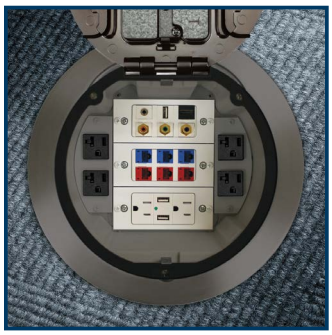
**Sub-Plates Offer Application Flexibility**
Perimeter sub-plates for the ten inch FRPT help compliment the AV or data in the center four gangs. Additionally these plates can be exchanged for other low voltage compatible plates.

**10 Inch Recessed Access**

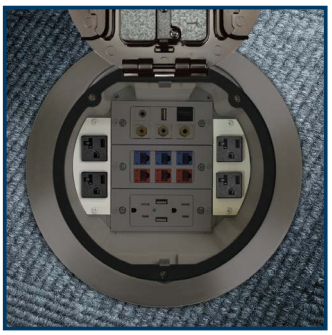


Center Sub-Plates
with Perimeter Sub-plates

## 8 Inch Concrete Core Hole Applications…

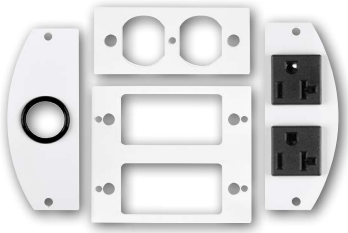


**High Capacity Multimedia Applications**
Sub-plate layout for the center three gangs of the eight inch FRPT allows for maximum AV capacity. The NEMA spacing allows the product flexibility to easily accept 3rd party products.



**Sub-Plates Offer Application Flexibility**
Perimeter sub-plates for the eight inch FRPT help compliment the AV or data in the center three gangs. Additionally these plates can be exchange for other low voltage compatible plates.

**8 Inch Recessed Access**



Center Sub-Plates
with Perimeter Sub-plates

## Hubbell SystemOne Recessed FRPTs

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality by providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

## 6 Inch Concrete Core Hole Applications…

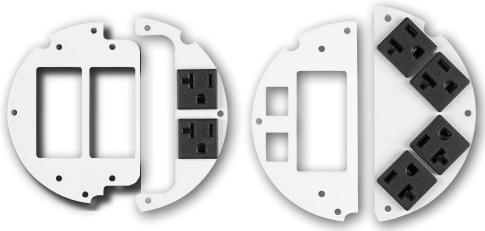


**60/40 6 Inch Sub-Plate Split**
An Industry first, the 60/40 sub-plate layout allows for unmatched capacity with up to 12 keystone jacks and one 20A duplex.



**50/50 6 Inch Sub-Plate Split**
Two duplexes with ample AV and data are achieved by using the 50/50 sub-plate layout. Additionally this layout will accommodate two Style Line® devices for GFCI, surge, etc. applications.

**6 Inch Recessed Access**



60/40 split Sub-Plates

50/50 split Sub-Plates

## 4 Inch Concrete Core Hole Applications…

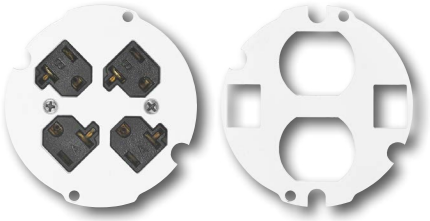


**4 Inch Quad Sub-Plate**
The pre-wired quad sub-plate can be wired as one circuit or two and includes 12 inch of stranded wire.



**4 Inch 2X2 Sub-Plate**
The 2x2 sub-plates are available with Style Line® or traditional duplex openings and can accommodate up to two keystone jacks.

**4 Inch Recessed Access**



Quad Sub-Plate

Multi & Single Service Sub-Plates

ScrubShield® Complies with UL514A

## How to Order 10, 8, 6 and 4 Inch SystemOne Products

### STEP 1: Select Recessed Access Poke-Through

**10 Inch**



**8 Inch**



**6 Inch**



**4 Inch**



### Or Select Furniture Feed Poke-Through

**10 Inch**



**8 Inch**



**6 Inch**

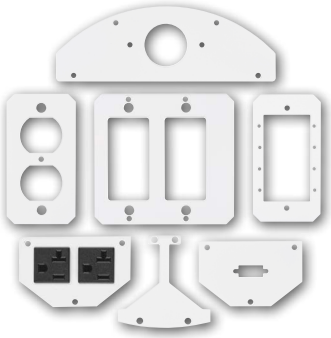


**4 Inch**

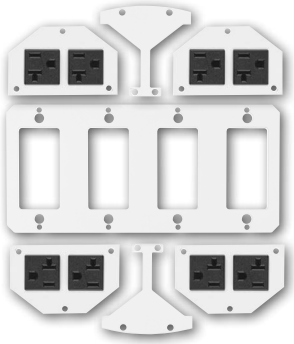


### STEP 2: Select Recessed Access Sub-Plate

**10 Inch**

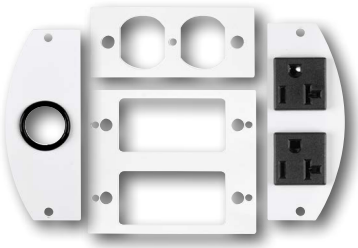


Center Sub-Plates with Perimeter Sub-plates



Open Data/AV Center Sub-Plate with Perimeter Power Sub-Plates

**8 Inch**



Center Sub-Plates with Perimeter Sub-plates

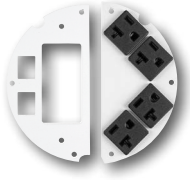


3-Gang Data/AV Center Extension with Perimeter Power Sub-Plates

**6 Inch**



60/40 Split Sub-Plates



50/50 Split Sub-Plates

**4 Inch**



Quad Sub-Plates



2X2 Sub-Plates

*Note: Furniture feed version does not require sub-plates.*

## How to Order 10, 8, 6 and 4 Inch SystemOne Products

### STEP 3: Select Recessed Cover (Aluminum cover shown, see below for all available finishes)

**10 Inch**



**8 Inch**



**6 Inch**



**4 Inch**



*Note: Tamper-Resistant 10 inch covers are also available.*

### Or Select Furniture Feed Cover (Aluminum cover shown, see below for all available finishes)

**10 Inch**



**8 Inch**



**6 Inch**



**4 Inch**



### Available Cover Finishes

Brushed Aluminum



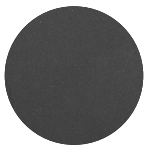
Brushed Brass Plated



Antique Bronze Plated



Black Powder Coat



Gray Powder Coat



Satin Nickel Plated



### Recommended Fire-Rated Poke-Through Size Chart

To avoid over or under utilizing the capacity of the fire-rated poke-through, first determine how many gangs of power, data and AV are required for the application. The matrix below will guide you to the correct poke-through size.

| POWER GANGS | Recommended Fire-Rated Poke-Through Size | | | | | |
|---|---|---|---|---|---|---|
| 5 | 8" | 10" | 10" | 10" | | |
| 4 | 8" | 8" | 10" | 10" | 10" | |
| 3 | 6" | 8" | 8" | 10" | 10" | 10" |
| 2 | 6" | 6" | 8" | 8" | 10" | 10" |
| 1 | 4" | 6" | 6" | 8" | 8" | 10" |
| 0 | — | 4" | 6" | 8" | 8" | 8" |
| | 0 | 1 | 2 | 3 | 4 | 5 |
| | DATA AND AV GANGS | | | | | |

Exceeds capacity of Hubbell recessed poke-throughs

**Example:** 2-gangs of power, 1-gang of AV and 1-gang of data is required. Find the intersection for 2 power gangs with 2 data/AV gangs. The highlighted intersection defines the recommended FRPT.

ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne Recessed 10 Inch Fire-Rated Poke-Through Fittings

- The most dynamic FRPT system with the largest capacity available to meet all multimedia applications where power and voice/data are required
- Maintains concrete floor fire rating up to two hours
- Tamper-resistant recessed covers available
- Furniture feed cover available with (2) generous 2 inch NPT low voltage hubs and (2) 1 inch NPT power hubs
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 10" concrete pre-pour tube



10 Inch FRPT with Accessories



### FRPT Design

- Step down installation
- Flexible single or multi-service
- Recessed connections



### Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Tamper-resistant recessed covers available
- Available in six architectural finishes



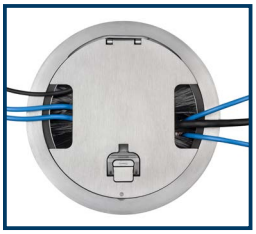
### FRPT Chambers

- 4 inch deep access chamber
- 4.43 inch deep center device chamber
- Dividers to make up to 8 individual services
- Perimeter to perimeter wiring tunnel



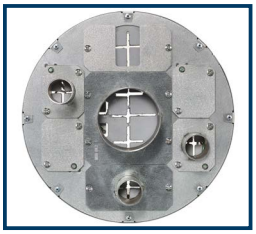
### Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 4 center gangs
- 2 full or 4 half independent perimeter gangs



### Safety

- Low profile flange, 0.16 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



### Bottom Feed Plates

- 9 center chamber and 6 perimeter adaptable feed plates
- Center chamber ranges from ½" to 2-½"
- Perimeter ranges from ½" to 1-1¼"

## SystemOne Recessed 10 Inch Core Hole Kits, for Use In Concrete Floors

| 10 Inch Fire-Rated Poke-Through | Catalog Number |
|---|---|
| Hubbell SystemOne 10 Inch Recessed Floor Fitting with Installation Cover | **S1R10PTFIT** |

Approved for use in the City of Chicago with EMT and full blank bottom feed plates.

*Note: See page P-36 for technical information.*



**S1R10PTFIT**

### 10 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R10PTALU** |
| Black Powder Coat | **S1R10PTBLK** |
| Brushed Brass Plated | **S1R10PTBRS** |
| Antique Bronze Plated | **S1R10PTBRZ** |
| Gray Powder Coat | **S1R10PTGRY** |
| Satin Nickel Plated | **S1R10PTNKL** |



**S1R10PTBRS**

### Pre-Wired 10 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT)
- (2) 20A pre-wired receptacle sub-plates with 24 inch wire leads (S1R10PSPZ)
- (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT)
- (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT)
- (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK)
- (1) Hubbell SystemOne 10 inch bottom perimeter ¾ inch plate (S1R10PBF075)
- (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV)
- (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV)
- (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)

Receptacles feature single circuit wiring

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R10PTZALU** |
| Black Powder Coat | **S1R10PTZBLK** |
| Brushed Brass Plated | **S1R10PTZBRS** |
| Antique Bronze Plated | **S1R10PTZBRZ** |
| Gray Powder Coat | **S1R10PTZGRY** |
| Satin Nickel Plated | **S1R10PTZNKL** |

*Note: xx indicates finish options.*



**S1R10PTZBLK**

## Recessed 10 Inch Covers

The 10 inch FRPT cover assembly unit includes solid cast aluminum construction and mounting hardware. Covers are recessed and available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.16 inch exceeds ADA requirement and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (2) 2" Threaded Hubs & (2) 1" Threaded Hubs with 3/4" Reducers.



### 10 Inch Fire-Rated Poke-Through Covers

| Finish | Recessed Cover Catalog Number | TR Recessed Cover* Catalog Number | Furniture Feed Cover** Catalog Number |
|---|---|---|---|
| Brushed Aluminum | **S1R10CVRALU** | **S1R10CVRTRALU** | **S1R10FFCVRALU** |
| Black Powder Coat | **S1R10CVRBLK** | **S1R10CVRTRBLK** | **S1R10FFCVRBLK** |
| Brushed Brass Plated | **S1R10CVRBRS** | **S1R10CVRTRBRS** | **S1R10FFCVRBRS** |
| Antique Bronze Plated | **S1R10CVRBRZ** | **S1R10CVRTRBRZ** | **S1R10FFCVRBRZ** |
| Gray Powder Coat | **S1R10CVRGRY** | **S1R10CVRTRGRY** | **S1R10FFCVRGRY** |
| Satin Nickel Plated | **S1R10CVRNKL** | **S1R10CVRTRNKL** | **S1R10FFCVRNKL** |

*Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.*
**Tamper-resistant covers ship with (1) S1RTR10BIT Torx-T10 bit.*
***(2) 1" NPT plugs for power with (2) 1" to ¾" reducers and (2) 2" NPT plugs for Low Voltage.*

## SystemOne Recessed 10 Inch Sub-Plates and Bottom Feed Plates

### Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Available in full or ½ gang plates



### Perimeter Sub-Plates - Full Gang

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|---|---|
| (1) Style Line® decorator opening **S1R10PSPD** | | (1) Duplex opening **S1R10PSPI** | | (1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10PSPJ** | |
| (4) Extron® MAPP openings **S1R10PSPC** | | (2) Extron® AAP openings **S1R10PSPA** | | (1) 1.60" opening for 20A & 30A Twist-Lock® **S1R10PSPG** | |

### Perimeter Sub-Plates - 1/2 Gang*

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|---|---|---|---|
| (2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker) **S1R10PSPZ** | | (2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker) **S1R10PSPZ25** | | (2) 20A pre-wired receptacles; 24" lead; one circuit (Supplied with isolated ground sticker). Marked with "⏻ Controlled" **S1R10PSPZC** | | (2) 20A pre-wired receptacles; 25 foot lead; one circuit (Supplied with isolated ground sticker). Marked with "⏻ Controlled" **S1R10PSPZ25C** | |
| (2) 20A pre-wired tamper resistant receptacles; 24 Inch lead; one circuit (Supplied with controlled and isolated ground stickers) **S1R10PSPZTR** | | (1) Unit Hubbell iSTATION opening **S1R10PSPF** | | (1) VGA/HDMI/DP opening **S1R10PSPH** | | (1) XLR opening **S1R10PSPO** | |
| Perimeter device bracket. **S1R10PSPREPBRKT** | | Blank cover plate **S1R10PSPB** | | (2) Extron® MAPP openings **S1R10PSPV** | | | |

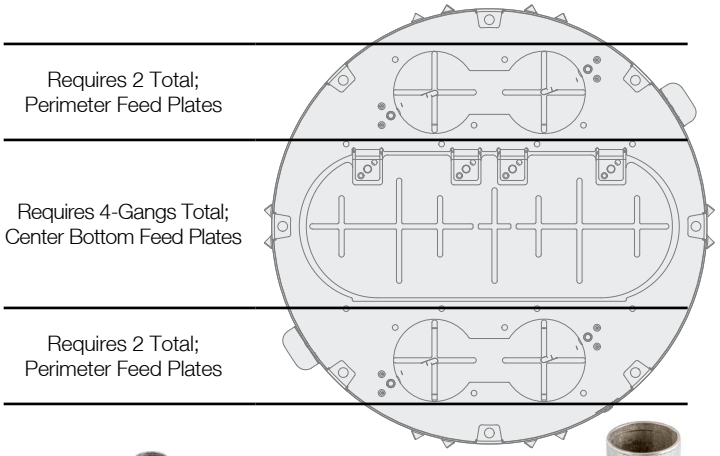
*Note: *Requires S1R10PSPREPBRKT. See page P-7 for covers and P-10 for accessories.*

### 10 Inch Bottom Feed Plates

| 1-Gang Center Bottom Feed Plates | Catalog Number |
|---|---|
| ½ inch EMT Feed | **S1R10CBF050** |
| ¾ inch EMT Feed | **S1R10CBF075** |
| 1 inch EMT Feed | **S1R10CBF100** |
| 1¼ inch EMT Feed | **S1R10CBF125** |
| Blank | **S1R10CBFBLANK** |
| Pass through | **S1R10CBFPT**** |
| **2-Gang Center Bottom Feed Plates** | |
| 1½ inch EMT Feed | **S1R10CBF150** |
| 2 inch EMT Feed | **S1R10CBF200** |
| 2½ inch EMT Feed | **S1R10CBF250*** |
| **Perimeter Bottom Feed Plates** | |
| ½ inch EMT Feed | **S1R10PBF050** |
| ¾ inch EMT Feed | **S1R10PBF075** |
| 1 inch EMT Feed | **S1R10PBF100** |
| 1¼ inch EMT Feed | **S1R10PBF125** |
| Blank | **S1R10PBFBLANK** |
| Pass through | **S1R10PBFPT**** |

*Note: *Data/AV wiring only.*
***Not approved for use in the City of Chicago.*
*See page P-36 for technical information.*

10 Inch FRPT Bottom View






1-Gang Center Bottom Feed Plate | 2-Gang Center Bottom Feed Plate* | Perimeter Bottom Feed Plate

*Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc.*

## SystemOne Recessed 10 Inch Sub-Plates

### Center Plate Configurations

- 1, 2, 3 and 4 Gang Device Plates
- Accept third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Multi-gang NEMA spaced plates available



### Center Sub-Plates - Single Gang

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|---|---|---|---|
| (1) Style Line® decorator opening<br>**S1R10CSPD** | | 3 Unit Hubbell iSTATION opening<br>**S1R10CSPL** | | (1) Duplex opening<br>**S1R10CSPI** | | Blank cover plate<br>**S1R10CSPB** | |
| (1) XLR opening<br>**S1R10CSPX** | | (2) XLR openings<br>**S1R10CSP2X** | | (1) 1.40" opening for simplex or 15A Twist-Lock®<br>**S1R10CSPJ** | | (1) 1.60" opening for 20A & 30A Twist-Lock®<br>**S1R10CSPG** | |
| (1) VGA/HDMI/DP opening<br>**S1R10CSPH** | | (2) VGA/HDMI/DP openings<br>**S1R10CSP2H** | | (4) Extron® MAPP openings<br>**S1R10CSPC** | | Ortronics® TracJack®/ Series II® opening<br>**S1R10CSPK** | |

### Center Sub-Plates - Two Gang

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|---|---|---|---|
| (2) Style Line® decorator openings NEMA spacing<br>**S1R10CSPM** | | Blank cover plate<br>**S1R10CSP2B** | | (1) 2.16" opening for 30A & 50A, 3-wire, straight blade receptacle<br>**S1R10CSPE** | | (4) Extron® APP openings<br>**S1R10CSPU** | |

### Center Sub-Plates - Three and Four Gang

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|
| (3) Style Line® decorator openings NEMA spacing<br>**S1R10CSPT** | | (4) Style Line® decorator openings<br>**S1R10CSPP** | |
| (4) Blank cover plate<br>**S1R10CSPQ** | | (4) Duplex openings<br>**S1R10CSPR** | |

*Note: Rectangular sub-plates are for center compartments, crescent sub-plates are for perimeter compartments and are not inter-changeable.*
*See page P-7 for covers, P-8 for bottom feed plates and P-10 for accessories.*

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*TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.*
*Crestron® is a registered trademark of Crestron Electronics, Inc.*
*FSR® is a registered trademark of FSR Inc.*

## SystemOne Recessed 10 Inch Accessories and Replacement Parts



S1R10PPT



S1R10ADMTBK



S1R10CVRBRUSH



S1R10TUNNEL

### 10 Inch Accessories

| Description | Catalog Number |
|---|---|
| Pre-pour tube, includes hardware. | **S1R10PPT*** |
| Abandonment plate, black finish. | **S1R10ADMTBK** |
| Center divider. | **S1R10CENTERDIV** |
| Perimeter divider. | **S1R10PERIMDIV** |
| Egress door brushes (1 Pair). | **S1R10CVRBRUSH** |
| Perimeter to perimeter wiring tunnel. | **S1R10TUNNEL** |
| Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector. | **S1FRPTJB** |
| Perimeter device bracket. | **S1R10PSPREPBRKT** |

*Note: *Not UL Listed.*



S1R10CENTERDIV



S1R10FFDIV



S1R10PSPREPBRKT



S1FRPTJB



S1R10INTUMDIV

### 10 Inch Replacement Parts

| Description | Catalog Number |
|---|---|
| Intumescent replacement divider. | **S1R10INTUMDIV** |
| Replacement furniture feed cover dividers (1 pair). | **S1R10FFDIV** |
| Replacement tamper-resistant Torx-T10 bit. | **S1RTR10BIT*** |

*Note: *Not UL Listed.*

## Capacity, Capability and Versatility





# Fire-Rated Poke-Throughs

## Features and Benefits

### Pre-Pour Tubes For Increased Installation Efficiency

- Hubbell SystemOne Pre-pour Tubes save installers time and money when it counts. Designed for second floor applications and above, pre-pour tubes are installed before the concrete slab is poured to provide correctly sized circular holes for Fire-Rated Poke-Through (FRPT) installation. Pre-pour tubes also ensure that the FRPT is placed exactly as specified on the print, while avoiding systems within the concrete floor's construction.
- Pre-pour tube installation is quicker and more cost effective as compared to the time-consuming process of concrete core drilling. Additional time and scheduling must be considered for core drilling, along with the possible safety hazards of drilling on job sites. Prior to drilling, professionals take the precaution to use x-ray or ground-penetrating radar (GPR) technology to ensure the core drill does not damage embedded conduits, rebar or tensioned cables. Cutting a tensioned cable can endanger the installer and compromise the structural integrity of the slab. If there is an obstacle, the core drill location must be adjusted, which may impact furniture and powered cubicle layouts.

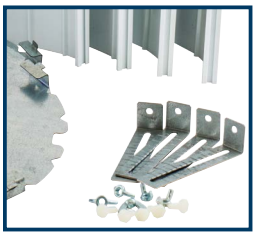


Pre-Pour Tubes



### Pre-Pour Tube Design

- Creates a circular hole for Fire-Rated Poke-Through installation
- For use in poured concrete floors
- The pre-pour tubes can be use in corrugated steel decking or plywood forms



### Hardware

- Includes adjustable mounting legs for easy leveling
- The mounting hardware provided allows for installation versatility
- The PVC walls are then easily removed with hand tools, leaving a clean circular hole for FRPT installation



### Pre-Pour Tube Sizes

- Hubbell pre-pour tubes are available in 4-, 6-, 8- and 10-inch sizes
- Single use



### Installation Design

- They consist of extruded PVC segmented dove-tailed walls which easily slide together and are locked with pre-galvanized steel disks to maintain the tube's circular shape under the stress of the concrete pour

### Pre-Pour Tubes

Includes all hardware

| Diameter | Catalog Number |
|---|---|
| 4 inches | **S1R4PPT** |
| 6 inches | **S1R6PPT** |
| 8 inches | **S1R8PPT** |
| 10 inches | **S1R10PPT** |

*Note: Not UL Listed*



**S1R4PPT**



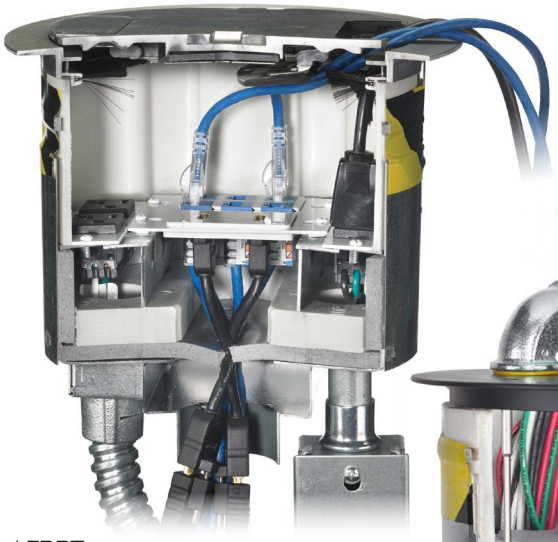
**S1R6PPT**

ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne Recessed 8 Inch Fire-Rated Poke-Through Fittings

- Perfect for high capacity multimedia applications where power and low voltage are required
- Maintains concrete floor fire rating up to two hours
- Fitting box standard
- For use in the City of Chicago applications, fitting box is NOT included
- Furniture feed cover available with (1) generous 2 inch NPT low voltage hub and (1) 1 inch NPT power hub
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 8" concrete pre-pour tube



8 Inch Recessed FRPT with Accessories



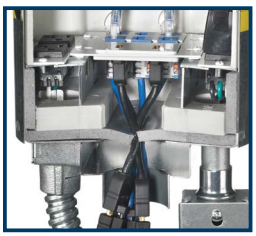
8 Inch Furniture Feed FRPT with Accessories



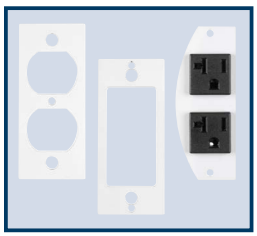
**FRPT Design**
- Step down installation
- Flexible single or dual service
- Recessed connections



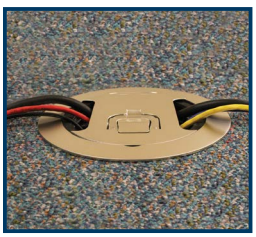
**Covers**
- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



**Chamber**
- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments
- Fixed wiring chambers
- On-site exchangeable center compartment fitting
- Standard ¾-inch EMT



**Easy Mount Device Plates**
- Multiple, open architecture mounting plates for power, data and AV
- 3 center gangs
- 2 independent perimeter gangs



**Safety**
- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



**8 Inch Sub-Plate Features**
- Center and perimeter plate configurations
- Available in pre-wired 20A duplex receptacles or data/AV plates
- Multiple 20A duplex receptacles can be wired to a common circuit or independently
- NEMA spacing between devices

## SystemOne Recessed 8 Inch Core Hole Kits, for Use In Concrete Floors

### Pre-Wired 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PTZZ1ALU** |
| Black Powder Coat | **S1R8PTZZ1BLK** |
| Brushed Brass Plated | **S1R8PTZZ1BRS** |
| Antique Bronze Plated | **S1R8PTZZ1BRZ** |
| Gray Powder Coat | **S1R8PTZZ1GRY** |
| Satin Nickel Plated | **S1R8PTZZ1NKL** |



**S1R8PTZZ1NKL**

### 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1)
- (1) Fitting connection box with 1 inch and 1½ inch EMT stubs (S1R8JNC1)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PT1ALU** |
| Black Powder Coat | **S1R8PT1BLK** |
| Brushed Brass Plated | **S1R8PT1BRS** |
| Antique Bronze Plated | **S1R8PT1BRZ** |
| Gray Powder Coat | **S1R8PT1GRY** |
| Satin Nickel Plated | **S1R8PT1NKL** |

### Pre-Wired 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PTZZ2ALU** |
| Black Powder Coat | **S1R8PTZZ2BLK** |
| Brushed Brass Plated | **S1R8PTZZ2BRS** |
| Antique Bronze Plated | **S1R8PTZZ2BRZ** |
| Gray Powder Coat | **S1R8PTZZ2GRY** |
| Satin Nickel Plated | **S1R8PTZZ2NKL** |



**S1R8PT2BLK**

### 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2)
- (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PT2ALU** |
| Black Powder Coat | **S1R8PT2BLK** |
| Brushed Brass Plated | **S1R8PT2BRS** |
| Antique Bronze Plated | **S1R8PT2BRZ** |
| Gray Powder Coat | **S1R8PT2GRY** |
| Satin Nickel Plated | **S1R8PT2NKL** |

### Pre-Wired 8 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ)
- (1) Fitting connection box with one 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

Receptacles feature single circuit wiring

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PTZZ3ALU** |
| Black Powder Coat | **S1R8PTZZ3BLK** |
| Brushed Brass Plated | **S1R8PTZZ3BRS** |
| Antique Bronze Plated | **S1R8PTZZ3BRZ** |
| Gray Powder Coat | **S1R8PTZZ3GRY** |
| Satin Nickel Plated | **S1R8PTZZ3NKL** |



**S1R8PTZZ3BRS**

### 8 Inch Fire-Rated Poke-Through Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3)
- (1) Fitting connection box with (1) 2 inch EMT stubs (S1R8JNC3)
- (1) 8 inch flange and universal cover assembly (S1R8CVRxx)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PT3ALU** |
| Black Powder Coat | **S1R8PT3BLK** |
| Brushed Brass Plated | **S1R8PT3BRS** |
| Antique Bronze Plated | **S1R8PT3BRZ** |
| Gray Powder Coat | **S1R8PT3GRY** |
| Satin Nickel Plated | **S1R8PT3NKL** |

### 8 Inch Fire-Rated Poke-Through Furniture Feed Kits

Kits include:
- (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT13)
- (1) Fitting connection box with 1 inch and 2 inch EMT stubs (S1R8JNC13)
- Low voltage dividers, internal and external intumescent materials (S1R8PTFFCOMPKIT)
- (1) 8 inch furniture feed cover assembly (S1R8FFCVRxx)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R8PTFFALU** |
| Black Powder Coat | **S1R8PTFFBLK** |
| Brushed Brass Plated | **S1R8PTFFBRS** |
| Antique Bronze Plated | **S1R8PTFFBRZ** |
| Gray Powder Coat | **S1R8PTFFGRY** |
| Satin Nickel Plated | **S1R8PTFFNKL** |



**S1R8PTFFBRZ**

*Note: xx indicates finish options.*

ScrubShield® Complies with UL514A

## SystemOne Recessed 8 Inch FRPT and Covers, for Use In Concrete Floors



S1R8PTFIT1



S1R8PTFIT13



S1R8PTFIT2CHI



S1R8JNC1



S1R8JNC3



S1R8JNC6



S1R8JNC10



S1R8PPT



S1R8ADMTBK



S1R8DIV



S1FRPTJB

### 8 Inch Fire-Rated Poke-Throughs

| Description | Catalog Number |
|---|---|
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1FRPTJB box and flexible metal conduit. S1R8JNCxx Series fitting box not included. | **S1R8PTFIT** |
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT. (1) S1FRPTJB box and flexible metal conduit. | **S1R8PTFIT1** |
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT (1) S1FRPTJB box and flexible metal conduit. | **S1R8PTFIT2** |
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT (1) S1FRPTJB box and flexible metal conduit. | **S1R8PTFIT3** |
| 8 Inch Furniture Feed Fire-Rated Poke-Through includes: S1R8PTFFCOMPKIT (see below). S1FRPTJB box or flexible metal conduit not included. Approved for use in the City of Chicago. | **S1R8PTFIT13** |
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1½ inch EMT. S1FRPTJB box or flexible metal conduit not included. | **S1R8PTFIT1CHI** |
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT. S1FRPTJB box or flexible metal conduit not included. | **S1R8PTFIT2CHI** |
| 8 Inch Fire-Rated Poke-Through includes: (1) ¾ inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT. S1FRPTJB box or flexible metal conduit not included. | **S1R8PTFIT3CHI** |

*Note: See page P-37 for technical information.*

### Recessed 8 Inch Covers

8 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (1) 2" Threaded Hub & (1) 1" Threaded Hub with 3/4" Reducer.



| Finish | Catalog Number | Furniture Feed Option |
|---|---|---|
| Brushed Aluminum | **S1R8CVRALU** | **S1R8FFCVRALU** |
| Black Powder Coat | **S1R8CVRBLK** | **S1R8FFCVRBLK** |
| Brushed Brass Plated | **S1R8CVRBRS** | **S1R8FFCVRBRS** |
| Antique Bronze Plated | **S1R8CVRBRZ** | **S1R8FFCVRBRZ** |
| Gray Powder Coat | **S1R8CVRGRY** | **S1R8FFCVRGRY** |
| Satin Nickel Plated | **S1R8CVRNKL** | **S1R8FFCVRNKL** |

*Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.*

### Fitting Boxes

| Description | Catalog Number | Description | Catalog Number |
|---|---|---|---|
| (1) 1½ inch & (1) 1 inch EMT. | **S1R8JNC1** | (1) ¾ inch & (1) 1¼ inch EMT. | **S1R8JNC8** |
| (2) 1 inch EMTs. | **S1R8JNC2** | (1) ¾ inch & (2) 1¼ inch EMTs. | **S1R8JNC9** |
| (1) 2 inch EMT. | **S1R8JNC3** | (1) 1¼ inch & (1) 2 inch EMT. | **S1R8JNC10** |
| (3) 1 inch EMTs. | **S1R8JNC4** | (1) 1½ inch & (1) 2 inch EMT. | **S1R8JNC11** |
| (1) 1½ inch & (1) 1¼ inch EMT. | **S1R8JNC5** | (3) 1¼ inch EMTs. | **S1R8JNC12** |
| (2) 1¼ inch EMTs. | **S1R8JNC6** | (1) 1 inch & (1) 2 inch EMTs. | **S1R8JNC13** |
| (1) ¾ inch & (2) 1 inch EMTs. | **S1R8JNC7** | | |

### 8 Inch Accessories

| Description | Catalog Number | Description | Catalog Number |
|---|---|---|---|
| Includes components to convert installed 8" Recessed FRPT to Furniture Feed activation; S1R8JNC13, low voltage dividers, internal and external intumescent materials. | **S1R8PTFFCOMPKIT** | 1 Inch replacement Plug, Brushed Aluminum | **S1RPLUG100ALU** |
| | | 1 Inch replacement Plug, Black Powder | **S1RPLUG100BLK** |
| | | 1 Inch replacement Plug, Brass Plated | **S1RPLUG100BRS** |
| | | 1 Inch replacement Plug, Bronze Plated | **S1RPLUG100BRZ** |
| Pre-pour tube, includes hardware. | **S1R8PPT*** | 1 Inch replacement Plug, Gray Powder | **S1RPLUG100GRY** |
| Abandonment plate, black finish. | **S1R8ADMTBK** | 1 Inch replacement Plug, Nickel Plated | **S1RPLUG100NKL** |
| Low voltage replacement divider. | **S1R8DIV** | Power junction box | **S1FRPTJB** |

*Note: *Not UL Listed.*

## SystemOne Recessed 8 Inch Sub-Plates

### Center Plate Configurations

- Allows for 3 duplexes or up to 18 data/ AV jacks. Other combinations possible
- Accepts third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Standard NEMA spacing between devices



### Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Multiple duplexes can be wired in the supplied junction box or independently



### Center Sub-Plates - Single Gang

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|
| Blank cover plate<br>**S1R8CSPB** | | (2) Extron® MAAP openings<br>**S1R8CSPC** | |
| (1) 1 unit Hubbell iSTATION opening<br>**S1R8CSPD** | | (1) 1.5 unit Hubbell iSTATION opening (See section Y for modules)<br>**S1R8CSPE** | |
| (1) 1.60" opening for 20A & 30A Twist-Lock®<br>**S1R8CSPG** | | (1) Duplex opening<br>**S1R8CSPI** | |
| (1) 1.40" opening for simplex or 15A Twist-Lock®<br>**S1R8CSPJ** | | (1) Style Line® decorator opening<br>**S1R8CSPK** | |
| (1) Hubbell Jack opening and (3) Jack KOs with Label Field<br>**S1R8CSP4DJ** | | | |

### Perimeter Sub-Plates

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|
| Blank cover plate<br>**S1R8PSPU** | | Single Extron® MAAP opening<br>**S1R8PSPV** | |
| Pull through with 1" bushing opening<br>**S1R8PSPW** | | Single Extron® AAP opening<br>**S1R8PSPX** | |
| (1) 1 unit Hubbell iSTATION opening (See section Y for modules)<br>**S1R8PSPY** | | Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker)<br>**S1R8PSPZ**<br>**S1R8PSPZ25** (25 foot leads) | |
| Dual 20A pre-wired power cubes; one circuit (Supplied with isolated ground sticker); Marked with "⏻ Controlled"; (18 inch leads)<br>**S1R8PSPZC** | | Dual 20A pre-wired power tamper resistant cubes; one circuit (Supplied with controlled and isolated ground stickers); (18 inch leads)<br>**S1R8PSPZTR** | |

### Center Sub-Plates - Two Gang

| Desc/Cat. No. | Sub-plate | Desc/Cat. No. | Sub-plate | Desc/Cat. No. | Sub-plate | Desc/Cat. No. | Sub-plate | Desc/Cat. No. | Sub-plate |
|---|---|---|---|---|---|---|---|---|---|
| Two gang; (4) Extron® AAP openings<br>**S1R8CSPA** | | Two gang; 3 unit Hubbell iSTATION opening (See section Y for modules)<br>**S1R8CSPL** | | Two gang; (2) Style Line® Decorator openings<br>**S1R8CSPM** | | Two gang; device depth extension collar (for use with 3rd party data up to 2.5"depth)<br>**S1R8CSPEXT** | | Two gang; (2) Hubbell Jack openings and (4) Jack KOs with Label Field<br>**S1R8CSP6DJ** | |

### Center Sub-Plates - Three Gang

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|---|---|
| Three gang; blank cover plate<br>**S1R8CSPN** | | Three gang; device depth extension collar (for use with 3rd party data up to 2.5" depth)<br>**S1R8CSPEXT3** | | Three gang extender with two gang opening; device depth extension collar (for use with 3rd party data up to 2.5" depth)<br>**S1R8CSPEXT32** | |

*Note: Rectangular sub-plates are for center compartments, crescent sub-plates are for perimeter compartments and are not inter-changeable.*
*See page P-14 for covers and accessories.*

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*Crestron® is a registered trademark of Crestron Electronics, Inc.*
*FSR® is a registered trademark of FSR Inc.*

ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne Recessed 6 Inch Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to two hours
- Junction box standard
- Includes (1) 2 inch data/AV EMT and (1) ¾ inch power EMT
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 6" concrete pre-pour tube



6 Inch FRPT with Accessories



**FRPT Design**

- Step down installation
- Flexible single or dual service
- Recessed connections



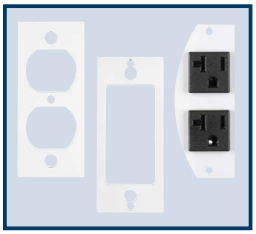
**Covers**

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Available in six architectural finishes



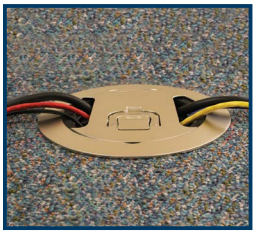
**Chamber**

- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments divides up to 2.9 inch (73mm) deep
- Adaptable low voltage divider
- 2-inch EMT bottom feed
- ¾-inch EMT bottom feed



**Easy Mount Device Plates**

- Multiple, open architecture mounting plates for power, data and AV



**Safety**

- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



**6 Inch Sub-Plate Features 60/40 or 50/50 Device Plate Combinations**

- Allows for a wide array of data and AV connectivity with a 20A duplex receptacle
- The two plates can be independently wired

## SystemOne Recessed 6 Inch Core Hole Kits, for Use In Concrete Floors

### Pre-Wired 60/40 Split 6 Inch Fire-Rated Poke-Through for Data AV Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (2) Decorator opening sub-plate (S1R6SPW)
- (2) 20A, pre-wired receptacle with 18 inch wire leads (S1R6SPZ)
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Receptacles feature single circuit wiring.

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R6PTWZALU** |
| Black Powder Coat | **S1R6PTWZBLK** |
| Brushed Brass Plated | **S1R6PTWZBRS** |
| Antique Bronze Plated | **S1R6PTWZBRZ** |
| Gray Powder Coat | **S1R6PTWZGRY** |
| Satin Nickel Plated | **S1R6PTWZNKL** |


**S1R6PTWZALU**

### Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell Data AV Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (4) 1 Unit Hubbell iSTATION openings (S1R6SPD)
- (1) Decorator opening and (2) keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R6PTDEHALU** |
| Black Powder Coat | **S1R6PTDEHBLK** |
| Brushed Brass Plated | **S1R6PTDEHBRS** |
| Antique Bronze Plated | **S1R6PTDEHBRZ** |
| Gray Powder Coat | **S1R6PTDEHGRY** |
| Satin Nickel Plated | **S1R6PTDEHNKL** |


**S1R6PTDEHBLK**

### Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell or Third Party Devices Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (3) Extron® AAP openings (S1R6SPA)
- (5) Extron® MAPP openings (S1R6SPC)
- (1) Decorator opening and (2) Hubbell keystone openings (S1R6SPE)
- (4) 20A, pre-wired receptacles (S1R6SPH)
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

Opening architecture Keystone openings accept Hubbell modular jacks and many others.
Receptacles feature single or two circuit wiring and isolated ground capability.

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R6PTACEHALU** |
| Black Powder Coat | **S1R6PTACEHBLK** |
| Brushed Brass Plated | **S1R6PTACEHBRS** |
| Antique Bronze Plated | **S1R6PTACEHBRZ** |
| Gray Powder Coat | **S1R6PTACEHGRY** |
| Satin Nickel Plated | **S1R6PTACEHNKL** |


**S1R6PTBRS**

### 6 Inch Fire-Rated Poke-Through with Finished Cover Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)
- (1) 6 inch flange and universal cover assembly (S1R6CVRxx)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R6PTALU** |
| Black Powder Coat | **S1R6PTBLK** |
| Brushed Brass Plated | **S1R6PTBRS** |
| Antique Bronze Plated | **S1R6PTBRZ** |
| Gray Powder Coat | **S1R6PTGRY** |
| Satin Nickel Plated | **S1R6PTNKL** |

### 6 Inch Fire-Rated Poke-Through for Furniture Feed Applications Kits

Kits include:
- (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT)
- (1) 6 inch furniture feed flange and cover assembly (S1R6FFCVRxx)
- (1) 2 inch conduit fitting
- (1) ¾ inch conduit fitting
- (1) Set 1½ inch sub-plate extensions (S1R6SPEXT)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R6PTFFALU** |
| Black Powder Coat | **S1R6PTFFBLK** |
| Brushed Brass Plated | **S1R6PTFFBRS** |
| Antique Bronze Plated | **S1R6PTFFBRZ** |
| Gray Powder Coat | **S1R6PTFFGRY** |
| Satin Nickel Plated | **S1R6PTFFNKL** |


**S1R6PTFFNKL**

*Note: xx indicates finish options.*

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## SystemOne Recessed 6 Inch FRPT and Covers, for Use In Concrete Floors



S1R6PTFIT

### 6 Inch Fire-Rated Poke-Throughs

| Description | Catalog Number |
|---|---|
| 6 Inch Fire-Rated Poke-Through. | **S1R6PTFIT** |
| 6 Inch Fire-Rated Poke-Through; for use in the City of Chicago. | **S1R6PTFITCHI** |

*Note: See page P-36 for technical information.*



S1R6PTFITCHI

### Recessed 6 Inch Covers

6 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers include (1) 2" Threaded Hub & (1) 3/4" Threaded Hub.



| Cover Finish | Catalog Number | Furniture Feed Option |
|---|---|---|
| Brushed Aluminum | **S1R6CVRALU** | **S1R6FFCVRALU** |
| Black Powder Coat | **S1R6CVRBLK** | **S1R6FFCVRBLK** |
| Brushed Brass Plated | **S1R6CVRBRS** | **S1R6FFCVRBRS** |
| Antique Bronze Plated | **S1R6CVRBRZ** | **S1R6FFCVRBRZ** |
| Gray Powder Coat | **S1R6CVRGRY** | **S1R6FFCVRGRY** |
| Satin Nickel Plated | **S1R6CVRNKL** | **S1R6FFCVRNKL** |

*Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover. Static loads only.*



S1R6PPT



S1R6ADMTBK



S1FRPTJB



S1R6DIV



S1R6SPEXT

### 6 Inch Accessories

| Description | Catalog Number |
|---|---|
| Pre-pour tube, includes hardware. | **S1R6PPT*** |
| Abandonment plate, black finish. | **S1R6ADMTBK** |
| Low voltage replacement divider. | **S1R6DIV** |
| Power junction box, 27.0 cubic inches; (1) ¾ inch and (1) 1 inch EMT connector. | **S1FRPTJB** |
| Replacement 1½ inch extension kit, ships with 6" FRPT kits and S1R6PTFIT(CHI) | **S1R6SPEXT** |
| Power junction box | **S1FRPTJB2** |

*Note: *Not UL Listed.*



S1RFFFIT2

### Replacement Furniture Feed Fitting

| Description | Catalog Number |
|---|---|
| 2 inch furniture feed fitting. | **S1RFFFIT2** |



S1RPLUG2ALU



S1RPLUG075ALU

### Replacement Plugs

| Finish | 2 Inch | ¾ Inch |
|---|---|---|
| Brushed Aluminum | **S1RPLUG2ALU** | **S1RPLUG075ALU** |
| Black Powder Coat | **S1RPLUG2BLK** | **S1RPLUG075BLK** |
| Brushed Brass Plated | **S1RPLUG2BRS** | **S1RPLUG075BRS** |
| Antique Bronze Plated | **S1RPLUG2BRZ** | **S1RPLUG075BRZ** |
| Satin Nickel Plated | **S1RPLUG2NKL** | **S1RPLUG075NKL** |

## SystemOne Recessed 6 Inch Sub-Plates, for Use In Concrete Floors

### 60/40 Device Plate Combination



- Allows for up to twelve data/AV jacks plus a 20A duplex receptacle
- Two plates which can be wired independently

### Left 60% Sub-Plates

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|
| (1) Extron® MAAP opening, (4) Extron® MAAP openings, (1) Extron® MAAP opening, left side only<br>**S1R6SPT*** | | (2) MAAP and (2) AAP Extron® openings, left side only<br>**S1R6SPU*** | |
| (1) Style Line® decorator and (2) Extron® MAAP openings, left side only<br>**S1R6SPV*** | | (2) Style Line® decorator openings, left side only<br>**S1R6SPW*** | |
| (1) Style Line® decorator and (2) Extron® AAP openings, left side only<br>**S1R6SPX*** | | (1) Style Line® decorator and (2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules)<br>**S1R6SPY*** | |

### Right 40% Sub-Plates

| | | | |
|---|---|---|---|
| (2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker)<br>**S1R6SPZ** | | (2) 20A pre-wired receptacles; 25 foot lead; one circuit, right side only (Supplied with isolated ground sticker)<br>**S1R6SPZ25** | |
| (2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker); Marked with "⏻ Controlled"<br>**S1R6SPZC** | | | |

*Note: Sub-plates can not be rotated to create additional layouts. When assembled, sub-plates can not overlap. Custom plates available upon request and may be subject to minimum order quantity.*
**Sub-plates must only be used for Data/AV. Do not mix with power devices.*
*See page P-18 for covers and accessories.*

### 50/50 Device Plate Combination



- Allows for up to eight Hubbell data jacks plus two 20A duplex receptacles
- Two plates which can be wired independently

### Left 50% Sub-Plates

| Description/Cat. No. | Sub-plate | Description/Cat. No. | Sub-plate |
|---|---|---|---|
| (3) Extron® AAP plate openings, left side only<br>**S1R6SPA** | | Blank cover plate, left side only<br>**S1R6SPB** | |
| (5) Extron® MAAP plate openings, left side only<br>**S1R6SPC** | | (4) 1 unit Hubbell iSTATION openings, left side only (See section Y for modules)<br>**S1R6SPD** | |
| (1) Style Line® decorator and (2) Hubbell keystone openings, left side only<br>**S1R6SPE*** | | (2) 1.5 unit Hubbell iSTATION openings, left side only (See section Y for modules)<br>**S1R6SPF** | |
| (3) Extron® MAAP openings and (2) Hubbell keystone jack openings, left side only<br>**S1R6SPL** | | (1) Style Line® decorator opening, left side only<br>**S1R6SPM** | |
| (1) Decorator opening and (2) Ortronics® TracJack® openings, left side only<br>**S1R6SPN** | | (2) Hubbell Jack openings and (4) Jack KOs with Label Field<br>**S1R6SP6DJ** | |

### Right 50% Sub-Plates

| | | | |
|---|---|---|---|
| (1) Duplex device opening, right side only<br>**S1R6SPI** | | (1) Style Line® Decorator device opening, right side only<br>**S1R6SPK** | |
| (1) 1.60" opening for 20A and 30A Twist-Lock®, right side only<br>**S1R6SPG** | | (1) 1.40" opening for simplex or 15A Twist-Lock®, right side only<br>**S1R6SPJ** | |
| (4) 20A pre-wired receptacles; one or two circuits, right side only (Supplied with isolated ground sticker)<br>**S1R6SPH** (16" leads)<br>**S1R6SPH25** (25 foot leads) | | (4) 20A pre-wired receptacles; 16" leads; one or two circuits, right side only; Marked with "⏻ Controlled"<br>**S1R6SPHC4** (4 Controlled)<br>**S1R6SPHC2** (2 Controlled) | |
| (3) 20A pre-wired tamper resistant receptacles; one circuit, right side only (Supplied with controlled and isolated ground stickers)<br>**S1R6SP3RTR** | | | |

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*TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.*

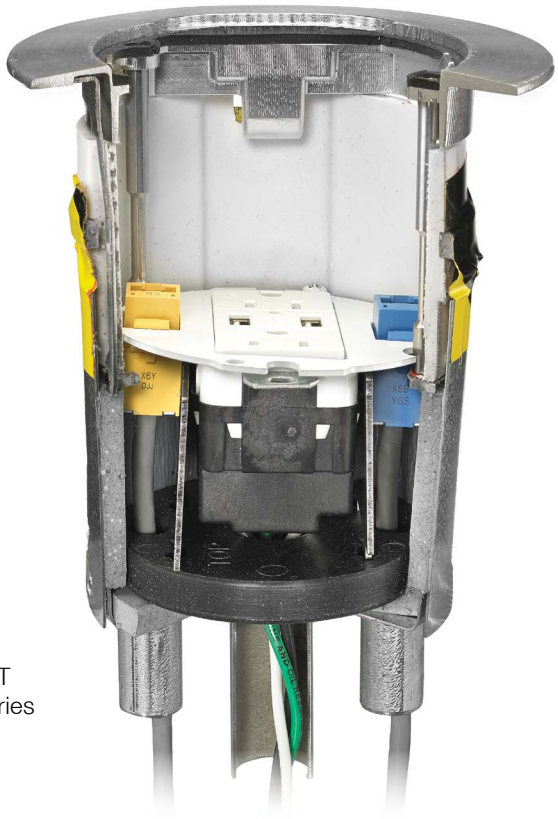
# Fire-Rated Poke-Throughs

ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne Recessed 4 Inch Fire-Rated Poke-Through Fittings

- Maintains concrete floor fire rating up to two hours
- Junction box standard, 27 cubic inches
- (1) ¾ inch conduit for power and (2) ½ inch conduits for low voltage
- For use in the City of Chicago applications, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube



4 Inch FRPT with Accessories



**FRPT Design**

- Step down installation
- Flexible single or dual service
- Recessed connections



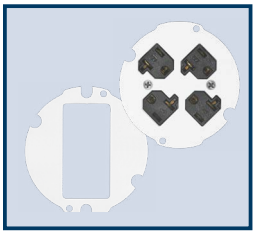
**Covers**

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



**Chamber**

- 3-inch deep user access chamber
- Deep wiring chamber for GFCI and USB devices
- Low voltage dividers
- Perimeter chamber: (2) ½ inch EMTs bottom feed
- Center chamber: (1) ¾ inch EMT bottom feed



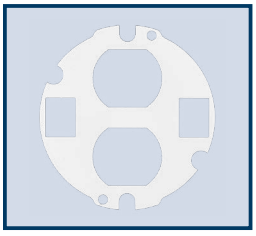
**Easy Mount Device Plates**

- Field configurable device plates
- Multiple, open architecture mounting plates for power, data and AV



**Safety**

- Low profile flange, 0.15 inch exceeds ADA requirements
- Hide-away egress door folds under cover while in use
- 180° opening of main door



**4 Inch Sub-Plate Features**

- Sub-plates accept Hubbell keystone jacks
- Third party sub-plates accept Ortronics® TracJack®

*TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.*

## SystemOne Recessed 4 Inch Core Hole Kits, for Use In Concrete Floors

**Pre-Wired, 4 Inch Quad Receptacle Kit, Recessed Connectivity, Fire-Rated Poke-Through for Power Only**

Kits include:

- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell pre-wired quad receptacle with mounting plate (S1R4SPQUAD)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R4PTQUADALU** |
| Black Powder Coat | **S1R4PTQUADBLK** |
| Brushed Brass Plated | **S1R4PTQUADBRS** |
| Antique Bronze Plated | **S1R4PTQUADBRZ** |
| Gray Powder Coat | **S1R4PTQUADGRY** |
| Satin Nickel Plated | **S1R4PTQUADNKL** |



**S1R4PTQUADALU**

**4 Inch Fire-Rated Poke-Through Kit, Recessed Connectivity**

Kits include:

- (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT)
- (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx)
- (1) Hubbell Junction box (S1FRPTJB)

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R4PTALU** |
| Black Powder Coat | **S1R4PTBLK** |
| Brushed Brass Plated | **S1R4PTBRS** |
| Antique Bronze Plated | **S1R4PTBRZ** |
| Gray Powder Coat | **S1R4PTGRY** |
| Satin Nickel Plated | **S1R4PTNKL** |



**S1R4PTBRS**

*Note: xx indicates finish options.*

## SystemOne Recessed 4 Inch FRPT and Covers, for Use In Concrete Floors

### 4 Inch Fire-Rated Poke-Throughs

| Description | Catalog Number |
|---|---|
| 4 Inch FRPT includes: Junction box and low voltage dividers. | **S1R4PTFIT** |
| 4 Inch FRPT includes: Low voltage dividers, junction box NOT included. | **S1R4PTFITCHI** |
| 4 Inch FRPT includes: Quad sub-plate and junction box. | **S1R4PTQUAD** |

*Note: See page P-22 for sub-plates and accessories.*
*See page P-39 for technical information.*



**S1R4PTFIT**
**S1R4PTFITQUAD**

### Recessed 4 Inch Covers

Single fold under cable egress door. Unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant.





**S1R4PTFITCHI**

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R4CVRALU** |
| Black Powder Coat | **S1R4CVRBLK** |
| Brushed Brass Plated | **S1R4CVRBRS** |
| Antique Bronze Plated | **S1R4CVRBRZ** |
| Gray Powder Coat | **S1R4CVRGRY** |
| Satin Nickel Plated | **S1R4CVRNKL** |

*Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.*

ScrubShield® Complies with UL514A

## SystemOne Recessed 4 Inch Sub-Plates and Accessories

The 4 Inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch exceeds ADA requirements and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant.



### Device Mounting Plates

| Description / Catalog Number | Sub-plate | Description / Catalog Number | Sub-plate | Description / Catalog Number | Sub-plate |
|---|---|---|---|---|---|
| 2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings<br>**S1R4SP2X2STYLE** | | (1) Style Line® decorator device opening for power or datacom applications<br>**S1R4SPSTYLE** | | 2X2 Sub-plate with (1) Style Line® decorator device opening and (2) Ortronics® TracJack® openings<br>**S1R4SP2X2STYLETJ** | |
| 2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings<br>**S1R4SP2X2DUPLEX** | | (1) Duplex device opening for power or datacom applications<br>**S1R4SPDUPLEX** | | 2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings<br>**S1R4SP2X2DUPLEXTJ** | |
| (4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads<br>**S1R4SPQUAD** | | (1) 1.60" opening for 20A or 30A Twist-Lock® receptacle<br>**S1R4SPTWIST** | | (1) 1.40" opening for simplex receptacle<br>**S1R4SPSIMPLEX** | |

*Note: See section Y for data jacks and frames.*



**HBL8300ILW**

*For low light applications (i.e. under tables or podiums) consider using Hubbell's LED illuminated receptacles: HBL8200ILW 15A, LED or HBL8300ILW 20A, LED.*



**S1R4PPT**



**S1R4FRPTADMTBK**



**S1R4DIV**

### 4 Inch Accessories

| Description | Catalog Number |
|---|---|
| Pre-pour tube, includes hardware. | **S1R4PPT*** |
| Abandonment plate, black finish. | **S1R4FRPTADMTBK** |
| Low voltage replacement divider. | **S1R4DIV** |

*Note: *Not UL Listed.*

### Design Solutions for:

Retail, Cafeterias, Commercial Office Space, Mass Transit Hubs, Education.



Tile



Carpet



Terrazzo

For Technical files, including BIM models, CAD files and Customer drawings, please visit www.hubbell-wiring.com under the Technical tab.

*TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.*

## Features and Benefits

### SystemOne Recessed 4 Inch Furniture Feed Fire-Rated Poke-Through Fittings

- Excellent solution for retrofit and new construction
- Maintains concrete floor fire rating up to four hours
- One ¾ inch conduit for power and one 1½ inch conduit for low voltage
- Junction box standard, 27 cubic inches
- For use in the City of Chicago, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube



4 Inch Furniture Feed FRPT with Accessories



### FRPT Design

- Step down installation
- Flexible single or dual service
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch



### Cover Construction

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes




### Chambers

- Fittings include removable metallic low voltage divider
- Cover hubs in-line with fitting EMT conduits for easy wiring
- (1) 1½ inch EMT conduit for low voltage
- (1) ¾ inch EMT conduit for power



### Furniture Feed Cover Design

- Seamless one piece design
- (1) 1½ inch EMT conduit for low voltage
- (1) ¾ inch EMT conduit for power
- 5½ inch diameter flange



### Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- UL514A scrubwater compliant



### Application Compatibility

- Hubbell PolyTuff® I conduits
- Hubbell SwivelLok® fittings
- Metallic/Non-metallic liquidtight fittings

## SystemOne Furniture Feed 4 Inch Core Kits, Covers and Accessories



S1R4PTFFALU



### SystemOne Furniture Feed 4 Inch Core Kits, Use In Concrete Floors

| FRPT, Furniture Feed Flush Connectivity | Cover Finish | Without Junction Box | With Junction Box |
|---|---|---|---|
| Kits Include:<br>(1) Hubbell SystemOne 4 Inch flush furniture feed fitting (S1R4PTAVFIT)<br>(1) Hubbell SystemOne 4 Inch flush furniture feed activation cover (S1R4FFCVRxx) | Brushed Aluminum | **S1R4PTFFALU** | **S1R4PTFFALUJ** |
| | Black Powder Coat | **S1R4PTFFBLK** | **S1R4PTFFBLKJ** |
| | Brushed Brass Plated | **S1R4PTFFBRS** | **S1R4PTFFBRSJ** |
| | Antique Bronze Plated | **S1R4PTFFBRZ** | **S1R4PTFFBRZJ** |
| | Gray Powder Coat | **S1R4PTFFGRY** | **S1R4PTFFGRYJ** |
| | Satin Nickel Plated | **S1R4PTFFNKL** | **S1R4PTFFNKLJ** |



S1R4PTFFBLKJ

### SystemOne Furniture Feed 4 Inch FRPT and Covers, Use In Concrete Floors

| 4 Inch Furniture Feed Fire-Rated Poke-Throughs | |
|---|---|
| Description | Catalog Number |
| 4 Inch FRPT Includes: low voltage divider, junction box NOT included | **S1R4PTAVFIT** |
| 4 Inch FRPT Includes: low voltage divider and junction box | **S1R4PTAVFITJ** |



S1R4PTAVFIT

### Flush 4 Inch Furniture Feed Covers

One piece cover solid cast aluminum construction with (1) 1½" hub for low voltage and (1) ¾" hub for power. All covers are UL514A, scrubwater compliant. Liquid-tight fittings not included.





S1R4PTAVFITJ

| Cover Finish | Catalog Number |
|---|---|
| Brushed Aluminum | **S1R4FFCVRALU** |
| Black Powder Coat | **S1R4FFCVRBLK** |
| Brushed Brass Plated | **S1R4FFCVRBRS** |
| Antique Bronze Plated | **S1R4FFCVRBRZ** |
| Gray Powder Coat | **S1R4FFCVRGRY** |
| Satin Nickel Plated | **S1R4FFCVRNKL** |

*Note; COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3" (76mm) dia. Mandrel at the center of cover without fittings installed. Rated for static loads only.*



S1R4PPT

### 4 Inch Furniture Feed Accessories

| Description | Catalog Number |
|---|---|
| Pre-pour tube, includes mounting hardware. | **S1R4PPT*** |
| Abandonment plate, black finish. | **S1R4FFADMTBK** |

*Note: *Not UL Listed.*



S1R4FFADMTBK

# Fire-Rated Poke-Throughs

## Products at a Glance

Featuring the innovative SystemOne product line, Hubbell's offering of Fire-Rated Poke-Throughs (FRPT) products provide installers with a broad range of options to support a wide array of connections. Hubbell SystemOne flush FRPTs install in a 4 inch core hole and provide users the flexibility to create personal solutions for their most demanding applications.

## Hubbell SystemOne Flush FRPTs for 4 Inch Concrete Core Hole Applications…



**Multi-Service Applications**

This Hubbell SystemOne sub-plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.



**Multimedia Applications**

Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio and video markets. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules.



**4X4 Applications**

Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and AV connectors.

## Traditional Hubbell FRPTs for 3 Inch and 2 Inch Concrete Core Hole Applications…



**Flush Applications**

Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 6 data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.



**Pedestal Applications**

Hubbell offers single and multi-service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2, 4 or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3 Inch core hole.



**Furniture Feed Applications**

Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

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ScrubShield® Complies with UL514A

## Features and Benefits

### SystemOne Flush 4 Inch Core Through Floor Fittings



- Step down installation clips allow the fitting to be installed or removed from the floor above
- Fire barrier expands during fire conditions to maintain the floor's fire rating
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2¼ to 7 inch
- Oversized EMT conduit tubes for increased cable capacity

**Features**

- Accepts all Hubbell SystemOne universal covers and flush sub-plates
- Excellent solution for retrofit and new construction
- Delivers power, voice, data and multimedia
- UL listed for use in 1 – 4 hour fire rated floors at 100% rated fill
- Available with integral power junction box
- SystemOne Fire-Rated Poke-Throughs are approved for use in the City of Chicago
- UL installation spacing - minimum 2 feet on center, not more than one per 65 square feet of floor area in each span

### Universal Flange and Cover Assembly

Carpet Tile



- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Throughs and Floor Boxes
- Finishes and colors available:



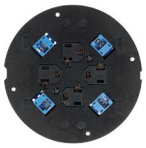
Aluminum Finish | Brass Finish | Black | Gray | Ivory

**Features**

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514A scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA requirements for accessible design

### Hubbell SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, additions and changes. See page P-27 for additional information.



4x4 Sub-Plate



Datacom and Power Sub-Plate



Extron® APP/MAPP and Power Sub-Plate



Dual Style Line® Decorator Sub-Plate



Twist-Lock® Sub-Plate



Furniture Feed Cover, Carpet

**Features**

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series AV system integration products
- Accommodates GFCI, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

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## SystemOne Flush Systems 4 Inch Core Hole One-Piece Units, for Use In Concrete Floors

### Hubbell SystemOne 4 Inch Core Hole, One-Piece Units

All Hubbell SystemOne 4 Inch core, one-piece units include the sub-plate and cover to simplify your order and reduce installation time. Units are also available with a power junction box installed. The junction box is also available for purchase separately.



| Description | Color | Catalog Number without Junction Box | Catalog Number with Junction Box* |
|---|---|---|---|
| **One-Piece 4X4 Poke-Through**<br>Assembled-unit includes:<br>• Hubbell SystemOne 4X4 floor fitting (S1PT4X4FIT)<br>• 4x4 sub-plate (S1SP4X4)<br>• Finish flange and universal carpet cover assembly (S1CFCxx)<br>• 4-hour fire classification<br>Keystone openings accept Hubbell modular jacks, X-END connectors and flush multimedia snap fit connectors. Receptacles feature single or two circuit wiring and isolated ground capability. | Aluminum Finish<br>Brass Finish<br>Black/Brass Finish<br>Black<br>Gray | **S1PT4X4AL**<br>**S1PT4X4BRS**<br>**S1PT4X4BRS3**<br>**S1PT4X4BL**<br>**S1PT4X4GY** | **S1PT4X4ALJ**<br>**S1PT4X4BRSJ**<br>**S1PT4X4BRS3J**<br>**S1PT4X4BLJ**<br>**S1PT4X4GYJ** |
| **One-Piece Dual Style Line® Decorator Poke-Through**<br>Assembled-unit includes:<br>• Hubbell SystemOne dual channel floor fitting (S1PTFIT)<br>• Dual Style Line® decorator opening sub-plate (S1SP)<br>• Finish flange and universal carpet cover assembly (S1CFCxx)<br>• 4-hour fire classification<br>Style Line® decorator openings accept two Style Line® decorators or one surge or GFCI receptacle and one Style Line® decorator receptacle. Outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Fitting is 4-hr rated at 100% fill to accommodate (12) Cat. 6A cables (0.330" diameter). | Aluminum Finish<br>Brass Finish<br>Black<br>Gray | **S1PTAL**<br>**S1PTBRS**<br>**S1PTBL**<br>**S1PTGY** | **S1PTALJ**<br>**S1PTBRSJ**<br>**S1PTBLJ**<br>**S1PTGYJ** |
| **One-Piece Modular AV Poke-Through**<br>Assembled-unit includes:<br>• Hubbell SystemOne AV floor fitting (S1PTAVFIT)<br>• 20A, 125V power and 3-unit Hubbell iSTATION sub-plate (S1SP3IM)<br>• Finish flange and universal carpet cover assembly (S1CFCxx)<br>• 4-hour fire classification<br>The Hubbell iSTATION's recessed opening can accommodate data/voice/audio and video solutions including15-pin VGA, RCA, S-Video, 3.5mm stereo, X-END, HDMI and XLR microphone jacks. | Aluminum Finish<br>Brass Finish<br>Black<br>Gray | **S1PT3IMAL**<br>**S1PT3IMBRS**<br>**S1PT3IMBL**<br>**S1PT3IMGY** | **S1PT3IMALJ**<br>**S1PT3IMBRSJ**<br>**S1PT3IMBLJ**<br>**S1PT3IMGYJ** |
| **One-Piece Furniture Feed Poke-Through**<br>Assembled-unit includes:<br>• Hubbell SystemOne AV floor fitting (S1PTAVFIT)<br>• Hubbell SystemOne furniture feed cover plate (S1SPFFxx)<br>• 4-hour fire classification<br>This solution provides one ¾ in. conduit for power and one 1½ in. conduit for low-voltage. Furnished with two screw-in flexible metal conduit connectors. | Aluminum Finish<br>Brass Finish<br>Black<br>Gray | **S1PTFFAL**<br>**S1PTFFBRS**<br>**S1PTFFBL**<br>**S1PTFFGY** | **S1PTFFALJ**<br>**S1PTFFBRSJ**<br>**S1PTFFBLJ**<br>**S1PTFFGYJ** |



**S1PT4X4BLJ**



**S1PTAL**



**S1PT3IMAL**



**S1PTFFGY**

*Note: *Junction box factory installed on through floor fitting. See pages P-40 and P-41 for technical information.*

ScrubShield® Complies with UL514A

## SystemOne Flush Systems 4 Inch Core Hole Three-Piece Units, for Use In Concrete Floors



S1PT4X4FITJ

### Hubbell SystemOne 4 Inch Core, Three-Piece Units



| Description | Catalog Number without Junction Box | Catalog Number with Junction Box* |
|---|---|---|
| **4X4 Through Floor Fitting**<br>Through floor fitting with two ¾ in. EMT for communications and one ¾ in. EMT for power. For use with Hubbell SystemOne universal covers and S1SP4X4 and S1SPTL series sub-plates only. Universal cover and sub-plate ordered separately. 4-hour fire classification. | **S1PT4X4FIT** | **S1PT4X4FITJ** |
| **Dual Channel Through Floor Fitting**<br>Through floor fitting with two 1 in. EMT conduit stems to feed power and/or communication services. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification. | **S1PTFIT** | **S1PTFITJ** |
| **AV Through Floor Fitting**<br>Through floor fitting with one ¾ in. EMT conduit stem for power and one 1½ in. EMT conduit stem for communication services. Ideal for demanding, high capacity AV and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell sub-plates except S1SP4X4 and S1SPTL series. Universal cover and sub-plate ordered separately. 4-hour fire classification. | **S1PTAVFIT** | **S1PTAVFITJ** |

*Note: *Junction box factory installed on through floor fitting. See pages P-40 and P-41 for technical information.*



S1PTFIT



S1PTAVFIT

### Hubbell SystemOne Universal Cover

- Cast aluminum construction
- Durable powder coat finish





| Finish/Color | Carpet | Tile |
|---|---|---|
| Aluminum Finish | **S1CFCAL** | **S1TFCAL** |
| Brass Finish | **S1CFCBRS** | **S1TFCBRS** |
| Black | **S1CFCBL** | **S1TFCBL** |
| Gray | **S1CFCGY** | **S1TFCGY** |
| Ivory | **S1CFCI** | **S1TFCI** |



Aluminum Finish | Brass Finish | Black | Gray | Ivory

### Poke Through Accessories

| Description | Color | Catalog Number |
|---|---|---|
| **Abandonment Plates**<br>Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes. | |  |
| | Black | **S1AP4BL** |
| | Gray | **S1AP4GY** |
| **Fire-Rated Closure Plug**<br>Used to seal a 4 Inch core hole when the FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1–4 hour fire rating. | |  |
| | Black | **S1FRP4BL** |
| | Gray | **S1FRP4GY** |
| **Power Junction Box**<br>For use with SystemOne Fire-Rated Poke-Throughs. Provides 27.0 cubic inches. (1) ¾ and (1) 1" EMT connector supplied.<br>Trade size knockouts: Top (1) 1 inch<br>Bottom (1) ¾ inch<br>Sides (2) ½ inch<br>(1) ¾ inch | |  |
| | | **S1FRPTJB** |
| **4 Inch Dia., Pre-Pour Tube**<br>Includes hardware. | |  |
| | | **S1R4PPT*** |

*Note: *Not UL Listed.*

## SystemOne Flush Sub-Plates

| Description | Catalog Number |
|---|---|
| **Style Line® Decorator/GFCI**<br>(2) Style Line® decorator openings for power and/or datacom applications. | **S1SP** |
| **Hubbell 4 X 4**<br>(4) 20A, 125V receptacles.<br>(4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. | **S1SP4X4** |
| Includes ⏻ stickers. | **S1SP4X4C** |
| Provided with 15 ft. wire leads | **S1SP4X415** |
| Provided with 30 ft. wire leads | **S1SP4X430** |
| **Single Receptacle + Data**<br>Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors. | **S1SPTL** |
| **Hubbell DataCom + Style Line® Decorator**<br>(1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. | **S1SPSL2IM** |
| **Extron® or FSR + Power**<br>(1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates. | **S1SPEXT1** |
| Marked with "⏻ Controlled" | **S1SPEXT1C** |
| **Extron® AAP + Power**<br>(1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates. | **S1SPEXT4** |
| Marked with "⏻ Controlled" | **S1SPEXT4C** |
| **Panduit Mini Com® 4 X 4**<br>(4) 20A, 125V receptacles.<br>(4) Openings for Panduit Mini-Com Connectivity. | **S1SP4X4PA** |
| Includes ⏻ stickers. | **S1SP4X4PAC** |

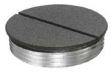
| Description | Catalog Number |
|---|---|
| **Duplex/Duplex**<br>(2) Duplex openings for power and/or datacom applications. | **S1SPDU** |
| **Carpet Furniture Feed Cover/Flange***<br>(1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange. | |
| Aluminum Fin. | **S1SPFFAL** |
| Brass Finish | **S1SPFFBRS** |
| Black | **S1SPFFBL** |
| Gray | **S1SPFFGY** |
| **Hubbell DataCom + Power**<br>(1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. | **S1SP3IM** |
| Marked with "⏻ Controlled" | **S1SP3IMC** |
| **Hubbell DataCom**<br>1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. | **S1SP4IM** |
| **Extron® or FSR + Power**<br>(1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. | **S1SPEXT2** |
| Marked with "⏻ Controlled" | **S1SPEXT2C** |
| **Ortronics Series II® + Power**<br>(1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules. | **S1SPORT** |
| Marked with "⏻ Controlled" | **S1SPORTC** |
| **SYSTIMAX® 4 X 4**<br>(4) 20A, 125V receptacles.<br>(4) Openings for SYSTIMAX® Connectivity. | **S1SP4X4SYS** |
| Includes ⏻ stickers. | **S1SP4X4SYSC** |

| Description | Catalog Number |
|---|---|
| **Duplex/Style Line® Decorator**<br>(1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications. | **S1SPDUSL** |
| **Tile Furniture Feed Cover/Flange***<br>(1) ¾" and (1) 1½" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange. | |
| Aluminum Fin. | **S1SPFFTAL** |
| Brass Finish | **S1SPFFTBRS** |
| Black | **S1SPFFTBL** |
| Gray | **S1SPFFTGY** |
| **Hubbell DataCom + Duplex**<br>(1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. | **S1SPDU2IM** |
| **Active Multimedia + Power**<br>Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames. | **S1SPAMM20** |
| Marked with "⏻ Controlled" | **S1SPAMM20C** |
| **Extron® or FSR Single-Service**<br>Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. | **S1SPEXT3** |
| **Ortronics TracJack® + Power**<br>(1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. | **S1SPTRAC** |
| Marked with "⏻ Controlled" | **S1SPTRACC** |
| **Siemon MAX® + Power**<br>(1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. | **S1SPMAX** |
| Marked with "⏻ Controlled" | **S1SPMAXC** |

*Note: *Furnished with two screw-in flexible metal conduit connectors. See Network Wiring section for complete offering of Hubbell jacks, frames and datacom accessories.*
*See page P-30 for FRPT Configuration Chart.*

## Sub-Plate Accessories

**Replacement Threaded Conduit Plugs**
Used with **S1SPFFx** and **S1SPFFTx** only.
Sub-plate is supplied with plugs.



| Color | 1½" Plug | ¾" Plug |
|---|---|---|
| Aluminum Finish | **S1FP15AL** | **S1FP34AL** |
| Brass Finish | **S1FP15BRS** | **S1FP34BRS** |
| Black | **S1FP15BL** | **S1FP34BL** |
| Gray | **S1FP15GY** | **S1FP34GY** |

| Description | Catalog Number | |
|---|---|---|
| Replacement for **S1SPMAX.** Sub-plate is supplied with data frame. Works with Siemon MAX®. | **S1DFMAX** |  |
| Replacement for **S1SPTRAC** sub-plate. Sub-plate is supplied with data frame. Works with Ortronics TracJack®. | **S1DFTRAC** |  |
| Blank Style Line® decorator frame, Black. | **NS620BK** |  |
| 2-Port Style Line® decorator frame, Black. | **ISF2BK** | |
| 4-Port Style Line® decorator frame, Black. | **ISF4BK** | |
| 6-Port Style Line® decorator frame, Black. | **ISF6BK** | |

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# Fire-Rated Poke-Throughs

ScrubShield® Complies with UL514A

| SystemOne Flush Configuration Chart | | | Floor Boxes* | | | | | | 4" Core Hole Fire-Rated Poke-Throughs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Non-Metallic | Metal | | | | | | | |
| Approved for use in the City of Chicago. (except S1PFB) | | |  |  |  |  |  |  |  |  |  |
| Sub-Plates | | | S1PFB | S1CFB | S1SFB | S1SFBCR | S1SFBAV | S1SFBAVCR | S1PTFIT | S1PT4X4FIT | S1PTAVFIT |
| **S1SP** | Style Line® Decorator/GFCI |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓+ | ✗ | ✓ |
| **S1SPDU** | Duplex/Duplex |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓+ | ✗ | ✓ |
| **S1SPDUSL** | Duplex/Style Line® Decorator |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓+ | ✗ | ✓ |
| **S1SP4X4**<br>**S1SP4X4PA**<br>**S1SP4X4SYS** | Hubbell 4 X 4<br>Panduit Mini-Com® 4 X 4<br>SYSTIMAX® 4 X 4 |  | 4 | 4 | 4 | 4 | 4 | 4 | ✗ | ✓+ | ✗ |
| **S1SP4X4C**<br>**S1SP4X4PAC**<br>**S1SP4X4SYSC** | Marked with "⏻ Controlled" | | | | | | | | | | |
| **S1SPTL** | Twist-Lock® Receptacle + Data |  | 4 | 4 | 4 | 4 | 4 | 4 | ✗ | ✓+ | ✗ |
| **S1SP3IM** | Hubbell DataCom + Power |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SP4IM** | Hubbell DataCom |  | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓ | ✗ | ✓+ |
| **S1SPDU2IM** | Hubbell DataCom + Duplex |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPSL2IM** | Hubbell DataCom + Style Line® Decorator |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPFFxx** (Carpet)<br>**S1SPFFTxx** (Tile) | Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray). |  | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | ✓ | ✗ | ✓+ |
| **S1SPEXT1**<br>**S1SPEXT1C** | Extron® or FSR + Power<br>Marked with "⏻ Controlled" |  | 4 | 4 | 4 | 4 | 4 | 4 | ✓ | ✗ | ✓+ |
| **S1SPEXT2**<br>**S1SPEXT2C** | Extron® or FSR + Power<br>Marked with "⏻ Controlled" |  | 4 | 4 | 4 | 4 | 4 | 4 | ✓ | ✗ | ✓+ |
| **S1SPEXT3** | Extron® or FSR Single-Service |  | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | ✓ | ✗ | ✓+ |
| **S1SPEXT4**<br>**S1SPEXT4C** | Extron® or FSR + Power<br>Marked with "⏻ Controlled" |  | 4 | 4 | 4 | 4 | 4 | 4 | ✓ | ✗ | ✓+ |
| **S1SPORT**<br>**S1SPORTC** | Ortronics Series II® + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPTRAC**<br>**S1SPTRACC** | Ortronics TracJack® + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPMAX**<br>**S1SPMAXC** | Siemon MAX® + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1SPAMM20**<br>**S1SPAMM20C** | Active Multimedia + Flush Keystone + Power<br>Marked with "⏻ Controlled" |  | 5 | 5 | 5 | 5 | 5 | 5 | ✓ | ✗ | ✓+ |
| **S1CFCxx** (Carpet)<br>**S1TFCxx** (Tile) | SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray). |  | | | | | | | | | |

Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.

✓+ Recommended Floor Fitting ✓ Alternative Floor Fitting ✗ Not Compatible

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## Traditional Flush 2X2 FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

### 2X2 Flush FRPT, One-Piece Units (PT2X2FIT)

| Description | Color | Catalog Number |
|---|---|---|
| 2X2 Poke-Through Non-metallic Cover | Black/Aluminum | **PT2X2ALU3** |
| | Black/Aluminum | **PT2X2IGALU3** |
| | Black | **PT2X2BL** |
| | Gray | **PT2X2GY** |
| | Black | **PT2X2IGBL*** |
| | Gray | **PT2X2IGGY*** |

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Painted or brushed aluminum flange
- Approved for use in the City of Chicago



| Description | Color/Material | Catalog Number |
|---|---|---|
| 2X2 Poke-Through | Black/Brass | **PT2X2BRS3** |
| | Brass Finish/Brass | **PT2X2BRS** |
| | Black/Brass | **PT2X2IGBRS3*** |
| | Brass Finish/Brass | **PT2X2IGBRS*** |

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Solid brass flange
- Approved for use in the City of Chicago



*Note: *Includes pre-wired 20A isolated ground Style Line® decorator duplex receptacle.*

### 2X2 Flush FRPT, Two-Piece Units

| Description | Catalog Number |
|---|---|
| Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem with junction box for power and (2) ½ in. EMT stems for low voltage. | **PT2X2FIT** |



Specifications:

- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area
- Approved for use in the City of Chicago

### Service Fittings

| Description | Color | Catalog Number |
|---|---|---|
| 2X2 Service Fitting Non-metallic Cover/ Aluminum Flange | Black/Aluminum | **PT2X2SFALU3** |
| | Black | **PT2X2SFBL** |
| | Gray | **PT2X2SFGY** |

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Painted or brushed aluminum flange



| Description | Color/Material | Catalog Number |
|---|---|---|
| 2X2 Service Fitting Non-metallic Cover/ Brass Flange | Black/Brass | **PT2X2SFBRS3** |
| | Brass Finish/Brass | **PT2X2SFBRS** |

- Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks
- Solid brass flange



### Accessories

| Description | Color/Material | Catalog Number |
|---|---|---|
| Non-metallic Replacement Covers | Brass Finish | **PT2X2CBRS** |
| | Black | **PT2X2CBL** |
| | Gray | **PT2X2CGY** |



| Description | Color/Material | Catalog Number |
|---|---|---|
| **Closure Plug** Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed. Maintains the floor's 1 – 4 hour fire rating. UL Listed and CSA Certified. | Gray | **FRP250** |



*Note: See page P-43 for technical information.*

ScrubShield® Complies with UL514A

## Traditional Flush Duplex FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

### Flush Duplex FRPT, One-Piece Units

| Description | Color | Catalog Number |
|---|---|---|
| Flush Poke-Through | Black | **PT7FSDBLA** |
| | Brown | **PT7FSDBRA** |
| | Gray | **PT7FSDGYA** |
| | Ivory | **PT7FSDIA** |
| | Gray | **PT7IGFSDGYA*** |
| | Ivory | **PT7IGFSDIA*** |

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange



| Description | Color/Material | Catalog Number |
|---|---|---|
| Flush Brass Poke-Through | All Brass | **PT7FSDBRS2A** |
| | Black/Brass | **PT7FSDBRS3A** |
| | All Brass | **PT7IGFSDBRSA*** |

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- All brass or black non-metallic cover option
- Flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange



*Note: *Includes pre-wired 20A isolated ground duplex receptacle.*

### Flush FRPT, Two-Piece Units

| Description | Catalog Number |
|---|---|
| Multi-Channel Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage feed-through holes. | **PT7FSD** (with Junction Box)<br>**PT73SD** (without Junction Box) |



Specifications:
- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)
- For 2¼ in. to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area

### Service Fittings

| Description | Color | Catalog Number |
|---|---|---|
| Flush Aluminum Service Fitting | Black | **FRFBLA** |
| | Brown | **FRFBRA** |
| | Gray | **FRFGYA** |
| | Ivory | **FRFIA** |

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Non-metallic flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Painted aluminum flange



| Description | Color/Material | Catalog Number |
|---|---|---|
| Flush Brass Service Fitting | Solid Brass | **FRFBRS2A** |

Complete assembled unit includes:
- Pre-wired 20A duplex receptacle
- Solid brass flip lid cover with (2) ½ in. diameter low voltage feed-through holes
- Solid brass flange



### Accessories

| Description | Color | Catalog Number |
|---|---|---|
| Non-metallic Replacement Covers | Black | **PFBRCBLA** |
| | Brown | **PFBRCBRA** |
| | Gray | **PFBRCGYA** |
| | Ivory | **PFBRCIA** |



| Description | Color/Material | Catalog Number |
|---|---|---|
| All Brass Replacement Covers | Solid Brass | **BRS2RCA** |



*Note: See page P-35 for 3 Inch FRPT accessories.*
*See page P-43 for technical information.*

## Traditional Flush Furniture Feed FRPT 3 Inch Core Hole Units, for Use In Concrete Floors

### Large Capacity, Single-Service Flush Furniture Feed FRPT, Two-Piece Units

| Description | Catalog Number |
|---|---|
| Large Capacity, Single-Service Through Floor Fitting with (1) 2 in. EMT stem. Will accommodate up to 36 Category 6 cables. | **PT2FIT** |

Specifications:

- 1- to 2-hour fire rating
- Single-Service, Power or Data
- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area
- Approved for use in the City of Chicago



| Description | Color/Material | Catalog Number |
|---|---|---|
| Large Capacity Cover/Flange | Brass Finish | **FF2BRS** |
| | Black | **FF2BK** |
| | Gray | **FF2GY** |

Specifications:

- Cover/flange with 1¼ in. and 2 in. trade size combination knockout
- Painted aluminum cover and flange
- Approved for use in the City of Chicago



*Note: See page P-44 for technical information.*

### Flush Furniture Feed FRPT, One-Piece Units

| Description | Color | Catalog Number |
|---|---|---|
| 3-Service Furniture Feed Poke-Through | Black | **PT73FFSDBK** |
| | Gray | **PT73FFSDGY** |
| | Ivory | **PT73FFSDI** |

Complete assembled unit includes:

- PT73SD floor fitting
- Aluminum cover with (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange



| Description | Color | Catalog Number |
|---|---|---|
| Single-Service Furniture Feed Poke-Through | Black | — |
| | Gray | **PT7FFSDGY** |
| | Ivory | **PT7FFSDI** |

Complete assembled unit includes:

- PT71SD floor fitting
- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange



*Note: See page P-44 for technical information.*

### Flush Furniture Feed FRPT, Two-Piece Units

| Description | Catalog Number |
|---|---|
| 3-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power and (2) ½ in. low voltage conduit holes. | **PT73SD** |

Specifications:

- 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)



| Description | Catalog Number |
|---|---|
| Single-Service Furniture Feed Through-Floor Fitting with (1) ¾ in. EMT stem for power or low voltage applications. | **PT71SD** |

Specifications:

- For 2¼ to 7 in. floor thickness
- UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area



### Service Fittings

| Description | Color | Catalog Number |
|---|---|---|
| 3-Service Furniture Feed Service Fitting | Black | **FRF3BK** |
| | Gray | **FRF3GY** |
| | Ivory | **FRF3I** |

Complete assembled unit includes:

- Aluminum cover with (2) ½ in threaded hubs for low voltage and (1) ¾ in. threaded hub for power
- Painted aluminum flange



| Description | Color | Catalog Number |
|---|---|---|
| Single-Service Furniture Feed Service Fitting | Brass Finish | **FRF1BRS** |
| | Black | **FRF1BK** |
| | Gray | **FRF1GY** |

Complete assembled unit includes:

- Aluminum cover with (1) KO to accept a ¾ in. connector
- Painted aluminum flange



*Note: See page P-35 for 3 Inch FRPT accessories.*
*See page P-44 for technical information.*

## Painted Pedestal FRPT 2 and 3 Inch Core Hole Units, for Use In Concrete Floors

### 3 Inch Core Hole, Two-Piece Unit

| Description | Catalog Number |
|---|---|
| Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.<br>Specifications:<br>• 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)<br>• For 2¼ in. to 7 in. floor thickness<br>• Approved for use in the City of Chicago | **PT7XC** |



### 2 Inch Core Hole, Two-Piece Unit

| Description | Catalog Number |
|---|---|
| Multi-Service Pedestal Through-Floor Fitting with (1) ¾ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.<br>Specifications:<br>• 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)<br>• For 2¼ in. to 7 in. floor thickness<br>• Approved for use in the City of Chicago | **PT27A** |



*Note: See page P-45 for technical information.*

### Pedestal Service Fittings (Order 1 plate per gang)

| Description | Color/Material | Catalog Number |
|---|---|---|
| 2-Gang | Alum. Finish<br>Black<br>Gray | **FR280ALA**<br>**FR280BKA**<br>**FR280GYA** |

Use with PT27A only.



**FR280BKA**

| Description | Color | Catalog Number |
|---|---|---|
| 4-Gang | Black<br>Gray | **FR480BKA**<br>**FR480GYA** |

Use with PT27A or PT7XC.



**FR480GYA**

| Description | Color | Catalog Number |
|---|---|---|
| 6-Gang | Black<br>Gray | **FR680BKA**<br>**FR680GYA** |

Use with PT27A or PT7XC.

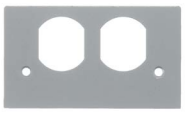
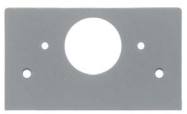


**FR680BKA**

- Painted aluminum housing with low voltage barrier(s); plates and devices sold separately
- For additional barriers, use **FRBR1**, see page P-33.
- UL Listed and CSA Certified

*Note: See page P-45 for technical information.*

### Pedestal Face Plates (Order 1 plate per gang)

| Description | Color/Material | Catalog Number | |
|---|---|---|---|
| Duplex | Black<br>Gray | **SS2309DBKA**<br>**SS2309DGYA** |  |
| Style Line®/ GFCI | Black<br>Gray | **SS2309SLBKA**<br>**SS2309SLGYA** |  |
| Single receptacle (1.39 in. OD) | Black<br>Gray | **SS2309SBKA**<br>**SS2309SGYA** |  |
| Blank | Alum. Finish<br>Black<br>Gray | **SS2309BALA**<br>**SS2309BBKA**<br>**SS2309BGYA** |  |

| Description | Color/Material | Catalog Number | |
|---|---|---|---|
| Furniture feed (¾ in. KO) | Alum. Finish<br>Black<br>Gray | **SS2309FALA**<br>**SS2309FBKA**<br>**SS2309FGYA** |  |
| Furniture feed (1 in. KO) | Black<br>Gray | **SS2309F1BKA**<br>**SS2309F1GYA** |  |
| Bushed data opening (1 in. ID) | Black<br>Gray | **SS2309TBKA**<br>**SS2309TGYA** |  |

- Painted aluminum plates
- UL Listed and CSA Certified

## Brushed Aluminum Pedestal FRPT 3 Inch Core Hole Two-Piece Units, for Use In Concrete Floors

### Through-Floor Fitting

| Description | Catalog Number |
|---|---|
| Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1¼ in. EMT stem for low voltage and (1) ½ in. EMT stem for power applications.<br>Specifications:<br>• 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design).<br>• For 2¼ in. to 7 in. floor thickness.<br>• Approved for use in the City of Chicago. | **PT7XC** |



### Pedestal Service Fitting

| Description | Color/Material | Catalog Number |
|---|---|---|
| 2-Gang Pedestal Service Fitting For use with PT7XC only.<br>Specifications:<br>• Brushed aluminum housing with low voltage barrier. Plates and devices sold separately. | Brushed Aluminum | **FR80AL** |



*Note: See pages P-45 and P-46 for technical information.*

### Plates

| Description | Catalog Number | |
|---|---|---|
| Duplex | **SS309D** |  |
| Style Line®/GFCI | **SS309DS** |  |
| Single receptacle (1.39 in. OD) | **SS309S** |  |
| Blank | **SS309B** |  |

| Description | Catalog Number | |
|---|---|---|
| Furniture feed (¾ in. KO) | **SS309SF*** |  |
| Furniture feed, blank | **SS309BF*** |  |
| Bushed data opening (1 in. ID) | **SS309T** |  |
| • 302/304 stainless steel plates (SS309SF and SS309BF are aluminum).<br>• UL Listed and CSA Certified. | | |

*Note: *For furniture feed applications using **SS309SF**, a blank **SS309BF** must be used for second plate.*

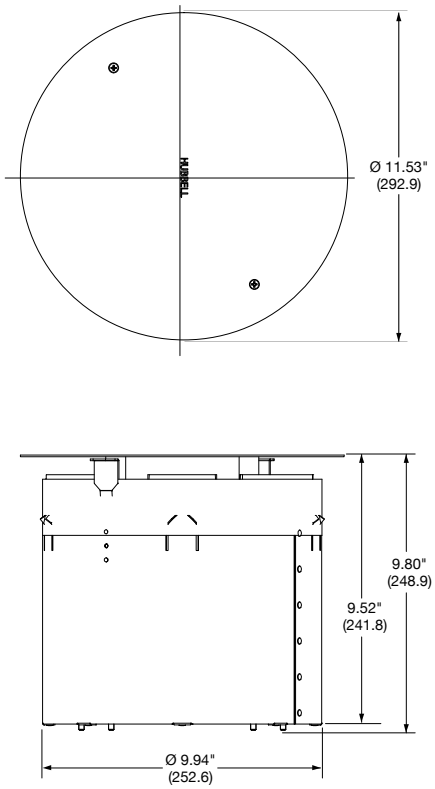
### 3 Inch Core Hole FRPT Accessories

| Description | Color | Catalog Number | |
|---|---|---|---|
| **Flush FRPT Abandonment Plate** Use with PT7FSD, PT73SD or PT71SD only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains. | Gray<br>Ivory | **AP2GY**<br>**AP2I** |  |
| **Multi-Service Furniture Feed Replacement Inserts** Use as a replacement cover for PT73FFSD series, or to convert installed PT7FSD series into furniture feed FRPTs. Includes (2) ½ in. threaded hubs for low voltage and (1) ¾ in. threaded hub for power. (UL Listed only.) | Gray<br>Ivory | **FF3GY**<br>**FF3I** |  |
| **Replacement Low Voltage Barrier** Use with FR280, FR480, and FR680 pedestal service fittings only when additional power/low voltage separation is required. | | **FRBR1** |  |

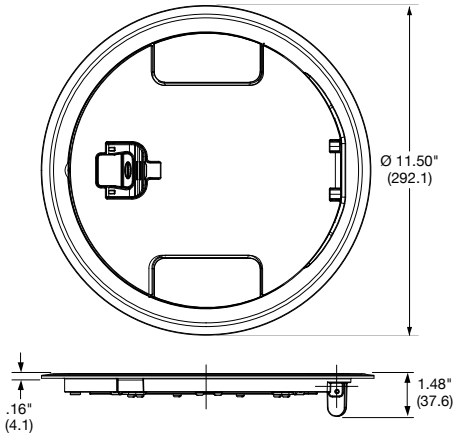
| Description | Color/Gang | Catalog Number | |
|---|---|---|---|
| **PT7XC Extension Kit** Extends PT7XC FRPT to accommodate between 7 in. and 13 in. floor thickness. | — | **EXT13** |  |
| **Pedestal FRPT Abandonment Plate** Use with PT27A or PT7XC only. Covers the opening when FRPT is abandoned. Service fitting is removed and through-floor fitting remains. | Gray/ 2-gang<br>Gray/ 4-gang | **AP22**<br>**AP42** | <br> |

## Hubbell SystemOne Recessed 10 Inch Series

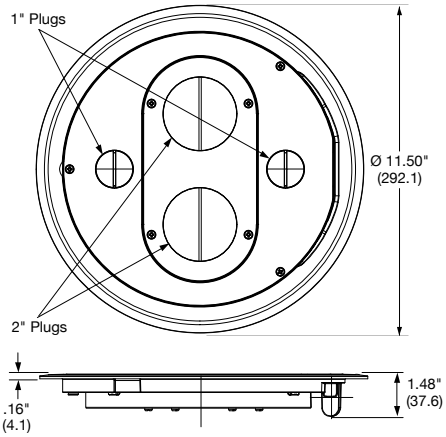
*S1R10PTFIT Series*

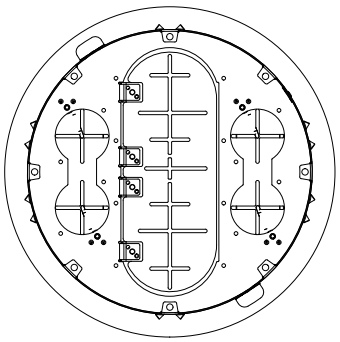



*S1R10CVR Recessed Cover Series*




*S1R10CVRFF Cover Series*



*Fitting Bottom View*

## Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black and gray powder coat.
- S1R10PSPZ series sub-plates supplied with pre-wired dual 20A receptacles. Wired with three #12 AWG solid conductors.
- Receptacles can be wired as dual circuit and isolated ground.
- S1R10FFCVR series furnished with one (2) 1 in. to ¾ in. threaded reducer
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm²) |
| #23 | .00040 sq. in. (.258mm²) |
| #22 | .00050 sq. in. (.322mm²) |
| #14 | .00323 sq. in. (2.083mm²) |
| #12 | .00512 sq. in. (3.303mm²) |
| #10 | .00815 sq. in. (5.258mm²) |
| # 8 | .01296 sq. in. (8.361mm²) |

## Application Data

- Mounted in 10 in. (254.0) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

## UL Listed Wiring Capacity

| | S1R10PT Recessed Series | | S1R10PT FF Series | |
|---|---|---|---|---|
| Fire Resistance Rating | 2-Hrs. (D900) | | 2-Hrs. (D900) | |
| Max. Copper Cross Section | Center Chamber .0978 sq. in. | Perimeter Chambers (each) .0408 sq. in. | Each 1 in. Power Hub .1304 sq. in. | Each 2 in. Low Voltage Hub .0962 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

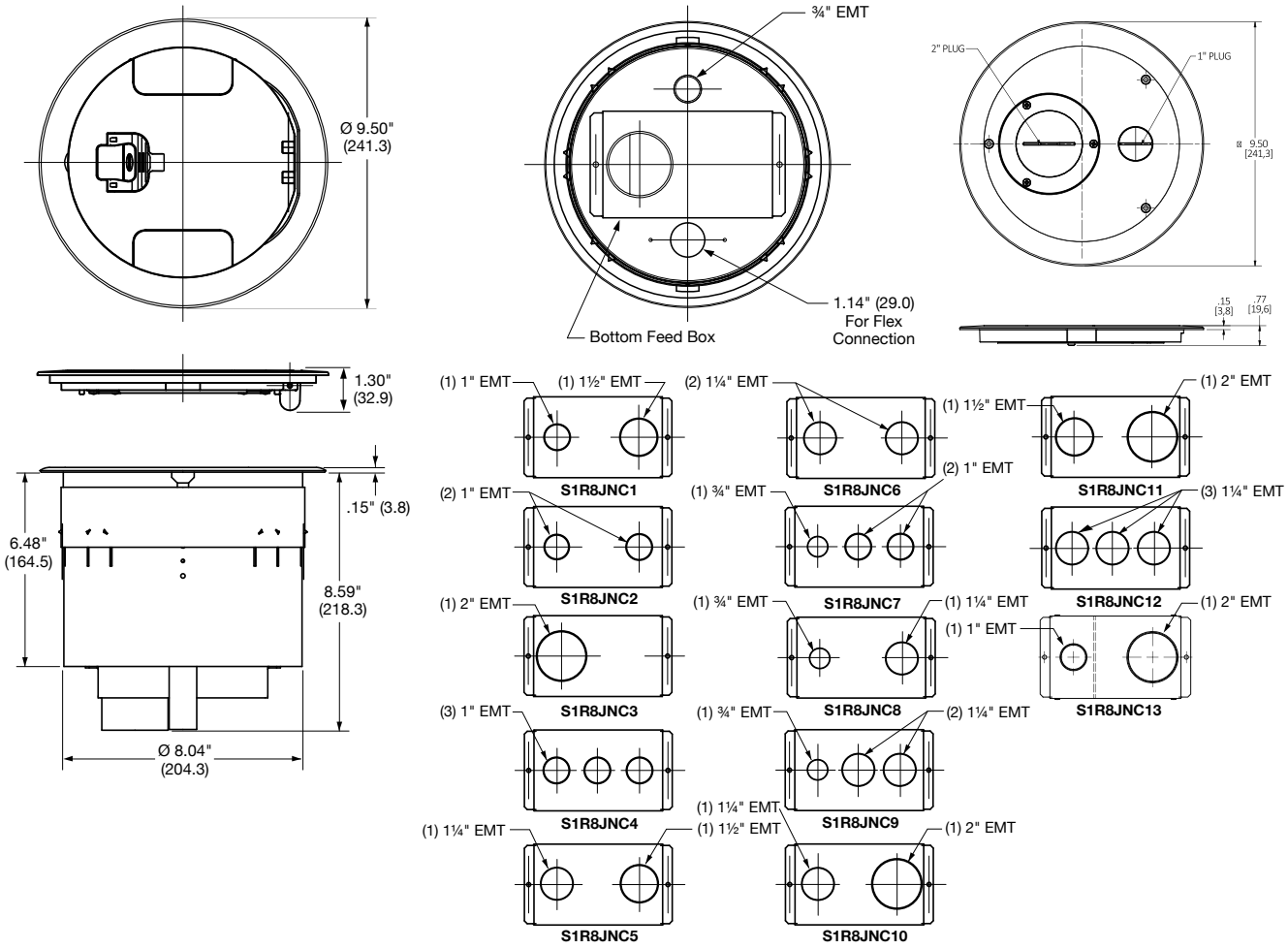
*Note: The above product data pertains to both kitted units and through-floor fittings.*
*When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

*Dimensions in Inches (mm)*

ScrubShield® Complies with UL514A

## Hubbell SystemOne Recessed 8 Inch Series

*S1R8PT Series*




## Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R8PSPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

## Application Data

- Mounted in 8 in. (203.2) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm²) |
| #23 | .00040 sq. in. (.258mm²) |
| #22 | .00050 sq. in. (.322mm²) |
| #14 | .00323 sq. in. (2.083mm²) |
| #12 | .00512 sq. in. (3.303mm²) |
| #10 | .00815 sq. in. (5.258mm²) |
| # 8 | .01296 sq. in. (8.361mm²) |

## UL Listed Wiring Capacity

| | S1R8PT Series | | S1R8PT FF Series | |
|---|---|---|---|---|
| Fire Resistance Rating | 2-Hrs. (D900) | | 2-Hrs. (D900) | |
| Max. Copper Cross Section | Perimeter Chambers (each) .0154 sq. in. | Center Chamber .0633 sq. in. | 1 in. Power Hub .1304 sq. in. | 2 in. Low Voltage Hub .0962 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

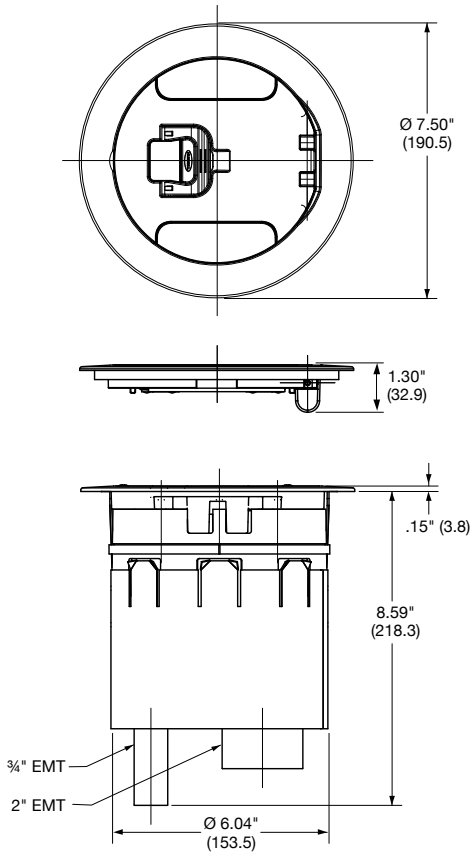
For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

*Note: The above product data pertains to both kitted units and through-floor fittings.*
*When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

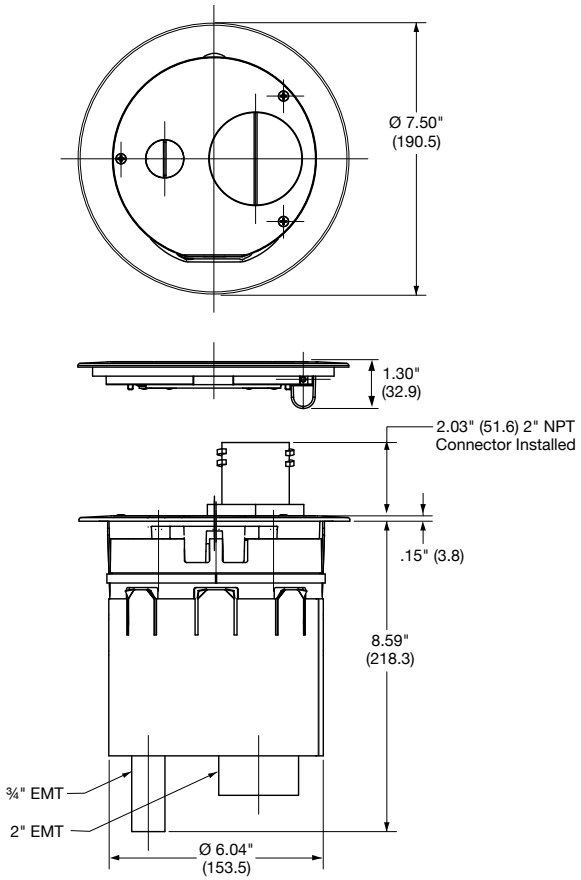
*Dimensions in Inches (mm)*

## Hubbell SystemOne Recessed 6 Inch Series

*S1R6PT Series*




*S1R6PTFF Series*




## Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum or black powder coat.
- S1R6SPZ sub-plate supplied with pre-wired dual 20A receptacle. Wired with three #12 AWG solid conductors.
- S1R6SPH sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as dual circuit and isolated ground.
- S1R6FFCVR series furnished with one (1) ¾ in. and one (1) 2 in. screw-in flexible metal conduit connectors.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm²) |
| #23 | .00040 sq. in. (.258mm²) |
| #22 | .00050 sq. in. (.322mm²) |
| #14 | .00323 sq. in. (2.083mm²) |
| #12 | .00512 sq. in. (3.303mm²) |
| #10 | .00815 sq. in. (5.258mm²) |
| # 8 | .01296 sq. in. (8.361mm²) |

## Application Data

- Mounted in 6 in. (152.4) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

## UL Listed Wiring Capacity

| | S1R6PT Series | | S1R6PTFF Series | |
|---|---|---|---|---|
| Fire Resistance Rating | 2-Hrs. (D900) | | 2-Hrs. (D900) | |
| Max. Copper Cross Section | ¾ in. Power EMT<br>.0307 sq. in. | 2 in. Low Voltage EMT<br>.0348 sq. in. | ¾ in. Power EMT<br>.0815 sq. in. | 2 in. Low Voltage EMT<br>.0962 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

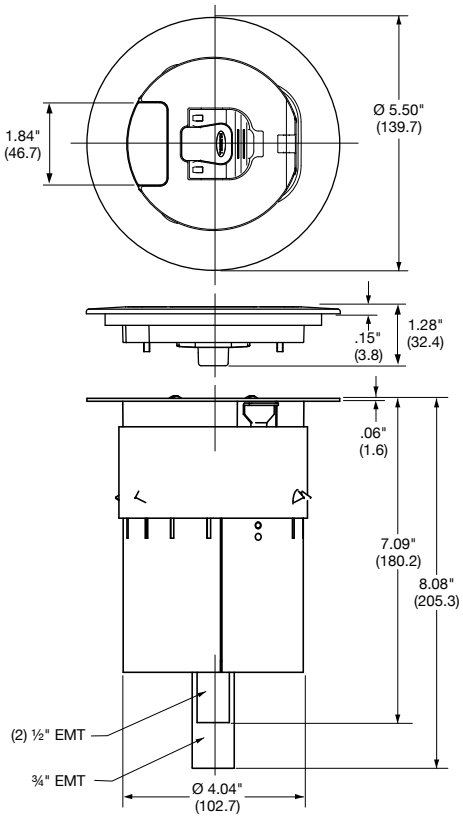
For use in 1, 1½ or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

*Note: The above product data pertains to both kitted units and through-floor fittings.*
*When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

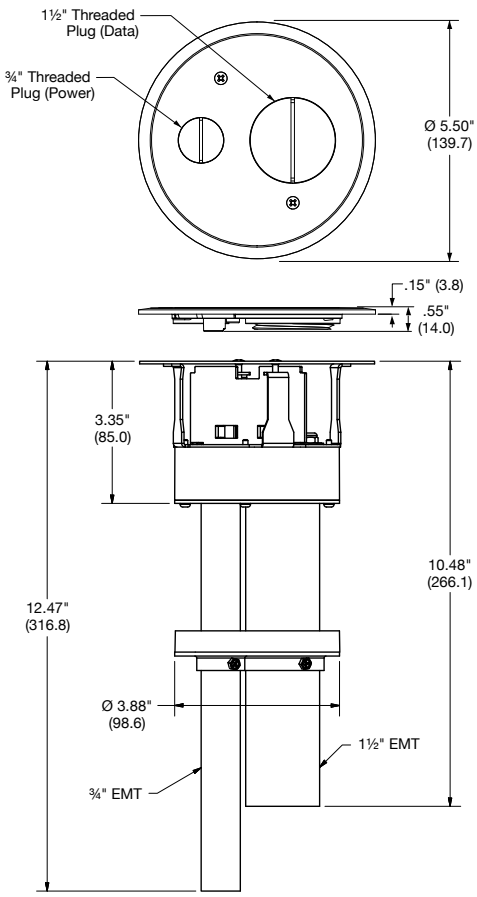
*Dimensions in Inches (mm)*

## Hubbell SystemOne Recessed 4 Inch Series

*S1R4PT Series*




*S1R4PT Series*




## Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes. Additionally available in brushed aluminum, black or gray powder coat.
- S1R4SPQUAD sub-plate supplied with pre-wired quad 20A receptacle. Wired with six #12 AWG solid conductors. Receptacle can be wired as dual circuit and isolated ground.
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements.
- COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover. **Rated for static loads only.**

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm²) |
| #23 | .00040 sq. in. (.258mm²) |
| #22 | .00050 sq. in. (.322mm²) |
| #14 | .00323 sq. in. (2.083mm²) |
| #12 | .00512 sq. in. (3.303mm²) |
| #10 | .00815 sq. in. (5.258mm²) |
| # 8 | .01296 sq. in. (8.361mm²) |

## Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- S1R4PT Series UL Listed for fire resistance in 1-2 hour rated D900 series floors.
- S1R4PTFF & S1R4PTAV Series UL Listed for fire resistance in 1-4 hour rated D900 series floors.
- Approved for use in the City of Chicago without junction box.
- Not intended to be used in high traffic installations and not intended to support furniture.

## UL Listed Wiring Capacity

| | S1R4PT Series | | S1R4PTFF & S1R4PTAV Series | |
|---|---|---|---|---|
| Fire Resistance Rating | 2-Hrs. (D900) | | 4-Hrs. (D900) | |
| Max. Copper Cross Section | ¾ in. Power EMT .0408 sq. in. | ½ in. Low Voltage EMT .008 sq. in. | ¾ in. Power EMT .072 sq. in. | 1½ in. Low Voltage EMT .100 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

S1R4PT Series use in 1, 1½ or 2 hour rated unprotected reinforced floors or 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). Also as applies to S1R4PTFF & S1R4PTAV Series except for 1-4 hours. UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

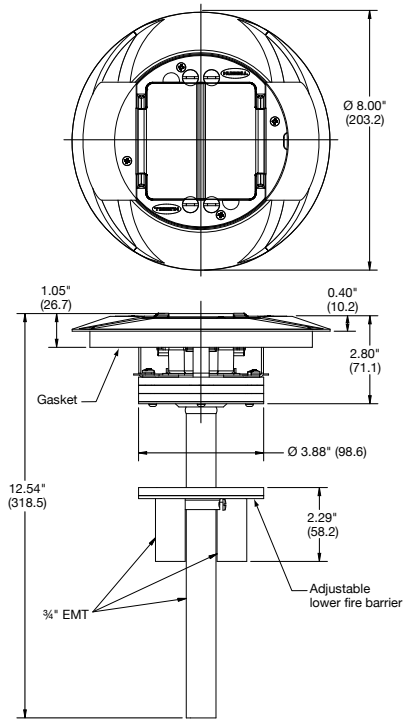
*Note: The above product data pertains to both kitted units and through-floor fittings.*
*When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

*Dimensions in Inches (mm)*

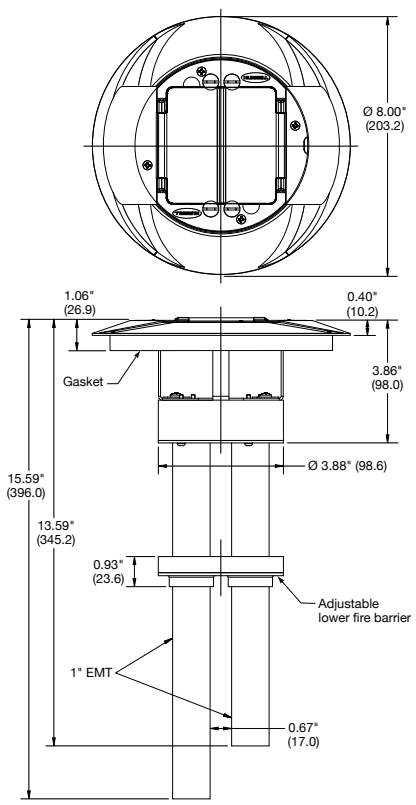
ScrubShield® Complies with UL514A

## Hubbell SystemOne Flush 4 Inch Series

*S1PT4X4 Series*




*S1PT Series*




## Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SP4X4 sub-plate supplied with pre-wired, molded, four position 20A, 125V, black receptacle, NEMA 5-20R.
- S1SP4X4 wired with six thermally protected #14 AWG THHN stranded copper conductors, receptacle can be wired as dual-circuit and isolated ground.
- S1SP4X4 accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6A, 6, 5e, and USOC, and flush series jacks.
- S1SP sub-plate accepts two (2) 15A or 20A Style Line® decorator receptacles, Style Line® data frames, and/or one (1) GFCI or surge receptacle.

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm$^2$) |
| #23 | .00040 sq. in. (.258mm$^2$) |
| #22 | .00050 sq. in. (.322mm$^2$) |
| #14 | .00323 sq. in. (2.083mm$^2$) |
| #12 | .00512 sq. in. (3.303mm$^2$) |
| #10 | .00815 sq. in. (5.258mm$^2$) |
| # 8 | .01296 sq. in. (8.361mm$^2$) |

## Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

## UL Listed Wiring Capacity

| | S1PT4X4 Series | S1PT Series |
|---|---|---|
| Fire Resistance Rating | 4-Hrs. (D900) | 4-Hrs. (D900) |
| Max. Copper Cross Section | ¾ in. Power EMT<br>.0307 sq. in. | 1 in. Power EMT<br>.0307 sq. in. |
| | ¾ in. Low Voltage EMT<br>.016 sq. in. | 1 in. Low Voltage EMT<br>.024 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

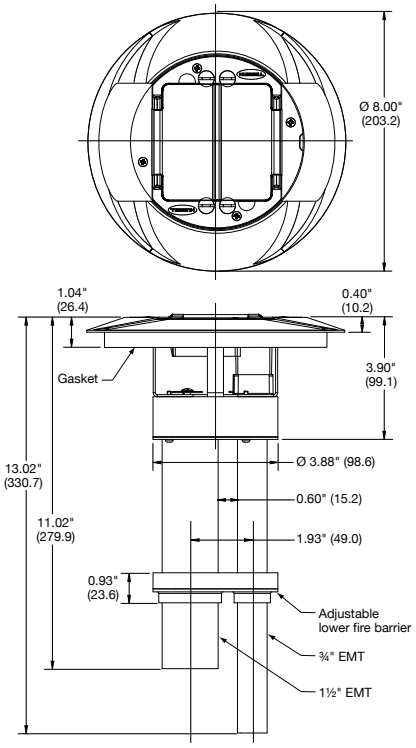
For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

*Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

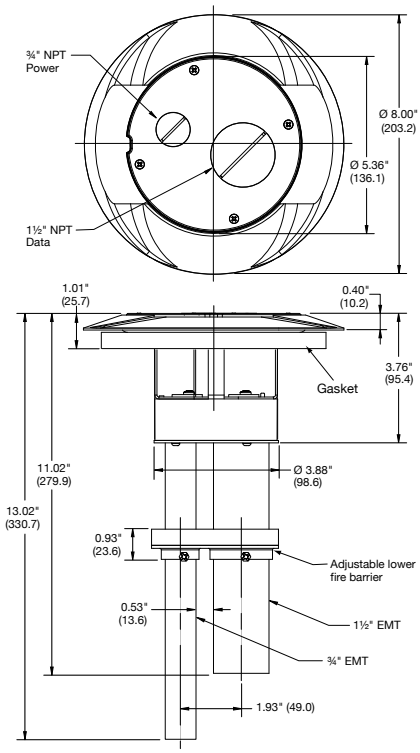
*Dimensions in Inches (mm)*

## Hubbell SystemOne Flush 4 Inch Series

*S1PTAVFIT and S1PT3IM Series*




*S1PTFF Series*




## Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1PTFF series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1PTFF series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- S1PT3IM series sub-plate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R.
- S1PT3IM wired with three #12 AWG THHN stranded copper conductors.
- S1PT3IM sub-plate also accepts three unit recessed Hubbell iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks.
- Meets UL 514A scrubwater exclusion requirements.

## Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole.
- Minimum floor thickness: 2¼ in. (57.2).
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors.
- Approved for use in the City of Chicago.
- Not intended to be used in high traffic installations and not intended to support furniture.

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm$^2$) |
| #23 | .00040 sq. in. (.258mm$^2$) |
| #22 | .00050 sq. in. (.322mm$^2$) |
| #14 | .00323 sq. in. (2.083mm$^2$) |
| #12 | .00512 sq. in. (3.303mm$^2$) |
| #10 | .00815 sq. in. (5.258mm$^2$) |
| # 8 | .01296 sq. in. (8.361mm$^2$) |

## UL Listed Wiring Capacity

| | S1PTAVFIT and S1PT3IM Series | S1PTFF Series | |
|---|---|---|---|
| Fire Resistance Rating | 4-Hrs. (D900) | 4-Hrs. (D900) | |
| Max. Copper Cross Section | ¾ in. Power EMT<br>.0307 sq. in. | ¾ in. Power EMT<br>.072 sq. in. | 1½ in. Low Voltage EMT<br>.100 sq. in. |
| | 1½ in. Low Voltage EMT<br>.048 sq. in. | | |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

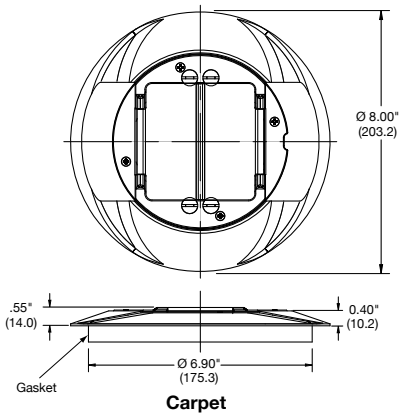
For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1½, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

*Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting0 conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

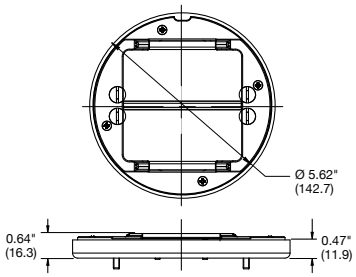
*Dimensions in Inches (mm)*

## Hubbell SystemOne Flush 4 Inch Series

*S1CFC and S1TFC Series*

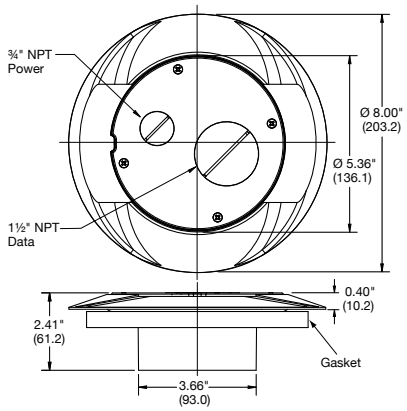



**Carpet**

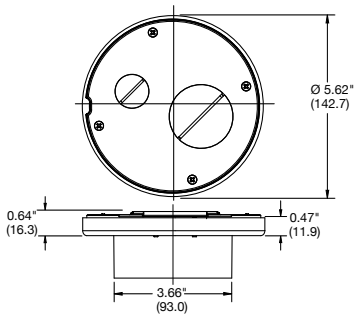



**Tile**

*S1SPFF and S1SPFFT Series*




**Carpet**




**Tile**

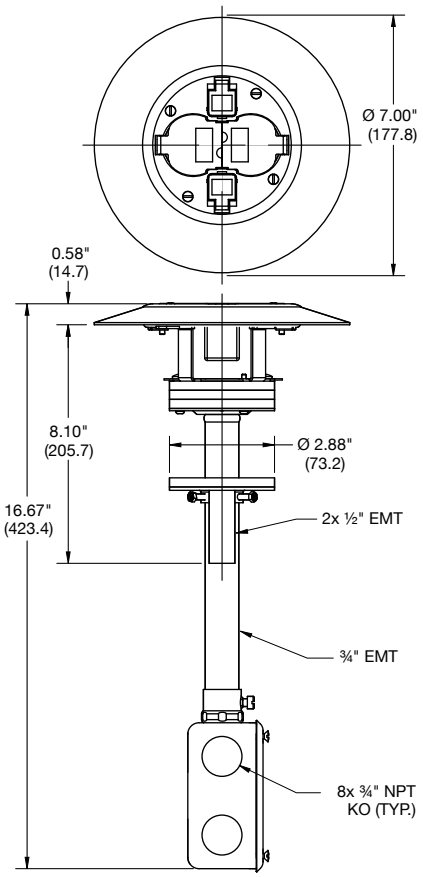
## Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory).
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level."
- S1SPFF and S1SPFFT series aluminum conduit insert cover with one (1) ¾ in. and one (1) 1½ in. die-cast threaded plugs.
- S1SPFF and S1SPFFT series furnished with one (1) ¾ in. and one (1) 1½ in. screw-in flexible metal conduit connectors.
- Meets UL 514A scrubwater exclusion requirements.

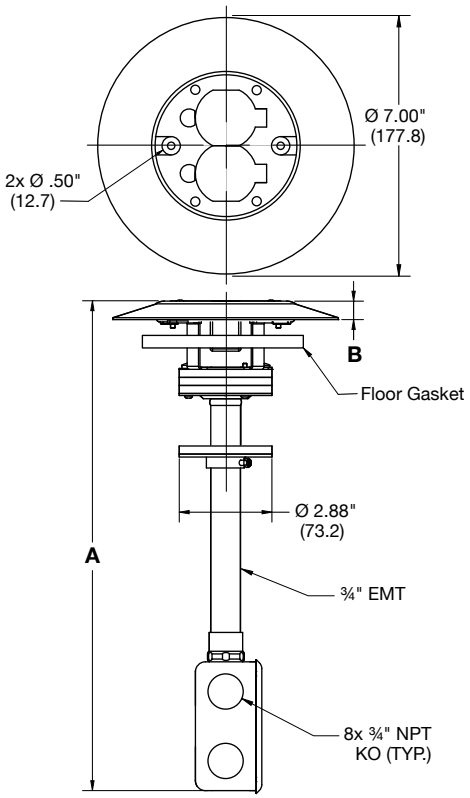
*Dimensions in Inches (mm)*

## Hubbell 3 Inch Series

*PT2X2 Series*




*PT7 Series*




| Series | Dimension A | Dimension B |
|---|---|---|
| Thermoplastic cover with aluminum flange. | 13.24 in. (336.2) | .51 in. (13.0) |
| Brass cover and flange. | 13.20 in. (335.2) | .49 in. (12.4) |

## Product Information

- PT7 series supplied with flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange.
- PT2X2 series supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V.
- PT2X2 series supplied with two (2) Hubbell HXJ6BK black jacks; category 6, UL Listed, 110 type contacts.
- PT7 series supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V.
- PT7 series supplied with two (2) ½ in. low voltage feed through holes. Two (2) feed through bushings supplied (cover will not accept data jacks).
- Wired with three (3) #12 AWG THHN stranded copper conductors.
- Supplied with 13.0 cu. in. junction box having eight (8) ¾ in. knockouts.

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm²) |
| #23 | .00040 sq. in. (.258mm²) |
| #22 | .00050 sq. in. (.322mm²) |
| #14 | .00323 sq. in. (2.083mm²) |
| #12 | .00512 sq. in. (3.303mm²) |
| #10 | .00815 sq. in. (5.258mm²) |
| # 8 | .01296 sq. in. (8.361mm²) |

## Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ to 7 in. (57.2 to 177.8).
- UL Listed for fire resistance in 1 – 4 hour rated floors.
- Approved for use in the City of Chicago (PT2X2 series).
- Not intended to be used in high traffic installations and not intended to support furniture.

## UL Listed Wiring Capacity

| | PT2X2 Series | | PT7 Series | |
|---|---|---|---|---|
| Fire Resistance Rating | 4-Hrs. (D900) | | 4-Hrs. (D900) | |
| Max. Copper Cross Section | ¾ in. Power EMT .0155 sq. in. | ½ in. Data EMT .0026 sq. in. | ¾ in. Power EMT .0155 sq. in. | Low Voltage EMT .0250 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

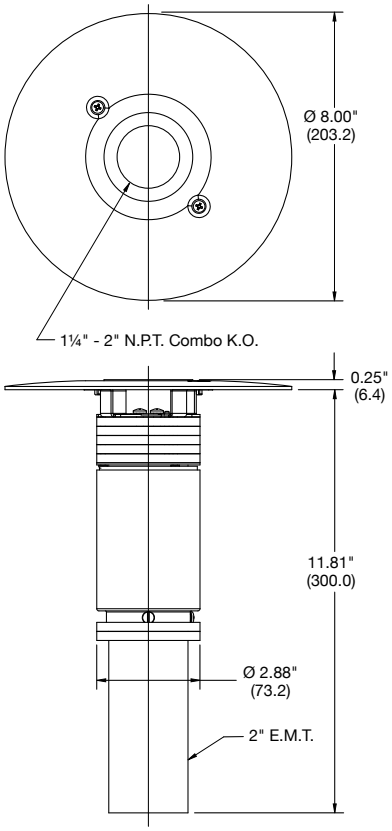
For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

*Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*
*The above product data pertains to both one-piece units and through-floor fittings.*

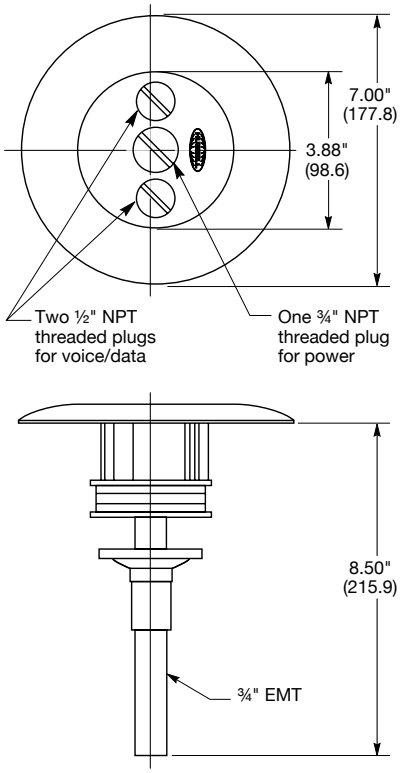
*Dimensions in Inches (mm)*

## Hubbell 3 Inch Series

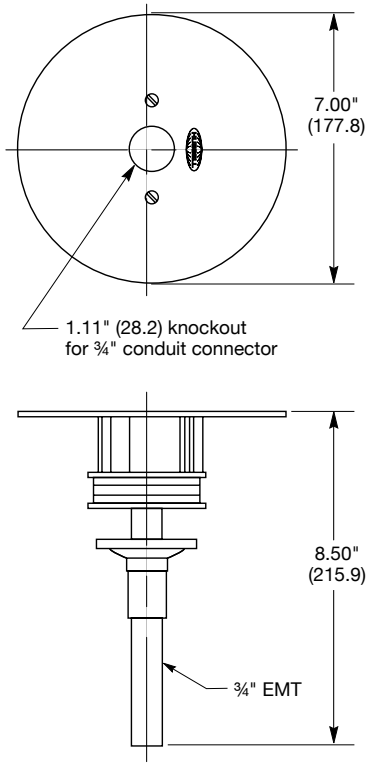
*PT2FIT Series*




*PT73FFSD Series*




*PT7FFSD Series*




## Product Information

**PT2FIT series**

- Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish).
- Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 1¼ in. NPT flexible metal conduit connector.

**PT73FFSD series**

- Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory).
- Aluminum conduit insert cover with one (1) ¾ in. and two (2) ½ in. die-cast threaded plugs.
- Supplied with one (1) ¾ in. and two (2) ½ in. screw-in flexible metal conduit connectors.

**PT73FFSD series**

- Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish).
- Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a ¾ in. NPT flexible metal conduit connector.

## Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole.
- Floor thickness range: 2¼ in. to 7 in. (57.2 to 177.8).
- PT2FIT series has single-service, power or data.
- UL Listed for fire resistance in 1 – 2 hour (PT2FIT series) rated floors.
- UL Listed for fire resistance in 1 – 4 hour (PT73FFSD and PT7FFSD series) rated floors.
- Approved for use in the City of Chicago (PT2FIT series).
- Not intended to be used in high traffic installations and not intended to support furniture.

| Wire Size (AWG) | Copper Cross Sectional Area for Solid or Stranded Conductors |
|---|---|
| #24 | .00032 sq. in. (.206mm²) |
| #23 | .00040 sq. in. (.258mm²) |
| #22 | .00050 sq. in. (.322mm²) |
| #14 | .00323 sq. in. (2.083mm²) |
| #12 | .00512 sq. in. (3.303mm²) |
| #10 | .00815 sq. in. (5.258mm²) |
| # 8 | .01296 sq. in. (8.361mm²) |

## UL Listed Wiring Capacity

| | PT2FIT Series | PT73FFSD Series | | PT7FFSD Series |
|---|---|---|---|---|
| Fire Resistance Rating | 2-Hrs. (D900) | 4-Hrs. (D900) | | 4-Hrs. (D900) |
| Max. Copper Cross Section | 2 in. EMT<br>.0922 sq. in. | ¾ in. EMT<br>.0470 sq. in. | ½ in. Feed Through<br>.0250 sq. in. | ¾ in. EMT<br>.0500 sq. in. |

## UL Characteristics

| Listing | UL File Number | ULC File Number |
|---|---|---|
| Outlet Box | E31999 | CEYYC |
| Fire Resistance | R8429 | R8429 |

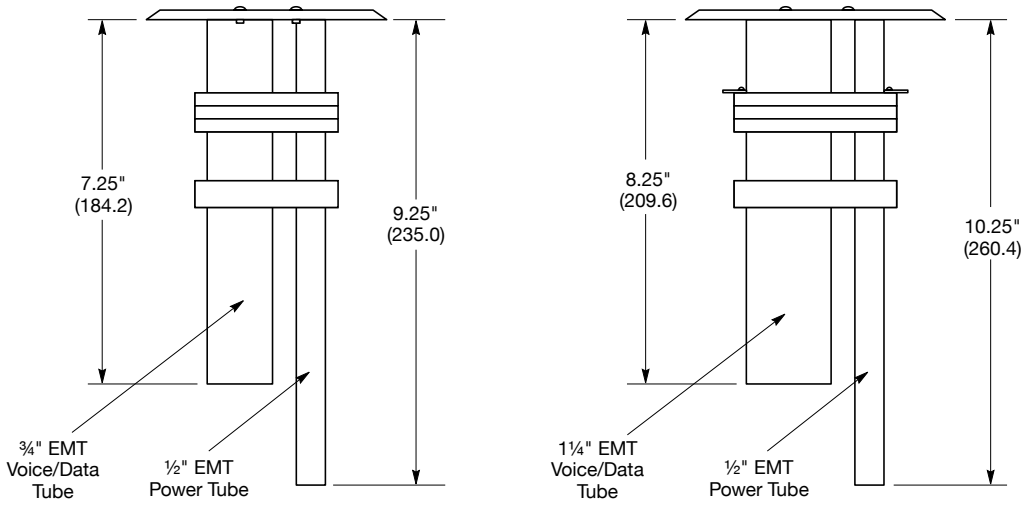
For use in 1, 1½, or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

*Note: The above product data pertains to both one-piece units and through-floor fittings.*
*When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

*Dimensions in Inches (mm)*

## Pedestal FRPT Series

*Pedestal Fitting Series*




| Applications | PT27A | PT7XC |
|---|---|---|
| Mounting | 2 in. (50.8) diameter hole. | 3 in. (76.2) diameter hole. |
| Floor Thickness Range | 2¼ in. to 7 in. (57.2 to 177.8) | 2¼ in. to 7 in. (57.2 to 177.8) |
| Fire Rating | For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design). | For use in 1, 1½, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 series design). |
| Service Pedestal Options | FR280, FR480, FR680 Series. | FR480 and FR680 Series. |

*Note: Not intended to be used in high traffic installations and not intended to support furniture.*

### UL Listed Wiring Capacity

| | | | | |
|---|---|---|---|---|
| Power Wiring Capacity | ½ in. EMT power tube<br>Handles:<br>Up to ten #12 AWG type THHN wires, or<br>Up to six #12 AWG and two #10 AWG type THHN wires. | | ½ in. EMT power tube<br>Handles:<br>Up to ten #12 AWG type THHN wires, or<br>Up to six #12 AWG and two #10 AWG type THHN wires. | |
| Voice/Data Wiring Capacity | ¾ in. EMT low-voltage tube<br>Handles:<br>Up to two 25 pair tel./data cables<br>(100 #22 AWG tel./data conductors), or<br>Up to two IBM Type 2 data cables. | | 1¼ in. EMT low-voltage tube<br>Handles:<br>Up to four 25 pair tel./data cables<br>(200 #22 AWG tel./data conductors), or<br>Up to five IBM Type 2 data cables and<br>four 8-conductor tel./data cables. | |
| Total Allowable Copper Cross-Sectional Area | ½ in. Power EMT<br>.0461 sq. in. | ¾ in. Low Voltage EMT<br>.0500 sq. in. | ½ in. Power EMT<br>.0461 sq. in. | 1½ in. Low Voltage EMT<br>.1000 sq. in. |

When conductors larger than #22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the #22 AWG conductors permitted in the low voltage compartment.

*Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC fill tables.*

### UL Characteristics

| Listing | UL File Number | UL File Number |
|---|---|---|
| Outlet Box | E31999 | E31999 |
| Fire Resistance | R8429 | R8429 |

For use in 1, 1½, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs).
UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

### Chicago Approved

| Catalog Number | City of Chicago File Number |
|---|---|
| **PT27A, PT7XC** | 5587E |

These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

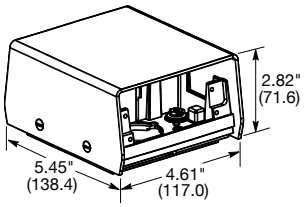
*Dimensions in Inches (mm)*

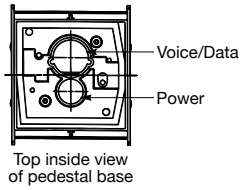
## Pedestal FRPT Series

*Painted and Brushed Aluminum Series*

### Dimensions

**2-Gang – FR280 Series (Use with PT27A Only)**

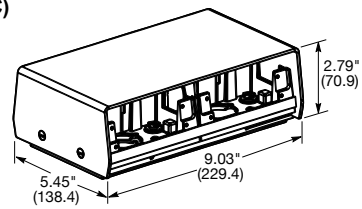


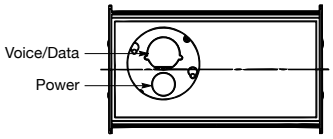



Top inside view of pedestal base

| | | |
|---|---|---|
| Total Cubic Inch Capacity (Single-Service) | 39.00 in. (638.8cm$^3$) | |
| Cubic Inch Capacity | Power | 19.5 in. (319.4cm$^3$) |
| (when divided for multi-service) | Voice/Data | 19.5 in. (319.4cm$^3$) |
| Service Pedestal Construction | Heavy gauge galvanized steel frame with aluminum housing and face plates. | |
| Pedestal Finish | Textured black or gray epoxy paint. | |

**4-Gang – FR480 (Use with PT27A or PT7XC)**

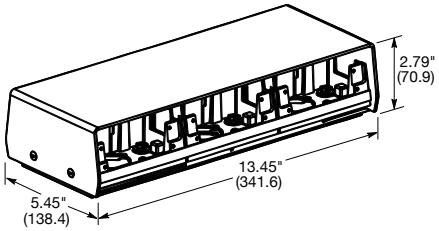


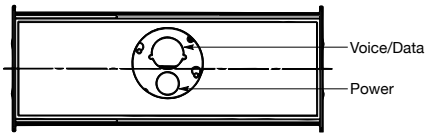



Top inside view of pedestal base

| | | |
|---|---|---|
| Total Cubic Inch Capacity (Single-Service) | 78.00 in. (1277.6cm$^3$) | |
| Cubic Inch Capacity | Power | 39.00 in. (638.8cm$^3$) |
| (when divided for multi-service) | Voice/Data | 39.00 in. (638.8cm$^3$) |
| Service Pedestal Construction | Heavy gauge galvanized steel frame with aluminum housing and face plates. | |
| Pedestal Finish | Textured black or gray epoxy paint. | |

**6-Gang – FR680 (Use with PT27A or PT7XC)**

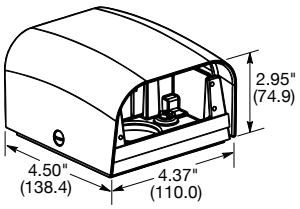


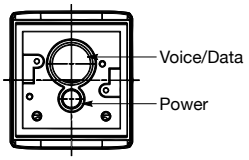



Top inside view of pedestal base

| | | |
|---|---|---|
| Total Cubic Inch Capacity (Single-Service) | 117.00 in. (1916.4cm$^3$) | |
| Cubic Inch Capacity | Power | 58.5 in. (958.2cm$^3$) |
| (when divided for multi-service) | Voice/Data | 58.5 in. (958.2cm$^3$) |
| Service Pedestal Construction | Heavy gauge galvanized steel frame with aluminum housing and face plates. | |
| Pedestal Finish | Textured black or gray epoxy paint. | |

**2-Gang – FR80AL (Use with PT7XC Only)**



Top inside view of pedestal base

| | | |
|---|---|---|
| Total Cubic Inch Capacity (single service) | 33.00 in. (540.9 cu cm$^3$) | |
| Cubic Inch Capacity | Power | 8.80 in. (144.2cm$^3$) |
| (when divided for multi-service) | Voice/Data | 26.70 in. (437.6cm$^3$) |
| Service Pedestal Construction | Heavy gauge aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates. | |
| Pedestal Finish | Brushed. | |

*Dimensions in Inches (mm)*

# SECTION Q

## Table of Contents











### Powered Seating Boxes



### USB Charging Receptacles



### Tri-Power Countertop Pop-Up Receptacle





| Product | Page |
|---|---|
| Powered Seating Boxes | Q-3 |
| USB Charging Receptacles | |
| Type-C, Type A&C and Type A | Q-4 |
| SNAPConnect® USB Charger | Q-5 |
| 4 Port and 2 Port, Switch Combo Outlets | Q-5 |
| 2X2 USB Work Surface Pop-Up Boxes | Q-5 |
| PlugTrak® Raceway with USB Charger Outlets | Q-5 |
| Surface Mount Countertop Receptacles | Q-6 |

## Features and Benefits

# HUBBELL ON-the-GO CHARGING

*Convenient Charging Stations*

### Powered Seating Boxes

Hubbell's On-the-Go Powered Seating Boxes fulfill customers' need for power accessibility. As the use of electronic devices has increased, the demand for charging has followed. Powered Seating Boxes provide an easy means of charging user's devices while meeting custom space requirements. Seating boxes can easily be attached to waiting area seating arrangements, conference tables, lecture halls, anywhere convenient power is needed.





### Housing Design

- Rugged design features satin aluminum construction body with impact-resistant polycarbonate end caps
- Make any furniture or seating area into a convenient charging station
- Available with up to 4 boxes per unit



### Powered Seating Boxes

- Parallel module wiring keeping individual seating boxes from losing power up and downstream
- Push to reset circuit breaker—trip electronically and reset manually



### Charging Power

- Fast charging speeds delivering up to 5 amps of charging power
- Green power LED provides visual indication of power to the devices



### Installation

- Security Torx-screw minimizes the potential for customers to open or tamper with units
- Hardwired permanently connected power and interconnecting cords
- Available with heavy-gauge durable powder coated steel mounting bracket



### USB ports

- Smooth insertion tamper-resistant devices provide an extra level of safety to your customers
- Overcurrent protection—12 amp string and 5 amp individual module protection



### Configurations

- Powered seating boxes are available in convenient bracketed configurations that easily attach to any flat surface
- Unbracketed configurations are also available





SP15USB1

## Powered Seating Boxes

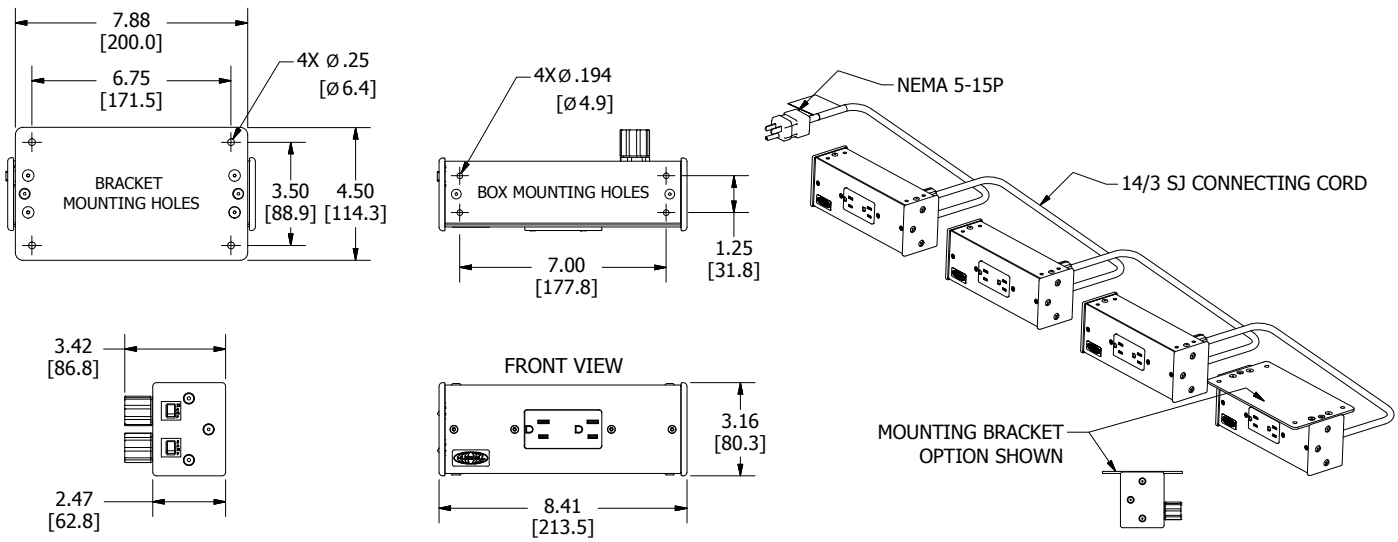
| Description | Cord Length* | Boxes per Unit* | Without Mounting Bracket | With Mounting Bracket |
|---|---|---|---|---|
| Powered Seating Box with dual USB ports. (1) USB Type-A port: 5A,5V, and (1) Power Delivery USB Type-C port: 55W | 10 ft power and 5 ft connecting cords | 1 | **SP15USB1** | **SP15USB1B** |
| | | 2 | **SP15USB2** | **SP15USB2B** |
| | | 3 | **SP15USB3** | **SP15USB3B** |
| | | 4 | **SP15USB4** | **SP15USB4B** |

*Note: *Special constructions are available with up to 7 boxes and up to 25 ft. of power cord. Contact you local Hubbell representative for more information.*
*Options for USB Type-C and hospital grade receptacles are also available*

## Specifications

- UL, cULus
- Meets construction and safety testing standards for UL962A Furniture Power Distribution Units

## Dimensions Inches (mm)



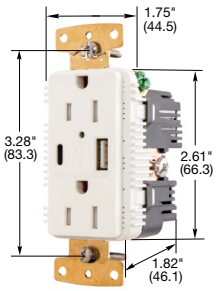

*Dimensions in Inches (mm)*



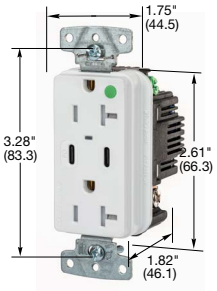
## USB Charging Receptacles Type-C • Type A&C • Type A

Hubbell USB Chargers are available in the new Type-C port, a combination unit with Type A&C, and the legacy Type A. All with the increase in power to a 5 Amp 5 Volt USB port adds capacity so that there is always ample current to support multiple device charging. Portable mobile manufacturers are using the faster Type-C ports. More phones, tablets and other electronic devices are expected to use this new standard.

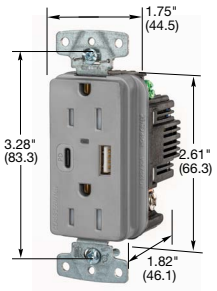
- Compliant with USB BC1.2 battery charging and 3.0 power delivery
- Compatible with USB 2.0, 3.0 and 3.1 devices
- USB Type-C port is legacy USB Type A compatible (adapter cord - not included)
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Designed for commercial, industrial and home use
- Weather resistant receptacles meets Section 406.9 of NEC®
- Weather resistant receptacles available in Type A&C USB ports only




USB15AC5WWR




USB8300CPDW




USB15ACPDGY

## Weather Resistant USB Charger Duplex Receptacles

| Description | Color | 15A 125V | 20A 125V |
|---|---|---|---|
| Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant Commercial Grade USB ports rated 10,000 cycles. | Black | **USB15AC5BKWR** | **USB20AC5BKWR** |
| | Brown | **USB15AC5WR** | **USB20AC5WR** |
| | Gray | **USB15AC5GYWR** | **USB20AC5GYWR** |
| | Ivory | **USB15AC5IWR** | **USB20AC5IWR** |
| | Light Almond | **USB15AC5LAWR** | **USB20AC5LAWR** |
| | White | **USB15AC5WWR** | **USB20AC5WWR** |

*Note: Outdoor circuits should be GFCI protected per national and local electric codes.*

## USB Charger Duplex Receptacles Type-C and Type A-C

| Description | Color | 15A 125V | 20A 125V |
|---|---|---|---|
| Hospital Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C Convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB8200CPDBK** | **USB8300CPDBK** |
| | Brown | **USB8200CPD** | **USB8300CPD** |
| | Gray | **USB8200CPDGY** | **USB8300CPDGY** |
| | Ivory | **USB8200CPDI** | **USB8300CPDI** |
| | Light Almond | **USB8200CPDLA** | **USB8300CPDLA** |
| | Red | **USB8200CPDR** | **USB8300CPDR** |
| | White | **USB8200CPDW** | **USB8300CPDW** |
| Hospital Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB8200ACPDBK** | **USB8300ACPDBK** |
| | Brown | **USB8200ACPD** | **USB8300ACPD** |
| | Gray | **USB8200ACPDGY** | **USB8300ACPDGY** |
| | Ivory | **USB8200ACPDI** | **USB8300ACPDI** |
| | Light Almond | **USB8200ACPDLA** | **USB8300ACPDLA** |
| | Red | **USB8200ACPDR** | **USB8300ACPDR** |
| | White | **USB8200ACPDW** | **USB8300ACPDW** |
| Commercial Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C Convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB15CPDBK** | **USB20CPDBK** |
| | Brown | **USB15CPD** | **USB20CPD** |
| | Gray | **USB15CPDGY** | **USB20CPDGY** |
| | Ivory | **USB15CPDI** | **USB20CPDI** |
| | Light Almond | **USB15CPDLA** | **USB20CPDLA** |
| | White | **USB15CPDW** | **USB20CPDW** |
| Commercial Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, Tamper-Resistant duplex receptacle, USB ports rated 10,000 cycles. | Black | **USB15ACPDBK** | **USB20ACPDBK** |
| | Brown | **USB15ACPD** | **USB20ACPD** |
| | Gray | **USB15ACPDGY** | **USB20ACPDGY** |
| | Ivory | **USB15ACPDI** | **USB20ACPDI** |
| | Light Almond | **USB15ACPDLA** | **USB20ACPDLA** |
| | White | **USB15ACPDW** | **USB20ACPDW** |

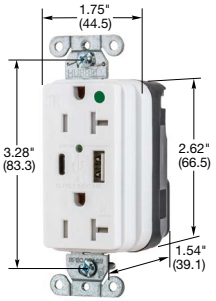
*Note: See page Tech-10 for Tamper-Resistant description. See section N for wallplates.*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

*Dimensions in Inches (mm)*

## SNAP*Connect*® USB Charger Duplex Receptacles

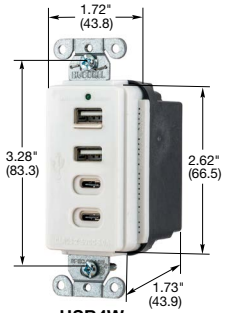
| Description | Color | 15A 125V AC | 20A 125V AC |
|---|---|---|---|
| Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output. | Black | **SNAP8200UACBK** | **SNAP8300UACBK** |
| | Brown | **SNAP8200UAC** | **SNAP8300UAC** |
| | Gray | **SNAP8200UACGY** | **SNAP8300UACGY** |
| | Ivory | **SNAP8200UACI** | **SNAP8300UACI** |
| | Light Almond | **SNAP8200UACLA** | **SNAP8300UACLA** |
| | Red | **SNAP8200UACR** | **SNAP8300UACR** |
| | White | **SNAP8200UACW** | **SNAP8300UACW** |
| SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output. | Black | **SNAP15UACBK** | **SNAP20UACBK** |
| | Brown | **SNAP15UAC** | **SNAP20UAC** |
| | Gray | **SNAP15UACGY** | **SNAP20UACGY** |
| | Ivory | **SNAP15UACI** | **SNAP20UACI** |
| | Light Almond | **SNAP15UACLA** | **SNAP20UACLA** |
| | White | **SNAP15UACW** | **SNAP20UACW** |
| Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material. | Solid | **SNAP1RNA** | **SNAP1RNA** |
| | Stranded | **SNAP2RNA** | **SNAP2RNA** |



**SNAP8300UACW**

## 4 Port USB Charger Outlets

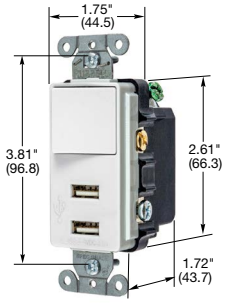
| Description | Color | Catalog Number |
|---|---|---|
| USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line® decorator. | Black | **USB4ACBK** |
| | Brown | **USB4AC** |
| | Gray | **USB4ACGY** |
| | Ivory | **USB4ACI** |
| | Light Almond | **USB4ACLA** |
| | White | **USB4ACW** |



**USB4W**

## Switch Combo Outlets

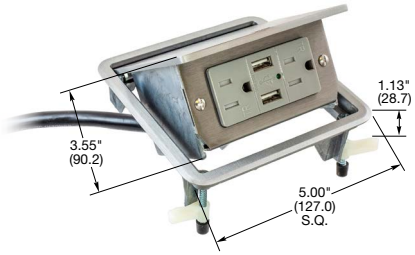
| Description | Color | Catalog Number |
|---|---|---|
| Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator. | Black | **USB102BK** |
| | Brown | **USB102** |
| | Gray | **USB102GY** |
| | Ivory | **USB102I** |
| | Light Almond | **USB102LA** |
| | White | **USB102W** |



**USB102W**

## 2X2 USB Work Surface Pop-Up Boxes

| Surface Dimensions | Cut Out Dimensions | Product Depth | Maximum Surface Thickness | Finish | Catalog Number |
|---|---|---|---|---|---|
| 5" x 5" | 4.62" x 4.62" | 3.55" | 1.125" | Brushed Aluminum | **WSBUSB2X2ALU** |
| 5" x 5" | 4.62" x 4.62" | 3.55" | 1.125" | Black Powder Coat | **WSBUSB2X2BLK** |



**WSBUSB2X2ALU**

## PlugTrak® Raceway with USB Charger Outlets

USB type 2.0 ports, 2.4 Amp, 5 Volt DC, 15 Amp, 125 Volt AC receptacles.

| Material | Length | Ends | # of USB Ports | # of Single Receptacles | Color | Catalog Number |
|---|---|---|---|---|---|---|
| Steel | 3 ft. | 6 in. leads | 2 | 2 | Ivory | **HBL20GB312UIV** |
| Steel | 6 ft. | 6 in. leads | 4 | 4 | Ivory | **HBL20GB612UIV** |
| Aluminium | 3 ft. | 6 in. leads | 2 | 2 | Aluminum | **HBLALU20GB312U** |
| Aluminium | 6 ft. | 6 in. leads | 4 | 4 | Aluminum | **HBLALU20GB612U** |
| Non-metallic | 6 ft. | 6 in. leads | 4 | 8 | Office White | **PT156112U*** |
| Portable - Plug in | | | | | | |
| Steel | 40 in. | 6 ft. cord and plug | 2 | 4 | Ivory | **HBL20C215UIV** |
| Non-metallic | 36 in. | 6 ft. cord and plug | 2 | 4 | Office White | **PT153112UP*** |

*Note: *For additional colors add "BK" for Black or "W" for white.*


**HBL20GB312UIV** **PT153112UP**
**HBLALU20GB612U**

*Dimensions in Inches (mm)*

# Charging Solutions

## Surface Mount Countertop Receptacles

Hubbell's Pop-Up Receptacles for countertops provide a power source ideal for residential and commercial locations. Hubbell is the first to market a countertop receptacle listed under UL498 Section 146 Spill Test. Silicon gaskets built into the receptacle creates a water-resistant seal up to a half gallon of liquid.




### Because Spills Happen

- Spill water tested
- Self sealing silicon gaskets at the face
- Watertight interior

### Install With Ease

- Permanent installation ready for hardwire
- Accepts non-metallic sheathed cable and/or metal conduit
- Suitable for 20 Amp circuit, end of line
- Push-down to pop-up function is rated for a minimum of 10,000 cycles
- Tower design ensures secure fitment

### User Friendly

- Type A and C USB ports
- LED Light indicates power to the ports

### Certified

- UL Listed for countertop installation (UL 498 Section 146-151)
- Meets NEC 406.5 (E) for countertop surfaces. Plug-in products are non-compliant




### Tops in Black, White, and Grey






## Surface Mount Countertop Receptacles

| Flange Color | | Top Color | 15 AMP | 20 AMP |
|---|---|---|---|---|
| | Nickel | Black, White, & Gray | **RCT600NI** | **RCT620NI** |
| | Aluminum | Black, White, & Gray | **RCT600ALU** | **RCT620ALU** |
| | Black | Black | **RCT600BK** | **RCT620BK** |
| | White | White | **RCT600W** | **RCT620W** |
| | Chrome | Black, White, Gray | **RCT600CH** | **RCT620CH** |
| | Bronze | Black, White, Gray | **RCT600BZE** | **RCT620BZE** |
| | Brass | Black, White, Gray | **RCT600BR** | **RCT620BR** |

# SECTION R

## Table of Contents



**Two Duplex Receptacles or Blank Pole**



**Isolated Ground with and without Surge Suppression**



**GFCI Self Test Duplex Receptacles**




| Product | Page |
|---|---|
| Products at a Glance | R-2 |
| Features and Benefits | R-3 |
| Aluminum Series Offering | R-4 |
| Custom Pole Configurations | R-5 |
| Division 16 Specifications | R-6 |

# Aluminum Service Poles

## Products at a Glance



### Two Duplex Receptacles or Blank Pole

- (2) 20A 125V Style Line® duplex receptacles; one circuit
- Available in three standard lengths: 10' 2", 12' 2" and 15' 2" to accommodate a variety of applications
- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted or clear anodized aluminum finish to suit every need



### Isolated Ground with and without Surge Suppression

- (1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits
- (2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit



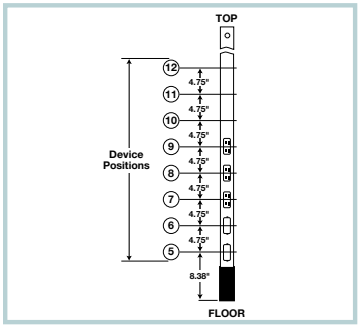
### GFCI Self Test and Duplex Receptacles

- (1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit



### Adjustable T-Bar and Trim Kit

- Adjustable T-bar for mounting poles in the center of the ceiling tiles
- All service poles include ceiling trim plates, replacements also available in office white




### Custom Pole Configurations

- Create your own custom service poles using the chart on page R-5
- For configurations that require additional customization, please consult Hubbell Technical Services



# Aluminum Service Poles

## Features and Benefits

### Aluminum Series Offering

Hubbell offers a line of attractive and durable Aluminum Service Poles which distribute wiring from above the ceiling to workstations below.

They are offered in standard lengths of 10' 2", 12' 2" and 15' 2" with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

Available in varying lengths and colors, custom options maximize space and allow workstations, retail checkout areas, collaboration areas, digital signage, vending machines, appliances and kiosks to be positioned away from the wall.

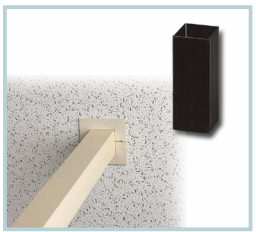
- Factory ordered custom pole lengths and configurations available for special applications
- UL listed





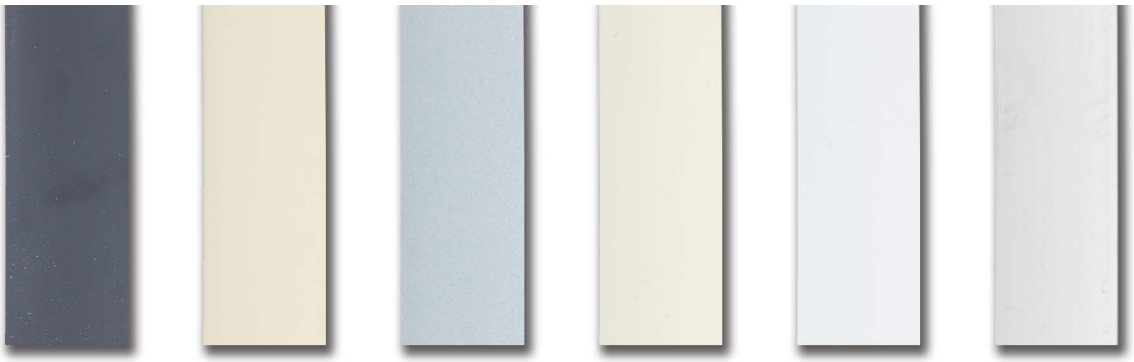
### Colors Available

- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted and clear anodized aluminum finishes to suit every need



### Accessories

- Each pole include a ceiling trim mounting plate and bottom scuff boot



Black | Ivory | Gray | Office White | White | Clear Anodized Aluminum

# Aluminum Service Poles

## Aluminum Series Offering



HBLPP10AI



HBLPP10IGA

HBLPP10SAI



HBLPP10GFW



ATB



PPTRIM1

### Three Service Aluminum Service Poles

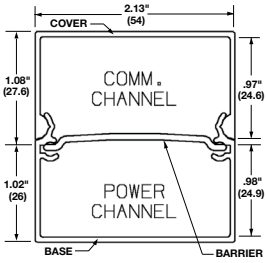
| Description | Color | 10' 2" (3.10m) | 12' 2" (3.71m) | 15' 2" (4.62m) |
|---|---|---|---|---|
| (2) 20A 125V Style Line® duplex receptacles; one circuit | Black | **HBLPP10BK** | **HBLPP12BK** | **HBLPP15BK** |
| | Gray | **HBLPP10A** | **HBLPP12A** | **HBLPP15A** |
| | Ivory | **HBLPP10AI** | **HBLPP12AI** | **HBLPP15AI** |
| | Office White | **HBLPP10OW** | **HBLPP12OW** | **HBLPP15OW** |
| | White | **HBLPP10W** | **HBLPP12W** | **HBLPP15W** |
| | Clear Anodized Aluminum | **HBLPP10AAL** | **HBLPP12AAL** | **HBLPP15AAL** |
| (1) Orange isolated ground 20A 125V Style Line® duplex receptacle; (1) 20A 125V Style Line® duplex receptacle; two circuits | Black | **HBLPP10IGBK** | — | — |
| | Gray | **HBLPP10IGA** | — | — |
| | Ivory | **HBLPP10IGAI** | — | — |
| | Office White | **HBLPP10IGOW** | — | — |
| | White | **HBLPP10IGW** | — | — |
| | Clear Anodized Aluminum | **HBLPP10IGAL** | — | — |
| (2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit | Black | **HBLPP10SBK** | — | — |
| | Gray | **HBLPP10SA** | — | — |
| | Ivory | **HBLPP10SAI** | — | — |
| | Office White | **HBLPP10SOW** | — | — |
| | White | **HBLPP10SW** | — | — |
| | Clear Anodized Aluminum | **HBLPP10SAL** | — | — |
| (1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit | Black | **HBLPP10GFBK** | **HBLPP12GFBK** | **HBLPP15GFBK** |
| | Gray | **HBLPP10GF** | **HBLPP12GF** | **HBLPP15GF** |
| | Ivory | **HBLPP10GFI** | **HBLPP12GFI** | **HBLPP15GFI** |
| | Office White | **HBLPP10GFOW** | **HBLPP12GFOW** | **HBLPP15GFOW** |
| | White | **HBLPP10GFW** | **HBLPP12GFW** | **HBLPP15GFW** |
| | Clear Anodized Aluminum | **HBLPP10GFAL** | **HBLPP12GFAL** | **HBLPP15GFAL** |
| Blank pole; divider; (4) Style Line® device knockouts | Black | **HBLPPOBK** | **HBLPPO12BK** | **HBLPPO15BK** |
| | Gray | **HBLPPOA** | **HBLPPO12A** | **HBLPPO15A** |
| | Ivory | **HBLPPOAI** | **HBLPPO12AI** | **HBLPPO15AI** |
| | Office White | **HBLPPOOW** | **HBLPPO12OW** | **HBLPPO15OW** |
| | White | **HBLPPOW** | **HBLPPO12W** | **HBLPPO15W** |
| | Clear Anodized Aluminum | **HBLPPOAAL** | **HBLPPO12AAL** | **HBLPPO15AAL** |

### Accessories

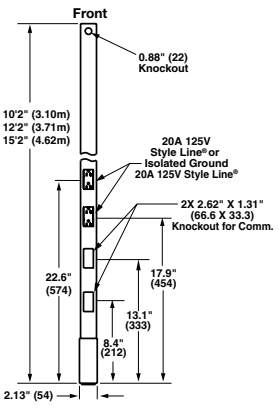
| Description | Catalog Number |
|---|---|
| Adjustable T-bar assembly for mounting poles in the middle of ceiling tile. | **ATB*** |
| Replacement service pole trim kit (office white). | **PPTRIM1*** |

*Note: * Not UL listed.*

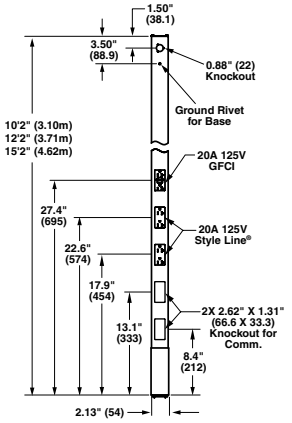
### Dimensions



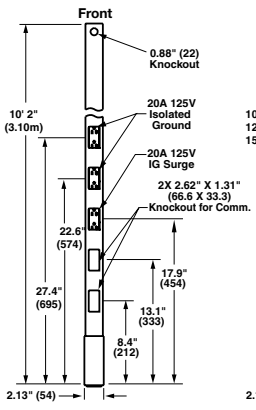

**Service Pole Cross Section**



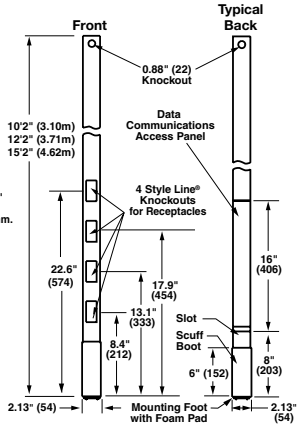

**HBLPP10, HBLPP12, HBLPP15, HBLPP10IG**




**HBLPP10GF, HBLPP12GF, HBLPP15GF**




**HBLPP10S**




**HBLPPO, HBLPPO12, HBLPPO15**

*Dimensions in Inches (mm)*

## Custom Pole Configurations

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

| Position | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selections | S | P | 1 | 0 | 0 | 2 | 1 | 1 | B | B | B | X | X | X | C | I |

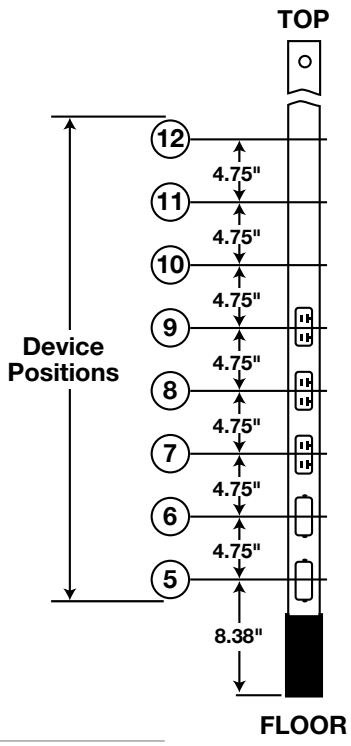
***Example: SP100211BBBXXXCI***

*10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) HBL2162 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.*

***Worksheet***

| Position | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selections | S | P | | | | | | | | | | | | | | |

| | |
|---|---|
| **Position 1 & 2:** Height to the nearest foot. | 08-22 Feet. |
| **Position 3 & 4:** Height in inches up to 11". | 00-11 Inches. |
| **Position 5, 6, 7, 8, 9, 10, 11, 12:** Starting at **Position 5** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 5**. Empty **Positions** should be filled with an **"X"** to designate an empty field.<br><br>*Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.* | **Data Selections**<br>1 - Rectangular Style Line® Knockout.<br>2 - ½" NPT Knockout (0.875" diameter).<br>3 - ¾" NPT Knockout (1.109" diameter).<br>4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame.<br>5 - 3-Port Style Line® Data Frame, 1-Gang, 3 Port Voice/Data Frame.<br><br>**Power Selections**<br>6 - Rectangular Style Line® Knockout (for blank poles only).<br>7 - ½" NPT Knockout (0.875" diameter, for blank poles only).<br>8 - ¾" NPT Knockout (1.109" diameter, for blank poles only).<br>A - 5362, 20A, 125V AC, Duplex.<br>B - HBL2162, 20A, 125V AC, Style Line® Decorator Duplex.<br>C - IG5362, 20A, 125V AC, I.G. Duplex.<br>D - IG2162, 20A, 125V AC, I.G. Style Line® Decorator Duplex.<br>G - HBL4700, 15A, 125V AC, Twist-Lock® Duplex.<br>H - IG4700A, 15A, 125V AC, I.G. Twist-Lock® Duplex.<br>I - IG2310, 20A, 125V AC, I.G. Twist-Lock® Single.<br>J - IG5361, 20A, 125V AC, I.G. Single.<br>K - HBL5361, 20A, 125V AC, Single.<br>L - HBL2310, 20A, 125V AC, Twist-Lock® Single.<br>M - HBL2610, 30A, 125V AC, Twist-Lock® Single.<br>N - HBL2320, 20A, 250V AC, Twist-Lock® Single.<br>O - HBL2620, 30A, 250V AC, Twist-Lock® Single.<br>Q - IG4710, 15A, 125V AC, I.G. Twist-Lock® Single.<br>R - HBL4710, 15A, 125V AC, Twist-Lock® Single.<br>S - HBL5662, 15A, 250V AC, Duplex.<br>T - IG5662, 15A, 250V AC, I.G. Duplex.<br>U - HBL5661, 15A, 250V AC, Single.<br>V - IG5661, 15A, 250V AC, I.G. Single.<br>W - HBL5462, 20A, 250V AC, Duplex. |
| **Position 13:** Power Circuits | Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts).<br>A - All devices on a single circuit.<br>B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2.<br>C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.<br>D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.<br>E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.<br>F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.<br>G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.<br>H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. |
| **Position 14:** Color | I - Ivory.<br>G - Gray.<br>W - White.<br>K - Black.<br>A - Aluminum with clear anodized finish. |



# Aluminum Service Poles

## Division 16 Specifications

### Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

### A. Standard and Custom Aluminum Service Poles

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with specification grade Style Line® decorator receptacles (20A, 125V). These receptacles shall be Hubbell type HBL2162xx or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line® communication knockouts located on the front of the pole.

***Finish***

Service Poles will include a painted or clear anodized finish.
Custom poles are available in Black, Gray, Ivory, Office White, White, and Clear Anodized Aluminum.

***Heights***

Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft.
Other custom poles can be as short as 6 in. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10BK, HBLPP10A, HBLPP10AI, HBLPP10OW, HBLPP10W, and HBLPP10AAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12BK, HBLPP12A, HBLPP12AI, HBLPP12OW, HBLPP12W, and HBLPP12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15BK, HBLPP15A, HBLPP15AI, HBLPP15OW, HBLPP15W, and HBLPP15AAL.
8-22 feet: Hubbell Custom Poles.

***2. Isolated Ground***

The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG2162 and one #HBL2162xx, both 20A, 125V Style Line® decorator receptacles (wired on separate circuits). Custom poles with a variety of receptacles may also include isolated ground type devices. 10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGBK, HBLPP10IGA, HBLPP10IGAI, HBLPP10IGOW, HBLPP10IGW, and HBLPP10IGAL.

***3. Surge Suppression/Isolated Ground***

The following Service Poles contain one Hubbell #IG5362xxSA (20A, 125V Surge/IG Style Line® decorator duplex) and two #IG2162 (20A, 125V IG Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Custom poles with a variety of receptacle options may also include surge suppression. 10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SBK, HBLPP10SA, HBLPP10SAI, HBLPP10SOW, HBLPP10SW, and HBLPP10SAL.

***4. GFCI***

The following Service Poles contain one Hubbell #GFST20 (20A, 125V GFCI Self Test Style Line® decorator duplex) and two #HBL2162 (20A, 125V Style Line® decorator duplex) receptacles. All receptacles are wired on the same circuit, the two HBL2162 are GFCI protected by being wired to the load side of the GFST20.
10 ft. 2 in. (3.10m): Hubbell type HBLPP10GFBK, HBLPP10GF, HBLPP10GFI, HBLPP10GFOW, HBLPP10GFW, and HBLPP10GFAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12GFBK, HBLPP12GF, HBLPP12GFI, HBLPP12GFOW, HBLPP12GFW, and HBLPP12GFAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15GFBK, HBLPP15GF, HBLPP15GFI, HBLPP15GFOW, HBLPP15GFW, and HBLPP15GFAL.

***5. Blank***

The following Service Poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.
10 ft. 2 in. (3.10m): Hubbell type HBLPPOBK, HBLPPOA, HBLPPOAI, HBLPPOOW, HBLPPOW, and HBLPPOAAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPPO12BK, HBLPPO12A, HBLPPO12AI, HBLPPO12OW, HBLPPO12W, and HBLPPO12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPPO15BK, HBLPPO15A, HBLPPO15AI, HBLPPO15OW, HBLPPO15W, and HBLPPO15AAL.

### B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line® communication outlets.

# SECTION S

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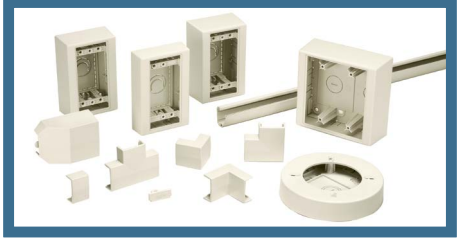




**Metal Raceway and Aluminum Raceway**



**Non-Metallic Raceway**



**Pre-Wired Raceway**




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# Metal, Aluminum and Non-Metallic Raceway

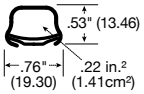
* Available in PRE-WIRED

## Raceway Profiles - Quick Reference Guide

### Metal Raceway

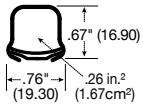
Color - Ivory, Gray or White

**HBL500**
Ivory/White



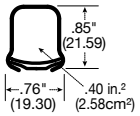

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**HBL700**
Ivory/White



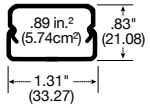

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**HBL750**
Ivory/White



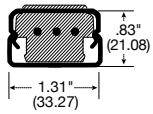

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**HBL2000/A**
Ivory/Gray



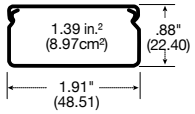

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**Metal PlugTrak®**
Ivory/Gray



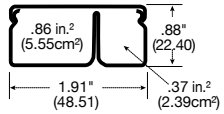

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**HBL2400**
Ivory



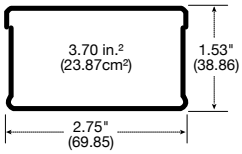

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**HBL2400D**
Ivory



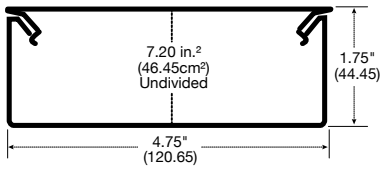

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**HBL3000***
Ivory/Gray



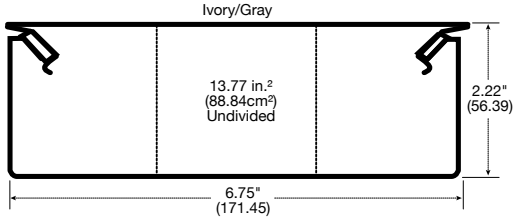

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**HBL4750***
Ivory/Gray




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**HBL6750***
Ivory/Gray

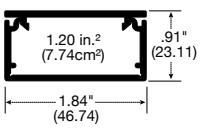



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### Aluminum Raceway

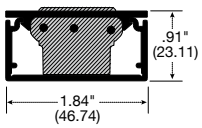
Color - Satin Anodized Finish

**HBLALU2000**



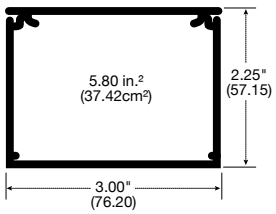

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**Aluminum PlugTrak®**



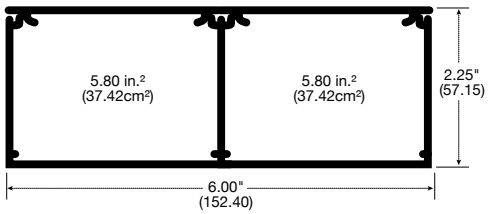

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**HBLALU3800***



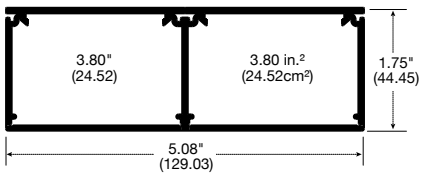

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**HBLALU4800***



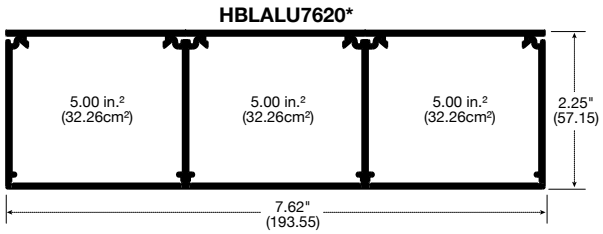

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**HBLALU5000***




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**HBLALU7620***

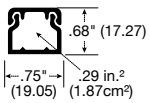



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### Non-Metallic Raceway

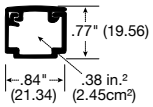
Color - Office White, White and Black

**PT1**



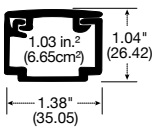

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**PP1**



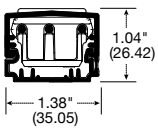

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**PL1**



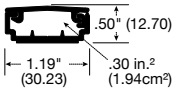

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**Non-Metallic PlugTrak®**



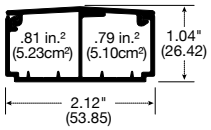

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**PW1**



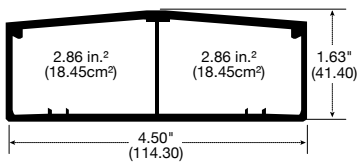

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**PW2**



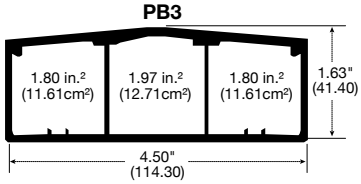

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**PB2***



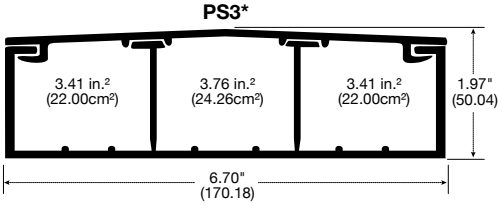

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**PB3**




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**PS3***




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*Note: *Available in PRE-WIRED.*
*Channel Area in Square Inches (square centimeters).*

## Products at a Glance



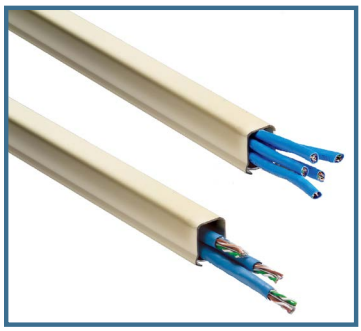
**HBL500, HBL700 and HBL750 Series**

- Hubbell's exclusive HBL750 Series adds an additional profile for data and electrical applications



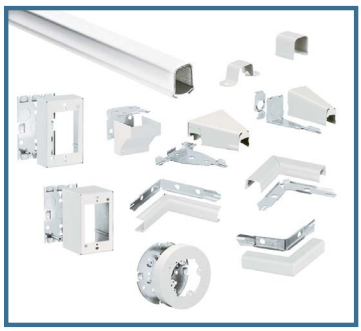
**Innovative Box Design**

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
  See page S-45 for selection



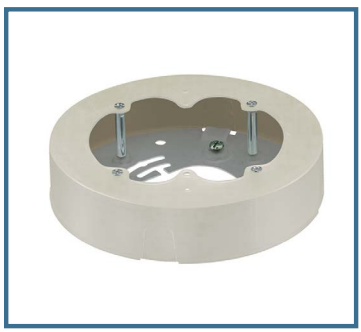
**Enhanced Datacom Capabilities**

- Capacity for up to five Category 5e, three Category 6, or two Category 6A cables
- Available with 1½ in. (38.10) Category 6 and 6A bend radius fittings
- Largest single channel low profile raceway available in its class
- Ideal for datacom and oversized neutral applications



**White Metal Raceway**

- HBL750 Series available in white
- Full line of product
- Additional color options available for architects and interior designers



**Retrofit Box for Fire Alarm Detectors**

- Fits most manufacturers of audible alarm systems
- Compatible with HBL500, HBL700 and HBL750 Series Metal Raceway
- Available in white and ivory

## HBL500, HBL700 and HBL750 Series

**HBL500, HBL700 and HBL750 Series**

| Description | Color | Length | HBL500 Series | HBL700 Series | HBL750 Series |
|---|---|---|---|---|---|
| **Base and Cover**<br>Available in 5 ft. (1.5m) lengths, packed 50 ft. (15m) per carton and 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. HBL5701C coupling furnished with each length. | Ivory | 5 ft. | — | — | **HBL7505IV** |
| | Ivory | 10 ft. | **HBL50010IV** | **HBL700IV** | **HBL75010IV** |
| | White | 10 ft. | **HBL50010W** | **HBL700W** | **HBL75010W** |
| | | | A: .53" (13.46)<br>B: .76" (19.30) | A: .67" (16.90)<br>B: .76" (19.30) | A: .85" (21.59)<br>B: .76" (19.30) |







| | Color | 1-Gang | 2-Gang | 3-Gang | 4-Gang | 5-Gang | 6-Gang |
|---|---|---|---|---|---|---|---|
| **Standard** | Ivory | **HBL5748IVA** | **HBL57482IVA** | **HBL57483IVA** | **HBL57484IVA** | **HBL57485IVA** | **HBL57486IVA** |
| | White | **HBL5748WA** | **HBL57482WA** | **HBL57483WA** | — | — | — |
| | | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.75" (44.45) | A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.75" (44.45) | A: 4.54" (115.32)<br>B: 6.45" (163.88)<br>C: 1.75" (44.45) | A: 4.54" (115.32)<br>B: 8.26" (209.91)<br>C: 1.75" (44.45) | A: 4.54" (115.32)<br>B: 10.01" (255.93)<br>C: 1.75" (44.45) | A: 4.54" (115.32)<br>B: 11.89" (301.96)<br>C: 1.75" (44.45) |
| **Shallow** | Ivory | **HBL5747IVA** | **HBL57472IVA** | **HBL57473IVA** | — | — | — |
| | White | **HBL5747WA** | **HBL57472WA** | — | — | — | — |
| | | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.38" (35.05) | A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.38" (35.05) | A: 4.54" (115.32)<br>B: 6.45" (163.88)<br>C: 1.38" (35.05) | | | |
| **Deep** | Ivory | **HBL5744SIVA** | **HBL5744S2IVA** | **HBL5744S3IVA** | — | — | — |
| | White | **HBL5744SWA** | **HBL5744S2WA** | — | — | — | — |
| | | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 2.25" (57.00) | A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 2.25" (57.00) | A: 4.54" (115.32)<br>B: 6.45" (163.88)<br>C: 2.25" (57.00) | | | |
| **Extra Deep** | Ivory | **HBL5744IVA** | **HBL57442IVA** | **HBL57443IVA** | — | — | — |
| | White | **HBL5744WA** | **HBL57442WA** | — | — | — | — |
| | | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 2.75" (69.85) | A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 2.75" (69.85) | A: 4.54" (115.32)<br>B: 6.45" (163.88)<br>C: 2.75" (69.85) | | | |
| Base Trade Size KOs | | 2- ½" | 1 - ½", ¾" Concentric<br>1 - Rectangular | 3 - ½" | 4 - ½" | 5 - ½" | 6 - ½" |

*Note: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages S-45 and S-46 for datacom product selection, or visit our site at www.hubbell-wiring.com for our Full Line Catalog and additional information.*




| | Description | Color | 1-Gang | 1-Gang Deep | 1-Gang Blank | 2-Gang | 3-Gang |
|---|---|---|---|---|---|---|---|
| **Extension Boxes** | **Extension Boxes**<br>To extend exisiting flush switch and receptacle boxes. Blank is used where it is desired to blank original outlet. | Ivory | **HBL5751IVA** | **HBL5751AIVA** | **HBL5760IVA** | **HBL57512IVA** | **HBL57513IVA** |
| | | White | **HBL5751WA** | **HBL5751AWA** | — | — | — |
| | | | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.38" (35.05) | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.75" (44.45) | A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.13" (28.70) | A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.38" (35.05) | A: 4.54" (115.32)<br>B: 6.45" (163.88)<br>C: 1.38" (35.05) |

*Dimensions in Inches (mm)*

## HBL500, HBL700 and HBL750 Series

### 1-Gang Specialty Boxes

| Description | Color | 1-Gang |
|---|---|---|
| **Low Profile Switch/Receptacle**<br>Base has ½ in. trade size KOs. | Ivory<br>White | **HBL5748SIVA**<br>**HBL5748SWA**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.13" (28.70) |
| **Combination Switch/Recept.**<br>Connects surface runs of ½ in. trade size conduit, one raceway twistout each side and three raceway twistouts top and bottom. | Ivory<br>White | **HBL5745IVA**<br>**HBL5745WA**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.75" (44.45) |
| **Utility Box***<br>For use as a tee, cross, pull box, junction box or blank box.<br>Base has ½ in. trade size KOs. | Ivory<br>White | **HBL57242IVA**<br>**HBL57242WA**<br>A: 4.12" (104.78)<br>B: 2.00" (50.80)<br>C: 1.39" (35.31) |

### 2-Gang Specialty Boxes

| Description | Color | 2-Gang |
|---|---|---|
| **Alarm Device Box**<br>Surface mounting of alarm devices and safety signals. | Ivory<br>White<br>Red | **HBL5752IVA**<br>—<br>**HBL5752RA**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.38" (35.05) |
| **Extra Deep Alarm Device Box**<br>For surface mounting of alarm devices and safety signals. Cover is 2.75 in. (69.85) deep. | Ivory<br>White<br>Red | **HBL5753IVA**<br>—<br>**HBL5753RA**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 2.75" (69.85) |
| **Distribution Box**<br>Twistouts permit three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00), 4.06 in. (103.00) and canopy fixture not larger than 4.63 in. (117.00). Can be used with HBL5736IV (blank cover) to create junction box. | Ivory<br>White | **HBL5735IVA**<br>—<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.38" (35.05) |

*Note: *Use catalog number HBL5791 for connecting ½ in. EMT to HBL5745 and HBL57242 boxes.*

### Round Boxes

| Description | Color | 4.75 inches O.D. | 5.50 inches O.D. | 6.38 inches O.D |
|---|---|---|---|---|
| **Extension Box (Open Base)**<br>For mounting on 3.25 in. (83.00) or 4 in. (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). | Ivory<br>White | **HBL5737IVA**<br>**HBL5737WA**<br>A: 1.02" (26.00)<br>B: 4.75" (120.65) | **HBL5737AIVA**<br>**HBL5737AWA**<br>A: 1.02" (26.00)<br>B: 5.50" (140.00) | **HBL5739AIVA**<br>—<br>A: 1.02" (26.00)<br>B: 6.38" (162.01) |
| **Fixture Box (Solid Base)**<br>To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Both boxes can be used as a pull or junction box when used with HBL5736IV/W (blank cover). | Ivory<br>White | **HBL5738IVA**<br>**HBL5738WA**<br>A: 1.02" (26.00)<br>B: 4.75" (120.65) | **HBL5738AIVA**<br>**HBL5738AWA**<br>A: 1.02" (26.00)<br>B: 5.50" (140.00) | **HBL5739IVA**<br>**HBL5739WA**<br>A: 1.02" (26.00)<br>B: 6.38" (162.01) |

### Specialty Round Boxes

| Description | Color | Catalog Number |
|---|---|---|
| **Outlet Box**<br>For devices with mounting screw centers of 1.47 in. (37.00), 1.63 in. (41.00), 1.69 in. (44.00) or 1.84 in. (46.00). | Ivory<br>White | **HBL5733IVA**<br>—<br>A: 1.02" (26.00)<br>B: 3.00" (76.00) |
| **Fanbox with Solid Base**<br>Cover accepts fan bracket with mounting centers of 3.2 in. (81.00). Rated for fans and fixtures up to 50 lbs. | Ivory<br>White | **HBL5738AFIVA**<br>**HBL5738AFWA**<br>A: .38" (9.75)<br>B: 4.19" (106.30) |
| **Retrofit Box for Fire Alarm Detectors**<br>For installing round alarm sensors. | Ivory<br>White | **HBL5739AABIVA**<br>**HBL5739AABWA**<br>A: 1.62" (41.15)<br>B: 6.50" (165.10) |

### Round Covers

| Description | Color | Catalog Number |
|---|---|---|
| **Blank Cover**<br>For use with HBL5733IVA. Has ½ in. trade size KO in center. | Ivory<br>White | **HBL5731IV**<br>—<br>A: .24" (6.10)<br>B: 2.40" (60.96) |
| **Blank Cover**<br>For use with HBL5735IVA, HBL5737IVA/WA, HBL5737AIVA/WA, HBL5739AIVA, HBL5738IVA/WA, HBL5738AIVA/WA and HBL5739IVA/WA. Has ½ in. trade size KO in center. | Ivory<br>White | **HBL5736IV**<br>**HBL5736W**<br>A: .38" (9.75)<br>B: 4.19" (106.30) |

*Dimensions in Inches (mm)*

## HBL500, HBL700 and HBL750 Series

### Elbows

| Description | Color | HBL500 Series | HBL700 and HBL750 Series |
|---|---|---|---|
| **Internal Elbow**<br>For inside surfaces at right angles. | Ivory<br>White | **HBL517IV**<br>**HBL517W**<br>A: 3.33" (84.51)<br>B: .58" (14.73)<br>C: 3.33" (84.51) | **HBL717IVA**<br>**HBL717WA**<br>A: 3.33" (84.51)<br>B: .90" (22.86)<br>C: 3.33" (84.51) |
| **External Elbow**<br>For outside surfaces at right angles. | Ivory<br>White | **HBL518IV**<br>**HBL518W**<br>A: 2.59" (65.71)<br>B: ..58" (14.73)<br>C: 2.59" (65.71) | **HBL718IVA**<br>**HBL718WA**<br>A: 2.59" (65.71)<br>B: .90" (22.86)<br>C: 2.59" (65.71) |
| **90˚ Flat Elbow**<br>For right angle turns on same surface. | Ivory<br>White | **HBL511IV**<br>**HBL511W**<br>A: 2.68" (68.13)<br>B: .61" (15.50)<br>C: 2.68" (68.13) | **HBL711IVA**<br>**HBL711WA**<br>A: 2.68" (68.13)<br>B: .90" (22.86)<br>C: 2.68" (68.13) |
| **45° Flat Elbow**<br>For diagonal 45° turns on same surface. | Ivory<br>White | **HBL512IV**<br>—<br>A: 2.46" (62.61)<br>B: .58" (14.73)<br>C: 2.46" (62.61) | **HBL712IVA**<br>—<br>A: 2.70" (68.49)<br>B: .91" (23.06)<br>C: 2.70" (68.49) |

| Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|
| **Internal Elbow Bend Radius**<br>For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>White | **HBL5717BRIVA**<br>—<br>A: 3.33" (84.51)<br>B: .91" (23.11)<br>C: 3.33" (84.51) |
| **External Elbow Bend Radius**<br>For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>White | **HBL5718BRIVA**<br>—<br>A: 4.86" (123.43)<br>B: .78" (19.80)<br>C: 1.35" (34.28) |
| **Flat Elbow Bend Radius**<br>For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>White | **HBL5711BRIVA**<br>—<br>A: 3.16" (80.34)<br>B: .91" (23.11)<br>C: 3.16" (80.34) |
| **Internal Twisted Elbows**<br>For 90° twist with 90° turn. For double turn at right angles from one to another. From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim. | Ivory<br>White<br><br>Ivory<br>White | Right Elbow<br>**HBL5711RHIVA**<br>**HBL5711RHWA**<br><br>Left Elbow<br>**HBL5711LHIVA**<br>**HBL5711LHWA**<br>A: 2.98" (75.72)<br>B: .94" (23.75)<br>C: 3.00" (76.20) |

### Tees

| Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|
| **Tee Fitting**<br>For branches at right angles. | Ivory<br>White | **HBL5715IVA**<br>**HBL5715WA**<br>A: 3.06" (77.67)<br>B: 1.14" (28.86)<br>C: 3.03" (76.96) |

| Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|
| **Tee Fitting Bend Radius**<br>For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>White | **HBL5715BRIVA**<br>—<br>A: 5.55" (140.88)<br>B: .90" (22.86)<br>C: 3.16" (80.34) |

### Fittings

| Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|
| **Support Clip**<br>For supporting lengths of HBL500, HBL700 or HBL750 Raceway. | Ivory<br>White | **HBL5703IV**<br>**HBL5703W**<br>A: 2.51" (63.75) |

| Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|
| **Flexible Section**<br>For getting around offsets, side bends, twisted turns or curved surfaces. | Ivory<br>White | **HBL5700FIVA**<br>**HBL5700FWA**<br>A: 18.00" (457.20) |

*Dimensions in Inches (mm)*

## HBL500, HBL700 and HBL750 Series

### End Fittings

| Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|
| **Entrance Connector**<br>One ¾ in. KO for panel or conduit connection. One ¾ in. chase nipple and locknut furnished. | Ivory<br>White | **HBL5786AIVA**<br>**HBL5786AWA**<br>A: 1.50" (38.10)<br>B: 1.84" (46.74)<br>C: 3.89" (98.87) |
| **Adjustable Offset Connector**<br>Two ½ in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One ½ in. chase nipple and locknut furnished. | Ivory<br>White | **HBL5786IVA**<br>**HBL5786WA**<br>A: 1.50" (38.10)<br>B: 1.84" (46.74)<br>C: 3.89" (98.87) |
| **Elbow Box Connector**<br>For connecting raceway at right angles to conduit boxes, panel boxes, etc. having ½ in. nipple for trade size conduit. | Ivory<br>White | **HBL5783IVA**<br>—<br>A: 2.13" (54.05)<br>B: 1.24" (31.50) |
| **Elbow Conduit Connector**<br>For connecting raceway at right angles to ½ in. trade size conduit or armored cable connectors. | Ivory<br>White | **HBL5784IVA**<br>—<br>A: 2.13" (54.05)<br>B: 1.24" (31.50) |
| **Combination Connector**<br>For connecting raceway without offsetting to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for ½ in. trade size conduit. Spring steel bushing eliminates need for conduit nipple and locknut. | Ivory<br>White | **HBL5785AIVA**<br>**HBL5785AWA**<br>A: 1.50" (38.10)<br>B: 1.84" (46.74)<br>C: 3.89" (98.87) |
| **Corner Box**<br>For connecting HBL500, HBL700 or HBL750 Raceway from ceiling or corner. Each leg of base has ½ in. trade size KO. | Ivory<br>White | **HBL5719IVA**<br>**HBL5719WA**<br>A: 2.50" (63.50)<br>B: 2.50" (63.50)<br>C: 2.40" (60.96) |

### Fittings

| Description | Color | HBL500 Series | HBL700 Series | HBL750 Series |
|---|---|---|---|---|
| **Transition Fitting**<br>For transitioning from either Wiremold® V500 to Hubbell HBL500 Raceway or Wiremold® V700 to Hubbell HBL700 Raceway or Hubbell HBL750 Raceway. | Ivory<br>White | **HBL500TFIV**<br>—<br>A: .65" (16.51)<br>B: .89" (22.61)<br>C: 2.15" (54.61) | **HBL700TFIV**<br>—<br>A: .78" (19.80)<br>B: .89" (22.61)<br>C: 2.15" (54.61) | **HBL750TFIV**<br>—<br>A: .98" (24.89)<br>B: .89" (22.61)<br>C: 2.15" (54.61) |
| **Mounting Strap** (one- or two-hole)<br>For mounting HBL500, HBL700 or HBL750 Raceway to surface. Convert to one-hole by breaking off at score. | Ivory<br>White | **HBL504IV**<br>**HBL504W**<br>A: .58" (14.73)<br>B: .50" (12.70) | **HBL7004IV**<br>**HBL7004W**<br>A: .70" (17.68)<br>B: .50" (12.70) | **HBL7504IV**<br>**HBL7504W**<br>A: .90" (22.86)<br>B: .50" (12.70) |
| **Connection Cover**<br>To cover potential openings where two lengths of like raceways come together. | Ivory<br>White | **HBL506IV**<br>**HBL506W**<br>A: .60" (15.24)<br>B: .80" (20.31) | **HBL7006IV**<br>**HBL7006W**<br>A: .69" (17.40)<br>B: .80" (20.31) | **HBL7506IV**<br>**HBL7506W**<br>A: .91" (23.10)<br>B: .80" (20.31) |
| **Bushing**<br>Protect wires from potential abrasion. Fits into end of HBL500, HBL700 or HBL750 Raceway. | Steel* | **HBL502B**<br>A: .35" (8.83)<br>B: .70" (17.68) | **HBL7002B**<br>A: .49" (12.50)<br>B: .78" (19.80) | **HBL7502B**<br>A: .60" (15.24)<br>B: .70" (17.68) |

*Note: *Zinc Plated Steel.*

*Wiremold® is a registered trademark of the Wiremold Company.*

*Dimensions in Inches (mm)*

## HBL500, HBL700 and HBL750 Series

### Fittings

| Description | Material | HBL500, HBL700 & HBL750 Series | | Description | Material | HBL500, HBL700 & HBL750 Series |
|---|---|---|---|---|---|---|
| **Box Connector**<br>For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings. | Steel* | **HBL5781**<br>½" NPT (13) Male<br>A: .75" (19.1)<br>B: 1.24" (31.62) | **HBL5781A**<br>¾" NPT (19) Male<br>A: .75" (19.1)<br>B: 1.24" (31.62) | **½ in. EMT Connector**<br>For connecting raceway to conduit boxes or panel boxes having KO for conduit. | Steel* | **HBL5791**<br>A: 1.20" (30.48)<br>B: 1.09" (27.70) |
| **Conduit Connector**<br>For connecting raceway to conduit. | Steel* | **HBL5782C**<br>½" NPT (13) Female<br>A: .75" (19.1)<br>B: 1.75" (44) | **HBL5782A**<br>¾" (19.1) Female<br>A: .75" (19.1)<br>B: 1.75" (44) | **Coupling**<br>For joining and supporting lengths of HBL500, HBL700 or HBL750 Raceway. | Steel** | **HBL5701C**<br>A: 2.00" (50.80) |
| **Grounding Clamp**<br>Provides grounding means for ½ in. trade size conduit using locknut. | Steel** | **HBL5709GC**<br>A: 1.04" (26.03)<br>B: 1.18" (29.84) | | **Ground Clamp**<br>Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code. | Steel** | **HBL5709**<br>A: 2.00" (50.80) |
| **Special Nipple**<br>For hanging or connecting either .375 in. (9.5) or .5 in. (12.7) fixtures to Hubbell fittings with ½ in. trade size KOs. | Steel* | **HBL5780**<br>A: .63" (16.00) | | **Armored Cable Connector**<br>For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500, HBL700 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to ½ in. (12.7) flex conduit. | Steel** | **HBL5790B**<br>A: 2.00" (50.80)<br>B: .99" (25.25) |

*Note: *Zinc Plated Steel.*
***Galvanized Steel.*

### Tools

| Description | HBL500 Series | HBL700 Series | HBL750 Series | Description | Color | HBL500, HBL700 & HBL750 Series |
|---|---|---|---|---|---|---|
| **Cutter**<br>Portable cutter for HBL500, HBL700 or HBL750 Series Raceways. | **HBL605CUT** | **HBL700CUT** | **HBL607CUT** | **Raceway Bender**<br>Portable bender for HBL500, HBL700 or HBL750 Series Raceways. | | **HBL600B** |
| **Cutter Replacement Blade** | **HBL605K** | **HBL700K** | **HBL607K** | **Touch-Up Paint Pen** | Ivory White | **HBLIWEP**<br>**HBLWWEP** |

*Dimensions in Inches (mm)*

## Products at a Glance



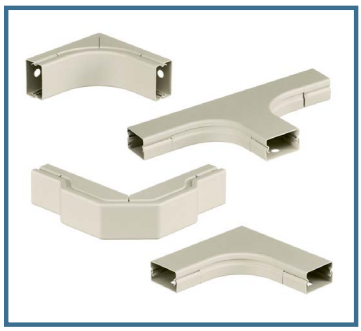
**HBL2000A Raceway**

- Cover is 0.040 in. (1.016) thick which allows up to 600V AC
- Higher capacity power applications (up to 26 #12 AWG wires)
- Available in cover only or base and cover options



**Innovative Box Design**

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
  See page S-45 for selection



**Bend Radius Fittings**

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications



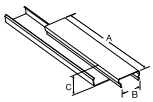
**Metal PlugTrak® Featuring Exclusive Receptacle Design**

- Gray or ivory scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBL2000 Series Metal Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant and USB versions available

## HBL2000 and HBL2000A Series

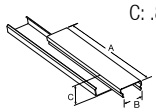
### HBL2000 Series

| Description | Color | Catalog Number |
|---|---|---|
| **Base and Cover (300V Rated)**<br>Cover is 0.025 in. (0.635) thick up to 300V AC applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL2000BCIV**<br>**HBL2000BCGY**<br>A: 60.00" (1,524.00)<br>B: 1.31" (33.27)<br>C: .83" (21.08) |

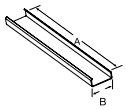

### HBL2000A Series

| Description | Color | Catalog Number |
|---|---|---|
| **Base and Cover (600V Rated)**<br>Cover is 0.040 in. 1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL2000BCAIV**<br>**HBL2000BCAGY**<br>A: 60.00" (1,524.00)<br>B: 1.31" (33.27)<br>C: .83" (21.08) |

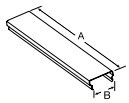




### Base and Cover

| Description | Color | Catalog Number |
|---|---|---|
| **5 Ft. Base Only**<br>For use with HBL2000 and HBL2000A raceway. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL2000B5IV**<br>**HBL2000B5GY**<br>A: 60.00" (1,524.00)<br>B: 1.31" (33.27) |

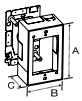




| Description | Color | Catalog Number |
|---|---|---|
| **5 Ft. Cover Only (300V Rated)**<br>Cover is 0.025 in. (0.635) thick. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL2000CIV**<br>**HBL2000CGY**<br>A: 60.00" (1,524.00)<br>B: 1.31" (33.27) |
| **5 Ft. Cover Only (600V Rated)**<br>Cover is 0.040 in. (1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL2000CAIV**<br>**HBL2000CAGY**<br>A: 60.00" (1,524.00)<br>B: 1.31" (33.27) |

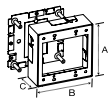




### Device Boxes

| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Device Box**<br>For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box. | Ivory<br>Gray | **HBL2048IV**<br>**HBL2048GY**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.75" (44.45) |

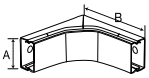




| Description | Color | Catalog Number |
|---|---|---|
| **2-Gang Device Box**<br>For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box. | Ivory<br>Gray | **HBL20482IV**<br>**HBL20482GY**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.75" (44.45) |

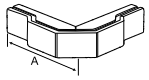




### Elbows

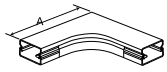
| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow Bend Radius**<br>For inside surface at right angles requiring a 1.5" (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Gray | **HBL2017BRIV***<br>**HBL2017BRGY***<br>A: .85" (21.56)<br>B: 3.47" (88.11) |


| Description | Color | Catalog Number |
|---|---|---|
| **External Elbow Bend Radius**<br>For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Gray | **HBL2018BRIV***<br>**HBL2018BRGY***<br>A: 5.11" (129.72) |

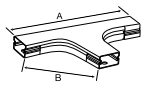




| Description | Color | Catalog Number |
|---|---|---|
| **Flat Elbow Bend Radius**<br>For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Gray | **HBL2011BRIV***<br>**HBL2011BRGY***<br>A: 4.29" (109.03) |


### Tees

| Description | Color | Catalog Number |
|---|---|---|
| **Tee Fitting Bend Radius**<br>For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Gray | **HBL2015BRIV***<br>**HBL2015BRGY***<br>A: 7.35" (186.78)<br>B: 4.33" (110.00) |


*Note: *HBL2001C couplings included.*
***Galvanized Steel.*

*Dimensions in Inches (mm)*

## HBL2000 and HBL2000A Series

### End Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Transition Fitting**<br>For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway. | Ivory<br>Gray | **HBL2000TFIV**<br>**HBL2000TFGY**<br>A: .82" (20.71)<br>B: 1.38" (35.12)<br>C: 2.04" (51.82) |
| **Blank End Fitting**<br>For closing open end of HBL2000 Raceway. | Ivory<br>Gray | **HBL2010BIV**<br>**HBL2010BGY**<br>A: .78" (19.94) |
| **End Reducing Connector**<br>For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway. | Ivory | **HBL2089EIV**<br>A: .78" (19.81) |

| Description | Color | Catalog Number |
|---|---|---|
| **Entrance End Fitting**<br>For connecting HBL2000 Raceway with one ½ in. conduit and armored cable connectors. | Ivory<br>Gray | **HBL2010A2IV**<br>**HBL2010A2GY**<br>A: 3.01" (76.45)<br>B: 1.30" (33.02)<br>C: 1.49" (37.85) |
| **Large Capacity Entrance End Fitting**<br>Offers larger capacity than HBL2010A2IV/GY. One ½ in. trade size KO on each side, ½ in. and ¾ in. concentric KOs on end and bottom. | Ivory<br>Gray | **HBL2010A3IV**<br>**HBL2010A3GY**<br>A: 3.69" (93.80)<br>B: 2.02" (51.18)<br>C: 1.79" (45.36) |
| **Side Reducing Connector**<br>For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway. | Ivory | **HBL2089IV***<br>A: 6.00" (152.40)<br>B: 3.25" (82.55) |

### Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Cover Clip**<br>Use to cover potential openings where two pieces of HBL2000 Raceway cover come together. | Ivory<br>Gray | **HBL2006IV**<br>**HBL2006GY**<br>A: .75" (19.05) |
| **Wire Clip**<br>For holding conductors in place in the raceway base. For use with HBL2000CIV/GY cover only. | Steel** | **HBL2000WC**<br>A: .44" (11.18)<br>B: .24" (6.03)<br>C: 1.24" (31.50) |
| **Coupling**<br>For joining lengths of HBL2000 Raceway. | Steel** | **HBL2001C**<br>A: 2.00" (50.80) |
| **Ground Clamp**<br>For connection of equipment grounding conductor to provide an additional ground to raceway. Galvanized steel. | Steel** | **HBL2009GC**<br>A: 1.00" (25.64) |

| Description | Color | Catalog Number |
|---|---|---|
| **Flush Plate Adaptor**<br>For feeding HBL2000 Raceway from an existing wall outlet. ½ in. threaded stud with steel locknut for grounding. | Ivory<br>Gray | **HBL2051HIV**<br>**HBL2051HGY**<br>A: 4.50" (114.30) |
| **Wire Clip**<br>For holding conductors in place in the raceway base. For use with HBL2000CAIV/GY cover only. | Steel** | **HBL2000WCA**<br>A: .44" (11.18)<br>B: .60" (15.17)<br>C: 1.24" (31.50) |
| **Supporting Clip**<br>For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening. | Steel** | **HBL2003SC**<br>A: 2.00" (50.80) |

*Note: *HBL2001C couplings included.*
***Galvanized Steel.*

### Tools

| Description | Catalog Number |
|---|---|
| **Cutter**<br>Portable cutter for HBL2000 Series Raceway. (Not for use with HBL2000A series). | **HBL620C** |
| **Cutter Replacement Blade Set** | **HBL620BCK** |

| Description | Color | Catalog Number |
|---|---|---|
| **Touch-Up Paint Pen** | Ivory<br>Gray | **HBLIWEP**<br>**HBLGWEP** |

*Wiremold® is a registered trademark of the Wiremold Company.*

*Dimensions in Inches (mm)*

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## Metal PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.





USB



Tamper-Resistant

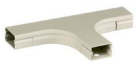
| | Amp Circuits | Single Recept. | USB Ports | Receptacle Spacing (in.) | Ivory | Gray |
|---|---|---|---|---|---|---|
| 3 Foot | 15 Single | 6 | — | 6 | **HBL20GB306IV** | **HBL20GB306GY** |
| | 15 IG/Single | 6 | — | 6 | **HBL20IG306IV** | **HBL20IG306GY** |
| | 15 TR/Single | 6 | — | 6 | **HBL20GB306IVTR** | **HBL20GB306GYTR** |
| | 15 USB/Single | 2 | 2 | 12 | **HBL20GB312UIV** | — |
| | 20 Single | 6 | — | 6 | **HBL24GB306IV** | **HBL24GB306GY** |
| | 20 TR/Single | 6 | — | 6 | **HBL24GB306IVTR** | **HBL24GB306GYTR** |
| 5 Foot | 15 Single | 10 | — | 6 | **HBL20GB506IV** | **HBL20GB506GY** |
| | 15 Single | 5 | — | 12 | **HBL20GB512IV** | **HBL20GB512GY** |
| | 15 Two | 5 | — | 12 | **HBL20GBA512IV** | **HBL20GBA512GY** |
| | 15 IG/Single | 5 | — | 12 | **HBL20IG512IV** | **HBL20IG512GY** |
| | 15 TR/Single | 5 | — | 12 | **HBL20GB512IVTR** | **HBL20GB512GYTR** |
| | 20 Single | 10 | — | 6 | **HBL24GB506IV** | **HBL24GB506GY** |
| | 20 Single | 5 | — | 12 | **HBL24GB512IV** | **HBL24GB512GY** |
| | 20 Two | 5 | — | 12 | **HBL24GBA512IV** | **HBL24GBA512GY** |
| | 20 TR/Single | 5 | — | 12 | **HBL24GB512IVTR** | **HBL24GB512GYTR** |
| 6 Foot | 15 Single | 12 | — | 6 | **HBL20GB606IV** | **HBL20GB606GY** |
| | 15 Single | 8 | — | 9 | **HBL20GB609IV** | **HBL20GB609GY** |
| | 15 Single | 6 | — | 12 | **HBL20GB612IV** | **HBL20GB612GY** |
| | 15 Single | 4 | — | 18 | **HBL20GB618IV** | **HBL20GB618GY** |
| | 15 Two | 8 | — | 9 | **HBL20GBA609IV** | **HBL20GBA609GY** |
| | 15 Two | 6 | — | 12 | **HBL20GBA612IV** | **HBL20GBA612GY** |
| | 15 Two | 4 | — | 18 | **HBL20GBA618IV** | **HBL20GBA618GY** |
| | 15 IG/Single | 12 | — | 6 | **HBL20IG606IV** | **HBL20IG606GY** |
| | 15 USB/Single | 4 | 4 | 12 | **HBL20GB612UIV** | — |
| | 20 Single | 12 | — | 6 | **HBL24GB606IV** | **HBL24GB606GY** |
| | 20 Single | 6 | — | 12 | **HBL24GB612IV** | **HBL24GB612GY** |
| | 20 Single | 4 | — | 18 | **HBL24GB618IV** | **HBL24GB618GY** |
| | 20 Two | 6 | — | 12 | **HBL24GBA612IV** | **HBL24GBA612GY** |
| | 20 Two | 4 | — | 18 | **HBL24GBA618IV** | **HBL24GBA618GY** |



| | Amp Circuits | Length (in.) | Cord Length (ft.) | Single Recept. | USB Ports | Ivory | Gray |
|---|---|---|---|---|---|---|---|
| Portable | 15 Single | 40 | 6 | 6 | — | **HBL20C215IV** | **HBL20C215GY** |
| | 15 USB/Single | 40 | 6 | 4 | 2 | **HBL20C215UIV** | — |
| | 15 Single | 64 | 6 | 10 | — | **HBL20C315IV** | **HBL20C315GY** |

*Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.*
*Hubbell Metal PlugTrak is supplied with two HBL2010BIV/GY blank end fittings and one HBL2001C coupling. Catalog number suffix "IV" for ivory finish and "GY" for gray finish. Outlets match raceway color. "IG" Isolated ground receptacles have orange triangles. Portable PlugTrak includes 15A circuit breaker.*

*Dimensions in Inches (mm)*

| | Description | Color | Catalog Number |
|---|---|---|---|
| Boxes | 1-Gang Device Box  | Ivory<br>Gray | **HBL2048IV**<br>**HBL2048GY** |
| | 2-Gang Device Box  | Ivory<br>Gray | **HBL20482IV**<br>**HBL20482GY** |
| Elbows and Tees | External Elbow  | Ivory<br>Gray | **HBL2018BRIV**<br>**HBL2018BRGY** |
| | Flat Elbow  | Ivory<br>Gray | **HBL2011BRIV**<br>**HBL2011BRGY** |
| | Tee  | Ivory<br>Gray | **HBL2015BRIV**<br>**HBL2015BRGY** |
| End Fittings | Entrance End Fitting  | Ivory<br>Gray | **HBL2010A2IV**<br>**HBL2010A2GY** |
| | Large Entrance End Fitting  | Ivory<br>Gray | **HBL2010A3IV**<br>**HBL2010A3GY** |
| | Blank End Fitting  | Ivory<br>Gray | **HBL2010BIV**<br>**HBL2010BGY** |
| Fittings | Cover Clip  | Ivory<br>Gray | **HBL2006IV**<br>**HBL2006GY** |
| | Supporting Clip  | Steel** | **HBL2003SC*** |
| | Coupling  | Steel** | **HBL2001C** |
| | Internal Corner Coupling  | Steel** | **HBL2017TC** |

*Note: *Support clip HBL2003SC for supporting Portable Metal PlugTrak only.*
***Galvanized Steel.*
*See pages S-10 and S-11 for additional information.*

## Products at a Glance



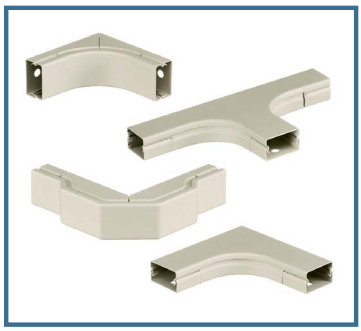
**HBL2400 and HBL2400D Raceway**

- Increased capacity, over HBL2000 Series Raceway
- Divided base allows for dual services within one raceway profile



**Innovative Box Design**

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available
See page S-45 for selection



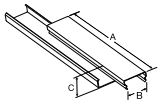
**Bend Radius Fittings**

- 1½ in. (38.10) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications

## HBL2400 and HBL2400D Series

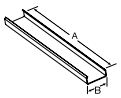
### HBL2400 Series

| Description | Color | Catalog Number |
|---|---|---|
| **Undivided Base and Cover**<br>Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory | **HBL2400BCIV**<br>A: 60.00" (1,524.00)<br>B: 1.91" (48.51)<br>C: .88" (22.40) |

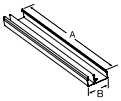

### HBL2400 Series Base and Cover

| Description | Color | Catalog Number |
|---|---|---|
| **10 Ft. Base, Undivided**<br>Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths. | Ivory | **HBL2400B10IV**<br>A: 120.00" (3,048.00)<br>B: 1.91" (48.51) |
| **5 Ft. Base, Undivided**<br>Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory | **HBL2400BIV**<br>A: 60.00" (1,524.00)<br>B: 1.91" (48.51) |

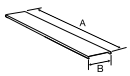



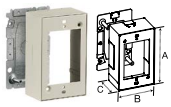
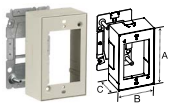
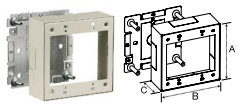
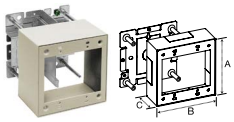

### HBL2400D Series Base and Cover

| Description | Color | Catalog Number |
|---|---|---|
| **10 Ft. Base, Divided**<br>Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths. | Ivory | **HBL2400BDIV**<br>A: 120.00" (3,048.00)<br>B: 1.91" (48.51) |


| Description | Color | Catalog Number |
|---|---|---|
| **5 Ft. Cover**<br>Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. | Ivory | **HBL2400CIV**<br>A: 60.00" (1,524.00)<br>B: 1.89" (48.00) |

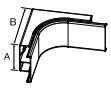






### Device Boxes

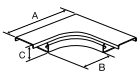
| Description | Color | Type | 1-Gang Standard | 1-Gang Extra Deep | 2-Gang Standard | 2-Gang Extra Deep |
|---|---|---|---|---|---|---|
| **Device Box**<br>For deep switches and receptacles. Base has one ½ in. trade size KO and rectangular KO for extension to wall box. | Ivory<br>Ivory | Divided<br>Undivided | —<br>**HBL2448IVA**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.75" (44.45) | **HBL2444DIVA**<br>**HBL2444IVA**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 2.75" (69.85) | —<br>**HBL24482IV**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.75" (44.45) | **HBL2444D2AIV**<br>**HBL24442IV**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 2.75" (69.85) |

### Elbows and Tees

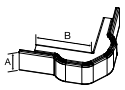
| Description | Color | Type | Catalog Number |
|---|---|---|---|
| **Internal Elbow Bend Radius**<br>For inside surfaces at right angles, requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2417DFOIV***<br>**HBL2417IV****<br>A: 1.91" (48.51)<br>B: 3.60" (91.30) |

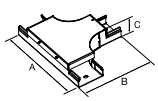

| Description | Color | Type | Catalog Number |
|---|---|---|---|
| **90˚ Flat Elbow Bend Radius**<br>For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2411DFOIV***<br>**HBL2411IV****<br>A: 6.00" (152.40)<br>B: 5.00" (127.00)<br>C: .90" (22.86) |


| Description | Color | Type | Catalog Number |
|---|---|---|---|
| **External Elbow Bend Radius**<br>For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2418DFOIV***<br>**HBL2418IV****<br>A: 1.91" (48.51)<br>B: 3.83" (97.28) |


| Description | Color | Type | Catalog Number |
|---|---|---|---|
| **Tee Fitting Bend Radius**<br>For branches at right angles. Suitable for Category 5, 5e, 6 and 6A applications. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2415DFOIV***<br>**HBL2415IV****<br>A: 7.30" (185.42)<br>B: 4.99" (126.75)<br>C: 1.44" (36.58) |


*Note: *HBL2401DC couplings included.*
***HBL2401C couplings included.*

*Dimensions in Inches (mm)*

## HBL2400 and HBL2400D Series

### End Fittings

| Description | Color | Type | Catalog Number |
|---|---|---|---|
| **Entrance End Fitting**<br>End fitting with ½ in. and ¾ in. concentric trade size KOs on end and bottom. Additional ½ in. trade size KOs on sides. | Ivory<br>Ivory | Divided<br>Undivided | —<br>**HBL2410CIV**<br>A: 3.69" (93.8)<br>B: 2.02" (51.2)<br>C: 1.79" (45.4) |
| **Entrance End Fitting**<br>For connecting HBL2400 Raceway with one ½ in. conduit and armored cable connectors. | Ivory<br>Ivory | Divided<br>Undivided | —<br>**HBL2410AIV**<br>A: 1.16" (29.50)<br>B: 1.89" (49.00)<br>C: 1.66" (42.20) |
| **Transition Fitting**<br>For transitioning from Wiremold® 2400D/2400 Raceway to Hubbell HBL2400/HBL2400D Raceway. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2400DTFIV**<br>**HBL2400TFIV**<br>A: 2.02" (51.31)<br>B: 1.06" (26.92) |
| **Entrance End Fitting Bend Radius**<br>Divided, bend radius end fitting to feed HBL2400 and HBL2400D Series Raceway. Includes 1 in. and ¾ in. trade size KOs on back and end. Removable divider and bend radius inserts included. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2410DFOIV**<br>—<br>A: 7.08" (179.83)<br>B: 4.72" (119.89)<br>C: 2.76" (70.10) |
| **Entrance End Fitting Full Capacity**<br>Full capacity entrance end to feed HBL2400 Series Raceway. Includes three 1 in. and ¾ in. concentric trade size KOs. | Ivory<br>Ivory | Divided<br>Undivided | —<br>**HBL2410FCIV**<br>A: 3.04" (77.23)<br>B: 2.61" (66.29)<br>C: 2.23" (56.64) |
| **Blank End Fitting**<br>For closing open end of HBL2400 Raceway. | Ivory<br>Ivory | Divided<br>Undivided | **HBL2410BDIV**<br>**HBL2410BIV**<br>A: 1.17" (29.72)<br>B: 1.96" (49.78)<br>C: .84" (21.34) |

### Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **End Reducing Connector**<br>For connecting HBL2400 Raceway to HBL2000 Raceway through end of HBL2400 Raceway. | Ivory | **HBL2420REDIV***<br>A: 3.81" (96.77)<br>B: 2.07" (52.58)<br>C: .90" (22.86) |
| **Side Reducing Connector**<br>For connecting HBL2400 Raceway to HBL500 Raceway through side of HBL2400 Raceway. | Ivory | **HBL2489IV***<br>A: 3.75" (95.25)<br>B: 1.91" (48.51)<br>C: .82" (20.83) |
| **Cover Clip**<br>Use to cover potential openings where two pieces of HBL2400 Raceway cover come together. | Ivory | **HBL2406IV**<br>A: 1.50" (38.10) |
| **Wire Clip (Plated)**<br>For holding conductors in place. | Steel** | **HBL2400WC**<br>A: 1.69" (42.93)<br>B: 1.00" (25.40)<br>C: .79" (20.00) |
| **Coupling (Plated), Divided**<br>For joining lengths of HBL2400 Raceway. | Steel** | **HBL2401DC**<br>A: 2.00" (50.80)<br>B: 1.86" (47.24) |
| **End Reducing Connector**<br>For connecting HBL4750 Raceway to HBL2400 Raceway through end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included). | Ivory | **HBL4724REDIV**<br>A: 4.75" (120.65)<br>B: 3.00" (76.20)<br>C: 1.55" (39.37) |
| **Bridge Fitting**<br>For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways. | Ivory | **HBL2475DBRIV**<br>A: 5.60" (142.24)<br>B: 2.92" (74.17)<br>C: 1.63" (41.40) |
| **Flush Plate Adaptor**<br>For feeding HBL2400 Raceway from an existing wall outlet box ½ in. trade size male nipple. Provided with locknut for grounding. | Ivory | **HBL2451HIV***<br>A: 4.50" (114.30) |
| **Ground Clamp (Plated)**<br>For connection of equipment grounding conductor to provide an additional ground to raceway. | Steel** | **HBL2409GC**<br>A: .41" (10.41) |
| **Coupling (Plated), Undivided**<br>For joining lengths of HBL2400 Raceway. | Steel** | **HBL2401C**<br>A: 2.00" (50.80)<br>B: 1.86" (47.24) |

*Note: *Only used on HBL2400 Series Undivided Raceway.*
***Galvanized Steel.*

*Wiremold® is a registered trademark of the Wiremold Company.*

*Dimensions in Inches (mm)*

## HBL2400 and HBL2400D Series

### Devices and Frames

| Description | Color | Catalog Number |
|---|---|---|
| **Receptacle Bracket and Frame**<br>For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with ISFxxAL frames found on page S-45. | Ivory | **HBL24106RRK***<br>A: 6.00" (152.40)<br>B: 2.02" (51.31) |
| **Lamp Holder**<br>Medium base lamp holder<br>660W 250V ceramic. Ivory (Cover)<br>White Ceramic (Lamp Holder). | Ivory | **HBL2426IV***<br>A: 5.00" (127.00)<br>B: 1.89" (48.01)<br>C: 1.03" (26.16) |

| Description | Color | Catalog Number |
|---|---|---|
| **Duplex Bracket and Frame**<br>For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with BR106AL and Q106AL frames found on page S-45. | Ivory | **HBL24106DRK***<br>A: 6.00" (152.40)<br>B: 2.02" (51.31) |

*Note: *Only used on HBL2400 Series Undivided Raceway.*

### Tools

| Description | Catalog Number |
|---|---|
| **Cutter**<br>Portable cutter for HBL2400/ HBL2400D Series Raceway. | **HBL624CUT** |
| **Cutter Replacement Blade Set** | **HBL624BCK** |

| Description | Color | Catalog Number |
|---|---|---|
| **Touch-Up Paint Pen** | Ivory | **HBLIWEP** |

*Dimensions in Inches (mm)*

## Products at a Glance



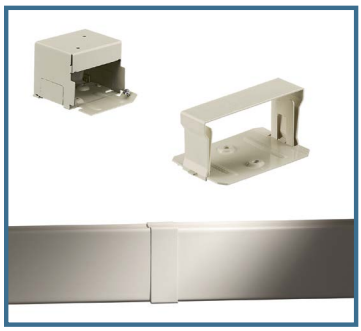
**HBL3000 Series Extensive Line**

- Full line of large, single channel, two piece metal raceway
- Easily mounts on walls or bench tops
- Large single channel base for power or datacom cables
- UL Listed and CSA Certified
- Available in ivory or gray powder coat finish



**Innovative Box Design**

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Large capacity allows for the installation of 30, 50 or 60A receptacles
- Utility box can be used as a tee, cross, junction box or as a branch circuit extension



**Transition Fittings**

- UL Classified to transition from Wiremold® 3000 Series Metal Raceway to Hubbell HBL3000 Series Metal Raceway
- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway



**Plates and Covers**

- Wide range of covers and cover plates accommodate the most demanding applications
- Removable cover and cover plates provide easy access to wiring compartment
- Precut covers and plates provide quick installation and are available in common configurations

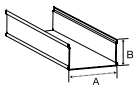
*Wiremold® is a registered trademark of the Wiremold Company.*

## HBL3000 Series

### HBL3000 Series

| Description | Color | Catalog Number |
|---|---|---|
| **Single Channel Base**<br>Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths.<br><br>Assembled cover and base dimensions.<br>W: 2.75" (69.85)<br>H: 1.53" (38.86) | Ivory<br>Gray | **HBL3000BIV**<br>**HBL3000BGY**<br>A: 2.73" (69.34)<br>B: 1.47" (37.34) |





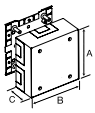

| Description | Color | Catalog Number |
|---|---|---|
| **5 Ft. Cover**<br>Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL3000CEIV**<br>**HBL3000CEGY**<br>A: 60.00" (1,524.00)<br>B: 2.75" (69.85) |

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

### Boxes

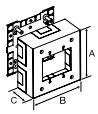
| Description | Color | Catalog Number |
|---|---|---|
| **Utility Box**<br>Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions. | Ivory<br>Gray | **HBL3028IV**<br>**HBL3028GY**<br>A: 6.41" (162.89)<br>B: 6.41" (162.89)<br>C: 1.90" (48.26) |






| Description | Color | Catalog Number |
|---|---|---|
| **2-Gang Extra Deep Switch and Receptacle Box**<br>For standard 30, 50 and 60A straight blade receptacles. | Ivory<br>Gray | **HBL30442IV**<br>**HBL30442GY**<br>A: 6.38" (162.05)<br>B: 6.38" (162.05)<br>C: 2.75" (69.85) |






### Elbows and Tees

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Corner Coupling**<br>For surfaces at right angles or for use as a straight-through fitting. | Ivory<br>Gray | **HBL3017TCEIV**<br>**HBL3017TCEGY**<br>A: 2.61" (66.29) |






| Description | Color | Catalog Number |
|---|---|---|
| **External Corner Coupling**<br>For right angle turns around external corners. | Ivory<br>Gray | **HBL3018AEIV**<br>**HBL3018AEGY**<br>A: 4.00" (101.60) |






*Dimensions in Inches (mm)*

## HBL3000 Series

### End Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Entrance End Fitting**<br>For connecting HBL3000 Raceway with ½ in. conduit and armored cable connectors. | Ivory<br>Gray | **HBL3010AEIV**<br>**HBL3010AEGY**<br>A: 2.75" (69.85)<br>B: 3.42" (86.87) |
| **Blank End Fitting**<br>For closing open end of HBL3000 Raceway. Has concentric ½ in. and ¾ in. trade size KOs. | Ivory<br>Gray | **HBL3010BIV**<br>**HBL3010BGY**<br>A: 2.71" (68.92)<br>B: 1.79" (45.36)<br>C: 1.41" (35.84) |
| **Conduit Connector**<br>To connect end of HBL3000 Raceway to 1½ in. trade size conduit or connector. | Gray | **HBL3082GY**<br>A: 2.91" (74.00)<br>B: 2.75" (69.85) |
| **Entrance End Fitting**<br>For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric ½ in., ¾ in. and 1 in. trade size KOs on end and each side. | Ivory<br>Gray | **HBL3010CIV**<br>**HBL3010CGY**<br>A: 2.75" (69.85)<br>B: 3.25" (82.55)<br>C: 2.00" (50.80) |
| **Panel Connector**<br>To connect HBL3000 Raceway with surface type boxes. | Ivory<br>Gray | **HBL3086IV**<br>**HBL3086GY**<br>A: 4.60" (116.71)<br>B: 1.19" (30.16)<br>C: 3.00" (76.20)<br>D: 1.94" (49.40)<br>E: 3.76" (95.50) |

### Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Transition Fitting**<br>For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway. | Ivory<br>Gray | **HBL3000TFIV**<br>**HBL3000TFGY**<br>A: 2.85" (72.39)<br>B: 2.15" (54.61)<br>C: 1.50" (38.04) |
| **Wall Box Connector**<br>For connecting to HBL3000 Raceway from a flush mounted wall box. | Ivory<br>Gray | **HBL3014CIV**<br>**HBL3014CGY**<br>A: 8.00" (203.20)<br>B: 3.28" (83.31) |
| **Cover Clip**<br>Use to cover potential openings where two pieces of HBL3000 Raceway come together. | Ivory<br>Gray | **HBL3006EIV**<br>**HBL3006EGY**<br>A: 2.78" (70.60)<br>B: .75" (19.05) |
| **Wire Clip (Plated)**<br>For holding conductors in place. | Steel* | **HBL3000WCGY**<br>A: 1.00" (25.40) |
| **Coupling (Plated)**<br>For joining lengths of HBL3000 Raceway. | Steel* | **HBL3001GY**<br>A: 2.20" (55.75) |
| **Take-Off Connector (Reducer)**<br>Transition Hubbell HBL3000 Raceway to Hubbell HBL2000 Raceway. | Ivory<br>Gray | **HBL3200REDIV**<br>**HBL3200REDGY**<br>A: 2.75" (69.85)<br>B: 2.25" (57.15) |
| **Tap-Off Fitting**<br>Has concentric ½ in. and ¾ in. trade size KOs and twistout for communication cables. | Ivory<br>Gray | **HBL3046H2IV**<br>**HBL3046H2GY**<br>A: 4.75" (120.65) |
| **Supporting Clip**<br>For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway. | Ivory<br>Gray | **HBL3003IV**<br>**HBL3003GY**<br>A: 2.81" (71.33)<br>B: .75" (19.05) |
| **Rigid Inside Coupling (Plated)**<br>For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead. | Steel* | **HBL3001AGY**<br>A: 6.00" (152.40) |

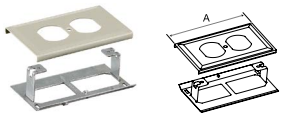
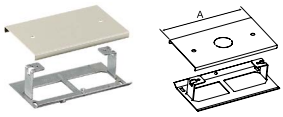
*Note: *Galvanized Steel.*

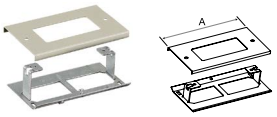
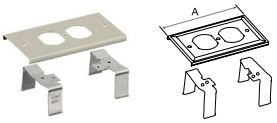
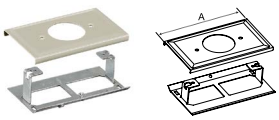
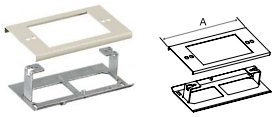
*Wiremold® is a registered trademark of the Wiremold Company.*

*Dimensions in Inches (mm)*

## HBL3000 Series

### Device Bracket and Cover Plates

| Description | Color | Catalog Number |
|---|---|---|
| **Switch Cover**<br>For installing single pole, two pole, three way or four way switches. Includes HBL3007CGY device bracket.  | Ivory<br>Gray | **HBL3040CEIV**<br>**HBL3040CEGY**<br>A: 4.50" (114.30) |
| **Duplex Receptacle Cover**<br>For installing 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes HBL3007CGY device bracket.  | Ivory<br>Gray | **HBL3043BEIV**<br>**HBL3043BEGY**<br>A: 4.50" (114.30) |
| **Single Receptacle Cover**<br>For installing straight blade and locking single receptacles with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). Includes HBL3007CGY device bracket.  | Ivory<br>Gray | **HBL3027AEIV**<br>**HBL3027AEGY**<br>A: 4.50" (114.30) |
| **Blank Cover**<br>Has one ½ in. trade size KO in center. Includes HBL3007CGY bracket.  | Ivory<br>Gray | **HBL3036HEIV**<br>**HBL3036HEGY**<br>A: 4.50" (114.30) |
| **Device Bracket**<br>For mounting standard devices in HBL3000 Raceway. Use with commercially available flush plate (not furnished).  | Steel* | **HBL3007CGY**<br>A: 4.50" (114.30)<br>B: 3.28" (83.31) |

| Description | Color | Catalog Number |
|---|---|---|
| **Rectangular Style Line® Recept. Cover**<br>For installing 15A and 20A rectangular duplex receptacles, GFCI, surge devices, and rectangular communication frames shown on page S-45. Includes HBL3007CGY device bracket.  | Ivory<br>Gray | **HBL3048RIV**<br>**HBL3048RGY**<br>A: 4.50" (114.30) |
| **Duplex Receptacle Cover**<br>For high strain/vibration. For installing 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes device brackets.  | Ivory<br>Gray | **HBL3046BEIV**<br>**HBL3046BEGY**<br>A: 5.38" (136.65) |
| **Single Receptacle Cover**<br>For installing straight blade and locking single receptacles with face diameters of 1.56 in. to 1.57 in. (39.62 to 39.88). Includes HBL3007CGY device bracket.  | Ivory<br>Gray | **HBL3033JEIV**<br>**HBL3033JEGY**<br>A: 4.50" (114.30) |
| **Extension Cover**<br>Cover accepts 3-wire 30A and 50A devices and standard commercially available flush plates. Includes HBL3007CGY device bracket. See page S-45 for plate options.  | Ivory<br>Gray | **HBL3051LEIV**<br>**HBL3051LEGY**<br>A: 4.50" (114.30) |

*Note: *Galvanized Steel.*

### Tools

| Description | Color | Catalog Number |
|---|---|---|
| **Base Cutter**<br>Portable cutter for HBL3000 Raceway Base.  | | **HBL630B** |
| **Replacement Blade Cutter and Die Set**<br>Base blade set.  | | **HBL630BDK** |
| **Touch-Up Paint Per**  | Ivory<br>Gray | **HBLIWEP**<br>**HBLGWEP** |

| Description | Catalog Number |
|---|---|
| **Cover Cutter**<br>Portable cutter for HBL3000 Raceway Cover.  | **HBL630C** |
| **Replacement Blade Cutter and Die Set**<br>Cover blade set.  | **HBL630CDK** |

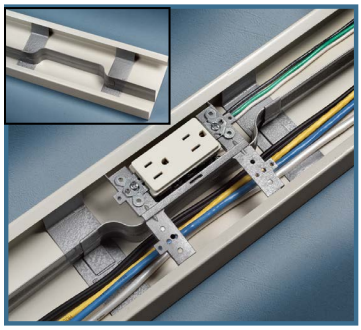
*Dimensions in Inches (mm)*

## Products at a Glance



### HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION modules and bezels
- Provides flush finish with overlap feature to hide potential miscuts



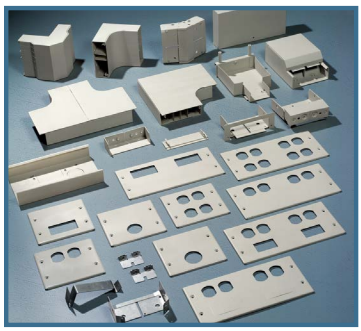
### Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split
- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel
- Greater capacity offers more room for moves, adds and changes
- 50/50 split available by utilizing standard divider and divider clips
- Raceway channel can also be used with no divider for maximum cable fill in single service applications



### End Reducing Connector

- Connects HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway
- Used to connect two different sized raceway profiles

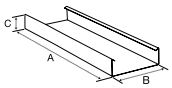


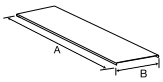
### Extensive Line

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be installed as an option
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish

## HBL4750 Series

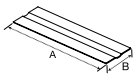
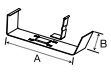
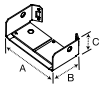
HBL4750 Series

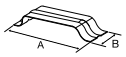
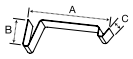
| Description | Color | Catalog Number |
|---|---|---|
| **Single Channel Base**<br>Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths.<br><br>Assembled cover and base dimensions.<br>W: 4.75" (120.65)<br>H: 1.75" (44.45)<br>  | Ivory<br>Gray | **HBL4750B10IV**<br>**HBL4750B10GY**<br>A: 120.00" (3048.00)<br>B: 4.75" (120.65)<br>C: 1.62" (41.20) |

| Description | Color | Catalog Number |
|---|---|---|
| **5 Ft. Cover**<br>Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL4750CIV**<br>**HBL4750CGY**<br>A: 60.00" (1,524.0)<br>B: 4.75" (120.65) |
| **31 In. Precut Cover***<br>For 36 in. (915.00) centers with HBL4747 and HBL4750 Plates. | Ivory<br>Gray | **HBL4750C315IV**<br>**HBL4750C315GY**<br>A: 31.50" (800.10)<br>B: 4.75" (120.65) |
| **19 In. Precut Cover***<br>For 24 in. (610.00) centers with HBL4747 and HBL4750 Plates. | Ivory<br>Gray | **HBL4750C195IV**<br>**HBL4750C195GY**<br>A: 19.50" (495.30)<br>B: 4.75" (120.65) |
| **13 In. Precut Cover***<br>For 18 in. (457.00) centers with HBL4747 and HBL4750 Plates. | Ivory<br>Gray | **HBL4750C135IV**<br>**HBL4750C135GY**<br>A: 13.50" (342.90)<br>B: 4.75" (120.65) |
| **7 In. Precut Cover***<br>For 12 in. (305.00) centers with HBL4747 and HBL4750 Plates.<br>  | Ivory<br>Gray | **HBL4750C075IV**<br>**HBL4750C075GY**<br>A: 7.50" (190.50)<br>B: 4.75" (120.65) |

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Divider**<br>Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL4751DA Divider Clips are required to hold divider in place.<br>  | Painted Steel | **HBL4750DGY**<br>A: 60.00" (1,524.0)<br>B: 1.51" (38.46) |
| **Divider Clip**<br>Required for holding HBL4750DGY in place. Use one every 2.5 ft. (.762m).<br>  | Steel** | **HBL4751DA**<br>A: 4.64" (117.77)<br>B: 1.46" (37.07) |
| **Internal Corner Coupling (Plated)**<br>Concealed fitting for making an internal corner while continuing original run in a straight line.<br>  | Steel** | **HBL4717TCAGY**<br>A: 4.59" (116.59)<br>B: 2.71" (68.73)<br>C: 1.47" (37.34) |

| Description | Color | Catalog Number |
|---|---|---|
| **By-Pass Divider**<br>Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill HBL4751DA Divider Clips are required to hold divider in place.<br>  | Painted Steel | **HBL4750BP**<br>A: 7.12" (180.74)<br>B: .89" (22.54) |
| **Wire Clip (Plated)**<br>For holding conductors in place.<br>  | Steel** | **HBL4750WCGY**<br>A: 4.60" (116.74)<br>B: 1.58" (40.13)<br>C: 1.00" (25.40) |
| **Coupling (Plated)**<br>For joining lengths of HBL4750 Raceway. Sold in pairs.<br>  | Steel** | **HBL4751AC**<br>A: 1.47" (37.30)<br>B: .42" (10.59) |

*Note: **Galvanized Steel.*

*Dimensions in Inches (mm)*

## HBL4750 Series

### Elbows

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow, Divided**<br>For inside surfaces at right angles. Full capacity 1¼ in. bend radius internal elbow. | Ivory<br>Gray | **HBL4717DFOIV***<br>**HBL4717DFOGY***<br>A: 4.74" (120.47)<br>B: 4.75" (120.65) |
| **Internal Elbow, Undivided**<br>For inside surfaces at right angles. | Ivory<br>Gray | **HBL4717IV***<br>**HBL4717GY***<br>A: 4.74" (120.47)<br>B: 4.75" (120.65) |
| **External Elbow, Divided**<br>For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow. | Ivory<br>Gray | **HBL4718DFOIV***<br>**HBL4718DFOGY***<br>A: 4.88" (123.90)<br>B: 4.75" (120.65) |
| **External Elbow, Undivided**<br>For right angle turns around external corners. | Ivory<br>Gray | **HBL4718IV***<br>**HBL4718GY***<br>A: 4.88" (123.90)<br>B: 4.75" (120.65) |
| **Flat Elbow, Divided**<br>For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow. | Ivory<br>Gray | **HBL4711DFOIV***<br>**HBL4711DFOGY***<br>A: 7.23" (183.76)<br>B: 1.62" (41.15) |
| **Flat Elbow, Undivided**<br>For right angle turns on same surface. | Ivory<br>Gray | **HBL4711IV***<br>**HBL4711GY***<br>A: 7.23" (183.76)<br>B: 1.62" (41.15) |
| **Internal or External 45º Elbow**<br>For making internal or external turns in a run of HBL4750 Raceway. | Ivory<br>Gray | **HBL4712TXIV**<br>**HBL4712TXGY**<br>A: 6.04" (153.45)<br>B: 4.59" (116.59) |
| **Inverted Internal Elbow**<br>For connecting a vertical run of HBL4750 Raceway with a horizontal run. | Ivory<br>Gray | **HBL4717NIV**<br>**HBL4717NGY**<br>A: 4.60" (116.84)<br>B: 1.66" (42.29) |

### Tees

| Description | Color | Catalog Number |
|---|---|---|
| **Tee Fitting, Divided**<br>For branches at right angles. Full capacity 1¼ in. bend radius tee fitting. | Ivory<br>Gray | **HBL4715DFOIV***<br>**HBL4715DFOGY***<br>A: 10.93" (277.63)<br>B: 7.27" (184.54)<br>C: 1.62" (41.15) |
| **Tee Fitting, Undivided**<br>For branches at right angles. | Ivory<br>Gray | **HBL4715IV***<br>**HBL4715GY***<br>A: 10.93" (277.63)<br>B: 7.27" (184.54)<br>C: 1.62" (41.15) |

*Note: *HBL4751AC couplings included.*

*Dimensions in Inches (mm)*

## HBL4750 Series

### End Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Entrance End Fitting, Divided**<br>For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in., 1¼ in. KO and removable divider. | Ivory<br>Gray | **HBL4710DFOIV***<br>**HBL4710DFOGY***<br>A: 6.76" (171.70)<br>B: 4.75" (120.65)<br>C: 2.66" (67.50) |
| **Blank End Fitting**<br>For closing open end of HBL4750 Raceway. Has two ½ in. trade size KOs. | Ivory<br>Gray | **HBL4710BIV**<br>**HBL4710BGY**<br>A: 4.59" (116.50)<br>B: 1.64" (41.60)<br>C: 1.31" (33.37) |

| Description | Color | Catalog Number |
|---|---|---|
| **Entrance End Fitting, Undivided**<br>For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. | Ivory<br>Gray | **HBL4710IV***<br>**HBL4710GY***<br>A: 6.76" (171.70)<br>B: 4.75" (120.65)<br>C: 2.66" (67.50) |
| **Panel Connector**<br>To connect HBL4750 Raceway with surface type panel boxes. | Ivory<br>Gray | **HBL4786AIV**<br>**HBL4786AGY**<br>A: 7.50" (190.50) |

### Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Transition Fitting**<br>For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway. | Ivory<br>Gray | **HBL4750TFIV**<br>**HBL4750TFGY**<br>A: 5.02" (127.53)<br>B: 2.79" (70.78) |
| **End Reducing Connector**<br>For connecting HBL4750 Raceway to HBL2400 Raceway through the end of HBL4750 Raceway. Includes HBL2401DC coupling (HBL4751AC not included). | Ivory<br>Gray | **HBL4724REDIV**<br>A: 4.75" (120.65)<br>B: 3.00" (76.20)<br>C: 1.55" (39.37) |
| **Take-Off Connector (HBL4750 To HBL3000)**<br>For 90° tee connection of HBL3000 Raceway from HBL4750 Raceway. | Ivory<br>Gray | **HBL4774AIV**<br>**HBL4774AGY**<br>A: 11.31" (287.38)<br>B: 4.88" (124.00)<br>C: 3.14" (79.78) |
| **Connection Cover**<br>For covering potential openings where two covers come together. | Ivory<br>Gray | **HBL4756AIV**<br>**HBL4756AGY**<br>A: 4.77" (121.16)<br>B: .75" (19.05)<br>C: .13" (3.36) |

| Description | Color | Catalog Number |
|---|---|---|
| **Wall Box Connector**<br>For back feeding HBL4750 Raceway. | Ivory<br>Gray | **HBL4714AIV**<br>**HBL4714AGY**<br>A: 12.00" (304.80)<br>B: 4.75" (120.65)<br>C: 1.62" (41.15) |
| **Bridge Fitting**<br>To bridge HBL4750 series raceway over perpendicular run of raceway or other obstruction. Use standard raceway base and cover, cut in field to required length. Consists of two bridge pieces. | Ivory<br>Gray | **HBL4775DKITIV**<br>**HBL4775DKITGY**<br>A: 4.76" (120.90)<br>B: 5.00" (127.00)<br>C: 3.38" (85.85) |
| **2-Gang Tap-Off Fitting**<br>Has four concentric ½ in. and ¾ in. trade size KOs. | Ivory<br>Gray | **HBL4746H2IV**<br>**HBL4746H2GY**<br>A: 4.75" (120.65)<br>B: 4.75" (120.65) |

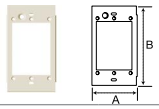
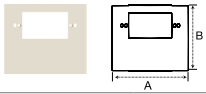
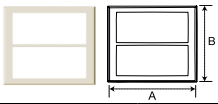
*Note: *HBL4751AC couplings included.*

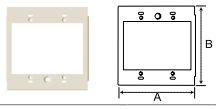
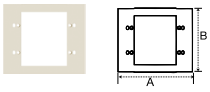
*Dimensions in Inches (mm)*

*Wiremold® is a registered trademark of the Wiremold Company.*

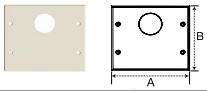
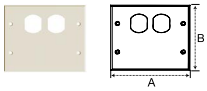
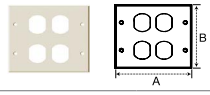
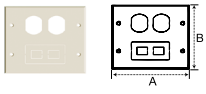
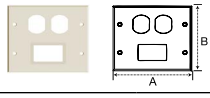
## HBL4750 Series

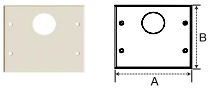
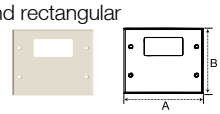
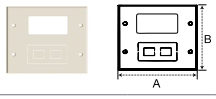
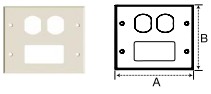
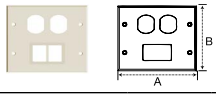
### Device Plates and Mounting Bracket

| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Commercial Device Plate Vertical Mount** Use with commercially available 1-gang flush plates. See page S-45 for plate options. For single service applications only.  | Ivory<br>Gray | **HBL4747CVMIV**<br>**HBL4747CVMGY**<br>A: 2.50" (63.50)<br>B: 4.75" (120.65) |
| **2-Gang, One Opening for 1-Gang Comm. Device Plate, One Blank** Use with commercially available 1-gang flush plates. See page S-45 for plate options.  | Ivory<br>Gray | **HBL4747C1IV**<br>**HBL4747C1GY**<br>A: 5.12" (130.18)<br>B: 4.75" (120.65) |
| **Device Mounting Bracket** Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages S-45 and S-46 for datacom product selection.  | Ivory<br>Gray | **HBL4750IV**<br>**HBL4750GY**<br>A: 5.25" (133.35)<br>B: 4.76" (120.90) |

| Description | Color | Catalog Number |
|---|---|---|
| **2-Gang Commercial Device Plate Vertical Mount** Use with commercially available 2-gang flush plates. See page S-45 for plate options. For single service applications only.  | Ivory<br>Gray | **HBL4747CVM2IV**<br>**HBL4747CVM2GY**<br>A: 4.32" (109.86)<br>B: 4.75" (120.65) |
| **2-Gang, One Opening for 2-Gang Commercial Device Plate** Use with commercially available 2-gang flush plates. See page S-45 for plate options.  | Ivory<br>Gray | **HBL4747C2IV**<br>**HBL4747C2GY**<br>A: 5.12" (130.18)<br>B: 4.75" (120.65) |

### 2-Gang Cover Plates (Include Mounting Bracket)

| Description | Color | Catalog Number |
|---|---|---|
| **2-Gang Cover, Single Round Opening, One Blank** For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00).  | Ivory<br>Gray | **HBL4747AXIV**<br>**HBL4747AXGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Duplex Opening, One Blank** For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.  | Ivory<br>Gray | **HBL4747BXIV**<br>**HBL4747BXGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, Two Duplex Openings** For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45.  | Ivory<br>Gray | **HBL4747BBIV**<br>**HBL4747BBGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Duplex Opening, One Modular Furniture** For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.  | Ivory<br>Gray | **HBL4747BFIV**<br>**HBL4747BFGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Duplex Opening, One Ortronics® Series II® Mini Adapter Bezel** For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® Series II® Mini Adapter Bezel.  | Ivory<br>Gray | **HBL4747BSIV**<br>**HBL4747BSGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |

| Description | Color | Catalog Number |
|---|---|---|
| **2-Gang, Single Round Opening, One Blank** For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).  | Ivory<br>Gray | **HBL4747JXIV**<br>**HBL4747JXGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Style Line® Opening, One Blank** For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication frames shown on page S-45.  | Ivory<br>Gray | **HBL4747RXIV**<br>**HBL4747RXGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Style Line® Opening, One Modular Furniture** For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.  | Ivory<br>Gray | **HBL4747RFIV**<br>**HBL4747RFGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Duplex Opening, One Style Line® Opening** For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.  | Ivory<br>Gray | **HBL4747BRIV**<br>**HBL4747BRGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |
| **2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel** For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics® TracJack® Mini Adapter Bezel.  | Ivory<br>Gray | **HBL4747BTIV**<br>**HBL4747BTGY**<br>A: 5.43" (137.97)<br>B: 4.75" (120.65) |

*Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

*Dimensions in Inches (mm)*

## HBL4750 Series

### 4-Gang Cover Plates (Include Mounting Bracket)

| Description | Color | Catalog Number |
|---|---|---|
| **4-Gang, Four Duplex Openings**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. | Ivory<br>Gray | **HBL47472BBBBIV**<br>**HBL47472BBBBGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |
| **4-Gang, Two Duplex Openings, Two Style Line® Openings**<br>For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. | Ivory<br>Gray | **HBL47472BBRRIV**<br>**HBL47472BBRRGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |
| **4-Gang, Two Duplex Openings, Two Modular Furniture**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two modular furniture with two keystone twistouts. | Ivory<br>Gray | **HBL47472BBFFIV**<br>**HBL47472BBFFGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |
| **4-Gang, Two Duplex Openings, Two Blanks**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two blanks. | Ivory<br>Gray | **HBL47472BBXXIV**<br>**HBL47472BBXXGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |

| Description | Color | Catalog Number |
|---|---|---|
| **4-Gang, Two Style Line® Openings, Two Blanks**<br>For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes two blanks. | Ivory<br>Gray | **HBL47472RRXXIV**<br>**HBL47472RRXXGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |
| **4-Gang, Two Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels**<br>For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® Series II® Mini Adapter Bezels. | Ivory<br>Gray | **HBL47472BBSSIV**<br>**HBL47472BBSSGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |
| **4-Gang, Two Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels**<br>For 15A and 20A duplex receptacles and duplex communication plates. Includes two Ortronics® TracJack® Mini Adapter Bezels. | Ivory<br>Gray | **HBL47472BBTTIV**<br>**HBL47472BBTTGY**<br>A: 10.22" (259.56)<br>B: 4.75" (120.65) |

### Tools

| Description | Color | Catalog Number |
|---|---|---|
| **Base Cutter**<br>Cutter for cutting base of HBL4750 Raceway. | | **HBL640B** |
| **Replacement Blade Cutter and Die Set**<br>Base blade set. | | **HBL640BDK** |
| **Touch-Up Paint Pen** | Ivory<br>Gray | **HBLIWEP**<br>**HBLGWEP** |

| Description | Catalog Number |
|---|---|
| **Cover Cutter**<br>Cutter for cutting cover of HBL4750 Raceway. | **HBL640C** |
| **Replacement Blade Cutter and Die Set**<br>Cover blade set. | **HBL640CDK** |

*Dimensions in Inches (mm)*

*Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

## Products at a Glance



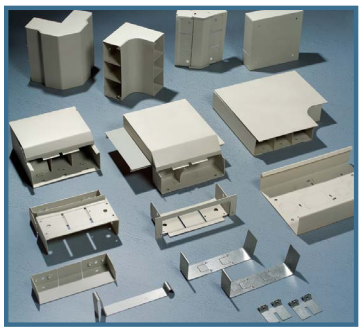
### HBL6750 Device Bracket

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION Modules and Bezels
- Provides flush finish with overlap feature to hide potential miscuts



### Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider)
- HBL6750 Series offers maximum capacity in a low profile raceway
- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel
- Low profile raceway provides a less conspicuous profile than competitive versions
- Available in 10 ft. (3m) lengths



### Unique Line of Fittings

- 1¼ in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be field installed
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish



### Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications
- Available in both three and six-gang options
- Cover plates accept wide selection of Hubbell iSTATION Modules and Bezels
- Cover plates help to conceal unsightly gaps caused by miscuts
- Precut cover options allow for 12 in. (304.80mm), 18 in. (457.20mm), 24 in. (609.60mm) and 36 in. (914.40mm) “on-center” mounting
- Open System architecture available

## HBL6750 Series

HBL6750 Series

| Description | Color | Catalog Number |
|---|---|---|
| **Single Channel Base**<br>Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths.<br><br>Assembled cover and base dimensions.<br>W: 6.75" (171.45)<br>H: 2.22" (56.39) | Ivory<br>Gray | **HBL6750B10IV**<br>**HBL6750B10GY**<br>A: 120.00" (3048.00)<br>B: 6.75" (171.45)<br>C: 2.12" (53.85) |
| **5 Ft. Cover**<br>Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths. | Ivory<br>Gray | **HBL6750CIV**<br>**HBL6750CGY**<br>A: 60.00" (1,524.0)<br>B: 6.75" (171.45) |
| **31 In. Precut Cover***<br>For 36 in. (915.00) centers with HBL6747 and HBL6750 Plates. | Ivory<br>Gray | **HBL6750C315IV**<br>**HBL6750C315GY**<br>A: 31.50" (800.10)<br>B: 6.75" (171.45) |
| **19 In. Precut Cover***<br>For 24 in. (610.00) centers with HBL6747 and HBL6750 Plates. | Ivory<br>Gray | **HBL6750C195IV**<br>**HBL6750C195GY**<br>A: 19.50" (495.30)<br>B: 6.75" (171.45) |
| **13 In. Precut Cover***<br>For 18 in. (457.00) centers with HBL6747 and HBL6750 Plates. | Ivory<br>Gray | **HBL6750C135IV**<br>**HBL6750C135GY**<br>A: 13.50" (342.90)<br>B: 6.75" (171.45) |
| **7 In. Precut Cover***<br>For 12 in. (305.00) centers with HBL6747 and HBL6750 Plates. | Ivory<br>Gray | **HBL6750C075IV**<br>**HBL6750C075GY**<br>A: 7.50" (190.50)<br>B: 6.75" (171.45) |

*Note: *Packed 10 pieces per carton. Device centers vary based on cover selection. Consult factory for details.*

Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Divider**<br>Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL6751DAGY Divider Clips are required to hold divider in place. | Painted Steel | **HBL6750DAGY**<br>A: 60.00" (1524.00)<br>B: 2.03" (51.56) |
| **Divider Clip (Plated)**<br>Required for holding HBL6750DAGY in place.<br>Use one every 2.5 ft. (.762m). | Steel** | **HBL6751DAGY**<br>A: 6.60" (167.67)<br>B: 1.97" (50.10) |
| **Internal Corner Coupling (Plated)**<br>Concealed fitting for making an internal corner while continuing original run in a straight line. | Steel** | **HBL6717TCAGY**<br>A: 6.56" (166.62)<br>B: 1.94" (49.28) |
| **Wire Clip (Plated)**<br>For holding conductors in place. | Steel** | **HBL6750WCGY**<br>A: 6.61" (167.80)<br>B: 2.09" (53.05) |
| **Coupling (Plated)**<br>For joining lengths of HBL6750 Raceway. Sold in pairs. | Steel** | **HBL6751A**<br>A: 2.00" (50.71)<br>B: .42" (10.59) |

*Note: **Galvanized Steel.*

*Dimensions in Inches (mm)*

## HBL6750 Series

### Elbows

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow, Divided**<br>For inside surface at right angles. Full capacity 1¼ in. bend radius internal elbow. | Ivory<br>Gray | **HBL6717DFOIV***<br>**HBL6717DFOGY***<br>A: 4.74" (120.47)<br>B: 6.75" (171.45) |
| **Internal Elbow, Undivided**<br>For inside surface at right angles. | Ivory<br>Gray | **HBL6717IV***<br>**HBL6717GY***<br>A: 4.74" (120.47)<br>B: 6.75" (171.45) |
| **External Elbow, Divided**<br>For right angle turns around external corners. Full capacity 1¼ in. bend radius external elbow. | Ivory<br>Gray | **HBL6718DFOIV***<br>**HBL6718DFOGY***<br>A: 5.83" (148.21)<br>B: 6.75" (171.45) |
| **External Elbow, Undivided**<br>For right angle turns around external corners. | Ivory<br>Gray | **HBL6718IV***<br>**HBL6718GY***<br>A: 5.83" (148.21)<br>B: 6.75" (171.45) |
| **Flat Elbow, Divided**<br>For right angle turns on same surface. Full capacity 1¼ in. bend radius flat elbow. | Ivory<br>Gray | **HBL6711DFOIV***<br>**HBL6711DFOGY***<br>A: 9.23" (234.45)<br>B: 6.75" (171.45)<br>C: 2.14" (54.23)<br>D: 9.83" (249.69)<br>E: 6.75" (171.45) |
| **Flat Elbow, Undivided**<br>For right angle turns on same surface. | Ivory<br>Gray | **HBL6711IV***<br>**HBL6711GY***<br>A: 9.23" (234.45)<br>B: 6.75" (171.45)<br>C: 2.14" (54.23)<br>D: 9.83" (249.69)<br>E: 6.75" (171.45) |
| **Internal or External 45º Elbow**<br>For making internal or external turns in a run of HBL6750 Raceway. | Ivory<br>Gray | **HBL6712TXIV**<br>**HBL6712TXGY**<br>A: 6.53" (165.93)<br>B: 6.56" (166.62) |
| **Inverted Internal Elbow**<br>For connecting a vertical run of HBL6750 Raceway with a horizontal run. | Ivory<br>Gray | **HBL6717NIV**<br>**HBL6717NGY**<br>A: 6.56" (166.62)<br>B: 5.13" (130.30) |

### Tees

| Description | Color | Catalog Number |
|---|---|---|
| **Tee Fitting, Divided**<br>For branches at right angles. Full capacity 1¼ in. bend radius tee fitting. | Ivory<br>Gray | **HBL6715DFOIV***<br>**HBL6715DFOGY***<br>A: 8.75" (222.25)<br>B: 6.63" (168.40)<br>C: 3.56" (90.48)<br>D: 7.92" (201.07)<br>E: 6.75" (171.45) |
| **Tee Fitting, Undivided**<br>For branches at right angles. | Ivory<br>Gray | **HBL6715IV***<br>**HBL6715GY***<br>A: 8.75" (222.25)<br>B: 6.63" (168.40)<br>C: 3.56" (90.48)<br>D: 7.92" (201.07)<br>E: 6.75" (171.45) |

*Note: *HBL6751A couplings included.*

*Dimensions in Inches (mm)*

## HBL6750 Series

### End Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Entrance End Fitting, Divided**<br>For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. Full capacity 1¼ in. bend radius entrance end fitting. Includes ¾ in., 1 in. and 1¼ in. KO and removable dividers. | Ivory<br>Gray | **HBL6710DFOIV***<br>**HBL6710DFOGY***<br>A: 6.75" (171.45)<br>B: 6.75" (171.45)<br>C: 3.18" (180.71) |
| **Blank End Fitting**<br>For closing open end of HBL6750 Raceway. Has three ½ in. trade size KOs. | Ivory<br>Gray | **HBL6710BIV**<br>**HBL6710BGY**<br>A: 6.56" (166.62)<br>B: 1.98" (50.41)<br>C: 1.33" (33.90) |

| Description | Color | Catalog Number |
|---|---|---|
| **Entrance End Fitting, Undivided**<br>For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric ¾ in., 1 in. and 1¼ in. trade size KOs on back and end. | Ivory<br>Gray | **HBL6710IV***<br>**HBL6710GY***<br>A: 6.75" (171.45)<br>B: 6.75" (171.45)<br>C: 3.18" (180.71) |
| **Panel Connector**<br>To connect HBL6750 Raceway with surface type panel boxes. | Ivory<br>Gray | **HBL6786IV**<br>**HBL6786GY**<br>A: 7.51" (190.86)<br>B: 2.00" (50.83)<br>C: 7.89" (200.37)<br>D: 2.38" (60.34) |

### Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Transition Fitting**<br>For transitioning from Wiremold® 6000 Raceway to Hubbell HBL6750 Raceway. | Ivory<br>Gray | **HBL6750TFIV**<br>**HBL6750TFGY**<br>A: 4.35" (110.42)<br>B: 6.96" (176.87) |
| **Take-Off Connector (HBL6750-HBL4750)**<br>For 90° tee connection of HBL4750 Raceway from HBL6750 Raceway. | Ivory<br>Gray | **HBL6774AIV**<br>**HBL6774AGY**<br>A: 14.36" (364.76)<br>B: 6.75" (171.45)<br>C: 11.47" (291.29)<br>D: 6.72" (170.69) |
| **Connection Cover**<br>For covering potential openings where two covers come together. | Ivory<br>Gray | **HBL6756AIV**<br>**HBL6756AGY**<br>A: 6.75" (171.45)<br>B: .59" (14.89) |

| Description | Color | Catalog Number |
|---|---|---|
| **Wall Box Connector**<br>For back feeding HBL6750 Raceway. | Ivory<br>Gray | **HBL6714AIV**<br>**HBL6714AGY**<br>A: 6.75" (171.45)<br>B: 2.14" (54.28)<br>C: 9.90" (251.46) |
| **3-Gang Tap-Off Fitting**<br>Has six concentric ½ in. and ¾ in. trade size KOs. | Ivory<br>Gray | **HBL6746HHHIV**<br>**HBL6746HHHGY**<br>A: 4.35" (110.42)<br>B: 6.96" (176.87) |

*Note: *HBL4751AC couplings included.*

*Dimensions in Inches (mm)*

*Wiremold® is a registered trademark of the Wiremold Company.*

## HBL6750 Series

### Device Plates & Mounting Bracket

| Description | Color | Catalog Number |
|---|---|---|
| **3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks**<br>Use with commercially available 1-gang flush plates. See page S-45 for plate options.   | Ivory<br>Gray | **HBL6747C1IV**<br>**HBL6747C1GY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **Device Mounting Bracket**<br>Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages S-45 and S-46 for datacom product selection.   | Ivory<br>Gray | **HBL6750IV**<br>**HBL6750GY**<br>A: 5.25" (133.35)<br>B: 6.75" (171.45) |

| Description | Color | Catalog Number |
|---|---|---|
| **3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank**<br>Use with commercially available 2-gang flush plates. See page S-45 for plate options.   | Ivory<br>Gray | **HBL6747C2IV**<br>**HBL6747C2GY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |

### 3-Gang Cover Plates (Include Mounting Bracket)

| Description | Color | Catalog Number |
|---|---|---|
| **3-Gang, One Duplex Opening, Two Blanks**<br>For 15A and 20A duplex receptacles and duplex communication plates.   | Ivory<br>Gray | **HBL6747BXXIV**<br>**HBL6747BXXGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, Three Duplex Openings**<br>For 15A and 20A duplex receptacles and duplex communication plates.   | Ivory<br>Gray | **HBL6747BBBIV**<br>**HBL6747BBBGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, One Duplex Opening, Two Style Line® Openings**<br>For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45.   | Ivory<br>Gray | **HBL6747BRRIV**<br>**HBL6747BRRGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, Two Duplex Openings, One Modular Furniture**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.   | Ivory<br>Gray | **HBL6747BBFIV**<br>**HBL6747BBFGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, Two Duplex Openings, One Ortronics® Series II® Mini Adapter Bezel**<br>For two 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Ortronics® Series II® Mini Adapter Bezel.   | Ivory<br>Gray | **HBL6747BBSIV**<br>**HBL6747BBSGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |

| Description | Color | Catalog Number |
|---|---|---|
| **3-Gang, One Single Round Opening, Two Blanks**<br>For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31).   | Ivory<br>Gray | **HBL6747AXXIV**<br>**HBL6747AXXGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, One Single Round Opening, Two Blanks**<br>For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13).   | Ivory<br>Gray | **HBL6747JXXIV**<br>**HBL6747JXXGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, One Style Line® Opening, Two Blanks**<br>For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device.   | Ivory<br>Gray | **HBL6747RXXIV**<br>**HBL6747RXXGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, Two Style Line® Openings, One Modular Furniture**<br>For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. Includes modular furniture with two keystone twistouts.   | Ivory<br>Gray | **HBL6747RRFIV**<br>**HBL6747RRFGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |
| **3-Gang, Two Duplex Openings, One Ortronics® TracJack® Mini Adapter Bezel**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Ortronics® TracJack® Mini Adapter Bezel.   | Ivory<br>Gray | **HBL6747BBTIV**<br>**HBL6747BBTGY**<br>A: 5.43" (137.97)<br>B: 6.75" (171.45) |

*Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

*Dimensions in Inches (mm)*

## HBL6750 Series

### 6-Gang Cover Plates (Include Mounting Bracket)

| Description | Color | Catalog Number |
|---|---|---|
| **6-Gang, Six Duplex Openings**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. | Ivory<br>Gray | **HBL67473BBBBBBIV**<br>**HBL67473BBBBBBGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |
| **6-Gang, Two Duplex Openings, Four Style Line® Openings**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication devices. | Ivory<br>Gray | **HBL67473BBRRRRIV**<br>**HBL67473BBRRRRGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |
| **6-Gang, Four Duplex Openings, Two Modular Furniture**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two modular furniture with two keystone twistouts. | Ivory<br>Gray | **HBL67473BBBBFFIV**<br>**HBL67473BBBBFFGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |
| **6-Gang, Four Duplex Openings, Two Blanks**<br>For four 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. | Ivory<br>Gray | **HBL67473BBBBXXIV**<br>**HBL67473BBBBXXGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |

| Description | Color | Catalog Number |
|---|---|---|
| **6-Gang, Four Style Line® Openings, Two Blanks**<br>For four Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page S-45. | Ivory<br>Gray | **HBL67473RRRRXXIV**<br>**HBL67473RRRRXXGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |
| **6-Gang, Four Duplex Openings, Two Ortronics® Series II® Mini Adapter Bezels**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two Ortronics® Series II® Mini Adapter Bezels. | Ivory<br>Gray | **HBL67473BBBBSSIV**<br>**HBL67473BBBBSSGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |
| **6-Gang, Four Duplex Openings, Two Ortronics® TracJack® Mini Adapter Bezels**<br>For 15A and 20A duplex receptacles and duplex communication frames shown on page S-45. Includes two Ortronics® TracJack® Mini Adapter Bezels. | Ivory<br>Gray | **HBL67473BBBBTTIV**<br>**HBL67473BBBBTTGY**<br>A: 10.22" (259.56)<br>B: 6.75" (171.45) |

### Tools

| Description | Color | Catalog Number |
|---|---|---|
| **Base Cutter**<br>Cutter for cutting base of HBL6750 Raceway. | | **HBL660B** |
| **Replacement Blade Cutter and Die Set**<br>Base blade set. | | **HBL660BDK** |
| **Touch-Up Paint Pen** | Ivory<br>Gray | **HBLIWEP**<br>**HBLGWEP** |

| Description | Catalog Number |
|---|---|
| **Cover Cutter**<br>Cutter for cutting cover of HBL6750 Raceway. | **HBL660C** |
| **Replacement Blade Cutter and Die Set**<br>Cover blade set. | **HBL660CDK** |

*Dimensions in Inches (mm)*

*Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

## Products at a Glance



**HBLALU2000 Series**

- Single channel aluminum raceway
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



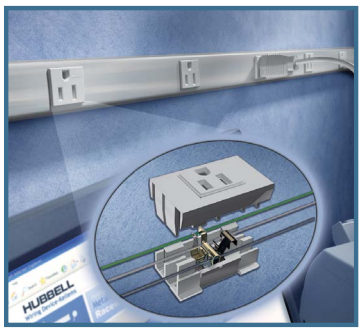
**Aluminum Boxes**

- Both in-line and standard boxes available
- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation
- Rounded corners eliminate sharp edges
- One seam construction provides “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available. See section O for selection



**Wide Selection of Fittings**

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications
- HBLALU2001 Coupling included with elbows and tee fitting



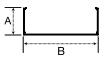
**Aluminum PlugTrak® Featuring Exclusive Receptacle Design**

- Satin anodized scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBLALU2000 Aluminum Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant versions available

## HBLALU2000 Series

### HBLALU2000 Series

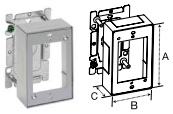
| Description | Material | Catalog Number |
|---|---|---|
| **5 Ft. Base**<br>Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths. | Anodized Aluminum | **HBLALU2000B5**<br>A: .82" (21.00)<br>B: 1.84" (46.74) |
| **10 Ft. Base**<br>Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths.<br><br>Assembled cover and base dimensions.<br>W: 1.84" (46.74)<br>H: .91" (23.11) | Anodized Aluminum | **HBLALU2000B10**<br>A: .82" (21.00)<br>B: 1.84" (46.74) |

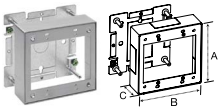



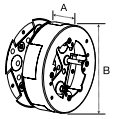

| Description | Material | Catalog Number |
|---|---|---|
| **Cover**<br>Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths. | Anodized Aluminum | **HBLALU2000C5**<br>A: 1.84" (46.74) |









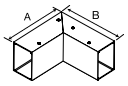

### Standard / Deep

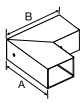
| Description | Material | 1-Gang | 2-Gang |
|---|---|---|---|
| **Device Box**<br>For standard switches and receptacles. | Anodized Aluminum | **HBLALU2047**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 1.38" (35.05) | **HBLALU20472**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 1.38" (35.05) |
| **Device Box**<br>For deep switches and receptacles. | Anodized Aluminum | **HBLALU2044**<br>A: 4.54" (115.32)<br>B: 2.82" (71.63)<br>C: 2.25" (57.15) | **HBLALU20442**<br>A: 4.54" (115.32)<br>B: 4.64" (117.86)<br>C: 2.75" (69.85) |
| Base Trade Size KOs | | 1 - ½", ¾" Concentric<br>1 - Rectangular | 1 - ½"<br>1 - Rectangular |

| Description | Material | Round Box |
|---|---|---|
| **Fixture Box with Solid Base**<br>To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). | Anodized Aluminum | **HBLALU2038**<br>A: 1.38" (35.05)<br>B: 4.93" (125.22) |

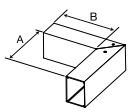
### Elbows and Tees

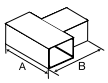
| Description | Material | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>For making a 90° internal turn in a raceway run. | Anodized Aluminum | **HBLALU2017***<br>A: 3.00" (76.20)<br>B: 3.00" (76.20) |
| **Flat Elbow**<br>For making a 90° flat turn in a raceway run. | Anodized Aluminum | **HBLALU2011***<br>A: 3.00" (76.20)<br>B: 3.00" (76.20) |


| Description | Material | Catalog Number |
|---|---|---|
| **External Elbow**<br>For making a 90° external turn in a raceway run. | Anodized Aluminum | **HBLALU2018***<br>A: 2.91" (74.04)<br>B: 2.91" (74.04) |
| **Tee Fitting**<br>For branch connections of right angles. | Anodized Aluminum | **HBLALU2015***<br>A: 4.00" (101.60)<br>B: 3.40" (86.36) |


*Note: *HBLALU2001 couplings included.*

*Dimensions in Inches (mm)*

## HBLALU2000 Series

### End Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Entrance End Fitting**<br>½ in. NPT steel fitting. | Anodized Aluminum Plate | **HBLALU2010A**<br>A: 1.84" (47.74)<br>B: .91" (23.11)<br>C: 1.51" (38.35) |
| **Blank End Fitting**<br>For closing end of raceway. | Anodized Aluminum | **HBLALU2010B**<br>A: 1.84" (46.74)<br>B: .91" (23.11) |

### Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Cover Clip**<br>Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together. | Stainless Steel | **HBLALU2006**<br>A: 1.00" (25.40) |
| **Wire Clip**<br>For holding conductors in place. | Anodized Aluminum | **HBLALU2000WC**<br>A: .44" (11.20) |
| **Flush Plate Adaptor**<br>For feeding HBL2000 Raceway from an existing wall outlet. Locknut included. | Anodized Aluminum | **HBLALU2051H**<br>A: 4.50" (114.3)<br>B: 4.50" (114.3) |
| **Coupling (Pair)**<br>For joining lengths of HBLALU2000 Raceway. | Aluminum | **HBLALU2001**<br>A: 1.67" (42.42)<br>B: 1.67" (42.42) |

### Devices and In-Line Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **In-Line Switch Fitting**<br>(Switch sold separately). | Anodized Aluminum | **HBLALU2040A**<br>A: 4.12" (104.65)<br>B: 1.84" (46.74) |
| **Ground Adapter (Plated)**<br>For connection of equipment grounding conductor to provide an additional ground to raceway. Screws included. | Steel** | **HBLALU2009**<br>A: 2.35" (59.8)<br>B: 1.18" (30.0) |
| **Supporting Clip**<br>For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening. | Stainless Steel | **HBLALU2003**<br>A: 2.00" (50.80) |

*Note: *HBLALU2001 couplings included.*
***Galvanized Steel.*

*Dimensions in Inches (mm)*

## Aluminum PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.





USB



Tamper-Resistant

| | Amp | Circuits | Single Recept. | USB Ports | Receptacle Spacing (in.) | Catalog Number |
|---|---|---|---|---|---|---|
| 3 Foot | 15 | Single | 6 | — | 6 | **HBLALU20GB306** |
| | 15 | IG/Single | 6 | — | 6 | **HBLALU20IG306** |
| | 15 | TR/Single | 6 | — | 6 | **HBLALU20GB306TR** |
| | 15 | USB/Single | 2 | 2 | 12 | **HBLALU20GB312U** |
| | 20 | Single | 6 | — | 6 | **HBLALU24GB306** |
| | 20 | IG/Single | 6 | — | 6 | **HBLALU24IG306** |
| | 20 | TR/Single | 6 | — | 6 | **HBLALU24GB306TR** |
| 5 Foot | 15 | Single | 10 | — | 6 | **HBLALU20GB506** |
| | 15 | Single | 5 | — | 12 | **HBLALU20GB512** |
| | 15 | IG/Single | 10 | — | 6 | **HBLALU20IG506** |
| | 15 | TR/Single | 5 | — | 12 | **HBLALU20GB512TR** |
| | 20 | Single | 10 | — | 6 | **HBLALU24GB506** |
| | 20 | Single | 5 | — | 12 | **HBLALU24GB512** |
| | 20 | IG/Single | 10 | — | 6 | **HBLALU24IG506** |
| | 20 | TR/Single | 5 | — | 12 | **HBLALU24GB512TR** |
| 6 Foot | 15 | Single | 12 | — | 6 | **HBLALU20GB606** |
| | 15 | Single | 6 | — | 12 | **HBLALU20GB612** |
| | 15 | Single | 4 | — | 18 | **HBLALU20GB618** |
| | 15 | Two | 12 | — | 6 | **HBLALU20GBA606** |
| | 15 | Two | 6 | — | 12 | **HBLALU20GBA612** |
| | 15 | Two | 4 | — | 18 | **HBLALU20GBA618** |
| | 15 | IG/Single | 12 | — | 6 | **HBLALU20IG606** |
| | 15 | USB/Single | 4 | 4 | 12 | **HBLALU20GB612U** |
| | 20 | Single | 12 | — | 6 | **HBLALU24GB606** |
| | 20 | Single | 6 | — | 12 | **HBLALU24GB612** |
| | 20 | Single | 4 | — | 18 | **HBLALU24GB618** |
| | 20 | Two | 12 | — | 6 | **HBLALU24GBA606** |
| | 20 | Two | 6 | — | 12 | **HBLALU24GBA612** |
| | 20 | Two | 4 | — | 18 | **HBLALU24GBA618** |
| | 20 | IG/Single | 12 | — | 6 | **HBLALU24IG606** |

*Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB.*
*Hubbell Aluminum PlugTrak is supplied with two HBLALU2010B blank end fittings and one HBLALU2001 coupling.*

| | Description | | Catalog Number |
|---|---|---|---|
| Device Boxes | Standard 1-Gang Device Box |  | **HBLALU2047** |
| | Deep 1-Gang Device Box |  | **HBLALU2044** |
| | Standard 2-Gang Device Box |  | **HBLALU20472** |
| | Deep 2-Gang Device Box |  | **HBLALU20442** |
| | Round Box |  | **HBLALU2038** |
| Elbows and Tees | External Elbow |  | **HBLALU2018** |
| | Internal Elbow |  | **HBLALU2017** |
| | Flat Elbow |  | **HBLALU2011** |
| | Tee |  | **HBLALU2015** |
| Fittings | Cover Clip |  | **HBLALU2006** |
| | Supporting Clip |  | **HBLALU2003** |
| | Coupling |  | **HBLALU2001** |
| | Entrance End Fitting |  | **HBLALU2010A** |
| | In-Line Switch Fitting |  | **HBLALU2040A** |
| | Blank End Fitting |  | **HBLALU2010B** |

*Note: See pages S-34 and S-35 for additional information.*

*Dimensions in Inches (mm)*

## Products at a Glance



**HBLALU3800 and HBLALU4800 Series**

- Single and two channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



**Split Covers**

- Single and two channel raceways utilize common cover
- Split covers allow access to one service at a time
- Common aesthetics throughout line



**Wide Selection of Fittings**

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both single and two channel versions



**Device Cover Plates**

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

Available in PRE-WIRED

UL LISTED CSA CERTIFIED

## HBLALU3800 Series

### HBLALU3800 Series

| Description | Material | Catalog Number |
|---|---|---|
| **Single Channel Base**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.<br>Assembled cover and base dimensions.<br>W: 3.00" (76.20)<br>H: 2.25" (57.15) | Anodized Aluminum | **HBLALU3800B10**<br>A: 2.10" (53.34)<br>B: 3.00" (76.20) |
| **Cover**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. | Anodized Aluminum | **HBLALUC5**<br>A: 3.00" (76.20) |

### Elbows and Tees

| Description | Material | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>For making a 90° internal turn in a raceway run. | Anodized Aluminum | **HBLALU3817***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **Inverted Internal Elbow**<br>For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up. | Anodized Aluminum | **HBLALU3817N***<br>A: 6.00" (152.40)<br>B: 5.98" (151.89) |
| **External Elbow**<br>For making a 90° external turn in a raceway run. | Anodized Aluminum | **HBLALU3818***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **Tee**<br>For branch connections of two runs of HBLALU3800 Raceway. | Anodized Aluminum | **HBLALU3815***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **Flat Elbow**<br>For making a 90° flat turn in a raceway run. | Anodized Aluminum | **HBLALU3811***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |

### End Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Entrance End Fitting**<br>For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs. | Anodized Aluminum | **HBLALU3810B1**<br>A: 3.00" (76.20)<br>B: 2.31" (58.74) |
| **Blank End Fitting**<br>For closing end of raceway. | Anodized Aluminum | **HBLALU3810B**<br>A: 3.00" (76.20)<br>B: 2.31" (58.74) |

### Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Cover Clip**<br>To cover seam where lengths of HBLALU3800 Raceway come together. | Stainless Steel | **HBLALU3806**<br>A: 1.38" (34.92) |
| **Wire Clip**<br>For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway. | Anodized Aluminum | **HBLALUWC**<br>A: 1.00" (25.40) |
| **Internal Corner Coupling**<br>For butting two raceway sections to form an internal 90° turn in a raceway run. | Anodized Aluminum | **HBLALU17A**<br>A: 4.00" (101.80)<br>B: 2.00" (50.83) |
| **Grounding Adapter**<br>For connection of equipment grounding. #10-32 Locking screws included. | Galvanized Steel | **HBLALU09**<br>A: 4.00" (101.80)<br>B: 2.00" (50.83) |
| **Couplings (Pair)**<br>To join lengths of HBLALU3800 or HBLALU4800 base. | Aluminum | **HBLALU01**<br>A: 2.85" (72.39)<br>B: 4.00" (101.80) |

*Note: *HBLALU01 couplings included.*

*See page S-40 for cover plates.*

*Dimensions in Inches (mm)*

## HBLALU4800 Series

### HBLALU4800 Series

| Description | Material | Catalog Number |
|---|---|---|
| **Two Channel Base**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.<br>Assembled cover and base dimensions.<br>W: 6.00" (152.40)<br>H: 2.25" (57.15) | Anodized Aluminum | **HBLALU4800B10**<br>A: 2.10" (53.34)<br>B: 6.00" (152.40) |
| **Cover (Single Channel)**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. | Anodized Aluminum | **HBLALUC5**<br>A: 3.00" (76.20) |

### Elbows and Tees

| Description | Material | Catalog Number |
|---|---|---|
| **Internal Elbow (Two Channel)**<br>For making a 90° internal turn in a raceway run. | Anodized Aluminum | **HBLALU4817***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **Inverted Internal Elbow (Two Channel)**<br>For connecting a vertical run of HBLALU4800 with a horizontal run with its cover facing up. | Anodized Aluminum | **HBLALU4817N***<br>A: 6.00" (152.40)<br>B: 5.98" (151.89) |
| **External Elbow (Two Channel)**<br>For making a 90° external turn in a raceway run. | Anodized Aluminum | **HBLALU4818***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **Tee (Two Channel)**<br>For branch connections of two runs of HBLALU4800 Raceway. | Anodized Aluminum | **HBLALU4815***<br>A: 9.00" (228.60)<br>B: 9.00" (228.60) |
| **Flat Elbow (Two Channel)**<br>For making a 90° flat turn in a raceway run. | Anodized Aluminum | **HBLALU4811***<br>A: 9.00" (228.60)<br>B: 9.00" (228.60) |

### End Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Entrance End Fitting (Two Channel)**<br>For feeding raceway, has two concentric ½ in. and ¾ in. trade size KOs. | Anodized Aluminum | **HBLALU4810B2**<br>A: 6.00" (152.40)<br>B: 2.31" (58.74) |
| **Blank End Fitting (Two Channel)**<br>For closing end of raceway. | Anodized Aluminum | **HBLALU4810B**<br>A: 6.00" (152.40)<br>B: 2.31" (58.74) |

### Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Cover Clip**<br>To cover seam where lengths of HBLALU4800 Raceway come together. | Stainless Steel | **HBLALU4806**<br>A: 1.38" (34.92) |
| **Wire Clip**<br>Used for holding conductors in place on raceway. Can be used for either HBLALU3800 or HBLALU4800 Raceway. | Anodized Aluminum | **HBLALUWC**<br>A: 1.00" (25.40) |
| **Internal Corner Coupling**<br>For butting two raceway sections to form an internal 90° turn in a raceway run. | Anodized Aluminum | **HBLALU17A**<br>A: 4.00" (101.80)<br>B: 2.00" (50.83) |
| **Grounding Adapter**<br>For connection of equipment grounding. #10-32 Locking screws included. | Galvanized Steel | **HBLALU09**<br>A: 4.00" (101.80)<br>B: 2.00" (50.83) |
| **Couplings (Pair)**<br>To join lengths of HBLALU3800 or HBLALU4800 base. | Aluminum | **HBLALU01**<br>A: 2.85" (72.39)<br>B: 4.00" (101.80) |

*Note: *HBLALU01 couplings included.*

*See page S-40 for cover plates.*

*Dimensions in Inches (mm)*

## HBLALU3800 and HBLALU4800 Series

**Cover Plates**

| Description | Material | Catalog Number |
|---|---|---|
| **Duplex Receptacle Cover**<br>For duplex receptacles and duplex communication frames shown on page S-45. | Anodized Aluminum | **HBLALUDR**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>**HBLALU34DRBM**<br>(Base Mounted Device) |
| **Rectangular Style Line® Cover**<br>For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page S-45. | Anodized Aluminum | **HBLALUG**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>**HBLALU34GBM**<br>(Base Mounted Device) |
| **Single Receptacle Cover**<br>For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39). | Anodized Aluminum | **HBLALUF**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>**HBLALU34FBM**<br>(Base Mounted Device) |
| **Blank Cover**<br>To cover 12 in. (305.00) section of raceway. | Anodized Aluminum | **HBLALUBL**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80) |
| **Hubbell iSTATION Cover**<br>For mounting Hubbell iSTATION Modules. For the HBLALUPB use the KPIMBZGY on page S-45 with modules from page S-46. For the HBLALULPBA use the IMF1GY on page S-46 or any IFPxxGY plates on page S-45. | Anodized Aluminum | **HBLALULPB**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>C: 1.90 (48.26)<br>D: 4.21 (106.93)<br>**HBLALULPBA**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>C: 1.90 (48.26)<br>D: 3.00" (76.20) |

| Description | Material | Catalog Number |
|---|---|---|
| **Toggle Switch Cover**<br>For single pole, two pole, three way or four way switches. | Anodized Aluminum | **HBLALUN**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>**HBLALU34NBM**<br>(Base Mounted Device) |
| **Single Receptacle Cover**<br>For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). | Anodized Aluminum | **HBLALUE**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>**HBLALU34EBM**<br>(Base Mounted Device) |
| **Single Receptacle Cover**<br>For single receptacle with face diameter of 2.13 in. (54.10). | Anodized Aluminum | **HBLALUJ**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80)<br>**HBLALU34JBM**<br>(Base Mounted Device) |
| **Ortronics® Cover Plate**<br>For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included. | Anodized Aluminum | **HBLALUABRT**<br>A: 3.00" (76.20)<br>B: 12.00" (304.80) |

### Base Mounted Device Cover Design

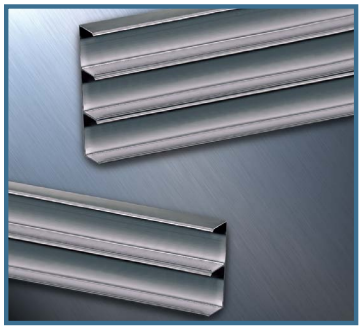
No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



*Dimensions in Inches (mm)*

*Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

## Products at a Glance



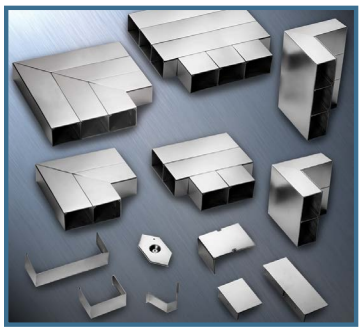
**HBLALU5000 and HBLALU7620 Series**

- Two and three channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



**Covers**

- Two and three channel raceway utilize common covers
- Available in single and dual channel cover designs
- Single covers allow access to one service at a time
- Dual channel cover fits over two channels for a seamless look
- Common aesthetics throughout line



**Wide Selection of Fittings**

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both two and three channel versions



**Compatible Cover Plates**

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

Available in PRE-WIRED

UL LISTED CSA CERTIFIED

## HBLALU5000 Series

### HBLALU5000 Series

| Description | Material | Catalog Number |
|---|---|---|
| **Two Channel Base**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.<br>Assembled cover and base dimensions.<br>W: 5.08" (129.03)<br>H: 1.75" (44.45) | Anodized Aluminum | **HBLALU5000B10**<br>A: 1.66" (42.16)<br>B: 5.08" (129.03) |
| **Cover (Single Channel)**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. | Anodized Aluminum | **HBLALUC57**<br>A: 2.54" (64.52) |

### Elbows and Tees

| Description | Material | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>For making a 90° internal turn in a raceway run. | Anodized Aluminum | **HBLALU5017***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **External Elbow**<br>For making a 90° external turn in a raceway run. | Anodized Aluminum | **HBLALU5018***<br>A: 6.00" (152.40)<br>B: 6.00" (152.40) |
| **Flat Elbow**<br>For making a 90° flat turn in a raceway run. | Anodized Aluminum | **HBLALU5011***<br>A: 9.00" (228.60)<br>B: 9.00" (228.60) |
| **Inverted Internal Elbow**<br>For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up. | Anodized Aluminum | **HBLALU5017N***<br>A: 5.91" (150.20)<br>B: 5.98" (151.89) |
| **Tee**<br>For branch connections of two runs of HBLALU5000 Raceway. | Anodized Aluminum | **HBLALU5015***<br>A: 9.00" (228.60)<br>B: 8.08" (205.30) |

### End Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Entrance End Fitting**<br>For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs. | Anodized Aluminum | **HBLALU5010B2**<br>A: 5.08" (129.10)<br>B: 1.75" (44.40) |
| **Blank End Fitting**<br>For closing end of raceway. | Anodized Aluminum | **HBLALU5010B**<br>A: 5.08" (129.10)<br>B: 1.75" (44.40) |

### Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Cover Clip**<br>To cover seam where lengths of HBLALU5000 Raceway come together. | Stainless Steel | **HBLALU5006**<br>A: 1.38" (34.92) |
| **Internal Corner Coupling**<br>For butting two raceway sections to form an internal 90° turn in a raceway run. | Anodized Aluminum | **HBLALU5717A**<br>A: 3.50" (88.90)<br>B: 2.38" (60.30) |
| **Couplings (Pair)**<br>To join lengths of HBLALU5000 or HBLALU7620 base. | Aluminum | **HBLALU5701**<br>A: 2.38" (60.30)<br>B: 4.00" (101.80) |
| **Wire Clip**<br>For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway. | Anodized Aluminum | **HBLALU57WC**<br>A: 1.00" (25.40) |
| **Grounding Adapter**<br>For connection of equipment grounding. #10-32 Locking screws included. | Galvanized Steel | **HBLALU5709**<br>A: 3.37" (85.50)<br>B: 2.00" (50.83) |

*Note: *HBLALU5701 couplings included.*
*See page S-44 for cover plates.*

*Dimensions in Inches (mm)*

## HBLALU7620 Series

### HBLALU7620 Series

| Description | Material | Catalog Number |
|---|---|---|
| **Three Channel Base**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths.<br>Assembled cover and base dimensions.<br>W: 7.62" (193.55)<br>H: 2.25" (57.15) | Anodized Aluminum | **HBLALU7620B10**<br>A: 2.16" (54.86)<br>B: 7.62" (193.55) |
| **Cover (Single Channel)**<br>Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. | Anodized Aluminum | **HBLALUC57**<br>A: 2.54" (64.52) |

### Elbow Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>For making a 90° internal turn in a raceway run. | Anodized Aluminum | **HBLALU7617***<br>A: 6.50" (165.10)<br>B: 6.50" (165.10) |
| **Inverted Internal Elbow**<br>For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up. | Anodized Aluminum | **HBLALU7617N***<br>A: 6.50" (165.10)<br>B: 5.98" (151.89) |
| **External Elbow**<br>For making a 90° external turn in a raceway run. | Anodized Aluminum | **HBLALU7618***<br>A: 5.50" (139.70)<br>B: 5.50" (139.70) |
| **Tee**<br>For branch connections of two runs of HBLALU7620 Raceway. | Anodized Aluminum | **HBLALU7615***<br>A: 9.00" (228.60)<br>B: 10.62" (269.80) |
| **Flat Elbow**<br>For making a 90° flat turn in a raceway run. | Anodized Aluminum | **HBLALU7611***<br>A: 11.54" (293.10)<br>B: 11.54" (293.10) |

### End Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Entrance End Fitting**<br>For feeding raceway, has concentric ½ in. and ¾ in. trade size KOs. | Anodized Aluminum | **HBLALU7610B2**<br>A: 7.62" (193.50)<br>B: 2.31" (58.70) |
| **Blank End Fitting**<br>For closing end of raceway. | Anodized Aluminum | **HBLALU7610B**<br>A: 7.62" (193.50)<br>B: 2.31" (58.70) |

### Fittings

| Description | Material | Catalog Number |
|---|---|---|
| **Cover Clip**<br>To cover seam where lengths of HBLALU7620 Raceway come together. | Stainless Steel | **HBLALU7606**<br>A: 1.38" (34.92) |
| **Wire Clip**<br>For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway. | Anodized Aluminum | **HBLALU57WC**<br>A: 1.00" (25.40) |
| **Internal Corner Coupling**<br>For butting two raceway sections to form an internal 90° turn in a raceway run. | Anodized Aluminum | **HBLALU5717A**<br>A: 3.50" (88.90)<br>B: 2.38" (60.30) |
| **Grounding Adapter**<br>For connection of equipment grounding. #10-32 Locking screws included. | Galvanized Steel | **HBLALU5709**<br>A: 3.37" (85.50)<br>B: 2.00" (50.83) |
| **Couplings (Pair)**<br>To join lengths of HBLALU5000 or HBLALU7620 base. | Aluminum | **HBLALU5701**<br>A: 2.38" (60.30)<br>B: 4.00" (101.80) |

*Note: *HBLALU5701 couplings included.*
*See page S-44 for cover plates.*

*Dimensions in Inches (mm)*

## HBLALU5000 and HBLALU7620 Series

Cover Plates

| Description | Material | Catalog Number |
|---|---|---|
| **Duplex Receptacle Cover**<br>For duplex receptacles and duplex communication frames shown on page S-45. | Anodized Aluminum | **HBLALU57DR**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80)<br>**HBLALU57DRBM**<br>(Base Mounted Device) |
| **Rectangular Style Line® Cover**<br>For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page S-45. | Anodized Aluminum | **HBLALU57G**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80)<br>**HBLALU57GBM**<br>(Base Mounted Device) |
| **Single Receptacle Cover**<br>For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). | Anodized Aluminum | **HBLALU57E**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80)<br>**HBLALU57EBM**<br>(Base Mounted Device) |
| **Hubbell iSTATION Cover**<br>For mounting Hubbell iSTATION modules. IMF1GY or IFPxxGY frames and plates on pages S-45 and S-46. | Anodized Aluminum | **HBLALU57LPB**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80)<br>C: 1.90 (48.26)<br>D: 3.00" (76.20) |
| **2-Gang Raised Device Box**<br>KP device plates only, found on page S-45. | Gray PVC | **HBLALU57KP2G**<br>A: 5.08" (129.10)<br>B: 7.64" (193.90) |

| Description | Material | Catalog Number |
|---|---|---|
| **Toggle Switch Cover**<br>For single pole, two pole, three way or four way switches. | Anodized Aluminum | **HBLALU57N**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80)<br>**HBLALU57NBM**<br>(Base Mounted Device) |
| **Blank Cover**<br>To cover 12 in. (305.00) section of raceway. | Anodized Aluminum | **HBLALU57BL**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80) |
| **Single Receptacle Cover**<br>For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39). | Anodized Aluminum | **HBLALU57F**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80)<br>**HBLALU57FBM**<br>(Base Mounted Device) |
| **Ortronics® Cover Plate**<br>For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included. | Anodized Aluminum | **HBLALU57ABRT**<br>A: 2.54" (64.50)<br>B: 12.00" (304.80) |

### Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



*Dimensions in Inches (mm)*

*Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.*

## Device Brackets, Plates and Frames

**1. Choose Device Mounting Bracket**

| Description | Color | HBL4750 Series | HBL6750 Series |
|---|---|---|---|
| Device Mounting Bracket for HBL4750 and HBL6750 Series Metal Raceway. | Ivory<br>Gray |  **HBL4750IV**<br>**HBL4750GY** |  **HBL6750IV**<br>**HBL6750GY** |

**2. Choose 1-Gang "KP" Plates**

| Color | | Catalog Number | | Catalog Number | | Catalog Number | | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| Almond<br>Gray |  | **KP8GY**<br>Duplex |  | **KP26GY**<br>Style Line® |  | **KP1GY**<br>Toggle |  | **KP7GY**<br>Receptacle<br>(1.41 ID) |
| Almond<br>Gray |  | **KP14GY**<br>Blank |  | **KP212GY**<br>Coax (2) |  | **KP2140GY**<br>Jack/Coax |  | **KP720GY**<br>Receptacle<br>(1.60 ID) |
| Almond<br>Gray |  | **KPORTGY**<br>Ortronics<br>Series II®<br>Data Module |  | **KPPANGY**<br>Panduit<br>Mini-Com®<br>Data Module |  | **KP2162GY**<br>Modular<br>Jacks (2) |  | **KP2163GY**<br>Modular<br>Jacks (3) |
| Almond<br>Gray |  | **KPIMBZGY**<br>3-Unit iSTATION<br>(Accepts all Hubbell iSTATION Modules located in Network Wiring section Y). | | | | | | |

**Comm. "IFP" Plates & Frames**

| Color | | Catalog Number | | Catalog Number | | Catalog Number | | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| Ivory<br>Gray |  | **ISF2EI**<br>**ISF2GY**<br>Style Line®<br>2-Port |  | **ISF3EI**<br>**ISF3GY**<br>Style Line®<br>3-Port |  | **ISF4EI**<br>**ISF4GY**<br>Style Line®<br>4-Port |  | **ISF6EI**<br>**ISF6GY**<br>Style Line®<br>6-Port |
| Ivory<br>Gray<br>Office White |  | —<br>**IFP126GY**<br>**IFP126OW**<br>Style Line® |  | —<br>—<br>**IFP18OW**<br>Duplex |  | **BR106E**<br>**BR106G**<br>Duplex<br>2-Port |  | **Q106E**<br>**Q106G**<br>Duplex<br>4-Port |
| Ivory<br>Gray |  | **IFP12EI**<br>**IFP12GY**<br>Flush<br>2-Port |  | **IFP13EI**<br>**IFP13GY**<br>Flush<br>3-Port |  | **IFP14EI**<br>**IFP14GY**<br>Flush<br>4-Port |  | **IFP16EI**<br>**IFP16GY**<br>Flush<br>6-Port |

*Note: For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices.*
*See page S-46 or section Y for additional information on datacom products.*

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*Ortronics® and Series II® are registered trademarks of Ortronics/Legrand.*

## Frame Modules and Modular Connector Fittings

### 1. Choose Plate Frame

| Description | Color | HBL4750 Series | HBL6750 Series |
|---|---|---|---|
| Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use KPIMBZOW/GY plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page S-45. See section Y for additional Hubbell iSTATION modules and datacom products. | Ivory<br>Gray |  **IMF1EI**<br>**IMF1GY** |  **IMF2EI**<br>**IMF2GY** |

*Note: Each gang accepts 3 module units.*

### 2. Choose Modules

| Color | Catalog Number | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|---|
| Ivory<br>Gray |  **IMB05EI**<br>**IMB05GY**<br>Blank Module<br>.5 Unit |  **IMB1EI**<br>**IMB1GY**<br>Blank Module<br>1 Unit |  **IMB15EI**<br>**IMB15GY**<br>Blank Module<br>1.5 Unit | |
| Ivory<br>Gray |  **IM1K1EI**<br>**IM1K1GY**<br>Modular Flat<br>1 Unit |  **IM2K1EI**<br>**IM2K1GY**<br>Modular Flat<br>1 Unit |  **IM1KA15EI**<br>**IM1KA15GY**<br>Modular Angled<br>1.5 Unit |  **IM2KA15EI**<br>**IM2KA15GY**<br>Modular Angled<br>1.5 Unit |
| Ivory<br>Gray |  **IM1SCA15EI**<br>**IM1SCA15GY**<br>SC 1 Duplex<br>Angled, 1.5 Unit |  **IM2SCA2EI**<br>**IM2SCA2GY**<br>SC 2 Duplex<br>Angled, 2 Unit |  **IM1IA15EI**<br>**IM1IA15GY**<br>Modular<br>Recessed<br>1.5 Unit |  **IM2IA15EI**<br>**IM2IA15GY**<br>Modular<br>Recessed<br>1.5 Unit |

**Keystone Opening**
Hole size for mounting all Hubbell Jacks.




A: .580" (14.73)
B: .760" (19.30)

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZAL/GY bezel and appropriate Hubbell iSTATION modules located in the section Y. See section Y for additional modular connectors.

### Modular Connector Fittings

| Color | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|
| Ivory<br>Gray |  **SFFGEI**<br>**SFFGGY**<br>F-Type Coupler Gold |  **SFFEX**<br>**SFFGX**<br>F-Type Coupler Nickel |  **SFBE10**<br>**SFBG10**<br>Blank (10 Pack) |
| Ivory<br>Gray |  **SFRCRFFEI**<br>**SFRCRFFGY**<br>RCA Gold Pass-through<br>F/F Coupler<br>Red Insulator |  **SFRCWFFEI**<br>**SFRCWFFGY**<br>RCA Gold Pass-through<br>F/F Coupler<br>White Insulator |  **SFRCYFFEI**<br>**SFRCYFFGY**<br>RCA Gold Pass-through<br>F/F Coupler<br>Yellow Insulator |
| Black<br>housing<br>only |  **SFRC110R**<br>RCA 110<br>Punchdown<br>Red Insulator |  **SFRC110W**<br>RCA 110<br>Punchdown<br>White Insulator |  **SFRC110Y**<br>RCA 110<br>Punchdown<br>Yellow Insulator |
| Black |  **SFSV110BK**<br>S-Video 110 |  **SFSVBK**<br>S-Video<br>F/F Coupler |  **SFSPGBK***<br>**SFSPGR****<br>Speaker Post Connector |

*Note: *Office white housing with black ring color.*
***Office white housing with red ring color.*

### Xcelerator Modular Jacks

| Color | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|
| Ivory<br>Gray |  **HXJ5EEI**<br>**HXJ5EGY**<br>Cat. 5e, T568A, T568B, RJ45 |  **HXJ6EI**<br>**HXJ6GY**<br>Cat. 6, T568A, T568B, RJ45 |  **HXJUEI**<br>**HXJUGY**<br>6 Position USOC, RJ25 |

*Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.*

*Dimensions in Inches (mm)*

## Wire Fill Capacity Chart and Technical Information

### Metal and Aluminum Raceway Wire Fill Capacities

| | | | | Power (THHN/T90 Nylon) | | | Voice | | Data (Copper Cables) | | | | | Data (Multimode Fiber Optic Cables) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 14 AWG | 12 AWG | 10 AWG | 4–Pair | 25–Pair | Type RG59U | Cat. 5e | Cat. 6 | Cat. 6A | Cat. 6 STP | (2) or (4) Fiber Round Cable | Fiber Optic Jumpers | Fiber Optic Zip Cord |
| | | | Wire O.D. (in): | 0.111 | 0.13 | 0.164 | 0.19 | 0.41 | 0.242 | 0.21 | 0.25 | 0.35 | 0.29 | 0.19 | 0.118 | .12 X .24 |
| | | | Wire Area (sq. in.): | 0.0097 | 0.0133 | 0.0211 | 0.0283 | 0.1320 | 0.0460 | 0.0346 | 0.0491 | 0.0962 | 0.0660 | 0.0283 | 0.0109 | 0.0288 |
| | Series | | Channel Area (sq. in.) | Wire Fill Capacity | | | 40% | 40% | 40% | 40% | 40% | 40% | 40% | 40% | 40% | 40% |
| Metal Raceway | HBL500 | | 0.22 | 7 | 5 | 3 | 2 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 8 | 2 |
| | HBL700 | | 0.26 | 10 | 7 | 4 | 3 | 0 | 2 | 3 | 2 | 1 | 1 | 3 | 8 | 3 |
| | HBL750 | | 0.40 | 12 | 9 | 5 | 6 | 1 | 3 | 5 | 3 | 2 | 2 | 6 | 15 | 6 |
| | HBL2000 | | 0.89 | 7 | 7 | 0 | 13 | 3 | 8 | 10 | 7 | 4 | 5 | 13 | 33 | 12 |
| | HBL2000A | | 0.86 | 35 | 26 | 16 | 11 | 2 | 7 | 9 | 7 | 4 | 5 | 13 | 33 | 12 |
| | HBL2400 | | 1.39 | 57 | 41 | 26 | 19 | 4 | 12 | 16 | 11 | 5 | 8 | 19 | 51 | 19 |
| | HBL2400D | Channel– A | 0.86 | 26 | 19 | 11 | 12 | 2 | 7 | 9 | 7 | 3 | 5 | 12 | 31 | 11 |
| | A B | Channel– B | 0.37 | 11 | 9 | 6 | 5 | 1 | 3 | 4 | 3 | 1 | 2 | 5 | 13 | 5 |
| | HBL3000 | | 3.70 | 152 | 111 | 70 | 52 | 11 | 32 | 43 | 30 | 15 | 22 | 52 | 136 | 51 |
| | HBL4750 | No Barriers | 7.20 | 296 | 216 | 136 | 102 | 22 | 63 | 83 | 59 | 30 | 44 | 102 | 264 | 100 |
| | A B | Barrier Centered Ch. A | 3.10 | 127 | 93 | 58 | 44 | 9 | 27 | 36 | 25 | 13 | 19 | 44 | 114 | 43 |
| | | Barrier Centered Ch. B | 3.30 | 127 | 93 | 58 | 47 | 10 | 29 | 38 | 27 | 14 | 20 | 47 | 121 | 46 |
| | A B | Barrier Offset Ch. A | 2.10 | 86 | 63 | 39 | 30 | 6 | 18 | 24 | 17 | 9 | 13 | 30 | 77 | 29 |
| | | Barrier Offset Ch. B | 4.30 | 176 | 129 | 81 | 61 | 13 | 37 | 50 | 35 | 18 | 26 | 61 | 158 | 60 |
| | HBL6750 | No Barriers | 13.77 | 566 | 412 | 259 | 195 | 42 | 120 | 159 | 112 | 57 | 83 | 195 | 505 | 191 |
| | A A A | Barrier Offset 1/3 Ch. A | 4.59 | 189 | 138 | 86 | 65 | 14 | 40 | 53 | 37 | 19 | 28 | 65 | 168 | 64 |
| | A B | Barrier Offset 2/3 Ch. B | 9.18 | 379 | 278 | 173 | 130 | 28 | 80 | 106 | 75 | 38 | 56 | 130 | 337 | 128 |
| Aluminum Raceway | HBLALU2000 | | 1.20 | 49 | 36 | 22 | 16 | 3 | 10 | 13 | 9 | 4 | 7 | 16 | 44 | 16 |
| | HBLALU3800 | | 5.80 | 214 | 156 | 98 | 82 | 18 | 50 | 67 | 47 | 24 | 35 | 82 | 213 | 81 |
| | HBLALU4800 | Center Barrier/ Both Channels | 11.60 | 428 | 312 | 196 | 164 | 35 | 101 | 134 | 95 | 48 | 70 | 164 | 426 | 161 |
| | | Center Barrier/ 1 Channel | 5.80 | 214 | 156 | 98 | 82 | 18 | 50 | 67 | 47 | 24 | 35 | 82 | 213 | 81 |
| | HBLALU5000 | Center Barrier/ Both Channels | 7.60 | 312 | 228 | 142 | 106 | 22 | 64 | 86 | 60 | 30 | 46 | 106 | 278 | 104 |
| | | Center Barrier/ 1 Channel | 3.80 | 156 | 114 | 71 | 53 | 11 | 32 | 43 | 30 | 15 | 23 | 53 | 139 | 52 |
| | HBLALU7620 | 2 Barriers with 3 Equal Channels/Total | 15.00 | 618 | 450 | 282 | 210 | 45 | 129 | 171 | 120 | 60 | 90 | 210 | 549 | 207 |
| | | 2 Barriers with 3 Equal Channels/ 1 Channel | 5.00 | 206 | 150 | 94 | 70 | 15 | 43 | 57 | 40 | 20 | 30 | 70 | 183 | 69 |

*Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.*

### Physical Properties

| | |
|---|---|
| Material | Galvanized Steel or Anodized Aluminum |

### Metal PlugTrak Specifications

| | |
|---|---|
| Receptacle Rating | NEMA 5-15R and NEMA 5-20R |
| Wire | #12 AWG Stranded Copper |
| Receptacle Face | Thermoplastic |

### Codes/Standards

| | |
|---|---|
| TIA/EIA | 569B |
| UL Standard | UL 5 |
| Listings | E253976 /E253830 /E253833 |
| CSA Standard | C22.2 no. 62 |
| Certification | LR87514 |

## Cross Reference

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL500 Series** | **500 Series** |
| HBL502B | 502 |
| HBL605CUT | 605 |
| HBL600B | 600B |
| HBL605K | 605K |
| HBL500TFIV | N/A |
| HBL50010IV | V500 |
| HBL504IV | V504 |
| HBL506IV | V506 |
| HBL511IV | V511 |
| HBL512IV | V512 |
| HBL517IV | V517 |
| HBL518IV | V518 |
| **HBL750 Series** | **700 Series** |
| HBL607CUT | 607 |
| HBL7502B | 702 |
| HBL607K | 607K |
| HBL750TFIV | N/A |
| HBL75010IV | V700 |
| HBL7504IV | V704 |
| HBL7506IV | V706 |
| HBL711IVA | V711 |
| HBL712IV | V712 |
| HBL717IVA | V717 |
| HBL718IVA | V718 |
| **HBL500/HBL750 Series** | **500/700 Series** |
| HBL5701C | 5701 |
| HBL5709 | 5709 |
| HBL5780 | 5780 |
| HBL5781 | 5781 |
| HBL5782C | 5782 |
| HBL5791 | 5791 |
| HBL5709GC | 5709GC |
| HBL5781A | 5781A |
| HBL5782A | 5782A |
| HBL5790B | 5790B |
| HBL5752RA | R5752 |
| HBL5753RA | R5753 |
| HBL5700FIVA | V5700F |
| HBL5703IV | V5703 |
| HBL5711LHIVA | V5711LH |
| HBL5711RHIVA | V5711RH |
| HBL5715IVA | V5715 |
| HBL5719IVA | V5719 |
| HBL57242IVA | V57242 |
| HBL5731IV | V5731 |
| HBL5733IVA | V5733 |
| HBL5735IVA | V5735 |
| HBL5736IV | V5736 |
| HBL5737IVA | V5737 |
| HBL5737AIVA | V5737A |
| HBL5738IVA | V5738 |
| HBL5738AIVA | V5738A |
| HBL5738AFIVA | V5738AF |
| HBL5739IVA | V5739 |
| HBL5739AIVA | V5739A |
| HBL5744IVA | V5744 |
| HBL57442IVA | V5744-2 |
| HBL57443IVA | V5744-3 |
| HBL5744SIVA | V5744S |
| HBL5744S2IVA | V5744S-2 |
| HBL5744S3IVA | V5744S-3 |
| HBL5745IVA | V5745 |
| HBL5747IVA | V5747 |
| HBL57472IVA | V5747-2 |
| HBL57473IVA | V5747-3 |
| HBL5748IVA | V5748 |

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| HBL57482IVA | V5748-2 |
| HBL57483IVA | V5748-3 |
| HBL57484IVA | V5748-4 |
| HBL57485IVA | V5748-5 |
| HBL57486IVA | V5748-6 |
| HBL5751IVA | V5751 |
| HBL57512IVA | V5751-2 |
| HBL57513IVA | V5751-3 |
| HBL5751AIVA | V5751A |
| HBL5752IVA | V5752 |
| HBL5753IVA | V5753 |
| HBL5760IVA | V5760 |
| HBL5783IVA | V5783 |
| HBL5784IVA | V5784 |
| HBL5785IVA | V5785 |
| HBL5786IVA | V5786 |
| HBL5786AIVA | N/A |
| HBL5711BRIVA | N/A |
| HBL5715BRIVA | N/A |
| HBL5717BRIVA | N/A |
| HBL5718BRIVA | N/A |
| **HBL2000 Series** | **2000 Series** |
| HBL620C | 620 |
| HBL2001C | 2001 |
| HBL2003SC | 2003 |
| HBL2009GC | 2009 |
| HBL2000WC | 2000WC |
| HBL2000WCA | N/A |
| HBL2017TC | 2017TC |
| HBL620BCK | 620BCK |
| HBL2000B5GY | G2000B-5 |
| HBL2000BCGY | G2000BC |
| HBL2000BCAGY | N/A |
| HBL2000CGY | G2000C |
| HBL2000CAGY | G2100C |
| HBL2006GY | G2006 |
| HBL2010A2GY | G2010A2 |
| HBL2010A3GY | G2010A3 |
| HBL2010BGY | G2010B |
| HBL2011GY | G2011 |
| HBL2011BRGY | N/A |
| HBL2015GY | G2015 |
| HBL2015BRGY | N/A |
| HBL2017BRGY | N/A |
| HBL2018BRGY | N/A |
| HBL2018CGY | G2018C |
| HBL2048GY | G2048 |
| HBL20482GY | G2048-2 |
| HBL2051HGY | G2051H |
| HBL2000TFIV | N/A |
| HBL2000TFGY | N/A |
| HBL2000B5IV | V2000B-5 |
| HBL2000BCIV | V2000BC |
| HBL2000BCAIV | N/A |
| HBL2000CIV | V2000C |
| HBL2000CAIV | V2100C |
| HBL2006IV | V2006 |
| HBL2010A2IV | V2010A2 |
| HBL2010A3IV | V2010A3 |
| HBL2010BIV | V2010B |
| HBL2011IV | V2011 |
| HBL2011BRIV | N/A |
| HBL2015IV | V2015 |
| HBL2015BRIV | N/A |
| HBL2017BRIV | N/A |
| HBL2018BRIV | N/A |
| HBL2018CIV | V2018C |

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## Cross Reference

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL2048IV** | V2048 |
| **HBL20482IV** | V2048-2 |
| **HBL2051HIV** | V2051H |
| **HBL2089IV** | V2089 |
| **HBL2089EIV** | V2089E |
| | |
| **HBL2400/HBL2400D Series** | **2400/2400D Series** |
| **HBL624CUT** | 624 |
| **HBL2401C** | 2401 |
| **HBL2409GC** | 2409 |
| **HBL2400WC** | 2400WC |
| **HBL2401DC** | 2401D |
| **HBL624BCK** | 624BCK |
| **HBL24DRK** | N/A |
| **HBL24SRK** | N/A |
| **HBL24106DRK** | N/A |
| **HBL24106RRK** | N/A |
| **HBL4724REDIV** | N/A |
| **HBL2420REDIV** | N/A |
| **HBL2400TFIV** | N/A |
| **HBL2400DTFIV** | N/A |
| **HBL2400BIV** | V2400B |
| **HBL2400B10IV** | V2400B-10 |
| **HBL2400BCIV** | V2400BC |
| **HBL2400BDIV** | V2400BD |
| **HBL2400CIV** | V2400C |
| **HBL2406IV** | V2406 |
| **HBL2410AIV** | V2410A |
| **HBL2410BIV** | V2410B |
| **HBL2410BDIV** | V2410BD |
| **HBL2410CIV** | V2410C |
| **HBL2410DFOIV** | V2410DFO |
| **HBL2410FCIV** | V2410FC |
| **HBL2411DFOIV** | V2411DFO |
| **HBL2415DFOIV** | V2411DFO |
| **HBL2411IV** | V2411FO |
| **HBL2415IV** | V2415FO |
| **HBL2417DFOIV** | V2417DFO |
| **HBL2417IV** | V2417FO |
| **HBL2418DFOIV** | V2418DFO |
| **HBL2418IV** | V2418FO |
| **HBL2426IV** | V2426 |
| **HBL2444IVA** | V2444 |
| **HBL24442IV** | V2444-2 |
| **HBL2444DIVA** | V2444D |
| **HBL2444D2AIV** | V2444D-2A |
| **HBL2448IVA** | V2448 |
| **HBL24482IV** | V2448-2 |
| **HBL2451HIV** | V2451H |
| **HBL2475DBRIV** | V2475D |
| **HBL2489IV** | V2489 |
| | |
| **HBL3000 Series** | **3000 Series** |
| **HBL630B** | 630B |
| **HBL630BDK** | 630BDK |
| **HBL630C** | 630C |
| **HBL630CDK** | 630CDK |
| **HBL3000BGY** | G3000B |
| **HBL3000C075GY** | G3000C075 |
| **HBL3000C195GY** | G3000C195 |
| **HBL3000CEGY** | G3000CE |
| **HBL3000WCGY** | G3000WC |
| **HBL3001GY** | G3001 |
| **HBL3001AGY** | G3001A |
| **HBL3003GY** | G3003 |

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL3006EGY** | G3006E |
| **HBL3007CGY** | G3007C |
| **HBL3010AEGY** | G3010AE |
| **HBL3010BGY** | G3010B |
| **HBL3010CGY** | G3010C |
| **HBL3011EGY** | G3011E |
| **HBL3014CGY** | G3014C |
| **HBL3015EGY** | G3015E |
| **HBL3017TCEGY** | G3017TCE |
| **HBL3018AEGY** | G3018AE |
| **HBL3027AEGY** | G3027AE |
| **HBL3028GY** | G3028 |
| **HBL3033JEGY** | G3033JE |
| **HBL3036HEGY** | G3036HE |
| **HBL3040CEGY** | G3040CE |
| **HBL3043BEGY** | G3043BE |
| **HBL30442GY** | G3044-2 |
| **HBL3046BEGY** | G3046BE |
| **HBL3046H2GY** | G3046H-2 |
| **HBL3048RGY** | G3048R |
| **HBL3051LEGY** | G3051LE |
| **HBL3082GY** | G3082 |
| **HBL3086GY** | G3086 |
| **HBL3200REDIV** | N/A |
| **HBL3200REDGY** | N/A |
| **HBL3000TFIV** | N/A |
| **HBL3000TFGY** | N/A |
| **HBL3000BIV** | V3000B |
| **HBL3000C075IV** | V3000C075 |
| **HBL3000C195IV** | V3000C195 |
| **HBL3000CEIV** | V3000CE |
| **HBL3003IV** | V3003 |
| **HBL3006EIV** | V3006E |
| **HBL3010AEIV** | V3010AE |
| **HBL3010BIV** | V3010B |
| **HBL3010CIV** | V3010C |
| **HBL3011EIV** | V3011E |
| **HBL3014CIV** | V3014C |
| **HBL3015EIV** | V3015E |
| **HBL3017TCEIV** | V3017TCE |
| **HBL3018AEIV** | V3018AE |
| **HBL3027AEIV** | V3027AE |
| **HBL3028IV** | V3028 |
| **HBL3033JEIV** | V3033JE |
| **HBL3036HEIV** | V3036HE |
| **HBL3040CEIV** | V3040CE |
| **HBL3043BEIV** | V3043BE |
| **HBL30442IV** | V3044-2 |
| **HBL3046BEIV** | V3046BE |
| **HBL3046H2IV** | V3046H-2 |
| **HBL3048RIV** | V3048R |
| **HBL3051LEIV** | V3051LE |
| **HBL3086IV** | V3086 |
| | |
| **HBL4750 Series** | **4000 Series** |
| **HBL4751AC** | 4001A |
| **HBL4750IV** | V4050 |
| **HBL640C** | 640C |
| **HBL4750B10GY** | G4000B-10 |
| **HBL4750C075GY** | G4000C075 |
| **HBL4750C195GY** | G4000C195 |
| **HBL640B** | 640B |
| **HBL4747RXIV** | V4047RX |
| **HBL4747RFIV** | V4047RF |
| **HBL4747C1GY** | G4047C-1 |
| **HBL4747BXGY** | G4047BX |
| **HBL4747RXGY** | G4047RX |
| **HBL4747RFGY** | G4047RF |

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## Cross Reference

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL4747JXGY** | G4047JX |
| **HBL4747C2GY** | G4047C-2 |
| **HBL4715DFOGY** | G4015DFO |
| **HBL4717NGY** | G4017N |
| **HBL4746H2GY** | G4046H-2 |
| **HBL4718DFOGY** | G4018FO |
| **HBL47472BBFFGY** | G4047-2BBFF |
| **HBL47472BBBBGY** | G4047-2BBBB |
| **HBL47472BBSSGY** | G4047-2BBSS |
| **HBL47472BBXXGY** | G4047-2BBXX |
| **HBL47472BBTTGY** | G4047-2BBTT |
| **HBL4747AXGY** | G4047AX |
| **HBL47472RRXXGY** | G4047-2RRXX |
| **HBL4747BFGY** | G4047BF |
| **HBL4747BBGY** | G4047BB |
| **HBL4747BRGY** | N/A |
| **HBL4747BRIV** | N/A |
| **HBL4747BTGY** | G4047BT |
| **HBL4747BSGY** | G4047BS |
| **HBL4774AGY** | G4074A |
| **HBL4750GY** | G4050 |
| **HBL47472RRXXIV** | V4047-2RRXX |
| **HBL47472BBXXIV** | V4047-2BBXX |
| **HBL4747BBIV** | V4047BB |
| **HBL4747AXIV** | V4047AX |
| **HBL4747BFIV** | V4047BF |
| **HBL4747BTIV** | V4047BT |
| **HBL4747BSIV** | V4047BS |
| **HBL4747C1IV** | V4047C-1 |
| **HBL4747BXIV** | V4047BX |
| **HBL4747JXIV** | V4047JX |
| **HBL4747C2IV** | V4047C-2 |
| **HBL4750CIV** | V4000C |
| **HBL4750B10IV** | V4000B-10 |
| **HBL4750C315IV** | V4000C315 |
| **HBL4750C195IV** | V4000C195 |
| **HBL4711DFOIV** | V4011FO |
| **HBL4711IV** | V4011 |
| **HBL4710DFOIV** | V4010DFO |
| **HBL4710IV** | V4010 |
| **HBL4710BIV** | V4010B |
| **HBL4756AIV** | V4006 |
| **HBL4714AIV** | V4014A |
| **HBL4712TXIV** | V4012TX |
| **HBL4750C135IV** | V4000C135 |
| **HBL4750C075IV** | V4000C075 |
| **HBL4717DFOIV** | V4017FO |
| **HBL4717IV** | V4017 |
| **HBL4715DFOIV** | V4015DFO |
| **HBL4715IV** | V4015 |
| **HBL4718DFOIV** | V4018FO |
| **HBL4718IV** | V4018 |
| **HBL4717NIV** | V4017N |
| **HBL47472BBBBIV** | V4047-2BBBB |
| **HBL4746H2IV** | V4046H-2 |
| **HBL47472BBTTIV** | V4047-2BBTT |
| **HBL47472BBSSIV** | V4047-2BBSS |
| **HBL4747CVMGY** | G6007C-1 |
| **HBL4786AGY** | G4086A |
| **HBL4750TFIV** | N/A |
| **HBL4747CVM2GY** | G6007C-2 |
| **HBL4750BP** | N/A |
| **HBL4750TFGY** | N/A |
| **HBL4756AGY** | G4006 |
| **HBL4751DA** | 4001DA |
| **HBL640BDK** | 640BDK |
| **HBL640CDK** | 640CDK |
| **HBL4750CGY** | G4000C |
| **HBL4750C135GY** | G4000C135 |

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL4750C315GY** | G4000C315 |
| **HBL4750DGY** | G4000D |
| **HBL4750WCGY** | G4000WC |
| **HBL4710BGY** | G4010B |
| **HBL4710DFOGY** | G4010DFO |
| **HBL4710GY** | G4010 |
| **HBL4711DFOGY** | G4011FO |
| **HBL4711GY** | G4011 |
| **HBL4712TXGY** | G4012TX |
| **HBL4714AGY** | G4014A |
| **HBL4717DFOGY** | G4017FO |
| **HBL4717GY** | G4017 |
| **HBL4717TCAGY** | G4017TCA |
| **HBL4774AIV** | V4074A |
| **HBL4786AIV** | V4086A |
| **HBL4747CVMIV** | V6007C-1 |
| **HBL4747CVM2IV** | V6007C-2 |

| HBL6750 Series | 6000 Series |
|---|---|
| **HBL6751A** | 6001A |
| **HBL660C** | 640C |
| **HBL660CDK** | 640CDK |
| **HBL660B** | 660B |
| **HBL660BDK** | 660BDK |
| **HBL6718DFOGY** | G4018FO |
| **HBL6718GY** | G6017TX |
| **HBL6746HHHGY** | G4046H-2 (4000 Series 2-Gang) |
| **HBL67473BBBBBBGY** | G4047-2BBBB (4000 Series 2-Gang) |
| **HBL67473BBBBFFGY** | G4047-2BBFF (4000 Series 2-Gang) |
| **HBL67473BBBBSSGY** | G4047-2BBSS (4000 Series 2-Gang) |
| **HBL67473BBBBTTGY** | G4047-2BBTT (4000 Series 2-Gang) |
| **HBL67473BBBBXXGY** | G4047-2BBXX (4000 Series 2-Gang) |
| **HBL6747AXXGY** | G4047AX (4000 Series 2-Gang) |
| **HBL6747BBBGY** | G4047BB (4000 Series 2-Gang) |
| **HBL6747BBFGY** | G4047BF (4000 Series 2-Gang) |
| **HBL6747BBSGY** | G4047BS (4000 Series 2-Gang) |
| **HBL6747BBTGY** | G4047BT (4000 Series 2-Gang) |
| **HBL6747BXXGY** | G4047BX (4000 Series 2-Gang) |
| **HBL6747C1GY** | V4047C-1 (4000 Series 1-Gang Overlapping) |
| **HBL6747C2GY** | V4047C-2 (4000 Series 2-Gang Overlapping) |
| **HBL6747JXXGY** | G4047JX (4000 Series 2-Gang) |
| **HBL6747RRFGY** | G4047RF (4000 Series 2-Gang) |
| **HBL6747RXXGY** | G4047RX (4000 Series 2-Gang) |
| **HBL67473RRRRXXGY** | G4047-2RRXX |
| **HBL6750GY** | G4050 |
| **HBL6750B10GY** | G6000B-10 |
| **HBL6750CGY** | G6000C |
| **HBL6750DAGY** | G6000DA |
| **HBL6750WCGY** | G6000WC |
| **HBL6751DAGY** | G6001DA |
| **HBL6756AGY** | G6006 |
| **HBL6710BGY** | G6010B |
| **HBL6711DFOGY** | G6011TX |
| **HBL6711GY** | G6011TX |
| **HBL6712TXGY** | G6012TX |
| **HBL6714AGY** | G6014A |
| **HBL6717DFOGY** | G6017TX |
| **HBL6717GY** | G6017TX |
| **HBL6774AGY** | G6074A |
| **HBL6786GY** | G6086 |
| **HBL6750C075IV** | N/A |
| **HBL6750C075GY** | N/A |
| **HBL6750C135IV** | N/A |
| **HBL6750C135GY** | N/A |
| **HBL6750C195IV** | N/A |
| **HBL6750C195GY** | N/A |
| **HBL6750C315IV** | N/A |
| **HBL6750C315GY** | N/A |

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## Cross Reference

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL6715DFOIV** | N/A |
| **HBL6715IV** | N/A |
| **HBL6715DFOGY** | N/A |
| **HBL6715GY** | N/A |
| **HBL6717NIV** | N/A |
| **HBL6717NGY** | N/A |
| **HBL6717TCAGY** | N/A |
| **HBL6710DFOIV** | N/A |
| **HBL6710DFOGY** | N/A |
| **HBL6750TFIV** | N/A |
| **HBL6750TFGY** | N/A |
| **HBL6718DFOIV** | V4018FO |
| **HBL6746HHHIV** | V4046H-2 (4000 Series 2-Gang) |
| **HBL67473BBBBXXGY** | V4047-2BBBB (4000 Series 2-Gang) |
| **HBL67473BBBBFFIV** | V4047-2BBFF (4000 Series 2-Gang) |
| **HBL67473BBBBSSIV** | V4047-2BBSS (4000 Series 2-Gang) |
| **HBL67473BBBBTTIV** | V4047-2BBTT (4000 Series 2-Gang) |
| **HBL67473BBBBXXIV** | V4047-2BBXX (4000 Series 2-Gang) |
| **HBL6747AXXIV** | V4047AX (4000 Series 2-Gang) |
| **HBL6747BBBIV** | V4047BB (4000 Series 2-Gang) |
| **HBL6747BBFIV** | V4047BF (4000 Series 2-Gang) |
| **HBL6747BBSIV** | V4047BS (4000 Series 2-Gang) |
| **HBL6747BBTIV** | V4047BT (4000 Series 2-Gang) |
| **HBL6747BXXIV** | V4047BX (4000 Series 2-Gang) |
| **HBL6747C1IV** | V4047C-1 (4000 Series 1-Gang Overlapping) |
| **HBL6747C2IV** | V4047C-2 (4000 Series 2-Gang Overlapping) |
| **HBL6747JXXIV** | V4047JX (4000 Series 2-Gang) |
| **HBL6747RRFIV** | V4047RF (4000 Series 2-Gang) |
| **HBL6747RXXIV** | V4047RX (4000 Series 2-Gang) |
| **HBL67473RRRRXXIV** | V4047-2RRXX |
| **HBL6750IV** | V4050 |
| **HBL6750B10IV** | V6000B-10 |
| **HBL6750CIV** | V6000C |
| **HBL6756AIV** | V6006 |
| **HBL6710BIV** | V6010B |
| **HBL6711DFOIV** | V6011TX |
| **HBL6711IV** | V6011TX |
| **HBL6712TXIV** | V6012TX |
| **HBL6714AIV** | V6014A |
| **HBL6774AIV** | V6074A |
| **HBL6786IV** | V6086 |

| Metal PlugTrak® | Metal Plugmold® |
|---|---|
| **HBL20C215IV** | V20-C2 |
| **HBL20C215GY** | G20-C2 |
| **HBL20C315IV** | N/A |
| **HBL20C315GY** | N/A |
| **HBL20GB306GY** | G20GB306 |
| **HBL20IG306GY** | G20IG306 |
| **HBL20GB506GY** | G20GB506 |
| **HBL20GB512GY** | G20GB512 |
| **HBL20GB606GY** | G20GB606 |
| **HBL20GB609GY** | G20GB609 |
| **HBL20GB612GY** | G20GB612 |
| **HBL20GB618GY** | G20GB618 |
| **HBL20GBA512GY** | G20GBA512 |
| **HBL20GBA609GY** | G20GBA609 |
| **HBL20GBA612GY** | G20GBA612 |
| **HBL20GBA618GY** | G20GBA618 |
| **HBL20IG512GY** | G20IG512 |
| **HBL20IG606GY** | G20IG606 |
| **HBL24GB306GY** | G24GB306 |
| **HBL24GB506GY** | G24GB506 |
| **HBL24GB512GY** | G24GB512 |
| **HBL24GBA512GY** | G24GBA512 |
| **HBL24GB606GY** | G24GB606 |
| **HBL24GB612GY** | G24GB612 |
| **HBL24GB618GY** | G24GB618 |

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBL24GBA612GY** | G24GBA612 |
| **HBL24GBA618GY** | G24GBA618 |
| **HBL20GB306IV** | V20GB306 |
| **HBL20IG306IV** | V20IG306 |
| **HBL20GB506IV** | V20GB506 |
| **HBL20GB512IV** | V20GB512 |
| **HBL20GB606IV** | V20GB606 |
| **HBL20GB609IV** | V20GB609 |
| **HBL20GB612IV** | V20GB612 |
| **HBL20GB618IV** | V20GB618 |
| **HBL20GBA512IV** | V20GBA512 |
| **HBL20GBA609IV** | V20GBA609 |
| **HBL20GBA612IV** | V20GBA612 |
| **HBL20GBA618IV** | V20GBA618 |
| **HBL20IG512IV** | V20IG512 |
| **HBL20IG606IV** | V20IG606 |
| **HBL24GB306IV** | V24GB306 |
| **HBL24GB506IV** | V24GB506 |
| **HBL24GB512IV** | V24GB512 |
| **HBL24GBA512IV** | V24GBA512 |
| **HBL24GB606IV** | V24GB606 |
| **HBL24GB612IV** | V24GB612 |
| **HBL24GB618IV** | V24GB618 |
| **HBL24GBA612IV** | V24GBA612 |
| **HBL24GBA618IV** | V24GBA618 |

| HBLALU2000 Series | ALA2000 Series |
|---|---|
| **HBLALU2000B10** | AL2000B-10 |
| **HBLALU2000B5** | AL2000B-5 |
| **HBLALU2000C5** | AL2000C-5 |
| **HBLALU2000WC** | AL2000WC |
| **HBLALU2001** | AL2001 |
| **HBLALU2003** | AL2003 |
| **HBLALU2006** | AL2006 |
| **HBLALU2009** | AL2009 |
| **HBLALU2010A** | AL2010A |
| **HBLALU2010B** | AL2010B |
| **HBLALU2011** | AL2011 |
| **HBLALU2015** | AL2015 |
| **HBLALU2017** | AL2017 |
| **HBLALU2018** | AL2018 |
| **HBLALU2038** | AL2038 |
| **HBLALU2040A** | AL2040A |
| **HBLALU2043** | AL2043 |
| **HBLALU2044** | AL2044 |
| **HBLALU20442** | AL2044-2 |
| **HBLALU2047** | AL2047 |
| **HBLALU20472** | AL2047-2 |
| **HBLALU2051H** | AL2051H |

| Aluminum PlugTrak® | Aluminum Plugmold® |
|---|---|
| **HBLALU20GB306** | AL20GB306 |
| **HBLALU20GB506** | AL20GB506 |
| **HBLALU20GB512** | AL20GB512 |
| **HBLALU20GB606** | AL20GB606 |
| **HBLALU20GB612** | AL20GB612 |
| **HBLALU20GB618** | AL20GB618 |
| **HBLALU20GBA606** | AL20GBA606 |
| **HBLALU20GBA612** | AL20GBA612 |
| **HBLALU20GBA618** | AL20GBA618 |
| **HBLALU20IG306** | AL20IG306 |
| **HBLALU20IG506** | AL20IG506 |
| **HBLALU20IG606** | AL20IG606 |
| **HBLALU24GB306** | N/A |
| **HBLALU24IG306** | N/A |
| **HBLALU24GB506** | N/A |
| **HBLALU24GB512** | N/A |

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## Cross Reference

| Hubbell Catalog Number | Wiremold® Catalog Number |
|---|---|
| **HBLALU24IG506** | N/A |
| **HBLALU24GB606** | N/A |
| **HBLALU24GB612** | N/A |
| **HBLALU24GB618** | N/A |
| **HBLALU24GBA606** | N/A |
| **HBLALU24GBA612** | N/A |
| **HBLALU24GBA618** | N/A |
| **HBLALU24IG606** | N/A |

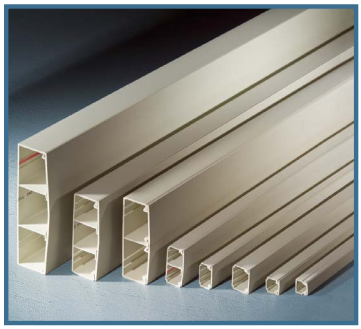
| HBLALU3800 Series | ALA3800 Series |
|---|---|
| **HBLALU3800B10** | ALA3800B-10 |
| **HBLALU3806** | ALA3806 |
| **HBLALU3810B** | ALA3810B |
| **HBLALU3810B1** | ALA3810B1 |
| **HBLALU3811** | ALA3811 |
| **HBLALU3815** | ALA3815 |
| **HBLALU3817** | ALA3817 |
| **HBLALU3817N** | ALA3817N |
| **HBLALU3818** | ALA3818 |
| **HBLALUC5** | ALAC-5 |
| **HBLALUWC** | ALAWC |

| HBLALU4800 Series | ALA4800 Series |
|---|---|
| **HBLALU01** | ALA01 |
| **HBLALU09** | ALA09 |
| **HBLALU17A** | ALA17A |
| **HBLALU4800B10** | ALA4800B-10 |
| **HBLALU4806** | ALA4806 |
| **HBLALU4810B** | ALA4810B |
| **HBLALU4810B2** | ALA4810B2 |
| **HBLALU4811** | ALA4811 |
| **HBLALU4815** | ALA4815 |
| **HBLALU4817** | ALA4817 |
| **HBLALU4817N** | ALA4817N |
| **HBLALU4818** | ALA4818 |
| **HBLALUABRT** | ALA-ABRT |
| **HBLALUBL** | ALA-BL |
| **HBLALUDR** | ALA-DR |
| **HBLALUE** | ALA-E |
| **HBLALUF** | ALA-F |
| **HBLALUG** | ALA-G |
| **HBLALUJ** | ALA-J |
| **HBLALUN** | ALA-N |
| **HBLALULPB** | N/A |

| Touch-Up Paint | Touch-Up Paint |
|---|---|
| **HBLGWEP** | GWE-S |
| **HBLIWEP** | IWE-S |

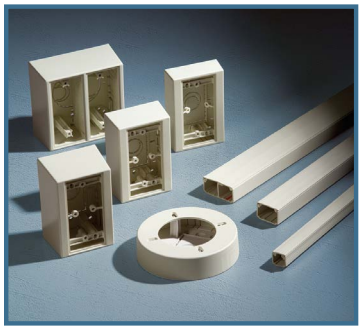
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## Products at a Glance



**Hubbell PolyTrak® Non-Metallic Surface Raceway**

- PolyTrak® Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices
- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak® for all types of surface raceway requirements
- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements
- UL Listed and CSA Certified to 600 volts
- Office white color



**One Box, Three Systems**

- Boxes have three cut-aways that can be utilized with WallTrak®, LANTrak and PremiseTrak (Latching) systems
- Reduces inventory requirements
- Eliminates need to order three separate boxes
- Boxes available in low, standard and deep profiles.
- Two-gang divided box available for power, data, voice, audio and video applications
- Boxes utilize Hubbell KP plates or Hubbell iSTATION Modules and Bezels



**Flush or Full Capacity Boxes**

- Super BaseTrak® and BaseTrak® Raceway offer multiple solutions for box installation
- Super BaseTrak® in-line three-gang box allows maximum capacity in a flush design
- Super BaseTrak® and BaseTrak® available in single, two and three-gang full capacity boxes
- Two and three channel BaseTrak® (PB2 and PB3) available with one and two-gang in-line boxes
- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel



**Non-Metallic PlugTrak®**

- Available as hard wired multi-outlet assembly or relocatable power tap
- Hubbell designed and manufactured 15 or 20 Amp receptacles
- UL Listed and CSA Certified
- Office white color

**Hard Wired Multi-Outlet PlugTrak®**

- Available in 5 ft. (1.5m) or 6 ft. (1.8m) lengths
- Available in single, two circuit and is inherently an isolated ground product
- Multiple spacing configurations
- Hard wired PlugTrak® mates with LANTrak® fittings and boxes
- Tamper-Resistant versions available

**Portable PlugTrak®**

- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access
- Pre-punched holes make mounting easy

## PT1 PremiseTrak® (Non-Latching)

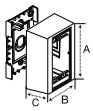
**PT1 PremiseTrak®**

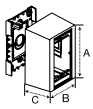
| Description | Color | Length | Without Adhesive | With Adhesive |
|---|---|---|---|---|
| **Base and Cover**<br>Single channel raceway.<br>Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. | Office White | 5 ft.<br>7 ft. | **PT1BC5**<br>**PT1BC7**<br>A: .68" (17.27)<br>B: .75" (19.05) | **PT1ABC5**<br>**PT1ABC7**<br>A: .68" (17.27)<br>B: .75" (19.05) |

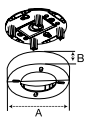


**Device Boxes**

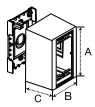
| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Low Profile Box**<br>For shallow switches and receptacles.<br>See page S-63 for recommended plate options. | Office White | **PT12LPB**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.12" (28.45) |
| **1-Gang Standard Box**<br>For standard switches and receptacles.<br>See page S-63 for recommended plate options. | Office White | **PT12SBA**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.63" (41.40) |
| **Round Lighting Fixture Box**<br>To hang fixtures. | Office White | **PT12LFB**<br>A: 5.31" (134.87)<br>B: 1.04" (26.52) |

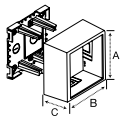







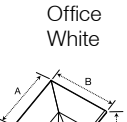
| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial.<br>See page S-63 for recommended plate options. | Office White | **PT12DBA**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.91" (48.51) |
| **2-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial.<br>Uses 2-gang "KP", "IMF", or "IFP" plates for power or data applications.<br>See page S-63 for recommended plate options. | Office White | **PT12TGB**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 1.91" (48.51) |

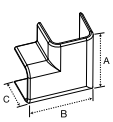


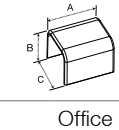
**Fittings**

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow, Cover Only**<br>For inside surfaces at right angles. | Office White | **PT1IE**<br>A: 1.34" (34.04)<br>B: 1.34" (34.04)<br>C: 0.89" (22.61) |
| **Flat Elbow, Cover Only**<br>For right angle turns on same surface. | Office White | **PT1FE**<br>A: 1.33" (33.78)<br>B: 1.33" (33.78)<br>C: 0.74" (18.80) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together. | Office White | **PT1SC**<br>A: 1.00" (25.40)<br>B: 0.74" (18.80)<br>C: 0.89" (22.61) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway.<br>Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs. | Office White | **PT12CA**<br>A: 1.64" (41.66)<br>B: 1.62" (41.15)<br>C: 2.50" (63.50) |



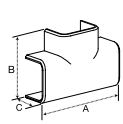


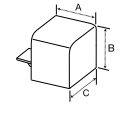


| Description | Color | Catalog Number |
|---|---|---|
| **External Elbow, Cover Only**<br>For outside surfaces at right angles. | Office White | **PT1EE**<br>A: 1.24" (31.50)<br>B: 1.24" (31.50)<br>C: 0.88" (22.35) |
| **Tee, Cover Only**<br>For T-connection off PremiseTrak® Raceway. | Office White | **PT1TC**<br>A: 1.77" (44.90)<br>B: 1.33" (33.78)<br>C: 0.74" (18.80) |
| **End Cap**<br>For closing end of raceway. | Office White | **PT1EC**<br>A: 0.88" (22.35)<br>B: 0.74" (18.80)<br>C: 0.89" (22.61) |





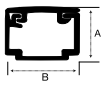


*Dimensions in Inches (mm)*

## PP1 PremiseTrak® (Latching)

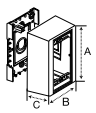
**PP1 PremiseTrak®**

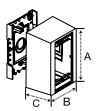
| Description | Color | Length | Without Adhesive | With Adhesive |
|---|---|---|---|---|
| **Base and Cover**<br>Single channel raceway.<br>Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. | Office White | 5 ft.<br>7 ft. | **PP1BC5**<br>**PP1BC7**<br>A: 0.77" (19.56)<br>B: 0.84" (21.34) | **PP1ABC5**<br>**PP1ABC7**<br>A: 0.77" (19.56)<br>B: 0.84" (21.34) |

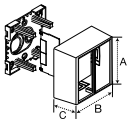




**Device Boxes**

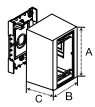
| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Low Profile Box**<br>For shallow switches and receptacles.<br>See page S-63 for recommended plate options. | Office White | **PDB12LP**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.25" (31.75) |
| **1-Gang Standard Box**<br>For standard switches and receptacles.<br>See page S-63 for recommended plate options. | Office White | **PDB12S**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.78" (45.21) |
| **2-Gang Deep Divided Box**<br>For deep switches, receptacles and communication devices. See page S-63 for single gang "KP" plate options.<br>Comes with removable divider. | Office White | **PDB12TGD**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 2.44" (61.98) |

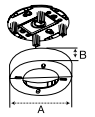



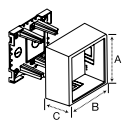




| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial.<br>See page S-63 for recommended plate options. | Office White | **PDB12D**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 2.44" (61.98) |
| **Round Lighting Fixture Box**<br>To hang fixtures. | Office White | **PDB12LF**<br>A: 5.31" (134.87)<br>B: 1.29" (32.77) |
| **2-Gang Deep Undivided Box**<br>For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only.<br>See page S-63 for details. | Office White | **PDB12TGLV**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 2.44" (61.98) |

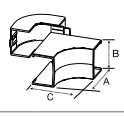



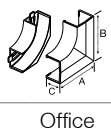



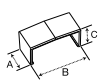



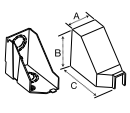

**Fittings**

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>Full capacity 1¼ in. bend radius internal elbow. | Office White | **PP1IE***<br>**PP1IEBC****<br>A: 2.40" (60.96)<br>B: 1.03" (26.16)<br>C: 2.40" (60.96) |
| **Flat Elbow**<br>Full capacity 1¼ in. bend radius flat elbow. | Office White | **PP1FE***<br>**PP1FEBC****<br>A: 2.62" (66.55)<br>B: 2.62" (66.55)<br>C: 0.85" (21.59) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together. | Office White | **PP1SC**<br>A: 1.09" (27.69)<br>B: 1.02" (25.91)<br>C: 0.85" (21.59) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs. | Office White | **PLP1CACF**<br>A: 2.29" (58.17)<br>B: 3.31" (84.07)<br>C: 3.90" (99.06) |

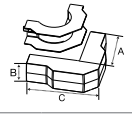



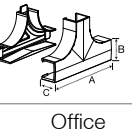



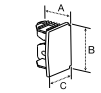



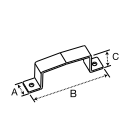




| Description | Color | Catalog Number |
|---|---|---|
| **External Elbow**<br>Full capacity 1¼ in. bend radius external elbow. | Office White | **PP1EE***<br>**PP1EEBC****<br>A: 4.47" (113.54)<br>B: 1.03" (26.16)<br>C: 4.47" (113.54) |
| **Tee**<br>Full capacity 1¼ in. bend radius tee. | Office White | **PP1TC***<br>**PP1TCBC****<br>A: 4.22" (107.19)<br>B: 2.62" (66.55)<br>C: 0.85" (21.59) |
| **End Cap**<br>For closing end of raceway. | Office White | **PP1EC**<br>A: 1.00" (25.40)<br>B: 0.84" (21.34)<br>C: 0.77" (19.56) |
| **Safety Strap**<br>For preventing potential tampering with PP1 PremiseTrak cover.<br>Can also be used as a splice cover. | Office White | **PP1SS**<br>A: 0.62" (15.75)<br>B: 1.94" (49.28)<br>C: 0.86" (21.84) |


*Note: *Cover only. **Base and Cover.*

*Dimensions in Inches (mm)*

## PL1 LANTrak® (Latching)

**PL1 LANTrak®**

| Description | Color | Length | Without Adhesive | With Adhesive |
|---|---|---|---|---|
| **Base and Cover**<br>Single channel raceway.<br>Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. | Office White | 5 ft.<br>7 ft. | **PL1BC5**<br>**PL1BC7**<br>A: 1.04" (26.42)<br>B: 1.38" (35.05) | **PL1ABC5**<br>**PL1ABC7**<br>A: 1.04" (26.42)<br>B: 1.38" (35.05) |



**Device Boxes**

| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Low Profile Box**<br>For shallow switches and receptacles. See page S-63 for recommended plate options. | Office White | **PDB12LP**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.25" (31.75) |
| **1-Gang Standard Box**<br>For standard switches and receptacles. See page S-63 for recommended plate options. | Office White | **PDB12S**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.78" (45.21) |
| **2-Gang Deep Divided Box**<br>For deep switches, receptacles and communication devices. See page S-63 for single gang "KP" plate options. Comes with removable divider. | Office White | **PDB12TGD**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 2.44" (61.98) |

| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options. | Office White | **PDB12D**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 2.44" (61.98) |
| **Round Lighting Fixture Box**<br>To hang fixtures. | Office White | **PDB12LF**<br>A: 5.31" (134.87)<br>B: 1.29" (32.77) |
| **2-Gang Deep Undivided Box**<br>For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page S-63 for details. | Office White | **PDB12TGLV**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 2.44" (61.98) |

**Fittings**

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>Full capacity 1¼ in. bend radius internal elbow. | Office White | **PL1IE***<br>**PL1IEBC****<br>A: 2.51" (63.75)<br>B: 1.57" (39.88)<br>C: 2.51" (63.75) |
| **Flat Elbow**<br>Full capacity 1¼ in. bend radius flat elbow. | Office White | **PL1FE***<br>**PL1FEBC****<br>A: 3.19" (81.03)<br>B: 3.19" (81.03)<br>C: 1.11" (28.19) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together. | Office White | **PL1SC**<br>A: 1.12" (28.45)<br>B: 1.55" (39.37)<br>C: 1.11" (28.19) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs. | Office White | **PLP1CACF**<br>A: 2.29" (58.17)<br>B: 3.31" (84.07)<br>C: 3.90" (99.06) |

| Description | Color | Catalog Number |
|---|---|---|
| **External Elbow**<br>Full capacity 1¼ in. bend radius external elbow. | Office White | **PL1EE***<br>**PL1EEBC****<br>A: 5.06" (128.52)<br>B: 1.57" (39.88)<br>C: 5.06" (128.52) |
| **Tee**<br>Full capacity 1¼ in. bend radius tee. | Office White | **PL1TC***<br>**PL1TCBC****<br>A: 4.75" (120.65)<br>B: 3.15" (80.01)<br>C: 1.11" (28.19) |
| **End Cap**<br>For closing end of raceway. | Office White | **PL1EC**<br>A: 1.00" (25.40)<br>B: 1.39" (35.31)<br>C: 1.04" (26.42) |
| **Safety Strap**<br>For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover. | Office White | **PL1SS**<br>A: 0.62" (15.75)<br>B: 2.68" (68.07)<br>C: 1.12" (28.45) |

*Note: *Cover only. **Base and Cover.*

*Dimensions in Inches (mm)*

## PW1 WallTrak® Low Profile (Latching)

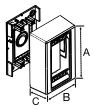
**PW1 WallTrak®**

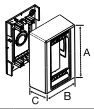
| Description | Color | Length | Without Adhesive | With Adhesive |
|---|---|---|---|---|
| **Base and Cover**<br>Single channel raceway.<br>Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. | Office White | 5 ft.<br>7 ft. | **PW1BC5**<br>**PW1BC7**<br>A: .50" (12.70)<br>B: 1.19" (30.23) | **PW1ABC5**<br>**PW1ABC7**<br>A: .50" (12.70)<br>B: 1.19" (30.23) |



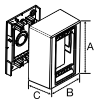

**Device Boxes**

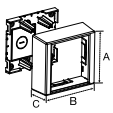
| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Low Profile Box**<br>For shallow switches and receptacles.<br>See page S-63 for recommended plate options. | Office White | **PW1LPB**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.13" (28.70) |
| **1-Gang Standard Box**<br>For standard switches and receptacles.<br>See page S-63 for recommended plate options. | Office White | **PW1SBA**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.63" (41.40) |
| **Round Lighting Fixture Box**<br>To hang fixtures. | Office White | **PW1LFB**<br>A: 5.31" (134.87)<br>B: 1.04" (26.52) |
| **1-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial.<br>See page S-63 for recommended plate options. | Office White | **PW1DBA**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.91" (48.51) |
| **2-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial.<br>Uses 2-gang "KP" or "IFP" plates for power or data applications.<br>See page S-63 for recommended plate options. | Office White | **PW1TGB**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 1.91" (48.51) |





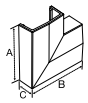




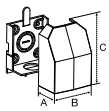
**Fittings**

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow, Cover Only**<br>For inside surfaces at right angles. | Office White | **PW1IE**<br>A: 1.75" (44.45)<br>B: 1.43" (36.32)<br>C: 1.75" (44.45) |
| **Flat Elbow, Cover Only**<br>For right angle turns on same surface. | Office White | **PW1FE**<br>A: 2.18" (55.37)<br>B: 2.18" (55.37)<br>C: .60" (15.24) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together. | Office White | **PW1SC**<br>A: 1.00" (25.40)<br>B: 1.43" (36.32)<br>C: .60" (15.24) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs. | Office White | **PW1CA**<br>A: 1.40" (35.56)<br>B: 2.34" (59.44)<br>C: 3.22" (81.79) |
| **External Elbow, Cover Only**<br>For outside surfaces at right angles. | Office White | **PW1EE**<br>A: 1.50" (38.10)<br>B: 1.43" (36.32)<br>C: 1.50" (38.10) |
| **Tee, Cover Only**<br>For T-connection off PremiseTrak® Raceway. | Office White | **PW1TC**<br>A: 2.93" (74.42)<br>B: 2.18" (55.37)<br>C: .60" (15.24) |
| **End Cap**<br>For closing end of raceway. | Office White | **PW1EC**<br>A: 1.00" (25.40)<br>B: 1.24" (31.50)<br>C: .50" (12.70) |

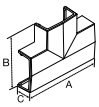


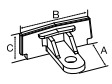









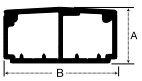




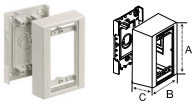
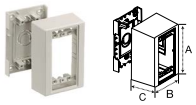
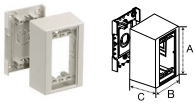
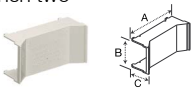
*Dimensions in Inches (mm)*

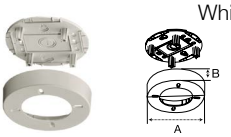
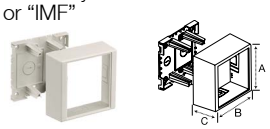
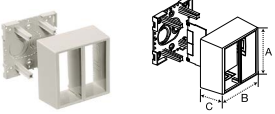
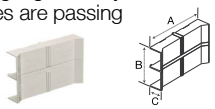
## PW2 WallTrak® (Latching)

**PW2 WallTrak®**

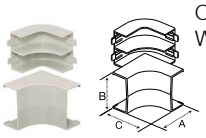
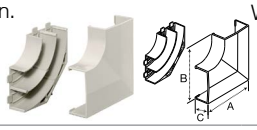
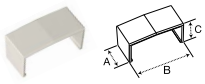
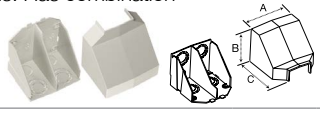
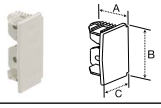
| Description | Color | Length | Without Adhesive | With Adhesive |
|---|---|---|---|---|
| **Base and Cover**<br>Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths.   | Office White | 5 ft.<br>7 ft. | **PW2BC5**<br>**PW2BC7**<br>A: 1.04" (26.42)<br>B: 2.12" (53.85) | **PW2ABC5**<br>**PW2ABC7**<br>A: 1.04" (26.42)<br>B: 2.12" (53.85) |

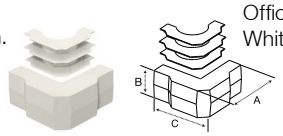
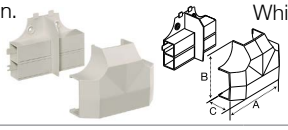
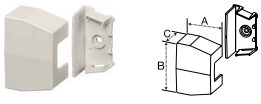
**Device Boxes**

| Description | Color | Catalog Number |
|---|---|---|
| **1-Gang Low Profile Box**<br>For shallow switches and receptacles. See page S-63 for recommended plate options.  | Office White | **PDB12LP**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.25" (31.75) |
| **1-Gang Standard Box**<br>For standard switches and receptacles. See page S-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered.  | Office White | **PDB12S**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.78" (45.21) |
| **1-Gang Deep Box**<br>For deep devices or applications where additional room is beneficial. See page S-63 for recommended plate options. If using dual services, the PDB1DIV must be ordered.  | Office White | **PDB12D**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 2.44" (61.98) |
| **1-Gang Divider**<br>For use with PDB12S and PDB12D 1-gang boxes. Required when two services are passing through box.  | Office White | **PDB1DIV**<br>A: 2.79" (70.86)<br>B: 1.40" (35.56)<br>C: 0.94" (23.88) |

| Description | Color | Catalog Number |
|---|---|---|
| **Round Lighting Fixture Box**<br>To hang fixtures.  | Office White | **PDB12LF**<br>A: 5.31" (134.87)<br>B: 1.29" (32.77) |
| **2-Gang Deep Undivided Box**<br>For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page S-63 for details.  | Office White | **PDB12TGLV**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 2.44" (61.98) |
| **2-Gang Deep Divided Box**<br>For deep devices or applications where additional room is beneficial. See page S-63 for single gang "KP" plate options. Comes with removable divider. If using dual services, in a perpendicular run the PDB2DIV must be ordered.  | Office White | **PDB12TGD**<br>A: 4.90" (124.46)<br>B: 5.06" (128.52)<br>C: 2.44" (61.98) |
| **2-Gang Divider**<br>For use with PDB12TGD 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway.  | Office White | **PDB2DIV**<br>A: 4.62" (117.35)<br>B: 2.76" (70.10)<br>C: 0.94" (23.88) |

**Fittings**

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow**<br>Full capacity 1¼ in. bend radius internal elbow.  | Office White | **PW2IE***<br>**PW2IEBC****<br>A: 2.83" (71.88)<br>B: 2.32" (58.93)<br>C: 2.83" (71.88) |
| **Flat Elbow**<br>Full capacity 1¼ in. bend radius flat elbow.  | Office White | **PW2FE***<br>**PW2FEBC****<br>A: 3.94" (100.08)<br>B: 3.94" (100.08)<br>C: 1.11" (28.19) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together.  | Office White | **PW2SC**<br>A: 1.11" (28.19)<br>B: 2.30" (58.42)<br>C: 1.11" (28.19) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in. and 1 in. trade size KOs.  | Office White | **PW2CACF**<br>A: 4.18" (106.17)<br>B: 3.32" (84.33)<br>C: 4.20" (106.68) |
| **End Cap**<br>For closing end of PW2 WallTrak Raceway.  | Office White | **PW2EC**<br>A: 1.00" (25.40)<br>B: 2.14" (54.36)<br>C: 1.04" (26.42) |

| Description | Color | Catalog Number |
|---|---|---|
| **External Elbow**<br>Full capacity 1¼ in. bend radius external elbow.  | Office White | **PW2EE***<br>**PW2EEBC****<br>A: 5.00" (127.00)<br>B: 2.32" (58.93)<br>C: 5.00" (127.00) |
| **Tee**<br>Full capacity 1¼ in. bend radius tee.  | Office White | **PW2TC***<br>**PW2TCBC****<br>A: 5.42" (137.67)<br>B: 3.91" (99.31)<br>C: 1.90" (48.26) |
| **Safety Strap**<br>For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover.  | Office White | **PW2SS**<br>A: 0.62" (15.75)<br>B: 3.43" (87.12)<br>C: 1.12" (28.45) |
| **Reducer**<br>Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak Raceway(s).  | Office White | **PW2RED**<br>A: 1.62" (41.15)<br>B: 2.40" (60.96)<br>C: 1.15" (29.21) |

*Note: *Cover only. **Base and Cover.*

*Dimensions in Inches (mm)*

## PB2 BaseTrak®

### PB2 BaseTrak®

| Description | Color | Length | Catalog Number |
|---|---|---|---|
| **Base**<br>Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.<br>Assembled cover and base dimensions.<br>W: 4.50" (114.30)<br>H: 1.63" (41.40) | Office White | 5 ft.<br>10 ft. | **PB2B5**<br>**PB2B10**<br>A: 1.42" (36.07)<br>B: 4.50" (114.30) |
| **Cover**<br>Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. | Office White | 5 ft.<br>10 ft. | **PB2C5**<br>**PB2C10**<br>B: 4.50" (114.30) |
| **Split Cover**<br>Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section. | Office White | 5 ft.<br>10 ft. | **PB2SPL5**<br>**PB2SPL10**<br>B: 2.22" (56.39) |

### Device Boxes

| Description | Color | Catalog Number |
|---|---|---|
| **2-Gang In-Line Box**<br>For switches, receptacles and communication devices. Provides flush look. See page S-63 for recommended single gang "KP" plate options. | Office White | **PB2IND2G**<br>A: 7.66" (194.56)<br>B: 4.74" (120.40)<br>C: 1.84" (46.74) |

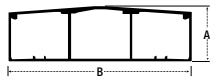
### Fittings

| Description | Color | Catalog Number |
|---|---|---|
| **Internal Elbow, Base and Cover**<br>Full capacity 1¼ in. bend radius internal elbow. | Office White | **PB3IEBCA**<br>A: 4.36" (110.74)<br>B: 4.72" (119.89)<br>C: 4.36" (110.74) |
| **External Elbow, Base and Cover**<br>Full capacity 1¼ in. bend radius external elbow. | Office White | **PB3EEBCA**<br>A: 6.48" (164.59)<br>B: 4.72" (119.89)<br>C: 6.48" (164.59) |
| **Flat Elbow, Base and Cover**<br>Full capacity 1¼ in. bend radius flat elbow. | Office White | **PB3FEBCA**<br>A: 7.64" (194.66)<br>B: 7.64" (194.66)<br>C: 1.71" (43.43) |
| **Tee, Base and Cover**<br>Full capacity 1¼ in. bend radius tee. | Office White | **PB3TCBCA**<br>A: 7.37" (187.20)<br>B: 7.08" (179.83)<br>C: 2.72" (69.09) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together. | Office White | **PB3SC**<br>A: 1.56" (39.62)<br>B: 4.74" (120.40)<br>C: 1.69" (42.93) |
| **Safety Strap**<br>For preventing potential tampering with PB2 BaseTrak cover. Can also be used as a splice cover. | Office White | **PB3SS**<br>A: 1.50" (38.10)<br>B: 6.01" (152.65)<br>C: 1.74" (44.20) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs. | Office White | **PB2CACF**<br>A: 4.72" (119.89)<br>B: 5.22" (132.70)<br>C: 6.30" (160.02) |
| **Reducer**<br>Reduces from PB2 BaseTrak Raceway to PW2 WallTrak Raceway. | Office White | **PB3REDA**<br>A: 3.50" (88.90)<br>B: 4.72" (119.89)<br>C: 1.73" (43.94) |
| **Transition Fitting**<br>Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak. | Office White | **PB3TRBC**<br>A: 3.22" (81.79)<br>B: 7.28" (184.91)<br>C: 2.42" (61.47) |
| **Surface Panel Connector**<br>For connecting PB2 Raceway with surface type panel boxes. | Office White | **PB3SPCA**<br>A: 2.22" (56.39)<br>B: 5.66" (143.76)<br>C: 1.60" (40.64) |
| **Wire Clip**<br>For holding conductors in place. | Office White | **PB2WC**<br>A: 1.29" (50.20)<br>B: 1.00" (25.40) |
| **End Cap**<br>For closing end of PB2 BaseTrak Raceway. | Office White | **PB3ECA**<br>A: 2.02" (51.31)<br>B: 4.68" (118.97)<br>C: 1.72" (43.69) |

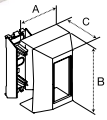
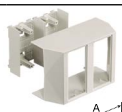
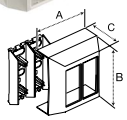
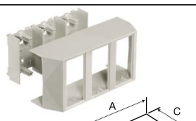
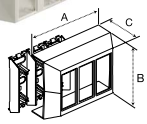
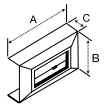
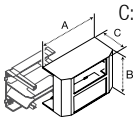
*Dimensions in Inches (mm)*

## PB3 BaseTrak®

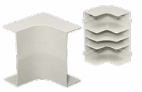
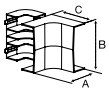
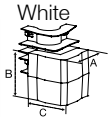
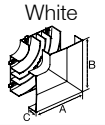
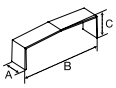
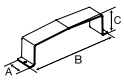
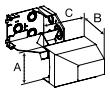
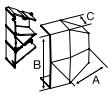
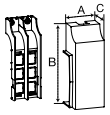
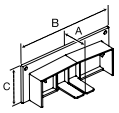
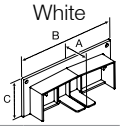
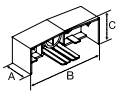
### PB3 BaseTrak®

| Description | | Color | Length | Catalog Number |
|---|---|---|---|---|
| **Base and Cover**<br>Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. |   | Office White | 5 ft.<br>10 ft. | **PB3BC5**<br>**PB3BC10**<br>A: 1.63" (41.40)<br>B: 4.50" (114.30) |

### Device Boxes

| Description | Color | Catalog Number | | Catalog Number | | Catalog Number |
|---|---|---|---|---|---|---|
| **Full Capacity Boxes**<br>1-, 2- and 3-Gang boxes that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page S-63 for recommended single gang "KP" plate options.   | Office White | **PB3FCIB**<br>(1-Gang)<br>A: 4.38" (111.25)<br>B: 4.80" (121.92)<br>C: 3.17" (80.52) |   | **PB3FCIB2G**<br>(2-Gang)<br>A: 7.20" (182.88)<br>B: 4.80" (121.92)<br>C: 3.17" (80.52) |   | **PB3FCIB3G**<br>(3-Gang)<br>A: 9.96" (252.98)<br>B: 4.80" (121.92)<br>C: 3.17" (80.52) |
| **1-Gang In-Line Box**<br>For switches, receptacles and communication devices. Provides flush look. See page S-63 for recommended plate options.   | Office White | **PB3IND**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 1.25" (31.75) | **2-Gang In-Line Box**<br>For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expanded capacity. See page S-63 for recommended single gang "KP" plate options.   | Office White | **PB3IND2G**<br>A: 4.90" (124.46)<br>B: 3.25" (82.55)<br>C: 2.44" (61.98) |

### Fittings

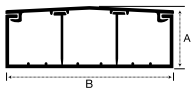
| | | | | | |
|---|---|---|---|---|---|
| **Internal Elbow**<br>Full capacity 1¼ in. bend radius internal elbow.   | Office White | **PB3IE***<br>**PB3IEBCA****<br>A: 4.36" (110.74)<br>B: 4.72" (119.89)<br>C: 4.36" (110.74) | **External Elbow**<br>Full capacity 1¼ in. bend radius external elbow.   | Office White | **PB3EE***<br>**PB3EEBCA****<br>A: 6.48" (164.59)<br>B: 4.72" (119.89)<br>C: 6.48" (164.59) |
| **Flat Elbow**<br>Full capacity 1¼ in. bend radius flat elbow.   | Office White | **PB3FE***<br>**PB3FEBCA****<br>A: 7.64" (194.66)<br>B: 7.64" (194.66)<br>C: 1.71" (43.43) | **Tee**<br>Full capacity 1¼ in. bend radius tee.   | Office White | **PB3TCBCA****<br>A: 7.37" (187.20)<br>B: 7.08" (179.83)<br>C: 2.72" (69.09) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together.   | Office White | **PB3SC***<br>A: 1.56" (39.62)<br>B: 4.74" (120.40)<br>C: 1.69" (42.93) | **Safety Strap**<br>Prevents potential tampering with PB3 BaseTrak cover. Can also be used as a splice cover.   | Office White | **PB3SS***<br>A: 1.50" (38.10)<br>B: 6.01" (152.65)<br>C: 1.74" (44.20) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.   | Office White | **PB3CACF****<br>A: 4.72" (119.89)<br>B: 5.22" (132.70)<br>C: 6.30" (160.02) | **Reducer**<br>Reduces from PB3 BaseTrak Raceway to PW2 WallTrak Raceway.   | Office White | **PB3REDA****<br>A: 3.50" (88.90)<br>B: 4.72" (119.89)<br>C: 1.73" (43.94) |
| **Transition Fitting**<br>Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak or PP1 PremiseTrak.   | Office White | **PB3TRBC****<br>A: 3.22" (81.79)<br>B: 7.28" (184.91)<br>C: 2.42" (61.47) | **Transition Fitting**<br>Transitions from BT3 (old style) BaseTrak Raceway to PB3 (new style) BaseTrak Raceway.   | Office White | **BTPB3TF***<br>A: 2.22" (56.39)<br>B: 5.66" (143.76)<br>C: 1.35" (34.29) |
| **Surface Panel Connector**<br>For connecting PB3 Raceway with surface type panel boxes.   | Office White | **PB3SPCA***<br>A: 2.22" (56.39)<br>B: 5.66" (143.76)<br>C: 1.60" (40.64) | **End Cap**<br>For closing end of PB3 BaseTrak Raceway.   | Office White | **PB3ECA***<br>A: 2.02" (51.31)<br>B: 4.68" (118.97)<br>C: 1.72" (43.69) |
| **Wire Clip**<br>For holding conductors in place.   | Office White | **PB3WC**<br>A: 1.34" (34.10)<br>B: 1.00" (25.40) | | | |

*Note: *Cover only. **Base and Cover.*

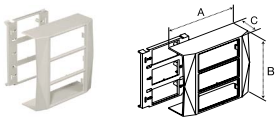
*Dimensions in Inches (mm)*

## PS3 Super BaseTrak®

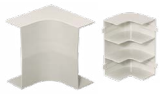
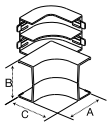
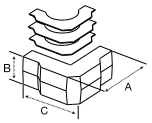
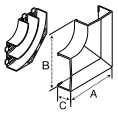
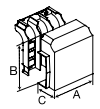
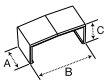
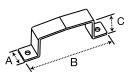
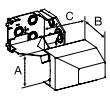
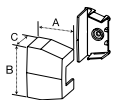
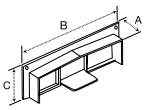
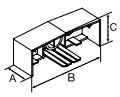
### PS3 BaseTrak®

| Description | Color | Length | Catalog Number |
|---|---|---|---|
| **Base and Cover**<br>Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths.   | Office White | 5 ft.<br>10 ft. | **PS3BC5**<br>**PS3BC10**<br>A: 1.97" (50.04)<br>B: 6.70" (170.18) |

### Device Boxes

| Description | Color | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|---|
| **Full Capacity Boxes**<br>1-, 2- and 3-Gang boxes that allows full capacity from PS3 Raceway to box for either power or datacom applications. See page S-63 for recommended single gang "KP" plate options.  | Office White | **PS3FCIB**<br>(1-Gang)<br>A: 4.38" (111.25)<br>B: 6.95" (176.53)<br>C: 3.46" (87.88) | **PS3FCIB2G**<br>(2-Gang)<br>A: 7.20" (182.88)<br>B: 6.95" (176.53)<br>C: 3.46" (87.88) | **PS3FCIB3G**<br>(3-Gang)<br>A: 9.96" (252.98)<br>B: 6.95" (176.53)<br>C: 3.46" (87.88) |
| **3-Gang In-Line Box**<br>For any combination of power and datacom applications. Provides flush look. See page S-63 for recommended single gang "KP" plate options.  | Office White | **PS3IND**<br>A: 7.00" (177.80)<br>B: 6.95" (176.53)<br>C: 2.28" (57.91) | | |

### Fittings

| | | | | | |
|---|---|---|---|---|---|
| **Internal Elbow**<br>Full capacity 1¼ in. bend radius internal elbow.   | Office White | **PS3IE***<br>**PS3IEBC****<br>A: 4.36" (110.74)<br>B: 6.93" (176.02)<br>C: 4.36" (110.74) | **External Elbow**<br>Full capacity 1¼ in. bend radius external elbow.   | Office White | **PS3EE***<br>**PS3EEBC****<br>A: 6.81" (172.97)<br>B: 6.93" (176.02)<br>C: 6.81" (172.97) |
| **Flat Elbow**<br>Full capacity 1¼ in. bend radius flat elbow.   | Office White | **PS3FE***<br>**PS3FEBC****<br>A: 9.85" (250.19)<br>B: 9.85" (250.19)<br>C: 2.08" (52.83) | **Tee**<br>Full capacity 1¼ in. bend radius tee.   | Office White | **PS3TCBC****<br>A: 10.00" (254.00)<br>B: 9.68" (245.87)<br>C: 3.30" (83.82) |
| **Splice Cover**<br>For covering potential openings where two lengths of raceway come together.   | Office White | **PS3SC***<br>A: 1.56" (39.62)<br>B: 6.95" (176.53)<br>C: 2.03" (51.62) | **Safety Strap**<br>Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover.   | Office White | **PS3SS***<br>A: 1.50" (38.10)<br>B: 8.24" (209.30)<br>C: 2.08" (52.85) |
| **Conduit Adapter/Ceiling Fitting**<br>For connecting conduit to raceway. Also use for ceiling feeds. Has combination ½ in., ¾ in., 1 in., 1¼ in. and 1½ in. trade size KOs.   | Office White | **PS3CACF****<br>A; 6.93" (176.02)<br>B: 4.32" (109.73)<br>C: 6.29" (159.77) | **Reducer**<br>Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Raceway.   | Office White | **PS3RED****<br>A: 4.81" (122.17)<br>B: 6.93" (176.02)<br>C: 2.05" (52.07) |
| **Surface Panel Connector**<br>To connect PS3 Raceway with surface type panel boxes.   | Office White | **PS3SPC***<br>A: 1.00" (25.40)<br>B: 7.87" (199.90)<br>C: 2.54" (64.52) | **End Cap**<br>For closing end of PS3 Super BaseTrak Raceway.   | Office White | **PS3EC***<br>A: 1.50" (38.10)<br>B: 6.88" (174.75)<br>C: 2.06" (52.32) |
| **Wire Clip**<br>For holding conductors in place.   | Office White | **PS3WC**<br>A: 1.62" (41.15)<br>B: 1.00" (25.40) | | | |

*Note: *Cover only. **Base and Cover.*

*Dimensions in Inches (mm)*

UL LISTED CSA CERTIFIED

## Non-Metallic PlugTrak®

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



USB

Tamper-Resistant

| | Amp | Circuits | Duplex Recept. | USB Ports | Recept. Spacing (in.) | Black | White | Office White |
|---|---|---|---|---|---|---|---|---|
| 5 Foot Base and Cover | 15 | Single | 5 | — | 12 | **PT155112BK** | **PT155112W** | **PT155112** |
| | 15 | Two | 5 | — | 12 | **PT155212BK** | **PT155212W** | **PT155212** |
| | 15 | Single | 4 | — | 15 | **PT155115BK** | **PT155115W** | **PT155115** |
| | 15 | Single | 2 | — | 30 | **PT155130BK** | **PT155130W** | **PT155130** |
| | 15 | TR/Single | 5 | — | 12 | **PT155112TRBK** | **PT155112TRW** | **PT155112TR** |
| | 20 | Single | 5 | — | 12 | **PT205112BK** | **PT205112W** | **PT205112** |
| | 20 | Two | 5 | — | 12 | **PT205212BK** | **PT205212W** | **PT205212** |
| | 20 | Single | 4 | — | 15 | **PT205115BK** | **PT205115W** | **PT205115** |
| | 20 | Two | 4 | — | 15 | **PT205215BK** | **PT205215W** | **PT205215** |
| | 20 | Single | 2 | — | 30 | **PT205130BK** | **PT205130W** | **PT205130** |
| | 20 | TR/Single | 5 | — | 12 | **PT205112TRBK** | **PT205112TRW** | **PT205112TR** |
| 6 Foot Base and Cover | 15 | Single | 6 | — | 12 | **PT156112BK** | **PT156112W** | **PT156112** |
| | 15 | Two | 6 | — | 12 | **PT156212BK** | **PT156212W** | **PT156212** |
| | 15 | Single | 4 | — | 18 | **PT156118BK** | **PT156118W** | **PT156118** |
| | 15 | Single | 3 | — | 24 | **PT156124BK** | **PT156124W** | **PT156124** |
| | 15 | USB/Single | 4 | 4 | 12 | **PT156112UBK** | **PT156112UW** | **PT156112U** |
| | 20 | Single | 9 | — | 8 | **PT206108BK** | **PT206108W** | **PT206108** |
| | 20 | Two | 9 | — | 8 | **PT206208BK** | **PT206208W** | **PT206208** |
| | 20 | Single | 6 | — | 12 | **PT206112BK** | **PT206112W** | **PT206112** |
| | 20 | Two | 6 | — | 12 | **PT206212BK** | **PT206212W** | **PT206212** |
| | 20 | Single | 4 | — | 18 | **PT206118BK** | **PT206118W** | **PT206118** |
| | 20 | Two | 4 | — | 18 | **PT206218BK** | **PT206218W** | **PT206218** |
| | 20 | Single | 3 | — | 24 | **PT206124BK** | **PT206124W** | **PT206124** |
| | 20 | Two | 3 | — | 24 | **PT206224BK** | **PT206224W** | **PT206224** |
| | 20 | Single | 2 | — | 36 | **PT206136BK** | **PT206136W** | **PT206136** |

*Note: Each Non-Metallic PlugTrak is supplied with one PL1EC end cap and "IG" stickers for isolated ground applications.*





**PL1MC** Supporting Mounting Clip

| | Amp | Length (ft.) | Cord Length (ft.) | Duplex Recept. | USB Ports | Black | White | Office White |
|---|---|---|---|---|---|---|---|---|
| Portable | 15 | 3 | 6 | 3 | — | **PT153112PBK** | **PT153112PW** | **PT153112P** |
| | 15 | 5 | 6 | 5 | — | **PT155112PBK** | **PT155112PW** | **PT155112P** |
| | 15 | 3 | 6 | 4 | 2 | **PT153112UPBK** | **PT153112UPW** | **PT153112UP** |
| | 20 | 3 | 6 | 2 | — | **PT203112PBK** | **PT203112PW** | **PT203112P** |
| | 20 | 5 | 6 | 5 | — | **PT205112PBK** | **PT205112PW** | **PT205112P** |
| | Supporting Mounting Clip for Portable PlugTrak. | | | | | | | **PL1MC** |

*Note: Includes ON/OFF switch and circuit breaker.*

| | Descript. | Catalog No. | Descript. | Catalog No. |
|---|---|---|---|---|
| Device Boxes | 1-Gang Low Profile | **PDB12LP** | 1-Gang Deep | **PDB12D** |
| | 1-Gang Standard | **PDB12S** | Round Lighting Fixture | **PDB12LF** |
| | 2-Gang Deep Undivided | **PDB12TGLV** | 2-Gang Deep Divided | **PDB12TGD** |
| Fittings | Internal Elbow Base and Cover | **PL1IEBC** | Internal Elbow Cover Only | **PL1IE** |
| | External Elbow Base and Cover | **PL1EEBC** | External Elbow Cover Only | **PL1EE** |
| | Flat Elbow Base and Cover | **PL1FEBC** | Flat Elbow Cover Only | **PL1FE** |
| | Tee Base and Cover | **PL1TCBC** | Tee Cover Only | **PL1TC** |
| | Splice Cover | **PL1SC** | Safety Strap | **PL1SS** |
| | Conduit Adapter/ Ceiling Fitting | **PT12CA** | Conduit Adapter/ Ceiling Fitting | **PLP1CACF** |
| | End Cap | **PL1EC** | | |

*Note: For additional colors add "BK" for Black or "W" for white.*
*See page S-56 for additional information.*

## Plates, Frames and Modular Connector Fittings

### 1-Gang and 2-Gang "KP" Plates

| Color | Catalog Number | Catalog Number | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|---|---|
| Black<br>White<br>Off. White | **KP8BK**<br>**KP8W**<br>**KP8**<br>Duplex | **KP26BK**<br>**KP26W**<br>**KP26**<br>Style Line® | **KP1BK**<br>**KP1W**<br>**KP1**<br>Toggle | **KP7BK**<br>**KP7W**<br>**KP7**<br>Recept. (1.41 ID) | **KP720BK**<br>**KP720W**<br>**KP720**<br>Recept. (1.60 ID) |
| Black<br>White<br>Off. White | **KP14BK**<br>**KP14W**<br>**KP14**<br>Blank | **KP212BK**<br>**KP212W**<br>**KP212**<br>Coax (2) | **KP2140BK**<br>**KP2140W**<br>**KP2140**<br>Jack/Coax | **KP2162BK**<br>**KP2162W**<br>**KP2162**<br>Modular Jacks (2) | **KP2163BK**<br>**KP2163W**<br>**KP2163**<br>Modular Jacks (3) |
| Black<br>White<br>Off. White | **KPORTBK**<br>**KPORTW**<br>**KPORTOW**<br>Ortronics Series II® Data Module | **KPPANBK**<br>**KPPANW**<br>**KPPANOW**<br>Panduit Mini-Com® Data Module | **KPIMBZBK**<br>**KPIMBZW**<br>**KPIMBZOW**<br>3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section Y) | | |
| Black<br>White<br>Off. White | **KP82BK**<br>**KP82W**<br>**KP82**<br>2-Gang Duplex | **KP262BK**<br>**KP262W**<br>**KP262**<br>2-Gang Style Line® | **KP2BK**<br>**KP2W**<br>**KP2**<br>2-Gang Toggle | **KP24BK**<br>**KP24W**<br>**KP24**<br>2-Gang Blank | |

*Note: 2-Gang "KP" plates, for use with PT12TGB and PW1TGB only.*

### Comm. "IFP" Plates & Frames

| Color | Catalog Number | Catalog Number | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|---|---|
| Office White | **IFP126OW**<br>Style Line® | **ISF2OW**<br>Style Line®<br>2-Port | **ISF3OW**<br>Style Line®<br>3-Port | **ISF4OW**<br>Style Line®<br>4-Port | **ISF6OW**<br>Style Line®<br>6-Port |
| Office White | **IFP18OW**<br>Duplex | **BR106C**<br>Duplex<br>2-Port | **Q106O**<br>Duplex<br>4-Port | **IFP12OW**<br>Flush<br>2-Port | **IFP13OW**<br>Flush<br>3-Port |
| Office White | **IFP14OW**<br>Flush<br>4-Port | **IFP16OW**<br>Flush<br>6-Port | **IFP26OW**<br>2-Gang<br>6-Port | **IFP29OW**<br>2-Gang<br>9-Port | **IFP212OW**<br>2-Gang<br>12-Port |

### Frames & Modules

| Description | Color | 1-Gang | 2-Gang |
|---|---|---|---|
| Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section Y for additional information on Hubbell iSTATION modules. Each gang accepts 3 module units. | Office White | **IMF1OW** | **IMF2OW** |

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZOW bezel and appropriate Hubbell iSTATION modules located in section Y. See section Y for additional information on modular connectors.

### Modular Connector Fittings

| Color | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|
| Office White | **SFFX**<br>F-Connector | **SFSTSOW**<br>ST Fiber Connector | **SFB10**<br>Blank<br>(10 Pack) |
| Black housing only | **SFRC110R**<br>RCA 110 Punchdown | **SFSV110BK**<br>Super S-Video | **FASTSCDSC6**<br>SC to ST Duplex Adapter |

### Xcelerator Modular Jacks

| Color | Catalog Number | Catalog Number | Catalog Number |
|---|---|---|---|
| Office White | **HXJ5EOW**<br>Cat. 5e, T568A, T568B, RJ45 | **HXJ6OW**<br>Cat. 6, T568A, T568B, RJ45 | **HXJUOW**<br>6 Position USOC, RJ25 |

*Note: See section Y for additional Hubbell Xcelerator modular jacks and colors.*

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*Ortronics® and Series II® are registered trademarks of Ortronics/Legrand.*

## Wire Fill Capacity Chart and Technical Information

### Non-Metallic Raceway Wire Fill Capacities

| | | | Power (THHN/T90 Nylon) | | | Voice | | Data (Copper Cables) | | | | | Data (Multimode Fiber Optic Cables) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 14 AWG | 12 AWG | 10 AWG | 4–Pair | 25–Pair | Type RG59U | Cat. 5e | Cat. 6 | Cat. 6A | Cat. 6 STP | (2) or (4) Fiber Round Cable | Fiber Optic Jumpers | Fiber Optic Zip Cord |
| | | Wire O.D. (in.): | 0.111 | 0.13 | 0.164 | 0.19 | 0.41 | 0.242 | 0.21 | 0.25 | 0.35 | 0.29 | 0.19 | 0.118 | .12 X .24 |
| | | Wire Area (sq. in.): | 0.0097 | 0.0133 | 0.0211 | 0.0283 | 0.1320 | 0.0460 | 0.0346 | 0.0491 | 0.0962 | 0.0660 | 0.0283 | 0.0109 | 0.0288 |
| Series | Channel | Channel Area (sq. in.) | Wire Fill Capacity | | | 40% | 40% | 40% | 40% | 40% | 40% | 40% | 40% | 40% | 40% |
| PT1 | A | 0.29 | 5 | 8 | 5 | 4 | 1 | 3 | 3 | 2 | 1 | 2 | 4 | 11 | 4 |
| PP1 | A | 0.38 | 12 | 11 | 8 | 5 | 1 | 3 | 4 | 3 | 2 | 2 | 5 | 14 | 5 |
| PL1 | A | 1.03 | 42 | 34 | 22 | 15 | 3 | 9 | 12 | 8 | 4 | 6 | 15 | 38 | 14 |
| PW1 | A | 0.30 | 6 | 10 | 4 | 4 | 0 | 2 | 3 | 2 | 1 | 2 | 4 | 11 | 4 |
| PW2 | A+B | 1.60 | 41 | 36 | 22 | 23 | 5 | 14 | 18 | 13 | 7 | 10 | 23 | 59 | 22 |
| A B | A | 0.81 | 12 | 22 | 12 | 11 | 2 | 7 | 9 | 7 | 3 | 5 | 11 | 30 | 11 |
| | B | 0.79 | 12 | 22 | 10 | 11 | 2 | 7 | 9 | 6 | 3 | 5 | 11 | 29 | 11 |
| PB2 | A+B | 5.72 | 60 | 36 | 45 | 81 | 17 | 50 | 66 | 47 | 24 | 35 | 81 | 210 | 79 |
| A B | A or B | 2.86 | 42 | 30 | 28 | 40 | 9 | 25 | 33 | 23 | 12 | 17 | 40 | 105 | 40 |
| PB3 | A+B+C | 5.57 | 60 | 36 | 45 | 79 | 17 | 48 | 64 | 45 | 23 | 34 | 79 | 204 | 77 |
| A B C | A or C | 1.80 | 42 | 30 | 28 | 25 | 5 | 16 | 21 | 15 | 7 | 11 | 25 | 66 | 25 |
| | B | 1.97 | 42 | 30 | 28 | 28 | 6 | 17 | 23 | 16 | 8 | 12 | 28 | 72 | 27 |
| PS3 | A+B+C | 10.58 | 72 | 66 | 78 | 150 | 32 | 92 | 122 | 86 | 44 | 64 | 150 | 388 | 147 |
| A B C | A or C | 3.41 | 42 | 36 | 42 | 48 | 10 | 30 | 39 | 28 | 14 | 21 | 48 | 125 | 47 |
| | B | 3.76 | 42 | 36 | 42 | 53 | 11 | 33 | 43 | 31 | 16 | 23 | 53 | 138 | 52 |

*Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.*

### Recommended Plate to Box Compatibility Selection Chart

| Non-Metallic Raceway Box Series | | PS3 Series | | | | PB3 Series | | | | | PB2 Series | PDB12 Series | | | PT12 & PW1 Series | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plate Style | Sample Catalog Number | IND | FCIB | FCIB2G | FCIB3G | IND | IND2G | FCIB | FCIB2G | FCIB3G | IND2G | LP, S, D | TGD | TGLV | LP(B), S(BA), D(BA) | TGB |
| 1-Gang KP Series Plate | KP8 | X | X | X | X | X | X | X | X | X | X | X | X | | X | |
| 1-Gang KP Series Bezel | KPIMBZ | X | X | X | X | X | X | X | X | X | X | X | X | | X | |
| 1-Gang Standard Data Plate | IFP12OW | | X | X | X | X | | X | X | X | | X | | | X | |
| 1-Gang iSTATION Plate Frame | IMF1OW | | X | X | X | X | | X | X | X | | X | | | X | |
| Style Line® Data Plate | IFP126OW | | X | X | X | X | | X | X | X | | X | | | X | |
| Duplex Data Plate | IFP18OW | | X | X | X | X | | X | X | X | | X | | | X | |
| 2-Gang iSTATION Plate Frame | IMF2OW | | | | | | | | | | | | | X | | X |
| 2-Gang Standard Data Plate | IFP29OW | | | | | | | | | | | | | X | | X |
| 2-Gang KP Series Plate | KP82 | | | | | | | | | | | | | | | X |

*Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.*

**Physical Properties (When tested in accordance with UL 5A)**

| | |
|---|---|
| Impact Resistance | 5 ft. lbs. |
| Crush Resistance | 300 lbs. |
| Temperature Range | -25.6° to 158° F |
| Flame Rating | UL94V-0 |
| Material | UV Stabilized PVC |

**Codes/Standards**

| | |
|---|---|
| EIA/TIA | 569A |
| UL Standard | UL 5A |
| Listings | E118895 / E119190 |
| CSA Standard | C22.2 no. 62 |
| Certified | LR87514 |

**PlugTrak Specifications**

| | |
|---|---|
| Receptacle Rating | NEMA 5-15R & 5-20R |
| Wire | #12 AWG Stranded Copper |
| Receptacle Face | Thermoplastic |

## Pre-Wired Raceway Systems

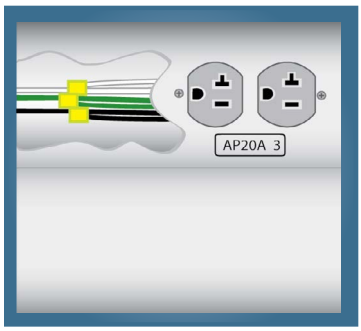
***Hubbell has been setting the standard*** in the electrical industry since 1888, through innovations such as Twist-Lock®, Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with ***Pre-Wired Raceway Systems*** that are manufactured to your specifications.

***Our Pre-Wired Raceway Systems*** will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

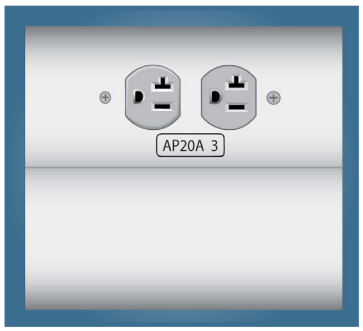
***Pre-Wired Raceways are available in:***

- ✓ Steel (Ivory and Gray)
- ✓ Aluminum (Satin Anodized)
- ✓ Non-Metallic (Office White)

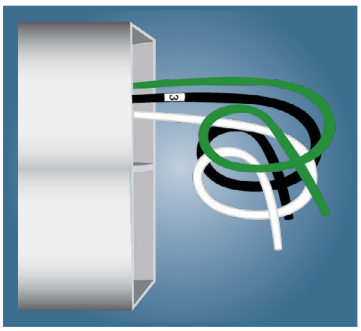





**Quality by Design**
All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified. Each raceway receives a 100% quality inspection and testing prior to shipment. Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell.




**Labeling and Engraving**
Optional labeling is available to identify branch panels and circuits at receptacle locations. Choose from adhesive labels or engraved aluminum plates.



**Wire Identification**
Wire leads are clearly labeled with corresponding circuit numbers. This aids the installer when terminating to building wiring or connecting from duct to duct. Ample wire is provided at feed locations.

UL LISTED CSA CERTIFIED

## Pre-Wired Raceway Systems

### Save Time and Money, Completing the Job Quicker and On Schedule, with Hubbell…

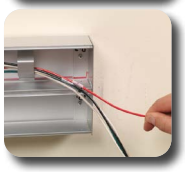
***With Standard Raceway...***



Unpack, identify and sort component parts.
Deliver components to work area for assembly and installation.



Measure and cut.
Clean and de-burr sharp edges.
Secure to the wall and fasten.



Pull wire.
Label and bundle each raceway circuit.
Install receptacles and test.

***With Hubbell Pre-Wired Raceway...***



Pallet delivered to your worksite, labeled by room, floor area and/or building.



Unpack and install!



Installed in half the time!





### *Project Support and Documentation*

- ✓ A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.
- ✓ A project engineer, located at the factory, is assigned to your project as a direct point of contact.

### *Manufacturing and Testing*

- ✓ Precisely measured, cleanly cut, wired and assembled to your specifications.
- ✓ The wiring harness is then bundled and labeled for circuit identification for ease of installation.
- ✓ Assembly is tested for assured continuity and 100% quality inspected before kitting.





### *Installs In A Snap*

- ✓ Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.
- ✓ Just remove raceway from the packaging and secure to the wall.
- ✓ Make power connections, snap on covers, test and you are done!




### Options:




***Circuit Identification and Labeling:***

- ✓ Adhesive Labeling
- ✓ Engraving



***Wiring Circuits Options:***

- ✓ Insulation Displacement Connectors
- ✓ Wire Nuts
- ✓ Wiring Devices



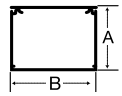
***Kit raceway for delivery by:***

- ✓ Room
- ✓ Floor
- ✓ Area
- ✓ Building

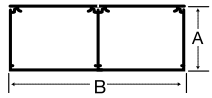
## Features and Benefits

## Aluminum Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

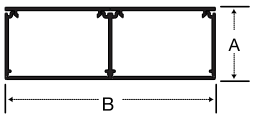
### HBLALU3800 Series Aluminum Raceway

| Description | | Dimension |
|---|---|---|
| Aluminum Raceway, Single Channel, Satin Anodized Finish. |  | A: 2.25" (57.15)<br>B: 3.00" (76.20) |

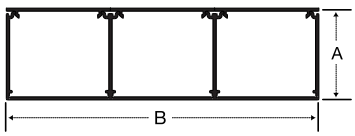
### HBLALU4800 Series Aluminum Raceway

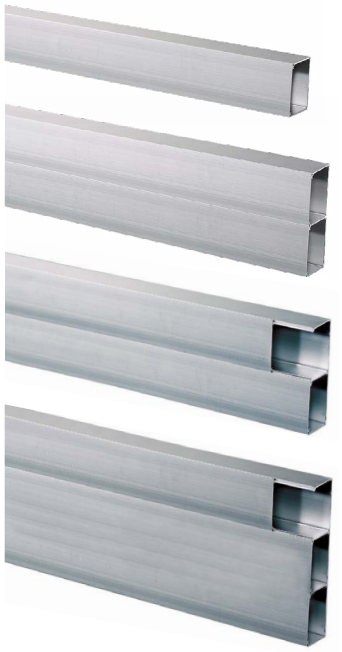
| Description | | |
|---|---|---|
| Aluminum Raceway, Two Channel, Satin Anodized Finish. |  | A: 2.25" (57.15)<br>B: 6.00" (152.40) |

### HBLALU5000 Series Aluminum Raceway

| Description | | |
|---|---|---|
| Aluminum Raceway, Two Channel, Satin Anodized Finish. |  | A: 1.75" (44.45)<br>B: 5.08" (129.03) |

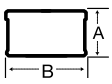
### HBLALU7620 Series Aluminum Raceway

| Description | | |
|---|---|---|
| Aluminum Raceway, Three Channel, Satin Anodized Finish. |  | A: 2.25" (57.15)<br>B: 7.62" (193.55) |

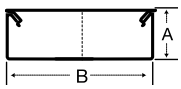


## Steel Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

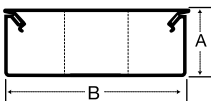
### HBL3000 Series Metal Raceway

| Description | | |
|---|---|---|
| Steel Raceway, Single Channel, Ivory or Gray Finish. |  | A: 1.53" (38.86)<br>B: 2.75" (69.85) |

### HBL4750 Series Metal Raceway

| Description | | |
|---|---|---|
| Steel Raceway, Single or Two Channel (with Divider), Ivory or Gray Finish. |  | A: 1.75" (44.45)<br>B: 4.75" (120.65) |

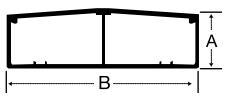
### HBL6750 Series Metal Raceway

| Description | | |
|---|---|---|
| Steel Raceway, Single, Two Channel (with One Divider) or Three Channel (with Two Dividers), Ivory or Gray Finish. |  | A: 2.22" (56.39)<br>B: 6.75" (171.45) |

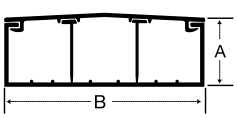


## Non-Metallic Pre-Wired Raceway

### PB2 BaseTrak® Series Non-Metallic Raceway

| Description | | |
|---|---|---|
| Non-Metallic Raceway, Two Channel, Office White Color. |  | A: 1.63" (41.40)<br>B: 4.50" (114.30) |

### PS3 Super BaseTrak® Series Non-Metallic Raceway

| Description | | |
|---|---|---|
| Non-Metallic Raceway, Three Channel, Office White Color. |  | A: 1.97" (50.04)<br>B: 6.70" (170.18) |



*Dimensions in Inches (mm)*

## Features and Benefits




### UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections

Hubbell Pre-Wired Metal Raceway with LINKOSITY® connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

The Hubbell Metal Raceway/LINKOSITY combination can be provided as a factory assembled system or by having a licensed electrician purchase and field install the required LINKOSITY components into the metal raceway.

| Features | Benefits |
|---|---|
| UL Listed, NEC Compliant assemblies | Complete code compliance minimizes design time, startup costs and building inspector acceptance. |
| Flexible, modular terminations | Simplifies moves, adds and changes.<br>Reduces long term total cost of ownership. |
| Pre-configured, factory wired | Minimizes field wiring. Devices are custom configured to the application, tested and ready to install. |
| Cable rated TC-ER, MTW, STOOW | One cable suitable for use in all commercial applications |
| In-line 106 data/communications frame | Data/Communications may be field installed anywhere along the raceway eliminating large boxes. |

LINKOSITY®

| Device Type | Ratings | Wires | Conductor Colors** | Length (FT) |
|---|---|---|---|---|
| **PH** = Double Ended Cable with Male/Female Straight<br>**PM** = Male Single Ended Straight<br>**PN** = Male Single Ended 90°<br>**PF** = Female Single Ended Straight<br>**PG** = Female Single Ended 90°<br>**PQ** = Double Ended Cable with Female 90°<br>**PR** = Double Ended Cable with Male 90°<br>**PS** = Double Ended Cable with (2) 90° Connectors<br>**RF** = Female Receptacle*<br>**RM** = Male Receptacle (Inlet)*<br>** ½ inch NPT rear thread* | **20** = 20A up to 600V | **02**<br>**03**<br>**04**<br>**05** | **PA** = Green/Yellow Black (all others)<br>**PB** = Green/Yellow White Black (all others)<br>**PE** = All Blue***<br>***other color codes available upon request.*<br>****Two wire only.* | **001** = 1'<br>**005** = 5'<br>**010** = 10'<br>**015** = 15'<br>**020** = 20'<br>**025** = 25'<br>**030** = 30'<br>**035** = 35'<br>**040** = 40'<br>**045** = 45'<br>**050** = 50' |
| | **23** = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices) | **03**<br>**04**<br>**05**<br>**06** | | |
| | **30** = 30A up to 600V | **04** | | |

**Example:** **PH** **23** **06** **PB** **005**



### Cable Assemblies

The LINKOSITY® cable assemblies are code compliant with the NEC and NFPA 79, and suitable for use in virtually any environment as either a permanent or temporary installation.



### Receptacles

The UL Listed LINKOSITY® male inlets or female receptacles provide the capability of interfacing directly with facility wiring by simply mounting into established fixed enclosures.



### Closure Caps

Protects unused devices from the harmful effects of harsh environments.



### Tees

| Description | Catalog Number |
|---|---|
| LINKOSITY® M/F/F Tee, 20A, 2P | **TX2002002002T00** |
| LINKOSITY® M/F/F Tee, 20A, 3P | **TX2003002003T00** |
| LINKOSITY® M/F/F Tee, 20A, 4P | **TX2004002004T00** |
| LINKOSITY® M/F/F Tee, 20A, 5P | **TX2005002005T00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, 4P | **TX2304002304T00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, 6P | **TX2306002306T00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, A Phase Tap | **TX2306002304A00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, B Phase Tap | **TX2306002304B00** |
| LINKOSITY® M/F/F Tee, 20A SNIG, C Phase Tap | **TX2306002304C00** |
| LINKOSITY® M/F/F Tee, 30A, 4P | **TX3004003004T00** |

### Specifications

| Material | |
|---|---|
| Raceway | Steel, Anodized Aluminum |
| LINKOSITY Cables | UL 600V Type TC-ER, MTW, STOOW, polyurethatne overmolded terminations |

| Codes/Standards | |
|---|---|
| Raceway | UL5, surface metal raceway and fittings<br>C22.2 no. 62, surface metal raceway and fittings<br>TIA/EIA 569B, commercial building standard for telecom pathways and spaces |
| LINKOSITY | UL2238, UL50 |

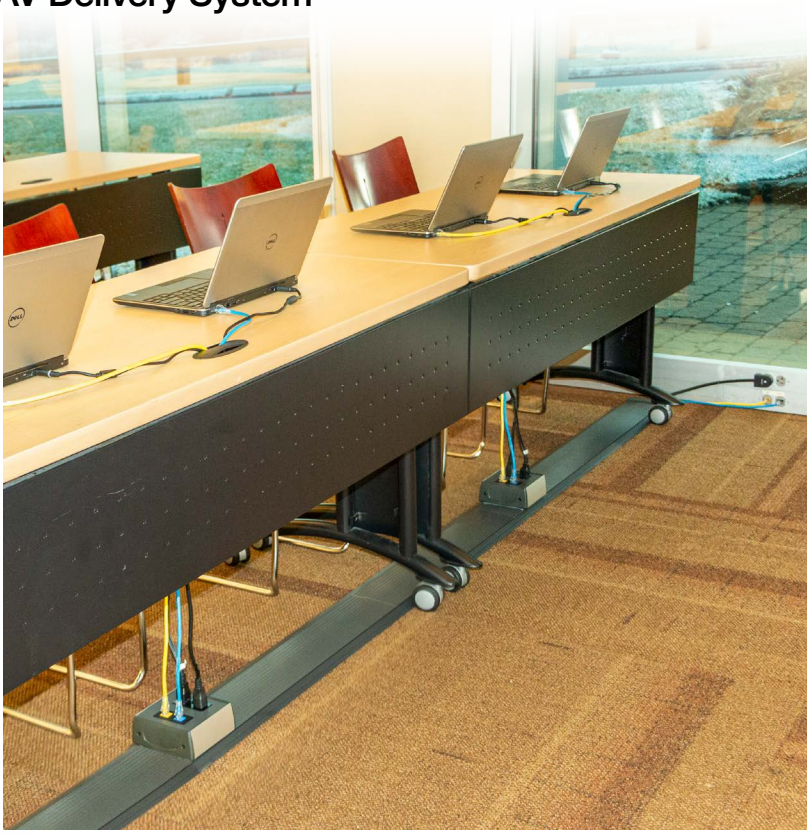
# FloorTrak™ PRO System

## Modular On-Floor Power, Data and AV Delivery System

- cULus Listed
  - All In One Kits assembled from cULus Listed items
- ADA Compliant
- Power and Data Separations
- Abrasion Resistant Edges

***Safely route power and data over floor and in floor with a low profile system***

- Wall to conference table
- Under furniture
- Wall feeds in low and high profiles
- Removable dividers and knockouts



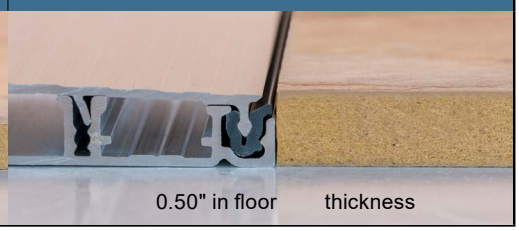


Dark Gray Finish

Aluminum Finish



| | | |
|---|---|---|
| Left channel: | 0.29 $in^2$ | Up to 8x #12 THHN conductors |
| Center channel: | 0.67 $in^2$ | Up to 9x 0.215 inch diameter conductors |
| Right channel: | 0.29 $in^2$ | Up to 8x #12 THHN conductors |

| Surface Mount | Variable Mount | Flush Mount |
|---|---|---|
|  |  0.21" to 0.375" in floor thickness |  0.50" in floor thickness |



## FloorTrak™ PRO Track

**Include:**
- Precision cut extruded aluminum base and covers
- Surface and variable edges
- Splices included

| | Description | Aluminum | Dark Gray |
|---|---|---|---|
| Track | 6' Length, Base, Cover and Edges | **HBLFMR6A** | **HBLFMR6DG** |
| | 3' Length, Base, Cover and Edges | **HBLFMR3A** | **HBLFMR3DG** |
| | 1' Length, Base, Cover and Edges | **HBLFMR1A** | **HBLFMR1DG** |
| | 1', 2' & 3' Lengths, Base, Cover and Edges | **HBLFMR123A** | **HBLFMR123DG** |
| Angles | 45 Degrees | **HBLFMC45A** | **HBLFMC45DG** |
| | 90 Degrees | **HBLFMC90A** | **HBLFMC90DG** |
| | T-Fitting | **HBLFMTA** | **HBLFMTDG** |





| | Description | Catalog Number |
|---|---|---|
| Accessories | Flush Mount Edges, 4 pieces, 3' each | **HBLFMRFE** |
| | Steel Splices, 6pk | **HBLFMSPL** |

## FloorTrak™ PRO Ends

**Include:**
- Cover with concealed hardware



| | Description | Aluminum | Dark Gray |
|---|---|---|---|
| Wall Feed | Wall Feed, Low Profile | **HBLFMWLA** | **HBLFMWLDG** |
| | Wall Feed, High Profile | **HBLFMWHA** | **HBLFMWHDG** |
| | Wall Feed, from Raceway | **HBLFMWRA** | **HBLFMWRDG** |

| | Description | Catalog Number |
|---|---|---|
| Accessories | Track End Stop, Dark Gray | **HBLFMES** |
| | Track End with Cable Out, Dark Gray | **HBLFMEX** |
| | Transition Fitting for 4" Fire Rated Poke Thru, Dark Gray | **HBLFMWPF** |
| | Transition Fitting for PowerPole, Device Fitting included, Dark Gray | **HBLFMWPB** |
| | Transition Fitting for Conduit, Dark Gray | **HBLFMWCF** |

## All In One Kits

Prewired fitting and easy to configure kits with all components needed for a total solution that is ready to use.

**Include:**
- 1', 2', and 3' precision cut bases and covers
- Surface mount and variable mount edge
- Wired device fitting
- Splices for Trak



| | Description | Aluminum | Dark Gray |
|---|---|---|---|
| Wired Device Box | 2 Gang: 2X NEMA 5-15R Duplex, 9'10" Cord | **HBLFMPDD10A** | **HBLFMPDD10DG** |
| | 2 Gang: 2X NEMA 5-15R Duplex, 15'6" Cord | **HBLFMPDD15A** | **HBLFMPDD15DG** |
| | 2 Gang: 1X NEMA 5-15R Duplex, 1 w/ USB, 9'10" Cord | **HBLFMPUD10A** | **HBLFMPUD10DG** |
| | 2 Gang: 1X NEMA 5-15R Duplex, 1 w/ USB, 15'6" Cord | **HBLFMPUD15A** | **HBLFMPUD15DG** |



## FloorTrak™ PRO Device Fittings

**Include:**
- Configurable device fitting for configuring with power and data

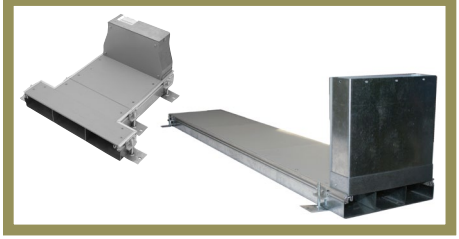
| | Description | Catalog Number |
|---|---|---|
| Accessories | 2-Gang Deco: 1 Power & 1 Data | **HBLFMD1P1D** |
| | 2-Gang Deco: 2 Power | **HBLFMD2P** |
| | 2-Gang Deco: 2 Data | **HBLFMD2D** |
| | 3-Gang Deco: 2 Power & 1 Data | **HBLFMD2P1D** |
| | 3-Gang Deco: 1 Power & 2 Data | **HBLFMD1P2D** |
| | 2-Gang; 1 Deco, 1 KO (¾" + 1"): 1 Power & 1 Data | **HBLFMD1D1K** |

# SECTION T

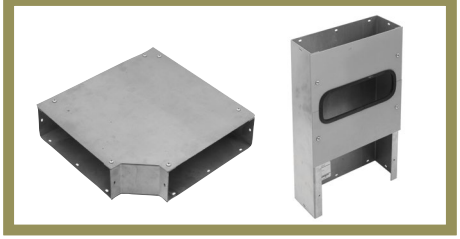
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Hubbell Wall Duct Series



Hubbell Underfloor Duct Series

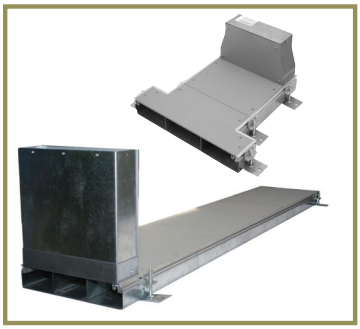



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## Products at a Glance



### Hubbell Trench Duct Series

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines.



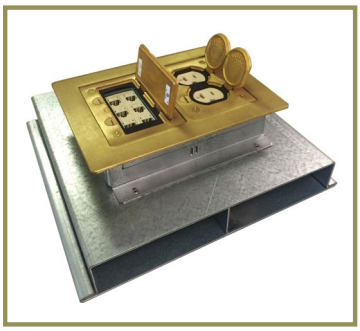
### Hubbell Wall Duct Series

The Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.



### Hubbell Underfloor Duct Series

The Hubbell Underfloor Duct system is an in-slab wire management product for delivering power, voice and data services for applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries.



### Underfloor Duct Raceway Activation Kits

- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- ScrubShield® Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed

## Features and Benefits

### A high capacity trench system for in-floor wire management.

The Hubbell Trench System is a UL listed in-floor wire management system that meets today's high capacity wiring needs requiring multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment, such as X-Ray and MRI machines. Trench duct is also used as a stand alone system for commercial and retail applications where ease of access and high capacity are crucial.




### Multiple compartments provide more capacity than conventional ducts.

The Hubbell Trench System provides more capacity than conventional conduits and ducts. It features a single, high-capacity duct with multi-compartments for easy placement of additional wiring.

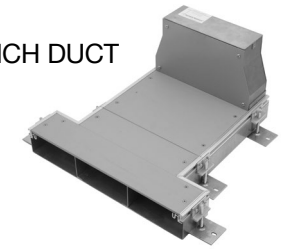
Its open top design allows wiring to be laid in the duct instead of being pulled, eliminating the need for junction boxes.

Removable covers are ¼" thick and lock into the track of the trench. Internal dividers and/or support strips increase load capacity of heavy-duty covers. These removable covers allow free access to wiring and can be placed anywhere along the duct for easy wire exit relocation.

- High capacity design supports large wiring for single and multiple service requirements
- Open top design allows wire to be easily laid in duct
- Cover plates are removable and adjust horizontally to any point along the duct. Custom lengths of trench and fittings are available. Provided in either galvanized G90 steel or nonferrous aluminum.
- Multiple compartment options allows for multiple circuit and low voltage separation
- Innovative duct support assembly allows for pre-pour leveling
- Packaging and labeling by project floor and room is available

WALL DUCT STRAIGHT VERTICAL RISER

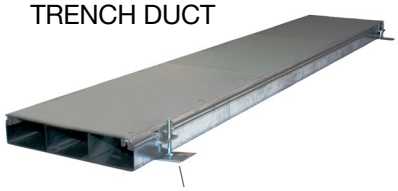
TRENCH DUCT

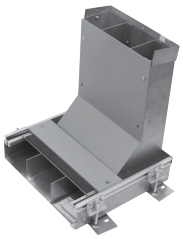


WALL DUCT STRAIGHT VERTICAL RISER

WALL DUCT SWEEP VERTICAL RISER

TRENCH DUCT





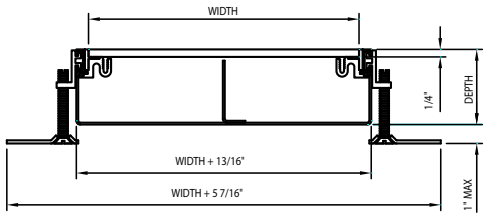


TRENCH DUCT REDUCING FITTING

COMBINATION COUPLER & LEVELING TOOL

TRENCH DUCT

TRENCH DUCT




### Trench Duct Range of Offering

| Trench Product | Depth ½" Increments | Width | Compartments | Cover Plate |
|---|---|---|---|---|
| **OKA** = Trench<br>**OKB** = Pull Box<br>**OKC** = Exit Cover<br>**OKE** = End Cap<br>**OKL** = Horizontal L<br>**OKR** = Vertical Riser<br>**OKT** = T Junction Box<br>**OKX** = X Junction Box | **A** = 2"<br>**B** = 2½"<br>**C** = 3"<br>**D** = 3½"<br>**E** = 4"<br>**J** = 6"<br>**N** = 8"<br>(Other Depths Available) | **6**<br>**9**<br>**12**<br>**18**<br>**24**<br>(Other Widths Avail.) | **1C** = 1 Compartment<br>**2C** = 2 Compartment<br>**3C** = 3 Compartment<br>**4C** = 4 Compartment | **1/4** = ¼" thick |

*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

## Hubbell Trench Duct Series and Fittings

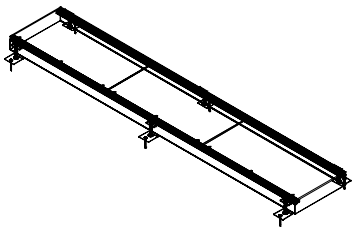
*Ordering Information Notes:*

*1. Common use sizes are listed below. Contact factory for other configurations or see page 2 for Range of Offering table.*

*2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

### Trench Duct

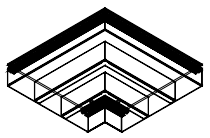
| Description | Trench Depth | Cover Width | No. of Compartments | Catalog Number |
|---|---|---|---|---|
| **Straight Section** Manufactured in standard 6' lengths with factory installed dividers. Provided with (3) leveling feet/couplers on each side, (3) 24" long cover plates and (3) cover plate joint protectors. Leveling feet permits 1" of vertical pre-pour adjustment. Consult factory for additional vertical adjustment. | 2½" | 9" | 1 | **OKA/B9-1C-1/4** |
| | 3" | 9" | 2 | **OKA/C9-2C-1/4** |
| | 2½" | 12" | 2 | **OKA/B12-2C-1/4** |
| | 3" | 12" | 3 | **OKA/C12-3C-1/4** |
| | 2½" | 18" | 3 | **OKA/B18-3C-1/4** |
| | 3" | 18" | 4 | **OKA/C18-4C-1/4** |
| | 2½" | 24" | 3 | **OKA/B24-3C-1/4** |
| | 3" | 24" | 4 | **OKA/C24-4C-1/4** |

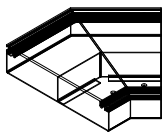


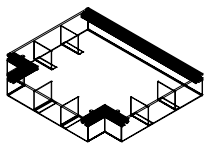
*Note: For Alumimum Trench Duct or Fittings, add **"AL"** suffix to catalog number.*

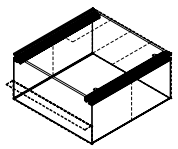
### Fittings

| Description | Outside Cover | No. of Compartments | Catalog Number |
|---|---|---|---|
| **Horizontal "L" Fitting** Manufactured with a single cover and matching internal partitions to form a 90° horizontal "L". Includes cover plate joint protectors and leveling feet. | 12" x 12" | 1 | **OKL/B9-1C-1/4** |
| | 12" x 12" | 2 | **OKL/C9-2C-1/4** |
| | 15" x 15" | 2 | **OKL/B12-2C-1/4** |
| | 15" x 15" | 3 | **OKL/C12-3C-1/4** |
| | 21" x 21" | 3 | **OKL/B18-3C-1/4** |
| | 21" x 21" | 4 | **OKL/C18-4C-1/4** |
| | 27" x 27" | 3 | **OKL/B24-3C-1/4** |
| | 27" x 27" | 4 | **OKL/C24-4C-1/4** |
| **Horizontal 45° Elbow Fitting** Manufactured with a split cover plate and matching internal partitions to form a 45° Mitered "L". Other angles available. Includes cover plate joint protectors and leveling feet. | 45° | 1 | **OKL45/B9-1C-1/4** |
| | 45° | 2 | **OKL45/C9-2C-1/4** |
| | 45° | 2 | **OKL45/B12-2C-1/4** |
| | 45° | 3 | **OKL45/C12-3C-1/4** |
| | 45° | 3 | **OKL45/B18-3C-1/4** |
| | 45° | 4 | **OKL45/C18-4C-1/4** |
| | 45° | 3 | **OKL45/B24-3C-1/4** |
| | 45° | 4 | **OKL45/C24-4C-1/4** |
| **Single Level "T" Junction Fitting** Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet. | 15" x 12" | 1 | **OKT/B9-1C-1/4** |
| | 15" x 12" | 2 | **OKT/C9-2C-1/4** |
| | 18" x 15" | 2 | **OKT/B12-2C-1/4** |
| | 18" x 15" | 3 | **OKT/C12-3C-1/4** |
| | 24" x 21" | 3 | **OKT/B18-3C-1/4** |
| | 24" x 21" | 4 | **OKT/C18-4C-1/4** |
| | 30" x 27" | 3 | **OKT/B24-3C-1/4** |
| | 30" x 27" | 4 | **OKT/C24-4C-1/4** |
| **Pull Box** Manufactured to attach to trench section replacing end cap. Divided into compartments as required. Additional depth permits attachment of large conduits. Box is field punched for conduits. Standard depth is 6." Also available as a stand-alone **SPOKB** solid-sided floor box with trench rails on all 4 sides. Consult factory for details | 9" x 12" | 1 | **OKB/B9-1C-1/4** |
| | 9" x 12" | 2 | **OKB/C9-2C-1/4** |
| | 12" x 12" | 2 | **OKB/B12-2C-1/4** |
| | 12" x 12" | 3 | **OKB/C12-3C-1/4** |
| | 18" x 12" | 3 | **OKB/B18-3C-1/4** |
| | 18" x 12" | 4 | **OKB/C18-4C-1/4** |
| | 24" x 12" | 3 | **OKB/B24-3C-1/4** |
| | 24" x 12" | 4 | **OKB/C24-4C-1/4** |



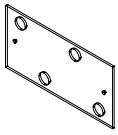


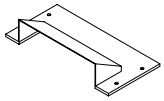




### Exit Cover Fittings

| Description | Trench Width | Catalog Number |
|---|---|---|
| **Exit Cover** Designed to provide exit and feed for Trench Duct. Conduit openings are provided for power and communication exit or feed using conventional conduit fittings or service fittings. Exit Cover may be placed anywhere along the length of the trench. All Exit Covers are 6" long. Hole sizes and placement are specified at time of order. | 9" | **OKC/9-xx** |
| | 12" | **OKC/12-xx** |
| | 18" | **OKC/18-xx** |
| | 24" | **OKC/24-xx** |
| **Access Hood** Similar to Exit Cover except provided with a louvered opening for communication cables. Consult factory for custom Access Hoods. | 9" | **OKHOOD-9** |
| | 12" | **OKHOOD-12** |
| | 18" | **OKHOOD-18** |
| | 24" | **OKHOOD-24** |





## Hubbell Trench Duct Fittings

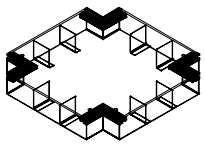
*Ordering Information Notes:*
*1. Common use sizes are listed below. Contact factory for other configurations or see page 2 for Range of Offering table.*
*2. Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

### Fittings

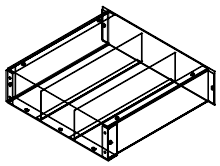
| Description | Fits Trench Dim. (Width x Depth) | Max Trade Size Conduit | Catalog Number |
|---|---|---|---|
| **End Cap** Fits over end of trench run to close trench and prevent foreign material from entering. End cap may be drilled to accept conduit. | 9" x 2½" | ¾" | **OKE/B9** |
| | 9" x 3" | 1" | **OKE/C9** |
| | 12" x 2½" | ¾" | **OKE/B12** |
| | 12" x 3" | 1" | **OKE/C12** |
| | 18" x 2½" | ¾" | **OKE/B18** |
| | 18" x 3" | 1" | **OKE/C18** |
| | 24" x 2½" | ¾" | **OKE/B24** |
| | 24" x 3" | 1" | **OKE/C24** |



| Description | Outside Cover | No. of Compartments | Catalog Number |
|---|---|---|---|
| **Single Level "X" Junction Fitting** Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet. | 15" x 15" | 1 | **OKX/B9-1C-1/4** |
| | 15" x 15" | 2 | **OKX/C9-2C-1/4** |
| | 18" x 18" | 2 | **OKX/B12-2C-1/4** |
| | 18" x 18" | 3 | **OKX/C12-3C-1/4** |
| | 24" x 24" | 3 | **OKX/B18-3C-1/4** |
| | 24" x 24" | 4 | **OKX/C18-4C-1/4** |
| | 30" x 30" | 3 | **OKX/B24-3C-1/4** |
| | 30" x 30" | 4 | **OKX/C24-4C-1/4** |

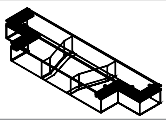


| Description | Fits Trench Width | No. of Compartments | Catalog Number |
|---|---|---|---|
| **Vertical Riser Fitting (Straight)** Manufactured to transition from trench duct to a panel, pull box or to conduit. Mounts on trench in place of cover. Partitioned to separate cells and flanged to attach to a pull box or panel. Removable front cover and top cover. Standard height above finish floor —12". Standard depth —3½". Available in a sweep version (replace OKR with OKSWR) | 9" | 1 | **OKR/D9-1C** |
| | 9" | 2 | **OKR/D9-2C** |
| | 12" | 2 | **OKR/D12-2C** |
| | 12" | 3 | **OKR/D12-3C** |
| | 18" | 3 | **OKR/D18-3C** |
| | 18" | 4 | **OKR/D18-4C** |
| | 24" | 3 | **OKR/D24-3C** |
| | 24" | 4 | **OKR/D24-4C** |

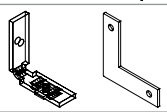


### Additional Fittings

| Description | Trench Width #1 | Trench Width #2 | Catalog Number |
|---|---|---|---|
| **Reducer Fitting** Manufactured to transition from a wide trench duct width to a narrower trench duct width. | 9" | 6" | **OKARED/B9-6-2C-1/4** |
| | 12" | 9" | **OKARED/B12-9-3C-1/4** |
| | 18" | 12" | **OKARED/B18-12-3C-1/4** |
| | 24" | 18" | **OKARED/B24-18-4C-1/4** |



| | | | |
|---|---|---|---|
| **Fastening Angles** Accessories to join trench sections for field fabrication of horizontal and vertical assemblies. | Horizontal Angle | — | **OK/VWI** |
| | Vertical Angle | — | **OK/VVW** |

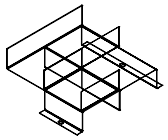


### Trench Duct Accessories

| Description | Accessory Type | Catalog Number |
|---|---|---|
| Permits 1" of pre-pour vertical adjustment and couples sections together. "x" represents screw height (max. 6") and height of trench. Additional vertical adjustment is available by increasing the length of screw "x". | Single Leveling Foot Assembly | **OK/F-x** |
| Provides a 1½" wide surface (with gasket) for cover plate joints. "x" represents trench width. | Single Cover Plate Joint Protector | **OK/DSD-x** |
| Separates trench duct compartments. "x" represents trench depth (see catalog number system). | Divider | **OKP/x** |
| Provided with 5/16 x 18 bolts on 6" or 12" centers for increased cover plate weight loading capability. | Support Stud Strip | **Consult Factory** |

### Tunnel Fittings

| Description | Type | No. of Compartments | Catalog Number |
|---|---|---|---|
| **Tunnels** Factory installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be ordered separately and field installed. | "T" Unit | 2, 3, or 4 | **Consult Factory** |
| | "X" Unit | 2, 3, or 4 | **Consult Factory** |



# Trench and Wall Duct Products

## Features and Benefits

The Hubbell Wall Duct Series is a UL Listed metal raceway system designed for the enclosure of wiring for MRI or X-Ray equipment in medical applications. The system provides complete lay-in wiring capability in order to accommodate the large cables and connectors used in today's installations.

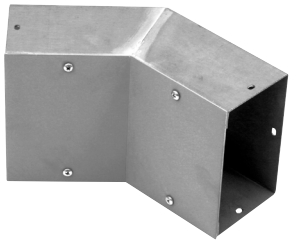
Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.



Wall Duct is available in ferrous steel and non-ferrous aluminum versions.

- Lay in wiring accommodates large cables and connectors to connect equipment
- Corrosion resistant galvannealed A60 steel or non ferrous aluminum versions
- Steel Wall Duct is provided with unpainted bodies and gray primered cover plates. Custom painted wall duct is available
- Flush (primarily wall) and Surface (primarily ceiling) mount provides flexibility to address specific equipment placement and unique room design requirements
- Hubbell Wall Duct is utilized with Hubbell Trench Duct
- Packaging and labeling by project floor and room is available

45 DEGREE INTERNAL ELBOW





WALL DUCT WITH SPLIT COVER PLATE

HORIZONTAL ELBOW



SWEEP VERTICAL RISER



TRENCH DUCT

## Wall Duct Range of Offering

| Wall Duct Product | | Depth ½" Increments | Width | Cover Style |
|---|---|---|---|---|
| **OWA** = Wall Duct | **OWI** = Internal Elbow | **A** = 2" | **6** | **S** = Surface |
| **OWB** = Adapter | **OWL** = External Elbow | **B** = 2½" | **10** | **F** = Flush |
| **OWC** = Coupling | **OWP** = Partition | **C** = 3" | **12** | |
| **OWD** = Reducer Coupling | **OWR** = Vertical Riser | **D** = 3½" | **18** | |
| **OWE** = End Closure | **OWT** = T Unit | **E** = 4" | (Other Widths Available) | |
| **OWF** = Cabinet Connector | **OWV** = Trench to Wall Duct Adapter | **J** = 6" | | |
| **OWH** = Horizontal Elbow | **OWX** = X Unit | **N** = 8" (Other Depths Available) | | |

*Note: For Alumimum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

## Hubbell Wall Duct Series and Fittings

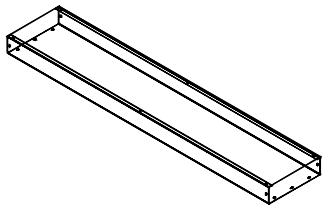
*Ordering Information Notes:*

*1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.*

*2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

**Wall Duct**

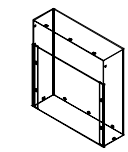
| Description | Overall Depth | Body Width | Cover Width | Flush Catalog Number | Cover Width | Surface Catalog Number |
|---|---|---|---|---|---|---|
| **Wall and Ceiling Duct**<br>Manufactured in standard 60" lengths with two 30" long cover plates. Provided with one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWA/D10F**<br>**OWA/D12F**<br>**OWA/D18F** | 10"<br>12"<br>18" | **OWA/D10S**<br>**OWA/D12S**<br>**OWA/D18S** |

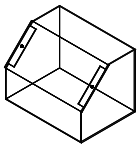


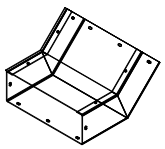
*Note: For Alumimum Wall Duct or Fittings, add **"AL"** suffix to catalog number.*

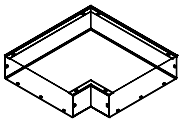
**Elbow Fittings**

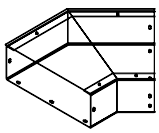
| Description | Overall Depth | Body Width | Cover Width | Flush Catalog Number | Cover Width | Surface Catalog Number |
|---|---|---|---|---|---|---|
| **Internal Elbow**<br>Forms a sharp 90° Internal "L" Provided with one cover plate, one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWI/D10F**<br>**OWI/D12F**<br>**OWI/D18F** | 10"<br>12"<br>18" | **OWI/D10S**<br>**OWI/D12S**<br>**OWI/D18S** |
| **Internal Elbow, Sweep**<br>Forms a chamfered 90° Internal "L" for increased cable bend radius. Provided with one cover plate, one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWSWI/D10F**<br>**OWSWI/D12F**<br>**OWSWI/D18F** | 10"<br>12"<br>18" | **OWSWI/D10S**<br>**OWSWI/D12S**<br>**OWSWI/D18S** |
| **Internal 45° Elbow**<br>Forms a 45° Internal "L" Provided with one cover plate, one coupling and necessary screws. Also available as an External 45° elbow. Replace "OWI" with "OWL" in catalog number | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWI45/D10F**<br>**OWI45/D12F**<br>**OWI45/D18F** | 10"<br>12"<br>18" | **OWI45/D10S**<br>**OWI45/D12S**<br>**OWI45/D18S** |
| **Horizontal Elbow**<br>Forms a 90° Horizontal "L" Provided with one cover plate, one coupling and necessary screws. Corner divider "OWCP" ordered separately. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWH/D10F**<br>**OWH/D12F**<br>**OWH/D18F** | 10"<br>12"<br>18" | **OWH/D10S**<br>**OWH/D12S**<br>**OWH/D18S** |
| **Horizontal 45° Elbow**<br>Forms a 45° Horizontal "L" Provided with one cover plate, one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWH45/D10F**<br>**OWH45/D12F**<br>**OWH45/D18F** | 10"<br>12"<br>18" | **OWH45/D10S**<br>**OWH45/D12S**<br>**OWH45/D18S** |
| **External Elbow**<br>Forms a sharp 90° External "L" Provided with two cover plates, one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWL/D10F**<br>**OWL/D12F**<br>**OWL/D18F** | 10"<br>12"<br>18" | **OWL/D10S**<br>**OWL/D12S**<br>**OWL/D18S** |

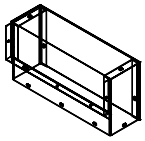












*Note: Images shown are surface mount.*

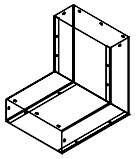
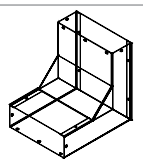
## Hubbell Wall Duct Fittings

*Ordering Information Notes:*

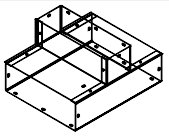
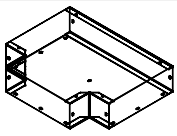
*1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.*

*2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

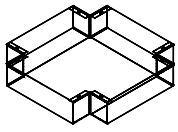
### Internal / External Elbows

| Description | Overall Depth | Body Width | Cover Width | Flush Catalog Number | Cover Width | Surface Catalog Number | |
|---|---|---|---|---|---|---|---|
| **Internal / External Elbow** Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | —<br>—<br>— | —<br>—<br>— | 10"<br>12"<br>18" | **SPOWI/D10S**<br>**SPOWI/D12S**<br>**SPOWI/D18S** |  |
| **Internal / External Elbow, Sweep** Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | —<br>—<br>— | —<br>—<br>— | 10"<br>12"<br>18" | **SPOWSWI/D10S**<br>**SPOWSWI/D12S**<br>**SPOWSWI/D18S** |  |

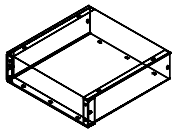
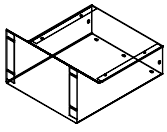
### "T" Units

| Description | Overall Depth | Body Width | Cover Width | Flush Catalog Number | Cover Width | Surface Catalog Number | |
|---|---|---|---|---|---|---|---|
| **Vertical "T" Unit** Forms a 90° Vertical "T". Provided with three cover plates, two couplings and necessary screws. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWVT/D10F**<br>**OWVT/D12F**<br>**OWVT/D18F** | 10"<br>12"<br>18" | **OWVT/D10S**<br>**OWVT/D12S**<br>**OWVT/D18S** |  |
| **Horizontal "T" Unit** Forms a 90° Horizontal "T". Provided with one cover plate, one coupling and necessary screws. Tunnels are ordered separately. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWT/D10F**<br>**OWT/D12F**<br>**OWT/D18F** | 10"<br>12"<br>18" | **OWT/D10S**<br>**OWT/D12S**<br>**OWT/D18S** |  |

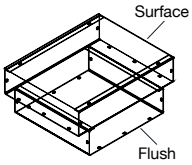
### "X" Unit

| Description | Overall Depth | Body Width | Cover Width | Flush Catalog Number | Cover Width | Surface Catalog Number | |
|---|---|---|---|---|---|---|---|
| **"X" Unit** Forms intersection of four perpendicular ducts. Provided with one cover plate, two coupling and necessary screws. Tunnels are ordered separately. | 3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16" | 12"<br>14"<br>20" | **OWX/D10F**<br>**OWX/D12F**<br>**OWX/D18F** | 10"<br>12"<br>18" | **OWX/D10S**<br>**OWX/D12S**<br>**OWX/D18S** |  |

### Vertical Riser Fittings

| Description | For Trench Width | For Wall Duct (Width x Depth) | Flush Catalog Number | Surface Catalog Number | |
|---|---|---|---|---|---|
| **Vertical Riser Fitting, Straight** Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12" (7" for OWR/D12x10). Standard depth — 3½". Provided with one coupling and necessary screws. | 10"<br>12"<br>18"<br>12" | 10" x 3½"<br>12" x 3½"<br>18" x 3½"<br>10" x 3½" | **OWR/D10F**<br>**OWR/D12F**<br>**OWR/D18F**<br>**OWR/D12-10F** | **OWR/D10S**<br>**OWR/D12S**<br>**OWR/D18S**<br>**OWR/D12-10S** |  |
| **Vertical Riser Fitting, Sweep** Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12". Standard depth —3½". Provided with one coupling and necessary screws. | 10"<br>12"<br>18"<br>12" | 10" x 3½"<br>12" x 3½"<br>18" x 3½"<br>10" x 3½" | **OWSWR/D10F**<br>**OWSWR/D12F**<br>**OWSWR/D18F**<br>**OWSWR/D12-10F** | **OWSWR/D10S**<br>**OWSWR/D12S**<br>**OWSWR/D18S**<br>**OWSWR/D12-10S** |  |

### Adapter Fitting

| Description | Overall Depth | Flush Wall Duct Body Width | Surface Cover Width | Catalog Number | |
|---|---|---|---|---|---|
| **Flush to Surface Adapter** Transitions from flush wall duct to perpendicular surface wall duct. Provided with one cover plate, two couplings and necessary screws. | 3½"<br>3½"<br>3½"<br>3½" | 9 13/16"<br>11 13/16"<br>17 13/16"<br>17 13/16" | 10"<br>18"<br>12"<br>18" | **OWB/D10-10**<br>**OWB/D12-18**<br>**OWB/D18-12**<br>**OWB/D18-18** |  |

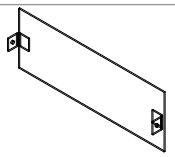
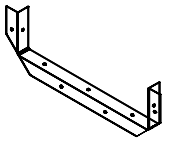
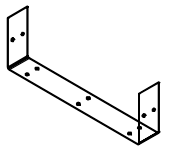
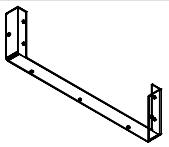
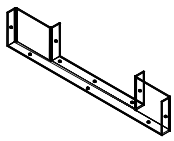
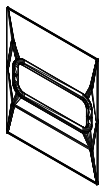
## Hubbell Wall Duct Fittings

*Ordering Information Notes:*

*1. Common use sizes are listed below.Contact factory for other configurations or see page 5 for Range of Offering table.*

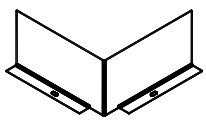
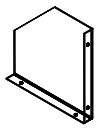
*2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

**Additional Fittings**

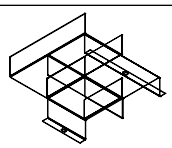
| Description | Overall Depth | Cover Width | Flush Catalog Number | Cover Width | Surface Catalog Number | |
|---|---|---|---|---|---|---|
| **End Cap**<br>Closes off end of wall duct.<br>Screws provided. | 3½"<br>3½"<br>3½" | 12"<br>14"<br>20" | **OWE/D10F**<br>**OWE/D12F**<br>**OWE/D18F** | 10"<br>12"<br>18" | **OWE/D10S**<br>**OWE/D12S**<br>**OWE/D18S** |  |
| **Cabinet Connector**<br>Connects wall duct to enclosures. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided. | 3½"<br>3½"<br>3½" | 12"<br>14"<br>20" | **OWF/D10**<br>**OWF/D12**<br>**OWF/D18** | 10"<br>12"<br>18" | **OWF/D10**<br>**OWF/D12**<br>**OWF/D18** |  |
| **Coupling**<br>Joins surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided. | 3½"<br>3½"<br>3½" | 12"<br>14"<br>20" | **OWC/D10**<br>**OWC/D12**<br>**OWC/D18** | 10"<br>12"<br>18" | **OWC/D10**<br>**OWC/D12**<br>**OWC/D18** |  |
| **Trench to Wall Duct Adapter**<br>Transitions from trench duct to a vertical run of wall duct when not using the OWR or OKR series Vertical Risers.<br>Mounts on trench in place of cover.<br>Provided with necessary screws. | 3½"<br>3½"<br>3½" | 12"<br>14"<br>20" | **OWV/D10**<br>**OWV/D12**<br>**OWV/D18** | 10"<br>12"<br>18" | **OWV/D10**<br>**OWV/D12**<br>**OWV/D18** |  |
| **Reducer Coupling**<br>Joins two sizes of surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided. | 3½"<br>3½" | 20" to 12"<br>20" to 14" | **OWD/D (18-10)**<br>**OWD/D (18-12)** | 18" to 10"<br>18" to 12" | **OWD/D (18-10)**<br>**OWD/D (18-12)** |  |
| **Split Cover Plate**<br>Provides wire egress from raceway.<br>Provided with assembly screws and grommet material. | —<br>—<br>— | 12"<br>14"<br>20" | **OWSC/10F**<br>**OWSC/12F**<br>**OWSC/18F** | 10"<br>12"<br>18" | **OWSC/10S**<br>**OWSC/12S**<br>**OWSC/18S** |  |

*Note: Grommet material is available to cover field cut openings in Wall Duct. Outside dimensions of grommet is ¼" x $^{5}/_{16}$" and is made from SBR rubber. Catalog number GROM-xx ("xx" represents length in feet).*

**Partitions Fittings**

| Description | For Overall Raceway Depth | For Fitting Style | | |
|---|---|---|---|---|
| | | Straight (Length 60") | Horizontal "L" | Internal Sweep Elbow |
| **Internal Duct Partitions**<br>Divides raceway and fittings into compartments. Screws provided. | 3½" | **OWP/D**<br> | **OWCP/D**<br> | **OWSWP/D**<br> |

**Tunnel Fittings**

| Description | Type | No. of Compartments | Catalog Number | |
|---|---|---|---|---|
| **Tunnels**<br>Field installed inside of multi-compartment "T" and "X" units to maintain separation of services. May be factory installed. | "T" Unit<br>"X" Unit | 2, 3, or 4<br>2, 3, or 4 | **Consult Factory**<br>**Consult Factory** |  |

# Underfloor Duct Products

**Features and Benefits**

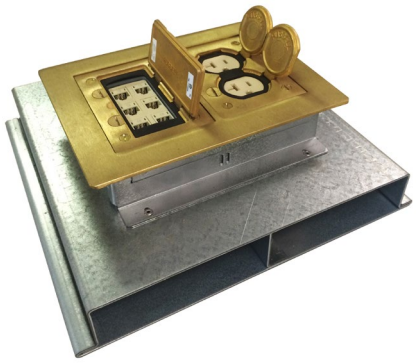
## Multi-Compartment Underfloor Duct Saves Time and Money for In-Slab Wire Management System

The Hubbell Underfloor Duct system is a UL listed in-slab wire management product for delivering power, voice and data services to applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries. This system is uniquely designed with multiple compartments, allowing unlimited design options and cost savings in labor and materials from other single-compartment systems. Matched with our strong national distribution and complete technical and application support, the Hubbell Underfloor Duct System is the perfect solution for your underfloor wire management needs.

- Eight duct profiles available to accommodate numerous in-slab wire management for power and communications.
- One-piece design multi-compartment duct, drastically reducing installation and material costs.
- Standard insert heights ranging from 1 to 3 inches (other heights available).
- Inclusive tile trim in square-top junction boxes, providing the installer the on-site option of using the trim or leaving it recessed.
- Combination duct coupler/support, reducing material and labor costs using the same part to join raceway sections together and to support/level the duct.
- Activation inserts are pre-assembled to the duct, or the inserts can be purchased separately for field installation only where you need them.
- Heavy duty junction boxes are available for areas requiring high-concentrated floor loads.
- Meets or exceeds UL 884 specifications, assuring a fully UL Listed system.



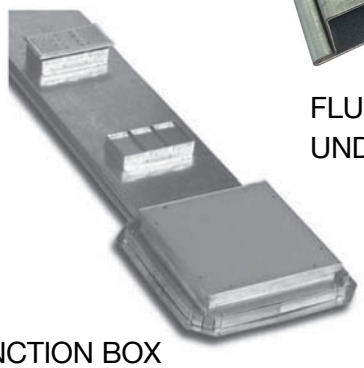
ACTIVATION KIT



RECTANGULAR INSERT
UNDERFLOOR DUCT

## Flush Insert Duct Benefits

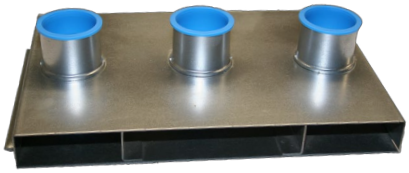
- Provides an aesthetic wire management solution for delivering power and communications services.
- Unique multi-gang flush inserts with removable voltage dividers provide the flexibility of installing multiple gangs of the same service at each insert location.
- Individual gangs can be activated as needed, to minimize costs.
- Activation trims accept standard Hubbell floor box covers for power and data, available in aluminum and brass.



FLUSH INSERT
UNDERFLOOR DUCT

JUNCTION BOX

ROUND INSERT
UNDERFLOOR DUCT

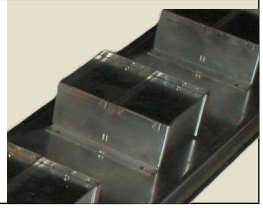


## Conventional, Flush and Blank Underfloor Duct Profiles

*Ordering Information Note:*
*Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers.*
*Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

- Provided in standard 10 ft. lengths
- 14 gauge, G90 galvanized steel
- 2 Inch IPS (Iron Pipe Size) round inserts are die-cast zinc. Reducing bushings provided by others
- Rectangular inserts are 14 gauge, G90 galvanized steel
- All duct profiles are available as Blank duct (no inserts), with factory installed 2" IPS Round Inserts or with Rectangular Inserts on 12" or 24" centers except as noted below. Consult factory for custom Insert spacing.

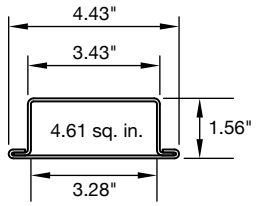
### Catalog Number System

| | SP202F - | 2 - | 12 | |
|---|---|---|---|---|
| | **Profile** | **Insert Height** | **Insert Spacing** | |
| **Round Insert Duct and Blank Duct** | **201**<br>**201W**<br>**202**<br>**SP202**<br>**202W**<br>**203**<br>**203F**<br>**204** | **B** = Blank<br>**15** = 1 ½"<br>**2** = 2"<br>**25** = 2 ½"<br>**3** = 3"* | **12** = 12"<br>**24** = 24"<br><br>n/a for Blank Duct |  |
| **Flush Insert Duct** | **201F**<br>**201WF**<br>**202F**<br>**SP202F**<br>**202WF**<br>**203F** | **B** = Blank (203F only)<br>1 = 1" (201F & 201 WF only)<br>**15** = 1 ½"**<br>**2** = 2"<br>**25** = 2 ½"<br>**3** = 3"* | **12** = 12"<br>**24** = 24"<br><br>n/a for Blank Duct |  |

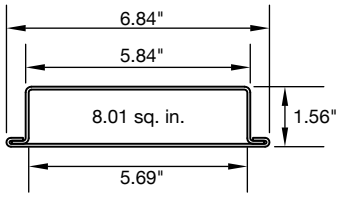
*Note: *Consult factory for heights greater than 3". ** 1 ½" min. required for duplex receptacles.*

### Dimensions

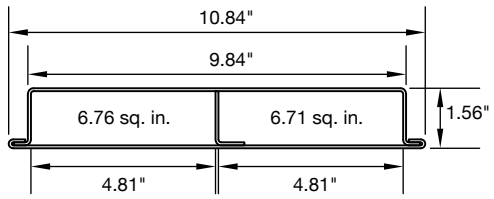
#### 201 & 201F



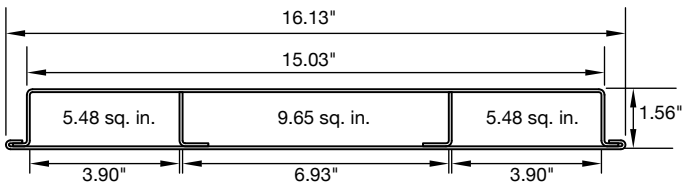

#### 201W & 201WF



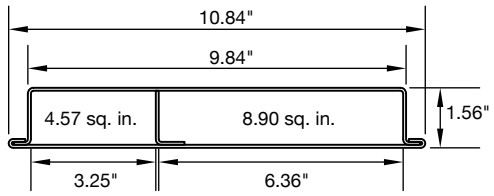

#### 202 & 202F



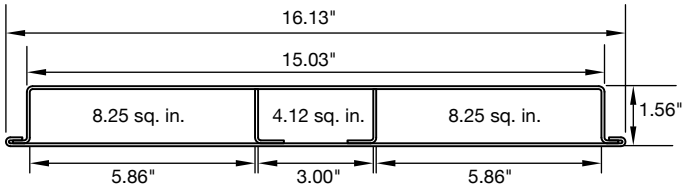

#### 203 (Available only as Blank or with 2" IPS Round Inserts)



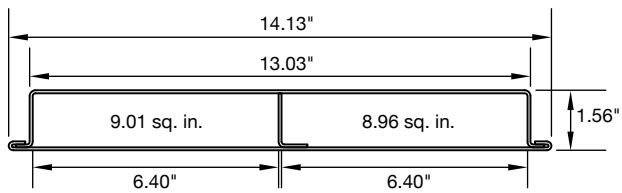

#### SP202 & SP202F



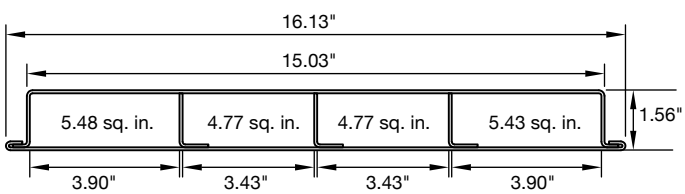

#### 203F




#### 202W & 202WF




#### 204 (Available only as Blank or with 2" IPS Round Inserts)

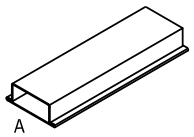


## Technical Information and Wire Fill Capacity Chart

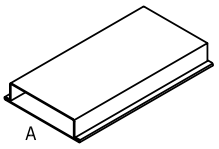
*Ordering Information Note:*
*Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers.*
*Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

| | | | Duct Profile | 201 201F | 201W 201WF | 202 202F | | SP202 SP202F | | 202W 202WF | | 203 | | | 203F | | | 204 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Channel Cross Sectional Area (sq. in.) | 4.61 | 8.01 | 6.76 | 6.71 | 4.57 | 8.9 | 9.01 | 8.96 | 5.48 | 9.65 | 5.48 | 8.25 | 4.12 | 8.25 | 5.48 | 4.77 | 4.77 | 5.43 |
| | | | Channel | A | A | A | B | A | B | A | B | A | B | C | A | B | C | A | B | C | D |
| **Cable Type** | **Size** | **Approx. Dia. (in.)** | **Approx. Area (sq in.)** | | | | | | | | | | | | | | | | | | |
| Power (THHN) | 14 AWG | 0.111 | 0.0097 | 190 | 331 | 279 | 277 | 188 | 367 | 372 | 370 | 226 | 398 | 226 | 341 | 170 | 341 | 226 | 197 | 197 | 224 |
| | 12 AWG | 0.130 | 0.0133 | 138 | 241 | 203 | 202 | 137 | 268 | 271 | 270 | 165 | 290 | 165 | 248 | 124 | 248 | 165 | 143 | 143 | 163 |
| | 10 AWG | 0.164 | 0.0211 | 87 | 151 | 128 | 127 | 86 | 168 | 170 | 169 | 103 | 182 | 103 | 156 | 78 | 156 | 103 | 90 | 90 | 102 |
| | 8 AWG | 0.216 | 0.0366 | 50 | 87 | 73 | 73 | 49 | 97 | 98 | 97 | 59 | 105 | 59 | 90 | 44 | 90 | 59 | 52 | 52 | 59 |
| Coax Cables | RG-6/U | 0.270 | 0.0573 | 32 | 55 | 47 | 46 | 31 | 62 | 62 | 62 | 38 | 67 | 38 | 57 | 28 | 57 | 38 | 33 | 33 | 37 |
| | RG-6/UQ | 0.298 | 0.0697 | 26 | 45 | 38 | 38 | 26 | 51 | 51 | 51 | 31 | 55 | 31 | 47 | 23 | 47 | 31 | 27 | 27 | 31 |
| LAN Cables | Cat 5e | 0.210 | 0.0346 | 53 | 92 | 78 | 77 | 52 | 102 | 104 | 103 | 63 | 111 | 63 | 95 | 47 | 95 | 63 | 55 | 55 | 62 |
| | Cat 6 | 0.250 | 0.0491 | 37 | 65 | 55 | 54 | 37 | 72 | 73 | 73 | 44 | 78 | 44 | 67 | 33 | 67 | 44 | 38 | 38 | 44 |
| | Cat 6A | 0.350 | 0.0962 | 19 | 33 | 28 | 27 | 18 | 37 | 37 | 37 | 22 | 40 | 22 | 34 | 17 | 34 | 22 | 19 | 19 | 22 |
| Fiber Optic Distribution Cables | 2-6 Strand | 0.190 | 0.0284 | 65 | 113 | 95 | 94 | 64 | 125 | 127 | 126 | 77 | 136 | 77 | 116 | 58 | 116 | 77 | 67 | 67 | 76 |
| | 8-12 Strand | 0.230 | 0.0415 | 44 | 77 | 65 | 64 | 43 | 85 | 86 | 86 | 52 | 92 | 52 | 79 | 39 | 79 | 52 | 45 | 45 | 52 |
| | 16-24 Strand | 0.350 | 0.0962 | 19 | 33 | 28 | 27 | 18 | 37 | 37 | 37 | 22 | 40 | 22 | 34 | 17 | 34 | 22 | 19 | 19 | 22 |

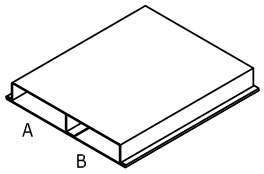
Note: Cable quantities shown in this chart are based on a 40% wire fill capacity. Sizes of COAX, LAN and Fiber Optic cables are provided for example only. Consult cable manufacturer's specification for exact cable sizes.



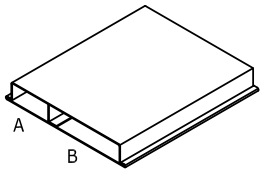

201 and 201F Series
Single Compartment



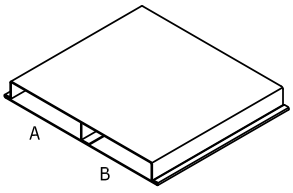

201W and 201WF Series
Single Wide Compartment



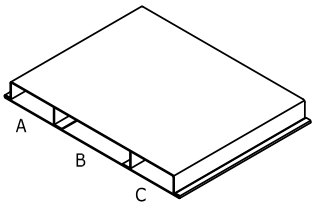

202 and 202F Series
Two Equal Compartments



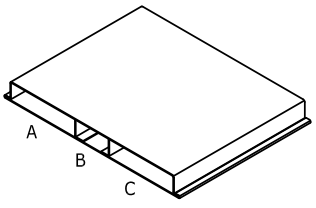

SP202 and SP202F Series
Modified Two Compartments



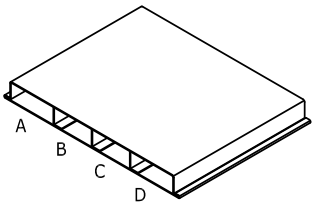

202W and 202WF Series
Two Equal Compartments




203 Series
Three Compartments




203F Series
Three Compartments



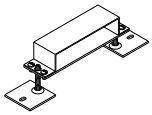
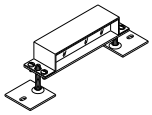
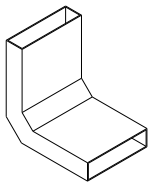
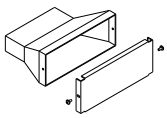
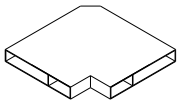
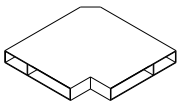
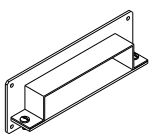

204 Series
Four Compartments

## Applicable Codes & Standards

- TIA/EIA 569-C "Commercial Building Standard for Telecommunications Pathways and Spaces"
- NEC Article 390 "Underfloor Raceways"
- Ampacity derating rules of NEC applies to conductors installed in Underfloor Raceways and Trench Duct
- UL Standard UL 884 "Underfloor Raceways and Fittings"
- UL Listed E75939 (Underfloor Raceway) & E304554 (Underfloor raceway Fittings)

## Underfloor Duct Raceway Fittings

*Ordering Information Note:*
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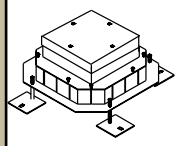
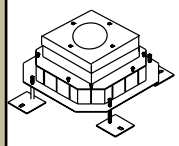
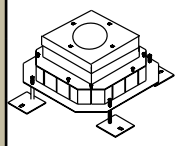
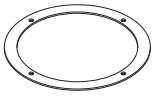
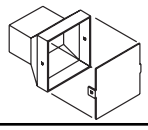
| | | | Flush Insert Duct | | | | | | Conventional Duct | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 201F | 201WF | 202F | SP202F | 202WF | 203F | 201 | 201W | 202 | SP202 | 202W | 203 | 204 |
| **Coupler Support** |  | Couples duct sections together and supports the duct. To be used every 5 feet of duct run. | **201-DCS** | ● | | | | | | ● | | | | | | |
| | | | **201W-DCS** | | ● | | | | | | ● | | | | | |
| | | | **202-DCS** | | | ● | ● | | | | | ● | ● | | | |
| | | | **202W-DCS** | | | | | ● | | | | | | ● | | |
| | | | **203-DCS** | | | | | | ● | | | | | | ● | ● |
| **End Cap Support** |  | Supports and closes unused duct ends. | **201-ECS** | ● | | | | | | ● | | | | | | |
| | | | **201W-ECS** | | ● | | | | | | ● | | | | | |
| | | | **202-ECS** | | | ● | ● | | | | | ● | ● | | | |
| | | | **202W-ECS** | | | | | ● | | | | | | ● | | |
| | | | **203-ECS** | | | | | | ● | | | | | | ● | ● |
| **Vertical Riser** |  | Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA. | **201-VEL** | ● | | | | | | ● | | | | | | |
| | | | **201W-VEL** | | ● | | | | | | ● | | | | | |
| | | | **202-VEL** | | | ● | | | | | | ● | | | | |
| | | | **SP202-VEL** | | | | ● | | | | | | ● | | | |
| | | | **202W-VEL** | | | | | ● | | | | | | ● | | |
| | | | **203-VEL** | | | | | | ● | | | | | | ● | |
| | | | **203F-VEL** | | | | | | ● | | | | | | | |
| | | | **204-VEL** | | | | | | | | | | | | | ● |
| **Universal Conduit Adapter** |  | Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations. (may also be inserted directly into Junction Boxes) | **201-UCA** | ● | | | | | | ● | | | | | | |
| | | | **201W-UCA** | | ● | | | | | | ● | | | | | |
| | | | **202-UCA** | | | ● | | | | | | ● | | | | |
| | | | **SP202-UCA** | | | | ● | | | | | | ● | | | |
| | | | **202W-UCA** | | | | | ● | | | | | | ● | | |
| | | | **203-UCA** | | | | | | ● | | | | | | ● | |
| | | | **203F-UCA** | | | | | | ● | | | | | | | |
| | | | **204-UCA** | | | | | | | | | | | | | ● |
| **Horizontal 90 Degree Elbow** |  SP202–HB90–NIR  SP202–HB90–NOR | Provides a horizontal 90 degree turn in floor duct. No hand access provided. Consult factory for other angles. SP202-HB90's must be specified either with the Narrow Compartment located at the inside radius (-NIR) or at the outside radius (-NOR) as shown in illustration. | **201-HB90** | ● | | | | | | ● | | | | | | |
| | | | **201W-HB90** | | ● | | | | | | ● | | | | | |
| | | | **202-HB90** | | | ● | | | | | | ● | | | | |
| | | | **SP202-HB90-NIR** | | | | ● | | | | | | ● | | | |
| | | | **SP202-HB90-NOR** | | | | ● | | | | | | ● | | | |
| | | | **202W-HB90** | | | | | ● | | | | | | ● | | |
| | | | **203-HB90** | | | | | | ● | | | | | | ● | |
| | | | **203F-HB90** | | | | | | ● | | | | | | | |
| | | | **204-HB90** | | | | | | | | | | | | | ● |
| **Cabinet Connector** |  | Provides a means for connecting duct to an electrical cabinet | **201-DCC** | ● | | | | | | ● | | | | | | |
| | | | **201W-DCC** | | ● | | | | | | ● | | | | | |
| | | | **202-DCC** | | | ● | ● | | | | | ● | ● | | | |
| | | | **202W-DCC** | | | | | ● | | | | | | ● | | |
| | | | **203-DCC** | | | | | | ● | | | | | | ● | ● |

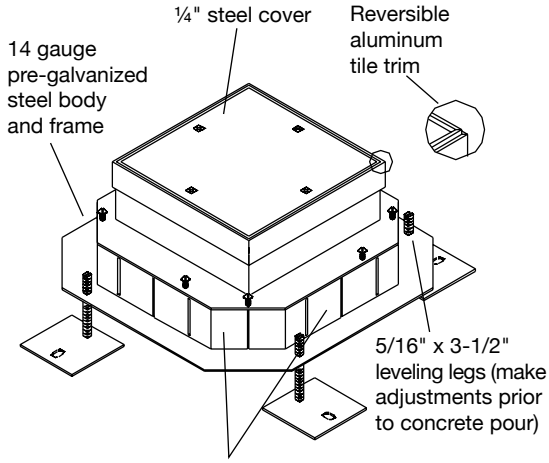
## Underfloor Duct Raceway Junction Boxes and Accessories

*Ordering Information Note:*
*Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

x = Preset Insert Height
1 = 1" (201F & 201WF only)
15 = 1 ½" *(min. required for duplex recept.)*
2 = 2"
25 = 2 ½"
3 = 3" (*consult factory for heights greater than 3"*)

## Underfloor Duct Raceway Junction Boxes and Accessories

| | | | Flush Insert Duct | | | | | | Conventional Duct | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 201F | 201WF | 202F | SP202F | 202WF | 203F | 201 | 201W | 202 | SP202 | 202W | 203 | 204 |
| Junction Box Square Access |  | For providing square opening access at intersections of Feeder Duct and Distribution Duct | **201-JB-x** | ● | | | | | | ● | | | | | | |
| | | | **201W-JB-x** | | ● | | | | | | ● | | | | | |
| | | | **202-JB-x** | | | ● | | | | | | ● | | | | |
| | | | **SP202-JB-x** | | | | ● | | | | | | ● | | | |
| | | | **202W-JB-x** | | | | | ● | | | | | | ● | | |
| | | | **203-JB-x** | | | | | | ● | | | | | | ● | |
| | | | **203F-JB-x** | | | | | | ● | | | | | | | |
| | | | **204-JB-x** | | | | | | | | | | | | | ● |
| Junction Box Round Access |  | For providing round opening access at intersections of Feeder Duct and Distribution Duct. Provided with Brass or Stainless Steel Carpet Ring<br>*Available in Stainless Steel. To order replace B with SS | **201-JB-x-RCB*** | ● | | | | | | ● | | | | | | |
| | | | **201W-JB-x-RCB*** | | ● | | | | | | ● | | | | | |
| | | | **202-JB-x-RCB*** | | | ● | | | | | | ● | | | | |
| | | | **SP202-JB-x-RCB*** | | | | ● | | | | | | ● | | | |
| | | | **202W-JB-x-RCB*** | | | | | ● | | | | | | ● | | |
| | | | **203-JB-x-RCB*** | | | | | | ● | | | | | | ● | |
| | | | **203F-JB-x-RCB*** | | | | | | ● | | | | | | | |
| | | | **204-JB-x-RCB*** | | | | | | | | | | | | | ● |
| Junction Box Heavy Duty Round Access |  | Same as above except cover plates are ⅜" thick and after-pour height adjustable. Carpet Rings and Closure Caps must be ordered separately.<br>Duct Entrance Cap - **HDJBDC**<br>Corner Cap - **HDJBCC** | **202-JB-x-HD-ADJ** | | | ● | | | | | | ● | | | | |
| | | | **SP202-JB-x-HD-ADJ** | | | | ● | | | | | | ● | | | |
| | | | **202W-JB-x-HD-ADJ** | | | | | ● | | | | | | ● | | |
| Carpet Ring for Heavy Duty Junction Boxes |  | ⅛" thick Carpet Trim for Heavy Duty Junction Boxes.<br>*Available in Stainless Steel. To order replace BRASS with SS | **RD-BRASS*-202-ADJ** | | | ● | | | | | | ● | | | | |
| | | | **RD-BRASS*-SP202-ADJ** | | | | ● | | | | | | ● | | | |
| | | | **RD-BRASS*-202W-ADJ** | | | | | ● | | | | | | ● | | |
| Junction Box Corner Conduit Adapter |  | Provides attachment point for conduit to each corner of all junction boxes. JB-CCA is provided with 14 gauge steel plate for field punched conduit opening. All other adapters are factory punched. | **JB-CCA** | | | | | | | | | | | | | |
| | | | **JB-CCA-1/2** | | | | | | | | | | | | | |
| | | | **JB-CCA-3/4** | | | | | | | | | | | | | |
| | | | **JB-CCA-1** | | | | | | | | | | | | | |
| | | | **JB-CCA-1-1/2** | | | | | | | | | | | | | |
| | | | **JB-CCA-2** | | | | | | | | | | | | | |




Removable pry-out sections for corner conduit adapters (JB-CCA series) and duct entrances. Additional blanking plates not required for unused junction box entrances. Blanking plates must be ordered separately for heavy duty junction boxes.

### Hubbell Trench Duct is commonly used as a feeder system for Underfloor Duct Raceway systems.

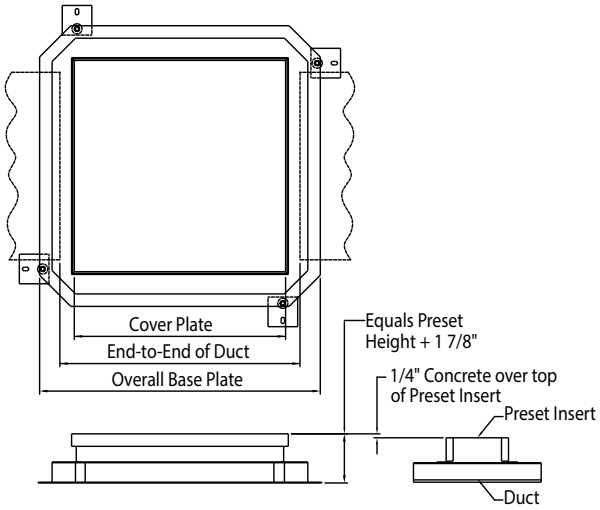


Factory assembled Trench/Underfloor duct intersect units allow unrestricted capacity by the elimination of tunnels. Side mounted Underfloor duct is available for shallow concrete pours. Consult factory for details.

- High capacity design supports large cables for single and multiple service requirements.
- Open top design allows cables to be easily laid in duct.
- Cover plates are removable and adjust horizontally to any point along the duct.
- Custom lengths of trench and fittings are available.
- Multiple compartments allow complete separation of services.
- Innovative duct support assembly allows for pre-pour leveling and acts as a splice for duct sections.

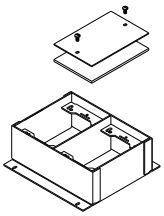
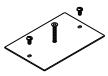
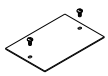
## Underfloor Duct Junction Box Dimensions

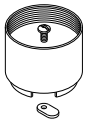
*Ordering Information Note:*
*Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part numbers. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*



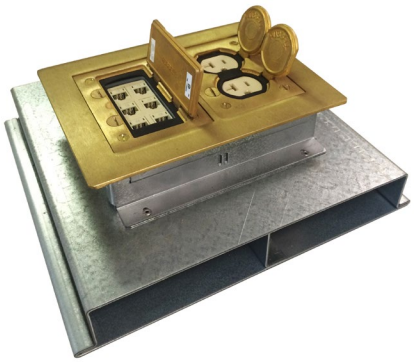

| Junction Box Catalog Number | Cover Plate | End-To-End Of Duct | Overall Base Plate |
|---|---|---|---|
| **201-JB-x**<br>**201-JB-x-RCx** | 6 5/16" | 8" | 10 ½" |
| **201W-JB-x**<br>**201W-JB-x-RCx** | 12 9/16" | 14 ½" | 17 13/16" |
| **202-JB-x**<br>**202-JB-x-RCx** | | | |
| **SP202-JB-x**<br>**SP202-JB-x-RCx** | | | |
| **202W-JB-x**<br>**202W-JB-x-RCx** | 17" | 19 5/8" | 22 11/16" |
| **203-JB-x**<br>**203-JB-x-RCx** | | | |
| **203F-JB-x**<br>**203F-JB-x-RCx** | | | |
| **204-JB-x**<br>**204-JB-x-RCx** | | | |
| **202-JB-x-HD-ADJ**<br>**SP202-JB-x-HD-ADJ** | 14" | 15 1/8" | 18 ½" |
| **202W-JB-x-HD-ADJ** | 17" | 18 1/8" | 21 ½" |

## Underfloor Duct Raceway Aftersets and Marker Caps

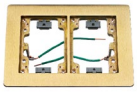
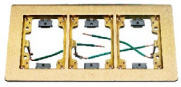
| | Flush Insert Duct | | | Description | Catalog Number |
|---|---|---|---|---|---|
| **Afterset Insert** |  | Provides means to add activation inserts in the field where needed prior to concrete pour. 14 gauge steel. | 1-Gang | 1 1/2" Insert Height | **DAIFA-1G-15** |
| | | | | 2" Insert Height | **DAIFA-1G-2** |
| | | | | 3" Insert Height | **DAIFA-1G-3** |
| | | | 2-Gang | 1 1/2" Insert Height | **DAIFA-2G-15** |
| | | | | 2" Insert Height | **DAIFA-2G-2** |
| | | | | 3" Insert Height | **DAIFA-2G-3** |
| | | | 3-Gang | 1 1/2" Insert Height | **DAIFA-3G-15** |
| | | | | 2" Insert Height | **DAIFA-3G-2** |
| | | | | 3" Insert Height | **DAIFA-3G-3** |
| **Marker Cap** |  | Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct. | | Insert Marker Cap: | |
| | | | | Zinc Screw | **FA-DMC-Z** |
| | | | | Brass Screw | **FA-DMC-B** |
| **Compart-ment Cover** |  | Used for abandoning preset opening (one per gang). 18 gauge steel. Customer is required to fill void over top of plate with concrete. | | Blank Cover | **FA-MC** |

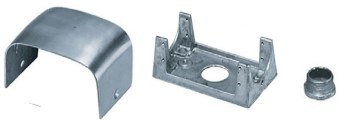
| | Round Insert Duct (Reducing Bushings Provided By Others) | | Description | Catalog Number |
|---|---|---|---|---|
| **Afterset Insert** |  | Provides means to add activation inserts in the field where needed prior to or after concrete pour. Zinc die cast. | 2 " Insert Height | **DAI-2** |
| | | | 3 " Insert Height | **DAI-3** |
| | | | 4 " Insert Height | **DAI-4** |
| **Marker Cap** |  | Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct. | Insert Marker Cap: | |
| | | | Zinc Screw | **DMC-Z** |
| | | | Brass Screw | **DMC-B** |

## Underfloor Duct Raceway Activation Kits



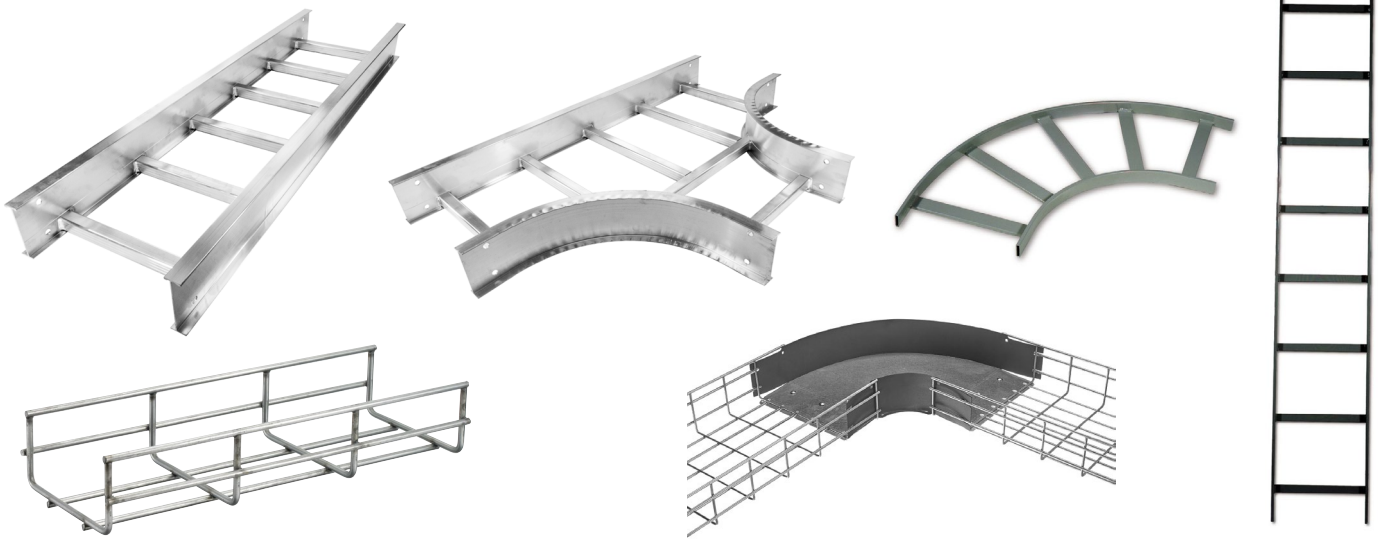
- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- Available with beveled edges. Consult factory for details
- ScrubShield® Complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed
- Blank Closure Plates are available to close off insert opening when abandoning Activation Kits. Plates are available in single, double and triple-gang configurations in brass, aluminum and stainless steel. Consult factory for additional information.

| | **Flush Insert Underfloor Duct** | Finish | 1-Gang 6" x 4.85" | 2-Gang 6" x 8.13" | 3-Gang 6" x 11.34" | |
|---|---|---|---|---|---|---|
| **Flanges** | Flanges are provided with adapter plates and accessories required for installing to rectangular Underfloor Duct preset inserts and aftersets. | Brass | **SB3083W-UFD** | **SB3084W-UFD** | **SB3085W-UFD** | |
| | | Aluminum | **SA3083W-UFD** | **SA3084W-UFD** | **SA3085W-UFD** | |
| | | |  |  |  | |
| **Covers** | All Covers 4.15" x 2.99" | | Duplex Flap | Duplex Screw | Style Line Decorator Opening | Combination 2⅛" x ¾" |
| | | Brass | **S3825** | **S3625** | **S3826** | **S2425** |
| | | Aluminum | **SA3825** | **SA3625** | **SA3826** | **SA2425** |
| | | |  |  |  |  |
| | | | Combination 2⅛" x 1" | 2⅛" Single Receptacle | 2⅜" Single Receptacle | Blank |
| | | Brass | **S2625** | **S2825** | **S3425** | **S3813** |
| | | Aluminum | **SA2625** | — | — | **SA3813** |
| | | |  |  |  |  |

| | **Round Insert Underfloor Duct** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Housing** | Die-cast aluminum frame, brushed aluminum housing, chase nipple, without plates | 1" Chase Nipple | **SC3099A** |  | | | | |
| | | ¾" Chase Nipple | **SC3098A** | | | | | |
| **Plates** | | Duplex Receptacle | Single Receptacle 1.39" (35.3 mm) opening | Style Line Decorator | Blank | Telephone bushing 1 in. I.D. and (2) ⅜" KO for coax | Furniture Feed aluminum plate with ¾" trade size KO | Furniture Feed aluminum plate, blank |
| | | **SS309D** | **SS309S** | **SS309DS** | **SS309B** | **SS309T** | **SS309SF** | **SS309BF** |
| | |  |  |  |  |  |  |  |

# SECTION U

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**Round and Flat Style Wire Basket Tray**



**Aluminum Ladder Tray**



**Steel Ladder Rack**




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# Wire Basket Tray System

## Innovative, Flexible, Field-Configurable Wire Basket Solutions

### Support Broad Range of Applications

Hubbell Wiring Systems offers a comprehensive Wire Basket Tray System to handle every application. From pre-galvanized solutions for commercial controlled interior environments to stainless steel versions for industrial applications such as food processing, marine and highly corrosive environments. Hubbell also features labor savings options including No-Splice supports which also reduce material cost and preformed fittings which offer tremendous productivity enhancement to the installer by eliminating field cuts that are required when fittings are configured in the field. Hubbell also offers painted trays in virtually any color needed. The painted tray is masked to reduce on-site paint removal saving time and money. Hubbell Wire Basket Tray Systems are available in overhead and raised floor designs. Complete shipments, job site location palletization and markings, and product customization make Hubbell the choice for every wire basket tray installation.



### Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance including developing a bill of material.

### Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized which is a significantly more environmentally friendly manufacturing process as compared to galvanizing dip. Pre-galvanizing applies a zinc galvanization to the wire PRIOR to fabrication. The galvanized wire(s) then welded and formed into the appropriate basket tray size. Hubbell's pre-galvanized finish performs the same as post-zinc plated production finish while avoiding secondary chemical processing.

### Sustainable Approach

Hubbell utilizes a sustainable approach to assist in maintaining the environment. Our wire basket tray systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft unbleached packaging. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.



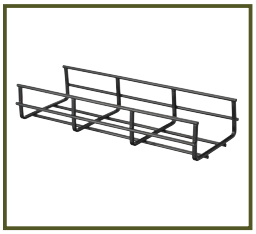
**Pre-Galvanized**

- Wire is galvanized prior to fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM A641



**Stainless Steel ✦**

- Type 304L and 316S
- Applications
  - Industrial
  - Marine
  - Food Processing
  - Outdoor
- Specification, ASTM A580



**Painted Finishes**

- Powder coat; Black is available as standard, other colors available as special order
- Applications
  - Data Center
  - Controlled Interiors
- Specification, N/A



**Electroplated Zinc ✦**

- Tray is galvanized after fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM B633

*Note: ✦Available as a special order.*
*Hot dip galvinized tray available as special order.*

# Wire Basket Tray System

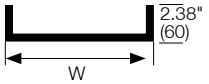
## Round Cross-Wire Basket Tray

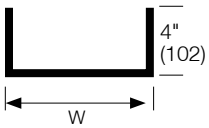


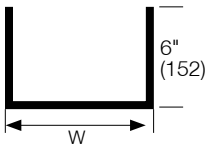
### Features

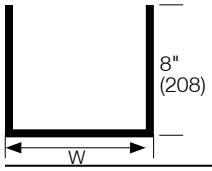
- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- 2" x 4" mesh opening
- Use factory support hardware or fabricate supports at the job site
- Painted tray includes factory installed masking to ensure proper grounding at splices; no need to remove paint during installation

| 10 Feet per Length<br>118.3" (3m)<br>10 pc. min. order qty. | Tray Width | Load (Lb/ft) | Tray Weight per Length (Lb) | Splice Quantity* | | Finish | |
|---|---|---|---|---|---|---|---|
| | | | | 90° Sweep Elbow | Straight Splice | Pre-Galvanized | Black Powder Coat |
| 2" Deep Tray | 4" (102) | 45 | 7 | 2 | 2 | **HBT0204** | **HBT0204BK** |
| | 6" (152) ● | 50 | 9 | 3 | 4 | **HBT0206** | **HBT0206BK** |
| | 8" (203) ● | 52 | 10.5 | 4 | 4 | **HBT0208** | **HBT0208BK** |
| | 12" (305) ● | 58 | 12 | 6 | 4 | **HBT0212** | **HBT0212BK** |
| | 16" (406) ● | 70 | 15 | 7 | 4 | **HBT0216** | **HBT0216BK** |
| | 18" (457) ● | 70 | 23 | 9 | 4 | **HBT0218** | **HBT0218BK** |
| | 20" (508) ● | 73 | 25 | 9 | 5 | **HBT0220** | **HBT0220BK** |
| | 22" (559) | 73 | 27 | 12 | 5 | **HBT0222** | **HBT0222BK** |
| | 24" (610) ● | 75 | 31 | 12 | 5 | **HBT0224** | **HBT0224BK** |
| | 26" (660) | 73 | 33 | 13 | 6 | **HBT0226** | **HBT0226BK** |
| | 28" (711) | 73 | 35 | 14 | 6 | **HBT0228** | **HBT0228BK** |
| | 30" (762) | 70 | 38 | 15 | 6 | **HBT0230** | **HBT0230BK** |
| | 32" (813) | 70 | 39 | 16 | 6 | **HBT0232** | **HBT0232BK** |
| 4" Deep Tray | 4" (102) | 49 | 12 | 2 | 4 | **HBT0404** | **HBT0404BK** |
| | 6" (152) ● | 49 | 13 | 3 | 5 | **HBT0406** | **HBT0406BK** |
| | 8" (203) ● | 78 | 15 | 4 | 6 | **HBT0408** | **HBT0408BK** |
| | 12" (305) ● | 78 | 23 | 6 | 6 | **HBT0412** | **HBT0412BK** |
| | 16" (406) ● | 108 | 27 | 7 | 7 | **HBT0416** | **HBT0416BK** |
| | 18" (457) ● | 116 | 29 | 9 | 7 | **HBT0418** | **HBT0418BK** |
| | 20" (508) ● | 116 | 31 | 9 | 7 | **HBT0420** | **HBT0420BK** |
| | 22" (559) | 116 | 33 | 12 | 8 | **HBT0422** | **HBT0422BK** |
| | 24" (610) ● | 116 | 35 | 12 | 8 | **HBT0424** | **HBT0424BK** |
| | 28" (711) | 108 | 39 | 14 | 9 | **HBT0428** | **HBT0428BK** |
| 6" Deep Tray | 8" (203) ● | 116 | 23 | 4 | 6 | **HBT0608** | **HBT0608BK** |
| | 12" (305) ● | 123 | 27 | 6 | 6 | **HBT0612** | **HBT0612BK** |
| | 16" (406) ● | 123 | 31 | 7 | 7 | **HBT0616** | **HBT0616BK** |
| | 18" (457) ● | 127 | 33 | 9 | 7 | **HBT0618** | **HBT0618BK** |
| | 20" (508) ● | 127 | 35 | 9 | 7 | **HBT0620** | **HBT0620BK** |
| | 22" (559) ● | 127 | 37 | 12 | 8 | **HBT0622** | **HBT0622BK** |
| | 24" (610) ● | 150 | 39 | 12 | 8 | **HBT0624** | **HBT0624BK** |
| 8" Deep Tray | 8" (203) ● | 116 | 27 | 4 | 8 | **HBT0808** | **HBT0808BK** |
| | 12" (305) ● | 116 | 31 | 6 | 8 | **HBT0812** | **HBT0812BK** |
| | 16" (406) ● | 116 | 35 | 7 | 9 | **HBT0816** | **HBT0816BK** |
| | 18" (457) ● | 116 | 37 | 9 | 9 | **HBT0818** | **HBT0818BK** |
| | 20" (508) ● | 116 | 39 | 9 | 9 | **HBT0820** | **HBT0820BK** |




*Note: ●UL Classified as equipment ground conductor (painted tray cUL Classified only).*
*All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).*
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*
*HBT0202 (2x2 tray) available as special order. MOQ 40 pcs. Top wire utilizes side weld.*

## Field Configurable Fittings



**90° Sweep Elbow**

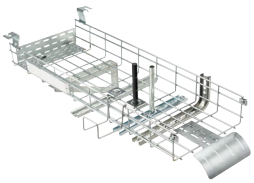
Use appropriate quantity of splice kits



**Tee Fitting**

Use one HBTCS corner splice per each

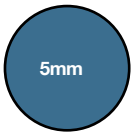
## Supports and Hardware



**Ordering Information**

See page U-12

### Wire Diameter




.1969" Dia.
"Round" Wire Design

*Dimensions in Inches (mm)*

# Wire Basket Tray System

## Electroplated Zinc Round Cross-Wire Basket Tray



### Features

- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 2" x 4" mesh opening
- Use factory support hardware or fabricate supports at the job site
- Electroplated zinc galvanized (post plated) made from cabon steel and plated to ASTM B 633, Type III, SC-1

## Field Configurable Fittings



**90° Sweep Elbow**

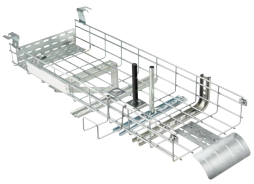
Use appropriate quantity of splice kits



**Tee Fitting**

Use one HBTCS corner splice per each

## Supports and Hardware



**Ordering Information**

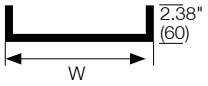
See page U-12

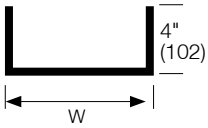
### Wire Diameter

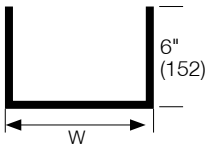
5mm

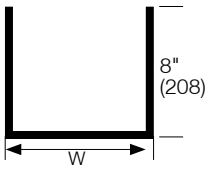
.1969" Dia.
"Round" Wire Design

| 10 Feet per Length 118.3" (3m) 10 pc. min. order qty. | Tray Width | Load (Lb/ft) | Tray Weight per Length (Lb) | Splice Quantity* | | Finish |
|---|---|---|---|---|---|---|
| | | | | 90° Sweep Elbow | Straight Splice | Electroplated Zinc |
| 2" Deep Tray | 4" (102) | 45 | 7 | 2 | 2 | **HBT0204ZP** |
| | 6" (152) ● | 50 | 9 | 3 | 4 | **HBT0206ZP** |
| | 8" (203) ● | 52 | 10.5 | 4 | 4 | **HBT0208ZP** |
| | 12" (305) ● | 58 | 12 | 6 | 4 | **HBT0212ZP** |
| | 16" (406) ● | 70 | 15 | 7 | 4 | **HBT0216ZP** |
| | 18" (457) ● | 70 | 23 | 9 | 4 | **HBT0218ZP** |
| | 20" (508) ● | 73 | 25 | 9 | 5 | **HBT0220ZP** |
| | 22" (559) | 73 | 27 | 12 | 5 | **HBT0222ZP** |
| | 24" (610) ● | 75 | 31 | 12 | 5 | **HBT0224ZP** |
| | 26" (660) | 73 | 33 | 13 | 6 | **HBT0226ZP** |
| | 28" (711) | 73 | 35 | 14 | 6 | **HBT0228ZP** |
| | 30" (762) | 70 | 38 | 15 | 6 | **HBT0230ZP** |
| | 32" (813) | 70 | 39 | 16 | 6 | **HBT0232ZP** |
| 4" Deep Tray | 4" (102) | 49 | 12 | 2 | 4 | **HBT0404ZP** |
| | 6" (152) ● | 49 | 13 | 3 | 5 | **HBT0406ZP** |
| | 8" (203) ● | 78 | 15 | 4 | 6 | **HBT0408ZP** |
| | 12" (305) ● | 78 | 23 | 6 | 6 | **HBT0412ZP** |
| | 16" (406) ● | 108 | 27 | 7 | 7 | **HBT0416ZP** |
| | 18" (457) ● | 116 | 29 | 9 | 7 | **HBT0418ZP** |
| | 20" (508) ● | 116 | 31 | 9 | 7 | **HBT0420ZP** |
| | 22" (559) | 116 | 33 | 12 | 8 | **HBT0422ZP** |
| | 24" (610) ● | 116 | 35 | 12 | 8 | **HBT0424ZP** |
| | 28" (711) | 108 | 39 | 14 | 9 | **HBT0428ZP** |
| 6" Deep Tray | 8" (203) ● | 116 | 23 | 4 | 6 | **HBT0608ZP** |
| | 12" (305) ● | 123 | 27 | 6 | 6 | **HBT0612ZP** |
| | 16" (406) ● | 123 | 31 | 7 | 7 | **HBT0616ZP** |
| | 18" (457) ● | 127 | 33 | 9 | 7 | **HBT0618ZP** |
| | 20" (508) ● | 127 | 35 | 9 | 7 | **HBT0620ZP** |
| | 22" (559) ● | 127 | 37 | 12 | 8 | **HBT0622ZP** |
| | 24" (610) ● | 150 | 39 | 12 | 8 | **HBT0624ZP** |
| 8" Deep Tray | 8" (203) ● | 116 | 27 | 4 | 8 | **HBT0808ZP** |
| | 12" (305) ● | 116 | 31 | 6 | 8 | **HBT0812ZP** |
| | 16" (406) ● | 116 | 35 | 7 | 9 | **HBT0816ZP** |
| | 18" (457) ● | 116 | 37 | 9 | 9 | **HBT0818ZP** |
| | 20" (508) ● | 116 | 39 | 9 | 9 | **HBT0820ZP** |




*Note: ●UL Classified/cUL Classified as equipment ground conductor.*
*All dimensions are +/- 0.25".*
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*

*Dimensions in Inches (mm)*

# Wire Basket Tray System

## Flat Style Cross-Wire Basket Tray



### Features

- Flat shaped cross-wires provide significantly more surface area to support weight of cables - Ideal for Cat 6 and 6A applications
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel
- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray

| 10 Feet per Length<br>118.3" (3m)<br>10 pc. min. order qty. | Tray Width | Load (Lb/ft) | Tray Weight per Length (Lb) | Splice Quantity* | | Finish | |
|---|---|---|---|---|---|---|---|
| | | | | 90° Sweep Elbow | Straight Splice | Pre-Galvanized | Black Powder Coat |
| 2" Deep Tray | 4" (102) | 45 | 7 | 2 | 2 | **HBT0204S** | **HBT0204SBK** |
| | 6" (152) ● | 50 | 9 | 3 | 4 | **HBT0206S** | **HBT0206SBK** |
| | 8" (203) ● | 52 | 10.5 | 4 | 4 | **HBT0208S** | **HBT0208SBK** |
| | 12" (305) ● | 58 | 12 | 6 | 4 | **HBT0212S** | **HBT0212SBK** |
| | 16" (406) ● | 70 | 15 | 7 | 4 | **HBT0216S** | **HBT0216SBK** |
| 2.38" (60) | 18" (457) ● | 70 | 23 | 9 | 4 | **HBT0218S** | **HBT0218SBK** |
| W | 20" (508) ● | 73 | 25 | 9 | 5 | **HBT0220S** | **HBT0220SBK** |
| | 22" (559) | 73 | 27 | 12 | 5 | **HBT0222S** | **HBT0222SBK** |
| | 24" (610) ● | 75 | 31 | 12 | 5 | **HBT0224S** | **HBT0224SBK** |
| | 26" (660) | 73 | 33 | 13 | 6 | **HBT0226S** | **HBT0226SBK** |
| | 28" (711) | 73 | 35 | 14 | 6 | **HBT0228S** | **HBT0228SBK** |
| | 30" (762) | 70 | 38 | 15 | 6 | **HBT0230S** | **HBT0230SBK** |
| | 32" (813) | 70 | 39 | 16 | 6 | **HBT0232S** | **HBT0232SBK** |
| 4" Deep Tray | 4" (102) | 49 | 12 | 2 | 4 | **HBT0404S** | **HBT0404SBK** |
| | 6" (152) ● | 49 | 13 | 3 | 5 | **HBT0406S** | **HBT0406SBK** |
| | 8" (203) ● | 78 | 15 | 4 | 6 | **HBT0408S** | **HBT0408SBK** |
| | 12" (305) ● | 78 | 23 | 6 | 6 | **HBT0412S** | **HBT0412SBK** |
| 4" (102) | 16" (406) ● | 108 | 27 | 7 | 7 | **HBT0416S** | **HBT0416SBK** |
| W | 18" (457) ● | 116 | 29 | 9 | 7 | **HBT0418S** | **HBT0418SBK** |
| | 20" (508) ● | 116 | 31 | 9 | 7 | **HBT0420S** | **HBT0420SBK** |
| | 22" (559) | 116 | 33 | 12 | 8 | **HBT0422S** | **HBT0422SBK** |
| | 24" (610) ● | 116 | 35 | 12 | 8 | **HBT0424S** | **HBT0424SBK** |
| | 28" (711) | 108 | 39 | 14 | 9 | **HBT0428S** | **HBT0428SBK** |
| 6" Deep Tray | 8" (203) ● | 116 | 23 | 4 | 6 | **HBT0608S** | **HBT0608SBK** |
| | 12" (305) ● | 123 | 27 | 6 | 6 | **HBT0612S** | **HBT0612SBK** |
| | 16" (406) ● | 123 | 31 | 7 | 7 | **HBT0616S** | **HBT0616SBK** |
| 6" (152) | 18" (457) ● | 127 | 33 | 9 | 7 | **HBT0618S** | **HBT0618SBK** |
| W | 20" (508) ● | 127 | 35 | 9 | 7 | **HBT0620S** | **HBT0620SBK** |
| | 22" (559) ● | 127 | 37 | 12 | 8 | **HBT0622S** | **HBT0622SBK** |
| | 24" (610) ● | 150 | 39 | 12 | 8 | **HBT0624S** | **HBT0624SBK** |
| 8" Deep Tray | 8" (203) ● | 116 | 27 | 4 | 8 | **HBT0808S** | **HBT0808SBK** |
| | 12" (305) ● | 116 | 31 | 6 | 8 | **HBT0812S** | **HBT0812SBK** |
| 8" (208) | 16" (406) ● | 116 | 35 | 7 | 9 | **HBT0816S** | **HBT0816SBK** |
| W | 18" (457) ● | 116 | 37 | 9 | 9 | **HBT0818S** | **HBT0818SBK** |
| | 20" (508) ● | 116 | 39 | 9 | 9 | **HBT0820S** | **HBT0820SBK** |

*Note: ●UL Classified as equipment ground conductor (painted tray cUL Classified only).*
*All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).*
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*

## Field Configurable Fittings

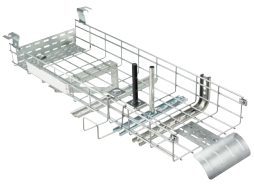


**90° Sweep Elbow**
Use appropriate quantity of splice kits



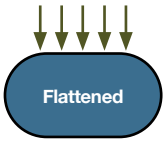
**Tee Fitting**
Use one HBTCS corner splice per each

## Supports and Hardware



**Ordering Information**
See page U-12

### Cable Support Area




.03125 sq. inch
"Flat" Wire Design
(based on .125" dia. cable)

*Dimensions in Inches (mm)*

# Wire Basket Tray System

## Stainless Steel Round Cross-Wire Basket Tray



### Features

- Type 304L and 316S stainless steel
- Meets ASTM A580 specifications
- 4.5mm round wire minimum
- Stainless splice kits and ceiling supports are available

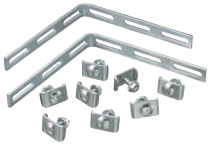
### Applications

- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine

### Stainless Steel Accessories Available



**HBTSKSS**
Splice Kits



**HBTCSSS**
Corner Splice



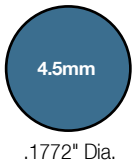
**HBTWSSS**
Washer Support



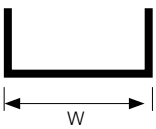
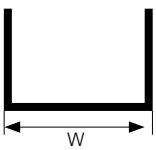
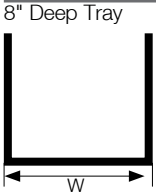
**HBTNBSS**
¼" x 20 Nuts and Bolts

**Ordering Information**
See page U-12

### Wire Diameter




.1772" Dia.
"Round" Wire Design

| 10 Feet per Length 118.3" (3m) 10 pc. min. order qty. | Tray Width | Load (Lb/ft) | Tray Weight per Length (Lb) | Splice Quantity* | | Round | |
|---|---|---|---|---|---|---|---|
| | | | | 90° Sweep Elbow | Straight Splice | Type 304L | Type 316S |
| 2" Deep Tray | 4" (102) | 45 | 7 | 2 | 2 | **HBT0204S04** | **HBT0204S16** |
| | 6" (152) | 50 | 9 | 3 | 4 | **HBT0206S04** | **HBT0206S16** |
| | 8" (203) | 52 | 10.5 | 4 | 4 | **HBT0208S04** | **HBT0208S16** |
| | 12" (305) | 58 | 12 | 6 | 4 | **HBT0212S04** | **HBT0212S16** |
| | 16" (406) | 70 | 15 | 7 | 4 | **HBT0216S04** | **HBT0216S16** |
|   | 18" (457) | 70 | 23 | 9 | 4 | **HBT0218S04** | **HBT0218S16** |
| | 20" (508) | 73 | 25 | 9 | 5 | **HBT0220S04** | **HBT0220S16** |
| | 22" (559) | 73 | 27 | 12 | 5 | **HBT0222S04** | **HBT0222S16** |
| | 24" (610) | 75 | 31 | 12 | 5 | **HBT0224S04** | **HBT0224S16** |
| | 26" (660) | 73 | 33 | 13 | 6 | **HBT0226S04** | **HBT0226S16** |
| | 28" (711) | 73 | 35 | 14 | 6 | **HBT0228S04** | **HBT0228S16** |
| | 30" (762) | 70 | 38 | 15 | 6 | **HBT0230S04** | **HBT0230S16** |
| | 32" (813) | 70 | 39 | 16 | 6 | **HBT0232S04** | **HBT0232S16** |
| 4" Deep Tray | 4" (102) | 49 | 12 | 2 | 4 | **HBT0404S04** | **HBT0404S16** |
| | 6" (152) | 49 | 13 | 3 | 5 | **HBT0406S04** | **HBT0406S16** |
| | 8" (203) | 78 | 15 | 4 | 6 | **HBT0408S04** | **HBT0408S16** |
|   | 12" (305) | 78 | 23 | 6 | 6 | **HBT0412S04** | **HBT0412S16** |
| | 16" (406) | 108 | 27 | 7 | 7 | **HBT0416S04** | **HBT0416S16** |
| | 18" (457) | 116 | 29 | 9 | 7 | **HBT0418S04** | **HBT0418S16** |
| | 20" (508) | 116 | 31 | 9 | 7 | **HBT0420S04** | **HBT0420S16** |
| | 22" (559) | 116 | 33 | 12 | 8 | **HBT0422S04** | **HBT0422S16** |
| | 24" (610) | 116 | 35 | 12 | 8 | **HBT0424S04** | **HBT0424S16** |
| | 28" (711) | 108 | 39 | 14 | 9 | **HBT0428S04** | **HBT0428S16** |
| 6" Deep Tray | 8" (203) | 116 | 23 | 4 | 6 | **HBT0608S04** | **HBT0608S16** |
| | 12" (305) | 123 | 27 | 6 | 6 | **HBT0612S04** | **HBT0612S16** |
|   | 16" (406) | 123 | 31 | 7 | 7 | **HBT0616S04** | **HBT0616S16** |
| | 18" (457) | 127 | 33 | 9 | 7 | **HBT0618S04** | **HBT0618S16** |
| | 20" (508) | 127 | 35 | 9 | 7 | **HBT0620S04** | **HBT0620S16** |
| | 22" (559) | 127 | 37 | 12 | 8 | **HBT0622S04** | **HBT0622S16** |
| | 24" (610) | 150 | 39 | 12 | 8 | **HBT0624S04** | **HBT0624S16** |
| 8" Deep Tray | 8" (203) | 116 | 27 | 4 | 8 | **HBT0808S04** | **HBT0808S16** |
| | 12" (305) | 116 | 31 | 6 | 8 | **HBT0812S04** | **HBT0812S16** |
|   | 16" (406) | 116 | 35 | 7 | 9 | **HBT0816S04** | **HBT0816S16** |
| | 18" (457) | 116 | 37 | 9 | 9 | **HBT0818S04** | **HBT0818S16** |
| | 20" (508) | 116 | 39 | 9 | 9 | **HBT0820S04** | **HBT0820S16** |

*Note: All dimensions are +/- 0.25".*
**See page U-13 for details and page U-14 for wire fill and maximum load chart.*

*Dimensions in Inches (mm)*

## Accessories for Under Floor Wire Basket Tray



### Splice Hardware

| Description | Finish | Catalog Number |
|---|---|---|
| **Kit, Pedestal**<br>(2) HBTUPC and<br>(1) Cross bar | Pre-Galvanized | **HBTUPK** |
| **C-Bracket**<br>6" Tier<br>12" Tier | <br>Pre-Galvanized<br>Pre-Galvanized | <br>**HBTUCB6**<br>**HBTUCB12** |
| **U-Clamp, Pedestal**<br>(1) Clamp | Pre-Galvanized | **HBTUPC** |
| **Tray Grounding Fasteners**<br>Washer supports HBTWS and ¼" - 20 self threading screws; 50 per box. Required when installing under floor wire basket tray. | Zinc Plated | **HBTUGS** |
| **Intersection Supports**<br>For use with HBTUSUPP series support | Pre-Galvanized | **HBTUFIT** |
| **Vertical Up** | Pre-Galvanized | **HBTUVU** |

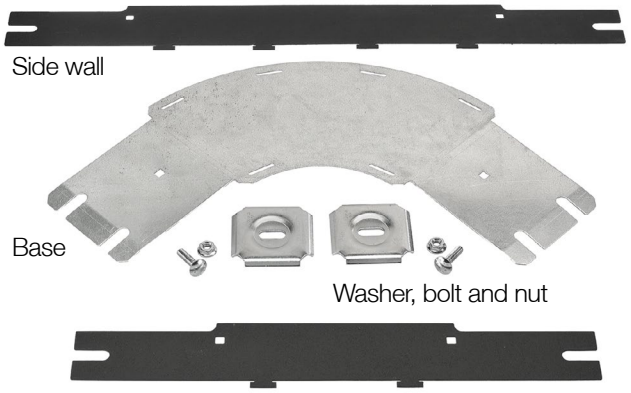
*Note: See page 10 for L-brackets and C-brackets.*
*See page 14 for wire fill and maximum load chart.*

### Saw Horse Supports

| Support Height | Support Width | Finish | Catalog Number |
|---|---|---|---|
| 4" (102) | 22" (559) | Pre-Galvanized | **HBTUSUPP4** |
| 6" (152) | 22" (559) | Pre-Galvanized | **HBTUSUPP6** |
| 8" (203) | 22" (559) | Pre-Galvanized | **HBTUSUPP8** |
| 10" (254) | 22" (559) | Pre-Galvanized | **HBTUSUPP10** |
| 12" (305) | 22" (559) | Pre-Galvanized | **HBTUSUPP12** |
| 14" (356) | 22" (559) | Pre-Galvanized | **HBTUSUPP14** |
| 16" (406) | 22" (559) | Pre-Galvanized | **HBTUSUPP16** |
| 18" (457) | 22" (559) | Pre-Galvanized | **HBTUSUPP18** |
| 20" (508) | 22" (559) | Pre-Galvanized | **HBTUSUPP20** |
| 22" (559) | 22" (559) | Pre-Galvanized | **HBTUSUPP22** |
| 24" (610) | 22" (559) | Pre-Galvanized | **HBTUSUPP24** |
| 26" (660) | 22" (559) | Pre-Galvanized | **HBTUSUPP26** |
| 28" (711) | 22" (559) | Pre-Galvanized | **HBTUSUPP28** |
| 30" (762) | 22" (559) | Pre-Galvanized | **HBTUSUPP30** |

*Dimensions in Inches (mm)*

## Accessories for Wire Basket Tray, Preformed Fittings



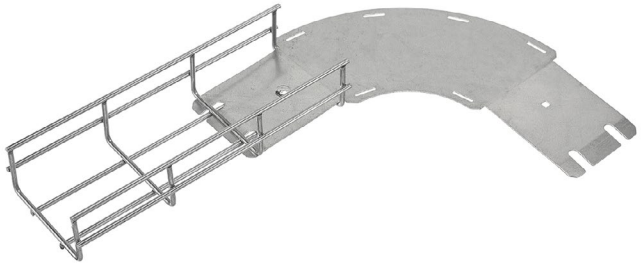

**1. Splicing hardware included**

### Installation Efficiency

Hubbell preformed fittings are time and cost effective solutions to installing 90 Degree Radius, Tees and Intersections, no cutting and no configuring. Hubbell offers Pre-galvanized or Black powder painted finishes. The fittings simply attach at the Intersections Tees or junctions when you want a radius bend. The fittings are manufactured precisely to the basket tray being utilized providing a clean engineered solution.

Installation of Hubbell preformed fittings can reduce installation configurations from hours to a few minutes. Labor and time savings can exceed 90% versus traditional cutting and splicing. Preformed fittings ensure a consistent installation every time and also avoids the sharp wire edges caused during the cutting process. Standard Hubbell preformed fittings consist of a pregalvanized base with black polymer sides* and splicing hardware.

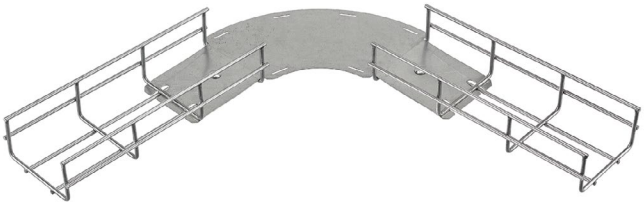
*Steel wall preform fittings are available.



**2. Attach first tray with washer support and ¼"-20 nut and bolt**



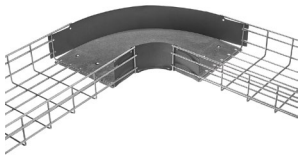
**3. Washer support secured to tray**



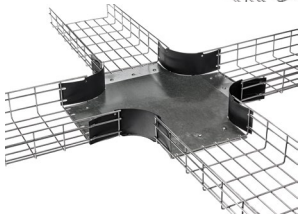
**4. Attach second tray**



**5. Install side walls**







### 90 Degree Radius

| Tray Width | Traditional Configuration | Hubbell Preformed Fittings | Time Savings |
|---|---|---|---|
| 2 x 8 | 7 Minutes | 1 Minute | 85% |
| 4 x 12 | 20 Minutes | 2 Minutes | 90% |

### Tee

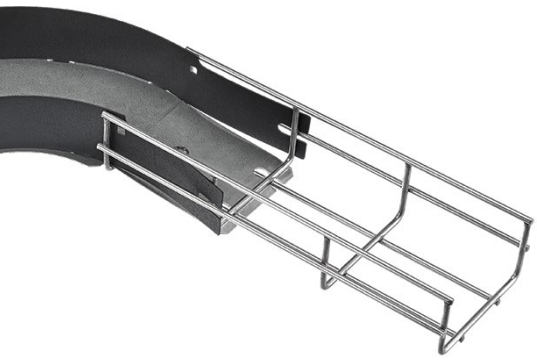
| Tray Width | Traditional Configuration | Hubbell Preformed Fittings | Time Savings |
|---|---|---|---|
| 4 x 12 | 8 Minutes, 45 seconds | 2 Minutes, 30 seconds | 70% |
| 4 x 18 | 10 Minutes | 2 Minutes, 30 seconds | 74% |

### Intersection

| Tray Width | Traditional Configuration | Hubbell Preformed Fittings | Time Savings |
|---|---|---|---|
| 6 x 24 | 29 Minutes | 4 Minutes, 45 seconds | 83% |

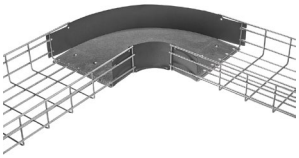
# Wire Basket Tray System

## Accessories for Wire Basket Tray, Preformed Fittings

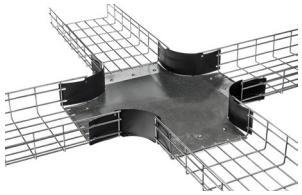


**Features**

- Labor and time savings
- Consistent installations
- For round and flat tray
- Steel pre-galvanized bases
- Interlocking polymer side walls
- Splicing hardware included
- Available with steel side walls









| Tray Size | Tray Width | 90 Degree | Tee | Intersection | 45 Degree | 30 Degree |
|---|---|---|---|---|---|---|
| 2" (51) Deep | 4"(102) | **HBTR0204** | **HBTT0204** | **HBTI0204** | **HBT450204** | **HBT300204** |
| | 6"(152) | **HBTR0206** | **HBTT0206** | **HBTI0206** | **HBT450206** | **HBT300206** |
| | 8"(203) | **HBTR0208** | **HBTT0208** | **HBTI0208** | **HBT450208** | **HBT300208** |
| | 12"(305) | **HBTR0212** | **HBTT0212** | **HBTI0212** | **HBT450212** | **HBT300212** |
| | 16"(406) | **HBTR0216** | **HBTT0216** | **HBTI0216** | **HBT450216** | **HBT300216** |
| | 18"(457) | **HBTR0218** | **HBTT0218** | **HBTI0218** | **HBT450218** | **HBT300218** |
| | 20"(508) | **HBTR0220** | **HBTT0220** | **HBTI0220** | **HBT450220** | **HBT300220** |
| | 24"(610) | **HBTR0224** | **HBTT0224** | **HBTI0224** | **HBT450224** | **HBT300224** |
| 4" (102) Deep | 4"(102) | **HBTR0404** | **HBTT0404** | **HBTI0404** | **HBT450404** | **HBT300404** |
| | 6"(152) | **HBTR0406** | **HBTT0406** | **HBTI0406** | **HBT450406** | **HBT300406** |
| | 8"(203) | **HBTR0408** | **HBTT0408** | **HBTI0408** | **HBT450408** | **HBT300408** |
| | 12"(305) | **HBTR0412** | **HBTT0412** | **HBTI0412** | **HBT450412** | **HBT300412** |
| | 16"(406) | **HBTR0416** | **HBTT0416** | **HBTI0416** | **HBT450416** | **HBT300416** |
| | 18"(457) | **HBTR0418** | **HBTT0418** | **HBTI0418** | **HBT450418** | **HBT300418** |
| | 20"(508) | **HBTR0420** | **HBTT0420** | **HBTI0420** | **HBT450420** | **HBT300420** |
| | 24"(610) | **HBTR0424** | **HBTT0424** | **HBTI0424** | **HBT450424** | **HBT300424** |
| 6" (152) Deep | 8"(203) | **HBTR0608** | **HBTT0608** | **HBTI0608** | **HBT450608** | **HBT300608** |
| | 12"(305) | **HBTR0612** | **HBTT0612** | **HBTI0612** | **HBT450612** | **HBT300612** |
| | 16"(406) | **HBTR0616** | **HBTT0616** | **HBTI0616** | **HBT450616** | **HBT300616** |
| | 18"(457) | **HBTR0618** | **HBTT0618** | **HBTI0618** | **HBT450618** | **HBT300618** |
| | 20"(508) | **HBTR0620** | **HBTT0620** | **HBTI0620** | **HBT450620** | **HBT300620** |
| | 24"(610) | **HBTR0624** | **HBTT0624** | **HBTI0624** | **HBT450624** | **HBT300624** |

*Note: Add **BK** suffix for black base.*
*Add **SW** suffix for steel side walls.*

*Dimensions in Inches (mm)*

## Accessories for Wire Basket Tray - Supports and Brackets

### Supports**







| Tray Width | Center Support | | | Ceiling Support | | Trapeze Support | | |
|---|---|---|---|---|---|---|---|---|
| | Qty. per Box | Pre-Galvanized | Black Powder Coat | Pre-Galvanized | Black Powder Coat | Qty. per Box | Zinc Plated | Black Powder Coat |
| 4" (102) | 1 | **HBTCTRS4** | **HBTCTRS4BK** | – | – | 50 | **HBTTS** | **HBTTSBK** |
| 6" (152) | 1 | **HBTCTRS6** | **HBTCTRS6BK** | – | – | | Attaches to the side of the tray; for tray sizes 16" wide and smaller; use in pairs every 6 feet for 4" and 6" trays; can be staggered every 5 feet. | |
| 8" (203) | 1 | **HBTCTRS8** | **HBTCTRS8BK** | – | – | | | |
| 12" (305) | 1 | **HBTCTRS12** | **HBTCTRS12BK** | **HBTCLGS12** | **HBTCLGS12BK** | | | |
| 16" (406) | 1 | **HBTCTRS16** | **HBTCTRS16BK** | **HBTCLGS16** | **HBTCLGS16BK** | | | |
| 18" (457) | 1 | **HBTCTRS18** | **HBTCTRS18BK** | **HBTCLGS18** | **HBTCLGS18BK** | | | |
| 20" (508) | 1 | **HBTCTRS20** | **HBTCTRS20BK** | **HBTCLGS20** | **HBTCLGS20BK** | | | |
| 24" (610) | 1 | **HBTCTRS24** | **HBTCTRS24BK** | **HBTCLGS24** | **HBTCLGS24BK** | | | |

### Brackets**







| Tray Width | L-Bracket | | | C-Bracket | | Shelf Support | |
|---|---|---|---|---|---|---|---|
| | Qty. per Box | Pre-Galvanized | Black Powder Coat | Pre-Galvanized | Black Powder Coat | Pre-Galvanized | Black Powder Coat |
| 4" (102) | 1 | **HBTLB4** | **HBTLB4BK** | **HBTCB4** | **HBTCB4BK** | **HBTSS4** | **HBTSS4BK** |
| 6" (152) | 1 | **HBTLB6** | **HBTLB6BK** | – | – | **HBTSS6** | **HBTSS6BK** |
| 8" (203) | 1 | **HBTLB8** | **HBTLB8BK** | **HBTCB8** | **HBTCB8BK** | **HBTSS8** | **HBTSS8BK** |
| 12" (305) | 1 | **HBTLB12** | **HBTLB12BK** | **HBTCB12** | **HBTCB12BK** | **HBTSS12** | **HBTSS12BK** |
| 16" (406) | 1 | **HBTLB16** | **HBTLB16BK** | – | – | **HBTSS16** | **HBTSS16BK** |
| 18" (457) | 1 | **HBTLB18** | **HBTLB18BK** | **HBTCB18** | **HBTCB18BK** | **HBTSS18** | **HBTSS18BK** |
| 20" (508) | 1 | **HBTLB20** | **HBTLB20BK** | – | – | **HBTSS20** | **HBTSS20BK** |
| 24" (610) | 1 | **HBTLB24** | **HBTLB24BK** | – | – | **HBTSS24** | **HBTSS24BK** |

*Note: **Install every 6 feet.*

*Dimensions in Inches (mm)*

## Accessories for Wire Basket Tray - Covers and Inserts

### Black Polymer Inserts with Sides*

Provides a solid bottom and sides for tray - order in 10 foot increments

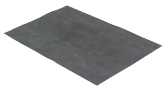


| Tray Width | 2" (51) Deep | 4" (102) Deep | 6" (152) Deep |
|---|---|---|---|
| 4" (102) | **HBTFRMINS0204BK** | **HBTFRMINS0404BK** | – |
| 6" (152) | **HBTFRMINS0206BK** | **HBTFRMINS0406BK** | – |
| 8" (203) | **HBTFRMINS0208BK** | **HBTFRMINS0408BK** | **HBTFRMINS0608BK** |
| 12" (305) | **HBTFRMINS0212BK** | **HBTFRMINS0412BK** | **HBTFRMINS0612BK** |
| 16" (406) | **HBTFRMINS0216BK** | **HBTFRMINS0416BK** | **HBTFRMINS0616BK** |
| 18" (457) | **HBTFRMINS0218BK** | **HBTFRMINS0418BK** | **HBTFRMINS0618BK** |
| 20" (508) | **HBTFRMINS0220BK** | **HBTFRMINS0420BK** | **HBTFRMINS0620BK** |
| 24" (610) | **HBTFRMINS0224BK** | **HBTFRMINS0424BK** | **HBTFRMINS0624BK** |

*Note: *For white insert, replace **BK** with **WHT**.*

### Polymer Inserts

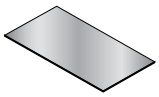
Provides a solid bottom for tray - order in 10 foot increments



| Tray Width | Length | White | Black |
|---|---|---|---|
| 4" (102) | 118" (3000) | **HBTINSNM04WHT** | **HBTINSNM04** |
| 6" (152) | 118" (3000) | **HBTINSNM06WHT** | **HBTINSNM06** |
| 8" (203) | 118" (3000) | **HBTINSNM08WHT** | **HBTINSNM08** |
| 12" (305) | 118" (3000) | **HBTINSNM12WHT** | **HBTINSNM12** |
| 16" (406) | 118" (3000) | **HBTINSNM16WHT** | **HBTINSNM16** |
| 18" (457) | 118" (3000) | **HBTINSNM18WHT** | **HBTINSNM18** |
| 20" (508) | 118" (3000) | **HBTINSNM20WHT** | **HBTINSNM20** |
| 24" (610) | 118" (3000) | **HBTINSNM24WHT** | **HBTINSNM24** |

### Galvanized Steel Inserts

Provides a solid bottom for tray - 5 feet length per piece; 1 piece per box



| Tray Width | Length | Pre-Galvanized | Black Powder Coat |
|---|---|---|---|
| 4" (102) | 59" (1500) | **HBTINSM04** | **HBTINSM04BK** |
| 6" (152) | 59" (1500) | **HBTINSM06** | **HBTINSM06BK** |
| 8" (203) | 59" (1500) | **HBTINSM08** | **HBTINSM08BK** |
| 12" (305) | 59" (1500) | **HBTINSM12** | **HBTINSM12BK** |
| 16" (406) | 59" (1500) | **HBTINSM16** | **HBTINSM16BK** |
| 18" (457) | 59" (1500) | **HBTINSM18** | **HBTINSM18BK** |
| 20" (508) | 59" (1500) | **HBTINSM20** | **HBTINSM20BK** |
| 24" (610) | 59" (1500) | **HBTINSM24** | **HBTINSM24BK** |

### Galvanized Steel Covers

Top cable and wire protector - 5 feet length per piece; 1 piece per box



| Tray Width | Length | Pre-Galvanized | Black Powder Coat |
|---|---|---|---|
| 4" (102) | 59" (1500) | **HBTCVR4** | **HBTCVR4BK** |
| 6" (152) | 59" (1500) | **HBTCVR6** | **HBTCVR6BK** |
| 8" (203) | 59" (1500) | **HBTCVR8** | **HBTCVR8BK** |
| 12" (305) | 59" (1500) | **HBTCVR12** | **HBTCVR12BK** |
| 16" (406) | 59" (1500) | **HBTCVR16** | **HBTCVR16BK** |
| 18" (457) | 59" (1500) | **HBTCVR18** | **HBTCVR18BK** |
| 20" (508) | 59" (1500) | **HBTCVR20** | **HBTCVR20BK** |
| 24" (610) | 59" (1500) | **HBTCVR24** | **HBTCVR24BK** |

### Galvanized Termination Support

Secures end of tray to wall and can serve as blank end fitting; 1 piece per box



| Tray Width | Length | Pre-Galvanized | Black Powder Coat |
|---|---|---|---|
| 6" (152) | 6.4" (163) | **HBTTS6** | **HBTTS6BK** |
| 8" (203) | 8" (203) | **HBTTS8** | **HBTTS8BK** |
| 12" (305) | 11.2" (284) | **HBTTS12** | **HBTTS12BK** |
| 16" (406) | 16" (406) | **HBTTS16** | **HBTTS16BK** |
| 18" (457) | 17.6" (447) | **HBTTS18** | **HBTTS18BK** |
| 20" (508) | 19.2" (488) | **HBTTS20** | **HBTTS20BK** |
| 24" (610) | 24" (610) | **HBTTS24** | **HBTTS24BK** |

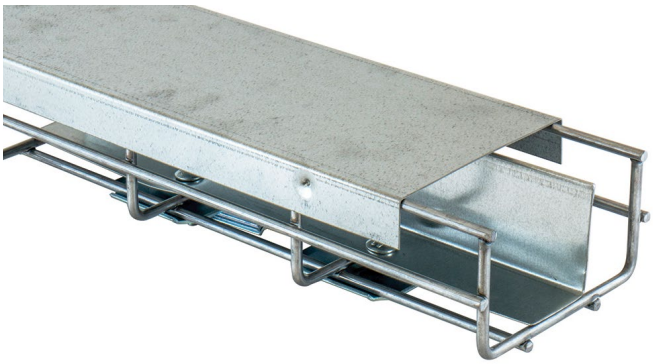
### Galvanized Steel Dividers

Mounting hardware to secure to tray (not included); 2 mounting holes per piece; 5 feet length per piece; 1 piece per box



| For use with Tray | Length | Pre-Galvanized | Black Powder Coat |
|---|---|---|---|
| 2" (51) Deep | 60" (1524) | **HBTDIV2** | **HBTDIV2BK** |
| 4" (102) Deep | 60" (1524) | **HBTDIV4** | **HBTDIV4BK** |
| 6" (152) Deep | 60" (1524) | **HBTDIV6** | **HBTDIV6BK** |
| 8" (203) Deep | 60" (1524) | **HBTDIV8*** | **HBTDIV8BK*** |

*Note: *Minimum order quantity = 40 pieces.*



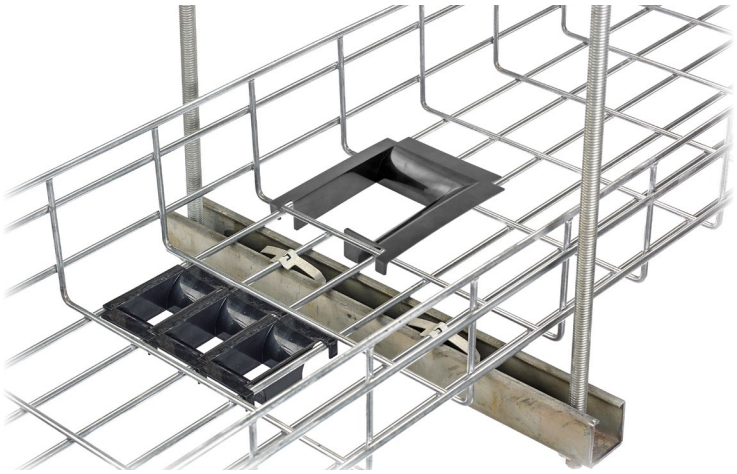
*Dimensions in Inches (mm)*

## Accessories for Wire Basket Tray, Supports and Fittings

| Description | Tray Width | Finish | Catalog Number |
|---|---|---|---|
| **Radius Down**<br>Increases cable protection and cable bend control; 1 per box | 4" (102)<br>6" (152)<br>12" (305) | Black<br>Black<br>Black | **HBTRD4BK**<br>**HBTRD6BK**<br>**HBTRD12BK** |
| **Exit Radius Down***<br>Top tray attachment, increases cable protection and cable bend control; 1 per box | 4X4 Minimum Tray Size | Black | **HBTEXTRDBK** |
| **Vertical Down**<br>Protects cables when dropping from the end or side of tray; 1 per box | 7¾" (102) | Zinc Plated<br>Black | **HBTVD**<br>**HBTVDBK** |
| **Label Clip**<br>Attachment for all sizes of tray; 1 per box | | White | **HBTLC** |
| **Cable Guide***<br>Maintains cable bend radius and acts as a divider for straight sections and fittings; 1 per box | | Black | **HBTCG** |
| **Electrical Box Bracket**<br>Attaches electrical box to side of tray; 1 per box | | Pre-Galvanized<br>Black | **HBTEB**<br>**HBTEBBL** |
| **Sidecar**<br>Attaches to outside of tray, provides additional cable support, 2" deep; 1 per box | | Pre-Galvanized<br>Black | **HBTSC**<br>**HBTSCBK** |
| **Splice Kit**<br>3 piece staked bolt/washer and nut combination; splices straight sections and field formed fittings; 50 pieces per box | | Zinc Plated<br>Black<br>Stainless Steel | **HBTSK**<br>**HBTSKBK**<br>**HBTSKSS** |
| **Bar Splice**<br>Slotted bar 11$^{15}/_{16}$" long; Splices straight sections and fittings; bend to form tray reducers; adds rigidity to tray splices; 50 pieces per box | | Zinc Plated<br>Black<br>Stainless Steel | **HBTBS**<br>**HBTBSBK**<br>**HBTBSSS** |
| **Corner Splice**<br>(2) 90° splice bars and (8) sets of the splice kit<br>**Splice Fittings Required:**<br>Use one per each Tee Fitting; Use two per each Cross Fitting | | Zinc Plated<br>Black<br>Stainless Steel | **HBTCS**<br>**HBTCSBK**<br>**HBTCSSS** |
| **Washer Supports**<br>Splices straight sections and fittings and can also be used as a hold down method for tray to strut (nut and bolt provided separately); 50 pieces per box | | Zinc Plated<br>Black<br>Stainless Steel | **HBTWS**<br>**HBTWSBK**<br>**HBTWSSS** |
| **Self Tapping Screws with Supports**<br>¼" - 20 self tapping screw and HBTWS; 50 pieces per box | | Zinc Plated | **HBTUGS** |

*Note: *Mounting hardware included.*

| Description | Finish | Catalog Number |
|---|---|---|
| **Fitting Attachment**<br>Fills the gap in tray when creating fittings in 2" tray or 4"/6" tray | Pre-Galvanized<br>Black<br><br>Pre-Galvanized<br>Black | **HBTFA2**<br>**HBTFA2BK**<br><br>**HBTFA46**<br>**HBTFA46BK** |
| **Rack Attachment**<br>Attaches tray directly to the top of a standard rack | Zinc Plated<br>Black | **HBTRA**<br>**HBTRABK** |
| **Conduit Attachment**<br>Connects conduit to tray (¾", 1" and 1¼" conduit) | Pre-Galvanized<br>Black | **HBTCA3**<br>**HBTCA3BK** |
| **Nut and Bolt Sets**<br>¼" - 20 nut and bolt sets; 50 pieces per box | Zinc Plated<br>Stainless Steel | **HBTNB**<br>**HBTNBSS** |
| **Cable Drop Outs**<br>Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables | Black | **HBTCDBK** |
| **Large Cable Drop Outs**<br>Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables (tray requires cutting to install) | Black | **HBTCD4X4BK** |
| **Strut Clips**<br>Used to hold down basket tray when used with any standard industry strut supports; 50 pieces per box | Pre-Galvanized | **HBTSTRUTCLIP**<br>• 12" trays or smaller use 2 clips per strut support<br>• 16" - 18" trays use 3 clips per strut support<br>• Larger trays add one clip per strut support for every 6" of tray width |
| **Grounding Split Bolts**<br>These are sold in packs of 10. Bolts are used for supplemental grounding. One bolt is installed per section of basket tray. The installer must supply #6 AWG grounding wire | Copper Alloy | **HBTSPLITBOLTPK10** |



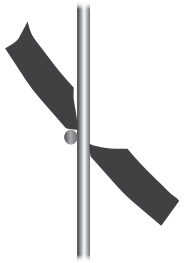
*Dimensions in Inches (mm)*

## Technical Support - Cutting and Forming Fittings

### Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool.
- Cuts can be made on any finish, width or depth basket tray.
- Cut as many segments required for sweep elbows (see Splice Quantity column on product pages).
- Remove any sharp edges to eliminate possible damage to cables.





(Side action cutter)

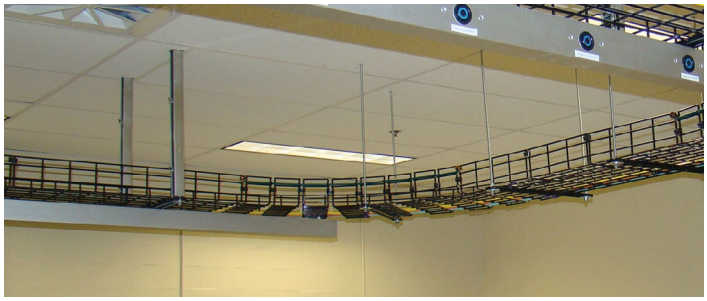
### Cutting Tool

| Description | Weight (Lb/each) | Qty. per Box | Catalog Number |
|---|---|---|---|
| Manual offset angled cutting tool, 24" leveraged handle | 6.0 | 1 | **HBTCUTTOOL** |



### How to Form a 90 Degree Flat Sweep Elbow

- Determine which wires must be cut for the type of fitting or redirection required. This will usually be the side and bottom wires of every other mesh section.
- Turn the tray over and cut the bottom wires.
- Cut the top side wire.
- Cut the remaining side wires.
- This creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection as well as electrical grounding continuity.





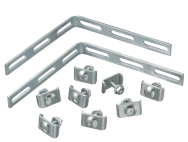


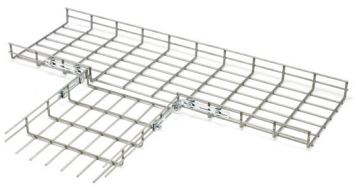
**HBTSK** Splice Kit
See page U-12 for ordering information.

### How to Form a Tee Fitting

- Determine the location of the horizontal “tee” fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the “tee” using appropriate support method.







**HBTCS** Corner Splice
See page U-12 for ordering information.

## Wire Fill and Maximum Load Chart

| Depth | Width | Area | Cat 5e (0.18" dia.) 50% Wire Fill | Cat 6 (0.23" dia.) 50% Wire Fill | Cat 6a (0.30" dia.) 50% Wire Fill | Max. Load (Lb/ft) *(Supported at 6ft spacing)* |
|---|---|---|---|---|---|---|
| 2 | 4 | 8 | 157 | 96 | 57 | 45 |
| 2 | 6 | 12 | 236 | 144 | 85 | 50 |
| 2 | 8 | 16 | 315 | 193 | 113 | 52 |
| 2 | 12 | 24 | 472 | 289 | 170 | 58 |
| 2 | 16 | 32 | 629 | 385 | 226 | 70 |
| 2 | 18 | 36 | 708 | 433 | 255 | 70 |
| 2 | 20 | 40 | 786 | 482 | 283 | 73 |
| 2 | 22 | 44 | 865 | 530 | 311 | 73 |
| 2 | 24 | 48 | 944 | 578 | 340 | 75 |
| 2 | 26 | 52 | 1022 | 626 | 368 | 73 |
| 2 | 28 | 56 | 1101 | 674 | 396 | 73 |
| 2 | 30 | 60 | 1180 | 722 | 425 | 70 |
| 2 | 32 | 64 | 1258 | 771 | 453 | 70 |
| 4 | 4 | 16 | 315 | 193 | 113 | 49 |
| 4 | 6 | 24 | 472 | 289 | 170 | 49 |
| 4 | 8 | 32 | 629 | 385 | 226 | 78 |
| 4 | 12 | 48 | 944 | 578 | 340 | 78 |
| 4 | 16 | 64 | 1258 | 771 | 453 | 108 |
| 4 | 18 | 72 | 1415 | 867 | 510 | 116 |
| 4 | 20 | 80 | 1573 | 963 | 566 | 116 |
| 4 | 22 | 88 | 1730 | 1060 | 623 | 116 |
| 4 | 24 | 96 | 1887 | 1156 | 679 | 116 |
| 4 | 28 | 112 | 2202 | 1349 | 793 | 108 |
| 6 | 8 | 48 | 944 | 578 | 340 | 116 |
| 6 | 12 | 72 | 1415 | 867 | 510 | 123 |
| 6 | 16 | 96 | 1887 | 1156 | 679 | 123 |
| 6 | 18 | 108 | 2123 | 1300 | 764 | 127 |
| 6 | 20 | 120 | 2359 | 1445 | 849 | 127 |
| 6 | 22 | 132 | 2595 | 1589 | 934 | 127 |
| 6 | 24 | 144 | 2831 | 1734 | 1019 | 150 |
| 8 | 8 | 64 | 1258 | 771 | 453 | 116 |
| 8 | 12 | 96 | 1887 | 1156 | 679 | 116 |
| 8 | 16 | 128 | 2516 | 1541 | 906 | 116 |
| 8 | 18 | 144 | 2831 | 1734 | 1019 | 116 |
| 8 | 20 | 160 | 3145 | 1926 | 1132 | 116 |

## Sizes UL Classified or cUL Classified
**as equipment ground conductor**

| 2" Depth | 4" Depth | 6" Depth | 8" Depth |
|---|---|---|---|
| 2 x 6 | 4 x 6 | 6 x 8 | 8 x 8 |
| 2 x 8 | 4 x 8 | 6 x 12 | 8 x 12 |
| 2 x 12 | 4 x 12 | 6 x 16 | 8 x 16 |
| 2 x 16 | 4 x 16 | 6 x 18 | 8 x 20 |
| 2 x 18 | 4 x 18 | 6 x 20 | |
| 2 x 20 | 4 x 20 | 6 x 22 | |
| 2 x 24 | 4 x 24 | 6 x 24 | |

*Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended. Other non-UL sizes require external grounding conductor. Stainless steel is not UL listed.*

### Instructions to Achieve Ground

- Use Hubbell splice kits **(HBTSK)** to achieve proper grounding at all splices, joints and fittings.
- Grounding lugs and external ground wire are not required when **HBTSK** splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

## Technical Specifications

### 2.01 ACCEPTABLE MANUFACTURES

1. Manufacturer: Subject to compliance with these specifications wire basket tray systems to be installed shall be Hubbell "HBT" series.

### 2.02 WIRE TRAY SECTIONS AND COMPONENTS

1. Provide wire basket of types and sizes indicated with all required splicing and mounting hardware. Construct units with T-weld edges and smooth surfaces in compliance with applicable standards and with the following additional construction features.
   A. All straight section longitudinal wires shall be constructed with a continuous top wire safety edge. Safety edge must be T-welded on all tray sizes.
   B. Wire basket cross-wire to be constructed with either flat shaped wire design or with round wire design as directed by engineer.
      - Flat shaped cross wire design shall provide additional surface area for cable weight support and to avoid pressure points and strain on cables.
      - Round shaped cross wire design may be used in general purpose applications where cable weight and strain are not concerns.
2. Materials and Finishes: Material and finish specifications for Carbon Steel Wire and Pre-Galvanized steel wire are as follows:
   A. Pre-galvanized Zinc: Straight section shall be made from pre-galvanized steel meeting the minimum mechanical properties of ASTM A 641. Material must be cleaned after fabrication to remove any soot, manufacturing residue/oils or metallic particles.
   B. Powder Coat: Straight sections shall be powder coated black with an average paint thickness of 1.2mils (30microns) to 3.0mils (75microns). Hubbell powder coat product is masked at splice points to allow conductive ground design; no field paint removal is required.
   C. Stainless Steel: Straight sections and accessories shall be made from AISI Type 304L, 316L Stainless Steel (meeting the minimum mechanical properties of ASTM A 580).
   D. Electro-Plated Zinc Galvanized (Post Plated) Made from Carbon Steel and plated to ASTM B 633, Type III, SC-1.
   E. Hot Dip Galvanized: Plain steel (ASTM AS10) dip after fabricated and formed. ASTM A123.
3. Wire basket shall be made of high strength steel wires and formed into a standard 2-inch by 4-inch wire mesh pattern with intersecting wires welded together. All mesh sections must have at least one bottom longitudinal wire along entire length of straight section.
4. Wire basket sizes shall conform to the following nominal criteria:
   A. Straight sections shall be furnished in standard 118" (3m) lengths.
   B. Wire diameter shall be 0.195" (5mm) minimum on all mesh sections. Wire diameter shall be minimum size of 4.5mm on stainless steel.
   C. Wire basket shall have a 2-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28), (30), (32) inches wide.
   D. Wire basket shall have a 4-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28) inches wide.
   E. Wire basket shall have a 6-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20), (22), (24) inches wide.
   F. Wire basket shall have an 8-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20) inches wide.
5. All fittings shall be field formed from straight sections in accordance with manufacturer's instructions.
6. All Tray sections and splicing assemblies shall be UL/C-UL Classified as an Equipment Ground Conductor (EGC).
7. Wire mesh basket tray supports shall be ceiling trapeze type, center support, trapeze clips, or wall brackets as manufactured by Hubbell.
8. Special accessories shall be furnished as required to protect, support and install a wire basket support system.

# Aluminum Ladder Tray

Hubbell Wiring Aluminum Ladder Tray system is a highly effective indoor and outdoor cable and delivery distribution management solution that stands up to the largest distance demands and the toughest environments, providing optimum protection and accessibility for infrastructure components without sagging, or the need for secondary supports.

The Aluminum Ladder Tray is a modular system – Straight sections are 12 feet long, available in 4 or 6 inch heights and widths from 6 to 36 inches—allowing easy configuration planning for the unique topologies of every installation. The Hubbell Wiring Aluminum Ladder Tray System is UL Listed and meets or exceeds NEMA standard VE1. Hubbell Wiring offers a full line of complementary supports, brackets, dividers, fittings, hardware and other accessories.





**Arc-Welded Rung Construction**

- Full electrical continuity
- No loosening
- Superior structural performance



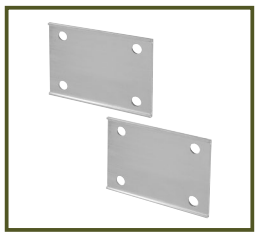
**Pre-Drilled Splice Plate Mounting Holes**

- Reduce on-site installation time



**Radius Fittings**

- Available in 12-, 24- or 36-inch radius
- All Radius fittings have a 3” flat surface beyond the radius



**Splice Plates**

- Included with all straight sections and fittings

# Aluminum Ladder Tray

## Straight Sections

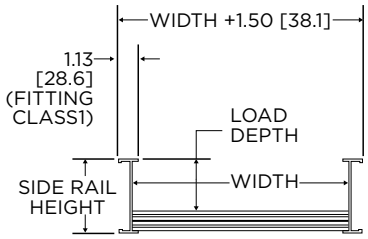


**Features**

- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- NEMA Class B or C
- Splice plates and hardware included*
- 12 foot sections with 9 inch rung spacing
- Rungs are welded to stringers for strength and continuity
- Use with Class 1 Fittings

| Rail Height | Width | NEMA Class | NEMA Safe Load (lb/ft) | AMP Rating | Catalog Number |
|---|---|---|---|---|---|
| 4" | 6" | B | 81 | 1000 | **LTB406** |
| | | C | 100 | 1000 | **LTC406** |
| | 9" | B | 81 | 1000 | **LTB409** |
| | | C | 100 | 1000 | **LTC409** |
| | 12" | B | 81 | 1000 | **LTB412** |
| | | C | 100 | 1000 | **LTC412** |
| | 18" | B | 81 | 1000 | **LTB418** |
| | | C | 100 | 1000 | **LTC418** |
| | 24" | B | 81 | 1000 | **LTB424** |
| | | C | 100 | 1000 | **LTC424** |
| | 30" | B | 81 | 1000 | **LTB430** |
| | | C | 100 | 1000 | **LTC430** |
| | 36" | B | 81 | 1000 | **LTB436** |
| | | C | 100 | 1000 | **LTC436** |
| 6" | 6" | B | 89 | 1200 | **LTB606** |
| | | C | 105 | 1200 | **LTC606** |
| | 9" | B | 89 | 1200 | **LTB609** |
| | | C | 105 | 1200 | **LTC609** |
| | 12" | B | 89 | 1200 | **LTB612** |
| | | C | 105 | 1200 | **LTC612** |
| | 18" | B | 89 | 1200 | **LTB618** |
| | | C | 105 | 1200 | **LTC618** |
| | 24" | B | 89 | 1200 | **LTB624** |
| | | C | 105 | 1200 | **LTC624** |
| | 30" | B | 89 | 1200 | **LTB630** |
| | | C | 105 | 1200 | **LTC630** |
| | 36" | B | 89 | 1200 | **LTB636** |
| | | C | 105 | 1200 | **LTC636** |

*Note: 4" Rail Height has a Load Depth of 3". 6" Rail height has a Load Depth of 5". Total Width is Width +1.5".*
**Included hardware is geomet-plated steel.*



# Aluminum Ladder Tray

## Fittings, Horizontal Elbows



**Features**

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

| Rail Height | Width | Radius | 30 Degree | 45 Degree | 60 Degree | 90 Degree |
|---|---|---|---|---|---|---|
| 4" | 6" | 12" | **LFHB3040612** | **LFHB4540612** | **LFHB6040612** | **LFHB9040612** |
| | | 24" | **LFHB3040624** | **LFHB4540624** | **LFHB6040624** | **LFHB9040624** |
| | | 36" | **LFHB3040636** | **LFHB4540636** | **LFHB6040636** | **LFHB9040636** |
| | 9" | 12" | **LFHB3040912** | **LFHB4540912** | **LFHB6040912** | **LFHB9040912** |
| | | 24" | **LFHB3040924** | **LFHB4540924** | **LFHB6040924** | **LFHB9040924** |
| | | 36" | **LFHB3040936** | **LFHB4540936** | **LFHB6040936** | **LFHB9040936** |
| | 12" | 12" | **LFHB3041212** | **LFHB4541212** | **LFHB6041212** | **LFHB9041212** |
| | | 24" | **LFHB3041224** | **LFHB4541224** | **LFHB6041224** | **LFHB9041224** |
| | | 36" | **LFHB3041236** | **LFHB4541236** | **LFHB6041236** | **LFHB9041236** |
| | 18" | 12" | **LFHB3041812** | **LFHB4541812** | **LFHB6041812** | **LFHB9041812** |
| | | 24" | **LFHB3041824** | **LFHB4541824** | **LFHB6041824** | **LFHB9041824** |
| | | 36" | **LFHB3041836** | **LFHB4541836** | **LFHB6041836** | **LFHB9041836** |
| | 24" | 12" | **LFHB3042412** | **LFHB4542412** | **LFHB6042412** | **LFHB9042412** |
| | | 24" | **LFHB3042424** | **LFHB4542424** | **LFHB6042424** | **LFHB9042424** |
| | | 36" | **LFHB3042436** | **LFHB4542436** | **LFHB6042436** | **LFHB9042436** |
| | 30" | 12" | **LFHB3043012** | **LFHB4543012** | **LFHB6043012** | **LFHB9043012** |
| | | 24" | **LFHB3043024** | **LFHB4543024** | **LFHB6043024** | **LFHB9043024** |
| | | 36" | **LFHB3043036** | **LFHB4543036** | **LFHB6043036** | **LFHB9043036** |
| | 36" | 12" | **LFHB3043612** | **LFHB4543612** | **LFHB6043612** | **LFHB9043612** |
| | | 24" | **LFHB3043624** | **LFHB4543624** | **LFHB6043624** | **LFHB9043624** |
| | | 36" | **LFHB3043636** | **LFHB4543636** | **LFHB6043636** | **LFHB9043636** |
| 6" | 6" | 12" | **LFHB3060612** | **LFHB4560612** | **LFHB6060612** | **LFHB9060612** |
| | | 24" | **LFHB3060624** | **LFHB4560624** | **LFHB6060624** | **LFHB9060624** |
| | | 36" | **LFHB3060636** | **LFHB4560636** | **LFHB6060636** | **LFHB9060636** |
| | 9" | 12" | **LFHB3060912** | **LFHB4560912** | **LFHB6060912** | **LFHB9060912** |
| | | 24" | **LFHB3060924** | **LFHB4560924** | **LFHB6060924** | **LFHB9060924** |
| | | 36" | **LFHB3060936** | **LFHB4560936** | **LFHB6060936** | **LFHB9060936** |
| | 12" | 12" | **LFHB3061212** | **LFHB4561212** | **LFHB6061212** | **LFHB9061212** |
| | | 24" | **LFHB3061224** | **LFHB4561224** | **LFHB6061224** | **LFHB9061224** |
| | | 36" | **LFHB3061236** | **LFHB4561236** | **LFHB6061236** | **LFHB9061236** |
| | 18" | 12" | **LFHB3061812** | **LFHB4561812** | **LFHB6061812** | **LFHB9061812** |
| | | 24" | **LFHB3061824** | **LFHB4561824** | **LFHB6061824** | **LFHB9061824** |
| | | 36" | **LFHB3061836** | **LFHB4561836** | **LFHB6061836** | **LFHB9061836** |
| | 24" | 12" | **LFHB3062412** | **LFHB4562412** | **LFHB6062412** | **LFHB9062412** |
| | | 24" | **LFHB3062424** | **LFHB4562424** | **LFHB6062424** | **LFHB9062424** |
| | | 36" | **LFHB3062436** | **LFHB4562436** | **LFHB6062436** | **LFHB9062436** |
| | 30" | 12" | **LFHB3063012** | **LFHB4563012** | **LFHB6063012** | **LFHB9063012** |
| | | 24" | **LFHB3063024** | **LFHB4563024** | **LFHB6063024** | **LFHB9063024** |
| | | 36" | **LFHB3063036** | **LFHB4563036** | **LFHB6063036** | **LFHB9063036** |
| | 36" | 12" | **LFHB3063612** | **LFHB4563612** | **LFHB6063612** | **LFHB9063612** |
| | | 24" | **LFHB3063624** | **LFHB4563624** | **LFHB6063624** | **LFHB9063624** |
| | | 36" | **LFHB3063636** | **LFHB4563636** | **LFHB6063636** | **LFHB9063636** |

**Included hardware is geomet-plated steel.*

## Fittings, Vertical Inside Elbows



**Features**

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

| Rail Height | Width | Radius | 30 Degree | 45 Degree | 60 Degree | 90 Degree |
|---|---|---|---|---|---|---|
| 4" | 6" | 12" | **LFVI3040612** | **LFVI4540612** | **LFVI6040612** | **LFVI9040612** |
| | | 24" | **LFVI3040624** | **LFVI4540624** | **LFVI6040624** | **LFVI9040624** |
| | | 36" | **LFVI3040636** | **LFVI4540636** | **LFVI6040636** | **LFVI9040636** |
| | 9" | 12" | **LFVI3040912** | **LFVI4540912** | **LFVI6040912** | **LFVI9040912** |
| | | 24" | **LFVI3040924** | **LFVI4540924** | **LFVI6040924** | **LFVI9040924** |
| | | 36" | **LFVI3040936** | **LFVI4540936** | **LFVI6040936** | **LFVI9040936** |
| | 12" | 12" | **LFVI3041212** | **LFVI4541212** | **LFVI6041212** | **LFVI9041212** |
| | | 24" | **LFVI3041224** | **LFVI4541224** | **LFVI6041224** | **LFVI9041224** |
| | | 36" | **LFVI3041236** | **LFVI4541236** | **LFVI6041236** | **LFVI9041236** |
| | 18" | 12" | **LFVI3041812** | **LFVI4541812** | **LFVI6041812** | **LFVI9041812** |
| | | 24" | **LFVI3041824** | **LFVI4541824** | **LFVI6041824** | **LFVI9041824** |
| | | 36" | **LFVI3041836** | **LFVI4541836** | **LFVI6041836** | **LFVI9041836** |
| | 24" | 12" | **LFVI3042412** | **LFVI4542412** | **LFVI6042412** | **LFVI9042412** |
| | | 24" | **LFVI3042424** | **LFVI4542424** | **LFVI6042424** | **LFVI9042424** |
| | | 36" | **LFVI3042436** | **LFVI4542436** | **LFVI6042436** | **LFVI9042436** |
| | 30" | 12" | **LFVI3043012** | **LFVI4543012** | **LFVI6043012** | **LFVI9043012** |
| | | 24" | **LFVI3043024** | **LFVI4543024** | **LFVI6043024** | **LFVI9043024** |
| | | 36" | **LFVI3043036** | **LFVI4543036** | **LFVI6043036** | **LFVI9043036** |
| | 36" | 12" | **LFVI3043612** | **LFVI4543612** | **LFVI6043612** | **LFVI9043612** |
| | | 24" | **LFVI3043624** | **LFVI4543624** | **LFVI6043624** | **LFVI9043624** |
| | | 36" | **LFVI3043636** | **LFVI4543636** | **LFVI6043636** | **LFVI9043636** |
| 6" | 6" | 12" | **LFVI3060612** | **LFVI4560612** | **LFVI6060612** | **LFVI9060612** |
| | | 24" | **LFVI3060624** | **LFVI4560624** | **LFVI6060624** | **LFVI9060624** |
| | | 36" | **LFVI3060636** | **LFVI4560636** | **LFVI6060636** | **LFVI9060636** |
| | 9" | 12" | **LFVI3060912** | **LFVI4560912** | **LFVI6060912** | **LFVI9060912** |
| | | 24" | **LFVI3060924** | **LFVI4560924** | **LFVI6060924** | **LFVI9060924** |
| | | 36" | **LFVI3060936** | **LFVI4560936** | **LFVI6060936** | **LFVI9060936** |
| | 12" | 12" | **LFVI3061212** | **LFVI4561212** | **LFVI6061212** | **LFVI9061212** |
| | | 24" | **LFVI3061224** | **LFVI4561224** | **LFVI6061224** | **LFVI9061224** |
| | | 36" | **LFVI3061236** | **LFVI4561236** | **LFVI6061236** | **LFVI9061236** |
| | 18" | 12" | **LFVI3061812** | **LFVI4561812** | **LFVI6061812** | **LFVI9061812** |
| | | 24" | **LFVI3061824** | **LFVI4561824** | **LFVI6061824** | **LFVI9061824** |
| | | 36" | **LFVI3061836** | **LFVI4561836** | **LFVI6061836** | **LFVI9061836** |
| | 24" | 12" | **LFVI3062412** | **LFVI4562412** | **LFVI6062412** | **LFVI9062412** |
| | | 24" | **LFVI3062424** | **LFVI4562424** | **LFVI6062424** | **LFVI9062424** |
| | | 36" | **LFVI3062436** | **LFVI4562436** | **LFVI6062436** | **LFVI9062436** |
| | 30" | 12" | **LFVI3063012** | **LFVI4563012** | **LFVI6063012** | **LFVI9063012** |
| | | 24" | **LFVI3063024** | **LFVI4563024** | **LFVI6063024** | **LFVI9063024** |
| | | 36" | **LFVI3063036** | **LFVI4563036** | **LFVI6063036** | **LFVI9063036** |
| | 36" | 12" | **LFVI3063612** | **LFVI4563612** | **LFVI6063612** | **LFVI9063612** |
| | | 24" | **LFVI3063624** | **LFVI4563624** | **LFVI6063624** | **LFVI9063624** |
| | | 36" | **LFVI3063636** | **LFVI4563636** | **LFVI6063636** | **LFVI9063636** |

**Included hardware is geomet-plated steel*

## Fittings, Vertical Outside Elbows



**Features**

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

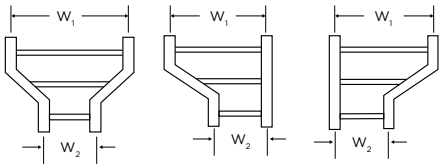
| Rail Height | Width | Radius | 30 Degree | 45 Degree | 60 Degree | 90 Degree |
|---|---|---|---|---|---|---|
| 4" | 6" | 12" | **LFVO3040612** | **LFVO4540612** | **LFVO6040612** | **LFVO9040612** |
| | | 24" | **LFVO3040624** | **LFVO4540624** | **LFVO6040624** | **LFVO9040624** |
| | | 36" | **LFVO3040636** | **LFVO4540636** | **LFVO6040636** | **LFVO9040636** |
| | 9" | 12" | **LFVO3040912** | **LFVO4540912** | **LFVO6040912** | **LFVO9040912** |
| | | 24" | **LFVO3040924** | **LFVO4540924** | **LFVO6040924** | **LFVO9040924** |
| | | 36" | **LFVO3040936** | **LFVO4540936** | **LFVO6040936** | **LFVO9040936** |
| | 12" | 12" | **LFVO3041212** | **LFVO4541212** | **LFVO6041212** | **LFVO9041212** |
| | | 24" | **LFVO3041224** | **LFVO4541224** | **LFVO6041224** | **LFVO9041224** |
| | | 36" | **LFVO3041236** | **LFVO4541236** | **LFVO6041236** | **LFVO9041236** |
| | 18" | 12" | **LFVO3041812** | **LFVO4541812** | **LFVO6041812** | **LFVO9041812** |
| | | 24" | **LFVO3041824** | **LFVO4541824** | **LFVO6041824** | **LFVO9041824** |
| | | 36" | **LFVO3041836** | **LFVO4541836** | **LFVO6041836** | **LFVO9041836** |
| | 24" | 12" | **LFVO3042412** | **LFVO4542412** | **LFVO6042412** | **LFVO9042412** |
| | | 24" | **LFVO3042424** | **LFVO4542424** | **LFVO6042424** | **LFVO9042424** |
| | | 36" | **LFVO3042436** | **LFVO4542436** | **LFVO6042436** | **LFVO9042436** |
| | 30" | 12" | **LFVO3043012** | **LFVO4543012** | **LFVO6043012** | **LFVO9043012** |
| | | 24" | **LFVO3043024** | **LFVO4543024** | **LFVO6043024** | **LFVO9043024** |
| | | 36" | **LFVO3043036** | **LFVO4543036** | **LFVO6043036** | **LFVO9043036** |
| | 36" | 12" | **LFVO3043612** | **LFVO4543612** | **LFVO6043612** | **LFVO9043612** |
| | | 24" | **LFVO3043624** | **LFVO4543624** | **LFVO6043624** | **LFVO9043624** |
| | | 36" | **LFVO3043636** | **LFVO4543636** | **LFVO6043636** | **LFVO9043636** |
| 6" | 6" | 12" | **LFVO3060612** | **LFVO4560612** | **LFVO6060612** | **LFVO9060612** |
| | | 24" | **LFVO3060624** | **LFVO4560624** | **LFVO6060624** | **LFVO9060624** |
| | | 36" | **LFVO3060636** | **LFVO4560636** | **LFVO6060636** | **LFVO9060636** |
| | 9" | 12" | **LFVO3060912** | **LFVO4560912** | **LFVO6060912** | **LFVO9060912** |
| | | 24" | **LFVO3060924** | **LFVO4560924** | **LFVO6060924** | **LFVO9060924** |
| | | 36" | **LFVO3060936** | **LFVO4560936** | **LFVO6060936** | **LFVO9060936** |
| | 12" | 12" | **LFVO3061212** | **LFVO4561212** | **LFVO6061212** | **LFVO9061212** |
| | | 24" | **LFVO3061224** | **LFVO4561224** | **LFVO6061224** | **LFVO9061224** |
| | | 36" | **LFVO3061236** | **LFVO4561236** | **LFVO6061236** | **LFVO9061236** |
| | 18" | 12" | **LFVO3061812** | **LFVO4561812** | **LFVO6061812** | **LFVO9061812** |
| | | 24" | **LFVO3061824** | **LFVO4561824** | **LFVO6061824** | **LFVO9061824** |
| | | 36" | **LFVO3061836** | **LFVO4561836** | **LFVO6061836** | **LFVO9061836** |
| | 24" | 12" | **LFVO3062412** | **LFVO4562412** | **LFVO6062412** | **LFVO9062412** |
| | | 24" | **LFVO3062424** | **LFVO4562424** | **LFVO6062424** | **LFVO9062424** |
| | | 36" | **LFVO3062436** | **LFVO4562436** | **LFVO6062436** | **LFVO9062436** |
| | 30" | 12" | **LFVO3063012** | **LFVO4563012** | **LFVO6063012** | **LFVO9063012** |
| | | 24" | **LFVO3063024** | **LFVO4563024** | **LFVO6063024** | **LFVO9063024** |
| | | 36" | **LFVO3063036** | **LFVO4563036** | **LFVO6063036** | **LFVO9063036** |
| | 36" | 12" | **LFVO3063612** | **LFVO4563612** | **LFVO6063612** | **LFVO9063612** |
| | | 24" | **LFVO3063624** | **LFVO4563624** | **LFVO6063624** | **LFVO9063624** |
| | | 36" | **LFVO3063636** | **LFVO4563636** | **LFVO6063636** | **LFVO9063636** |

**Included hardware is geomet-plated steel.*

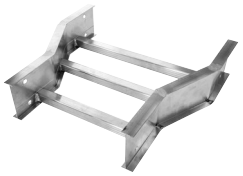
## Fittings, Reducers

### Features

- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*




| Rail Height | Width 1 | Width 2 | Center | left | right |
|---|---|---|---|---|---|
| 4" | 9" | 6" | **LFRC40906** | **LFRL40906** | **LFRR40906** |
| | 12" | 6" | **LFRC41206** | **LFRL41206** | **LFRR41206** |
| | | 9" | **LFRC41209** | **LFRL41209** | **LFRR41209** |
| | 18" | 6" | **LFRC41806** | **LFRL41806** | **LFRR41806** |
| | | 9" | **LFRC41809** | **LFRL41809** | **LFRR41809** |
| | | 12" | **LFRC41812** | **LFRL41812** | **LFRR41812** |
| | 24" | 6" | **LFRC42406** | **LFRL42406** | **LFRR42406** |
| | | 9" | **LFRC42409** | **LFRL42409** | **LFRR42409** |
| | | 12" | **LFRC42412** | **LFRL42412** | **LFRR42412** |
| | | 18" | **LFRC42418** | **LFRL42418** | **LFRR42418** |
| | 30" | 6" | **LFRC43006** | **LFRL43006** | **LFRR43006** |
| | | 9" | **LFRC43009** | **LFRL43009** | **LFRR43009** |
| | | 12" | **LFRC43012** | **LFRL43012** | **LFRR43012** |
| | | 18" | **LFRC43018** | **LFRL43018** | **LFRR43018** |
| | | 24" | **LFRC43024** | **LFRL43024** | **LFRR43024** |
| | 36" | 6" | **LFRC43606** | **LFRL43606** | **LFRL43606** |
| | | 9" | **LFRC43609** | **LFRL43609** | **LFRL43609** |
| | | 12" | **LFRC43612** | **LFRL43612** | **LFRL43612** |
| | | 18" | **LFRC43618** | **LFRL43618** | **LFRL43618** |
| | | 24" | **LFRC43624** | **LFRL43624** | **LFRL43624** |
| | | 30" | **LFRC43630** | **LFRL43630** | **LFRL43630** |
| 6" | 9" | 6" | **LFRC60906** | **LFRL60906** | **LFRR60906** |
| | 12" | 6" | **LFRC61206** | **LFRL61206** | **LFRR61206** |
| | | 9" | **LFRC61209** | **LFRL61209** | **LFRR61209** |
| | 18" | 6" | **LFRC61806** | **LFRL61806** | **LFRR61806** |
| | | 9" | **LFRC61809** | **LFRL61809** | **LFRR61809** |
| | | 12" | **LFRC61812** | **LFRL61812** | **LFRR61812** |
| | 24" | 6" | **LFRC62406** | **LFRL62406** | **LFRR62406** |
| | | 9" | **LFRC62409** | **LFRL62409** | **LFRR62409** |
| | | 12" | **LFRC62412** | **LFRL62412** | **LFRR62412** |
| | | 18" | **LFRC62418** | **LFRL62418** | **LFRR62418** |
| | 30" | 6" | **LFRC63006** | **LFRL63006** | **LFRR63006** |
| | | 9" | **LFRC63009** | **LFRL63009** | **LFRR63009** |
| | | 12" | **LFRC63012** | **LFRL63012** | **LFRR63012** |
| | | 18" | **LFRC63018** | **LFRL63018** | **LFRR63018** |
| | | 24" | **LFRC63024** | **LFRL63024** | **LFRR63024** |
| | 36" | 6" | **LFRC63606** | **LFRL63606** | **LFRL43606** |
| | | 9" | **LFRC63609** | **LFRL63609** | **LFRL43609** |
| | | 12" | **LFRC63612** | **LFRL63612** | **LFRL43612** |
| | | 18" | **LFRC63618** | **LFRL63618** | **LFRL43618** |
| | | 24" | **LFRC63624** | **LFRL63624** | **LFRL43624** |
| | | 30" | **LFRC63630** | **LFRL63630** | **LFRL43630** |







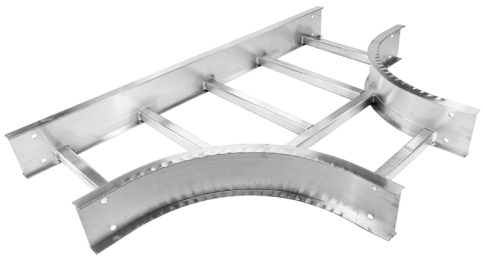
*Included hardware is geomet-plated steel

# Aluminum Ladder Tray

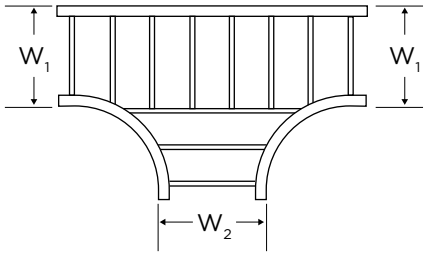
## Fittings, Standard Horizontal Tee (Width 1 = Width 2)

### Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL TEE
$W_1=W_2$




| Rail Height | Width 1 | Width 2 | Radius | 90 Degree |
|---|---|---|---|---|
| 4" | 6" | 6" | 12" | **LFT4060612** |
| | | | 24" | **LFT4060624** |
| | | | 36" | **LFT4060636** |
| | 9" | 9" | 12" | **LFT4090912** |
| | | | 24" | **LFT4090924** |
| | | | 36" | **LFT4090936** |
| | 12" | 12" | 12" | **LFT4121212** |
| | | | 24" | **LFT4121224** |
| | | | 36" | **LFT4121236** |
| | 18" | 18" | 12" | **LFT4181812** |
| | | | 24" | **LFT4181824** |
| | | | 36" | **LFT4181836** |
| | 24" | 24" | 12" | **LFT4242412** |
| | | | 24" | **LFT4242424** |
| | | | 36" | **LFT4242436** |
| | 30" | 30" | 12" | **LFT4303012** |
| | | | 24" | **LFT4303024** |
| | | | 36" | **LFT4303036** |
| | 36" | 36" | 12" | **LFT4363612** |
| | | | 24" | **LFT4363624** |
| | | | 36" | **LFT4363636** |
| 6" | 6" | 6" | 12" | **LFT6060612** |
| | | | 24" | **LFT6060624** |
| | | | 36" | **LFT6060636** |
| | 9" | 9" | 12" | **LFT6090912** |
| | | | 24" | **LFT6090924** |
| | | | 36" | **LFT6090936** |
| | 12" | 12" | 12" | **LFT6121212** |
| | | | 24" | **LFT6121224** |
| | | | 36" | **LFT6121236** |
| | 18" | 18" | 12" | **LFT6181812** |
| | | | 24" | **LFT6181824** |
| | | | 36" | **LFT6181836** |
| | 24" | 24" | 12" | **LFT6242412** |
| | | | 24" | **LFT6242424** |
| | | | 36" | **LFT6242436** |
| | 30" | 30" | 12" | **LFT6303012** |
| | | | 24" | **LFT6303024** |
| | | | 36" | **LFT6303036** |
| | 36" | 36" | 12" | **LFT6363612** |
| | | | 24" | **LFT6363624** |
| | | | 36" | **LFT6363636** |

**Included hardware is geomet-plated steel.*

## Fittings, Expanding Horizontal Tee (Wdith 1 < Width 2)

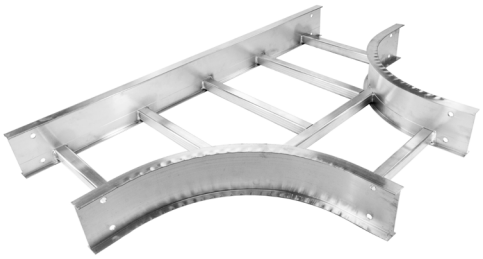
### Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

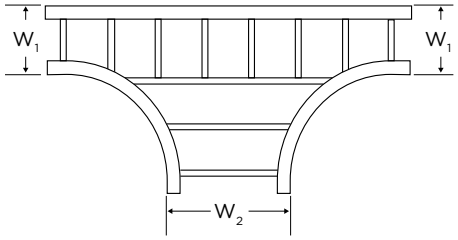
| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 4" | 6" | 9" | 12" | **LFT4060912** |
| | | | 24" | **LFT4060924** |
| | | | 36" | **LFT4060936** |
| | | 12" | 12" | **LFT4061212** |
| | | | 24" | **LFT4061224** |
| | | | 36" | **LFT4061236** |
| | | 18" | 12" | **LFT4061812** |
| | | | 24" | **LFT4061824** |
| | | | 36" | **LFT4061836** |
| | | 24" | 12" | **LFT4062412** |
| | | | 24" | **LFT4062424** |
| | | | 36" | **LFT4062436** |
| | | 30" | 12" | **LFT4063012** |
| | | | 24" | **LFT4063024** |
| | | | 36" | **LFT4063036** |
| | | 36" | 12" | **LFT4063612** |
| | | | 24" | **LFT4063624** |
| | | | 36" | **LFT4063636** |
| | 9" | 12" | 12" | **LFT4091212** |
| | | | 24" | **LFT4091224** |
| | | | 36" | **LFT4091236** |
| | | 18" | 12" | **LFT4091812** |
| | | | 24" | **LFT4091824** |
| | | | 36" | **LFT4091836** |
| | | 24" | 12" | **LFT4092412** |
| | | | 24" | **LFT4092424** |
| | | | 36" | **LFT4092436** |
| | | 30" | 12" | **LFT4093012** |
| | | | 24" | **LFT4093024** |
| | | | 36" | **LFT4093036** |
| | | 36" | 12" | **LFT4093612** |
| | | | 24" | **LFT4093624** |
| | | | 36" | **LFT4093636** |
| | 12" | 18" | 12" | **LFT4121812** |
| | | | 24" | **LFT4121824** |
| | | | 36" | **LFT4121836** |
| | | 24" | 12" | **LFT4122412** |
| | | | 24" | **LFT4122424** |
| | | | 36" | **LFT4122436** |
| | | 30" | 12" | **LFT4123012** |
| | | | 24" | **LFT4123024** |
| | | | 36" | **LFT4123036** |
| | | 36" | 12" | **LFT4123612** |
| | | | 24" | **LFT4123624** |
| | | | 36" | **LFT4123636** |
| | 18" | 24" | 12" | **LFT4182412** |
| | | | 24" | **LFT4182424** |
| | | | 36" | **LFT4182436** |
| | | 30" | 12" | **LFT4183012** |
| | | | 24" | **LFT4183024** |
| | | | 36" | **LFT4183036** |
| | | 36" | 12" | **LFT4183612** |
| | | | 24" | **LFT4183624** |
| | | | 36" | **LFT4183636** |
| | 24" | 30" | 12" | **LFT4243012** |
| | | | 24" | **LFT4243024** |
| | | | 36" | **LFT4243036** |
| | | 36" | 12" | **LFT4243612** |
| | | | 24" | **LFT4243624** |
| | | | 36" | **LFT4243636** |
| | 30" | 36" | 12" | **LFT4303612** |
| | | | 24" | **LFT4303624** |
| | | | 36" | **LFT4303636** |

| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 6" | 6" | 9" | 12" | **LFT6060912** |
| | | | 24" | **LFT6060924** |
| | | | 36" | **LFT6060936** |
| | | 12" | 12" | **LFT6061212** |
| | | | 24" | **LFT6061224** |
| | | | 36" | **LFT6061236** |
| | | 18" | 12" | **LFT6061812** |
| | | | 24" | **LFT6061824** |
| | | | 36" | **LFT6061836** |
| | | 24" | 12" | **LFT6062412** |
| | | | 24" | **LFT6062424** |
| | | | 36" | **LFT6062436** |
| | | 30" | 12" | **LFT6063012** |
| | | | 24" | **LFT6063024** |
| | | | 36" | **LFT6063036** |
| | | 36" | 12" | **LFT6063612** |
| | | | 24" | **LFT6063624** |
| | | | 36" | **LFT6063636** |
| | 9" | 12" | 12" | **LFT6091212** |
| | | | 24" | **LFT6091224** |
| | | | 36" | **LFT6091236** |
| | | 18" | 12" | **LFT6091812** |
| | | | 24" | **LFT6091824** |
| | | | 36" | **LFT6091836** |
| | | 24" | 12" | **LFT6092412** |
| | | | 24" | **LFT6092424** |
| | | | 36" | **LFT6092436** |
| | | 30" | 12" | **LFT6093012** |
| | | | 24" | **LFT6093024** |
| | | | 36" | **LFT6093036** |
| | | 36" | 12" | **LFT6093612** |
| | | | 24" | **LFT6093624** |
| | | | 36" | **LFT6093636** |
| | 12" | 18" | 12" | **LFT6121812** |
| | | | 24" | **LFT6121824** |
| | | | 36" | **LFT6121836** |
| | | 24" | 12" | **LFT6122412** |
| | | | 24" | **LFT6122424** |
| | | | 36" | **LFT6122436** |
| | | 30" | 12" | **LFT6123012** |
| | | | 24" | **LFT6123024** |
| | | | 36" | **LFT6123036** |
| | | 36" | 12" | **LFT6123612** |
| | | | 24" | **LFT6123624** |
| | | | 36" | **LFT6123636** |
| | 18" | 24" | 12" | **LFT6182412** |
| | | | 24" | **LFT6182424** |
| | | | 36" | **LFT6182436** |
| | | 30" | 12" | **LFT6183012** |
| | | | 24" | **LFT6183024** |
| | | | 36" | **LFT6183036** |
| | | 36" | 12" | **LFT6183612** |
| | | | 24" | **LFT6183624** |
| | | | 36" | **LFT6183636** |
| | 24" | 30" | 12" | **LFT6243012** |
| | | | 24" | **LFT6243024** |
| | | | 36" | **LFT6243036** |
| | | 36" | 12" | **LFT6243612** |
| | | | 24" | **LFT6243624** |
| | | | 36" | **LFT6243636** |
| | 30" | 36" | 12" | **LFT6303612** |
| | | | 24" | **LFT6303624** |
| | | | 36" | **LFT6303636** |

*Included hardware is geomet-plated steel.



**HORIZONTAL EXPANDING TEE**
**$W_1 < W_2$**



## Fittings, Reducing Horizontal Tee (Width 1 > Width 2)

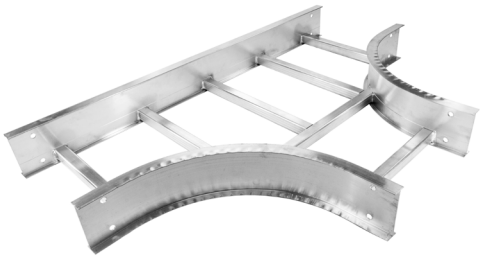
### Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

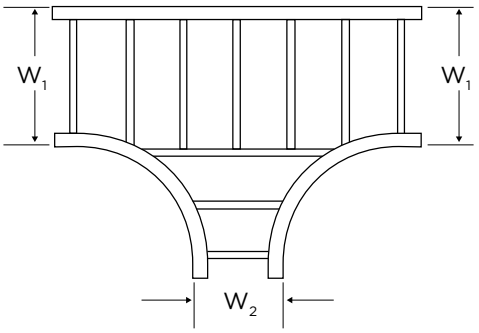
| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 4" | 9" | 6" | 12" | **LFT4090612** |
| | | | 24" | **LFT4090624** |
| | | | 36" | **LFT4090636** |
| | 12" | 6" | 12" | **LFT4120612** |
| | | | 24" | **LFT4120624** |
| | | | 36" | **LFT4120636** |
| | | 9" | 12" | **LFT4120912** |
| | | | 24" | **LFT4120924** |
| | | | 36" | **LFT4120936** |
| | 18" | 6" | 12" | **LFT4180612** |
| | | | 24" | **LFT4180624** |
| | | | 36" | **LFT4180636** |
| | | 9" | 12" | **LFT4180912** |
| | | | 24" | **LFT4180924** |
| | | | 36" | **LFT4180936** |
| | | 12" | 12" | **LFT4181212** |
| | | | 24" | **LFT4181224** |
| | | | 36" | **LFT4181236** |
| | 24" | 6" | 12" | **LFT4240612** |
| | | | 24" | **LFT4240624** |
| | | | 36" | **LFT4240636** |
| | | 9" | 12" | **LFT4240912** |
| | | | 24" | **LFT4240924** |
| | | | 36" | **LFT4240936** |
| | | 12" | 12" | **LFT4241212** |
| | | | 24" | **LFT4241224** |
| | | | 36" | **LFT4241236** |
| | | 18" | 12" | **LFT4241812** |
| | | | 24" | **LFT4241824** |
| | | | 36" | **LFT4241836** |
| | 30" | 6" | 12" | **LFT4300612** |
| | | | 24" | **LFT4300624** |
| | | | 36" | **LFT4300636** |
| | | 9" | 12" | **LFT4300912** |
| | | | 24" | **LFT4300924** |
| | | | 36" | **LFT4300936** |
| | | 12" | 12" | **LFT4301212** |
| | | | 24" | **LFT4301224** |
| | | | 36" | **LFT4301236** |
| | | 18" | 12" | **LFT4301812** |
| | | | 24" | **LFT4301824** |
| | | | 36" | **LFT4301836** |
| | | 24" | 12" | **LFT4302412** |
| | | | 24" | **LFT4302424** |
| | | | 36" | **LFT4302436** |
| | 36" | 6" | 12" | **LFT4360612** |
| | | | 24" | **LFT4360624** |
| | | | 36" | **LFT4360636** |
| | | 9" | 12" | **LFT4360912** |
| | | | 24" | **LFT4360924** |
| | | | 36" | **LFT4360936** |
| | | 12" | 12" | **LFT4361212** |
| | | | 24" | **LFT4361224** |
| | | | 36" | **LFT4361236** |
| | | 18" | 12" | **LFT4361812** |
| | | | 24" | **LFT4361824** |
| | | | 36" | **LFT4361836** |
| | | 24" | 12" | **LFT4362412** |
| | | | 24" | **LFT4362424** |
| | | | 36" | **LFT4362436** |
| | | 30" | 12" | **LFT4363012** |
| | | | 24" | **LFT4363024** |
| | | | 36" | **LFT4363036** |

| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 6" | 9" | 6" | 12" | **LFT6090612** |
| | | | 24" | **LFT6090624** |
| | | | 36" | **LFT6090636** |
| | 12" | 6" | 12" | **LFT6120612** |
| | | | 24" | **LFT6120624** |
| | | | 36" | **LFT6120636** |
| | | 9" | 12" | **LFT6120912** |
| | | | 24" | **LFT6120924** |
| | | | 36" | **LFT6120936** |
| | 18" | 6" | 12" | **LFT6180612** |
| | | | 24" | **LFT6180624** |
| | | | 36" | **LFT6180636** |
| | | 9" | 12" | **LFT6180912** |
| | | | 24" | **LFT6180924** |
| | | | 36" | **LFT6180936** |
| | | 12" | 12" | **LFT6181212** |
| | | | 24" | **LFT6181224** |
| | | | 36" | **LFT6181236** |
| | 24" | 6" | 12" | **LFT6240612** |
| | | | 24" | **LFT6240624** |
| | | | 36" | **LFT6240636** |
| | | 9" | 12" | **LFT6240912** |
| | | | 24" | **LFT6240924** |
| | | | 36" | **LFT6240936** |
| | | 12" | 12" | **LFT6241212** |
| | | | 24" | **LFT6241224** |
| | | | 36" | **LFT6241236** |
| | | 18" | 12" | **LFT6241812** |
| | | | 24" | **LFT6241824** |
| | | | 36" | **LFT6241836** |
| | 30" | 6" | 12" | **LFT6300612** |
| | | | 24" | **LFT6300624** |
| | | | 36" | **LFT6300636** |
| | | 9" | 12" | **LFT6300912** |
| | | | 24" | **LFT6300924** |
| | | | 36" | **LFT6300936** |
| | | 12" | 12" | **LFT6301212** |
| | | | 24" | **LFT6301224** |
| | | | 36" | **LFT6301236** |
| | | 18" | 12" | **LFT6301812** |
| | | | 24" | **LFT6301824** |
| | | | 36" | **LFT6301836** |
| | | 24" | 12" | **LFT6302412** |
| | | | 24" | **LFT6302424** |
| | | | 36" | **LFT6302436** |
| | 36" | 6" | 12" | **LFT6360612** |
| | | | 24" | **LFT6360624** |
| | | | 36" | **LFT6360636** |
| | | 9" | 12" | **LFT6360912** |
| | | | 24" | **LFT6360924** |
| | | | 36" | **LFT6360936** |
| | | 12" | 12" | **LFT6361212** |
| | | | 24" | **LFT6361224** |
| | | | 36" | **LFT6361236** |
| | | 18" | 12" | **LFT6361812** |
| | | | 24" | **LFT6361824** |
| | | | 36" | **LFT6361836** |
| | | 24" | 12" | **LFT6362412** |
| | | | 24" | **LFT6362424** |
| | | | 36" | **LFT6362436** |
| | | 30" | 12" | **LFT6363012** |
| | | | 24" | **LFT6363024** |
| | | | 36" | **LFT6363036** |

*Included hardware is geomet-plated steel.



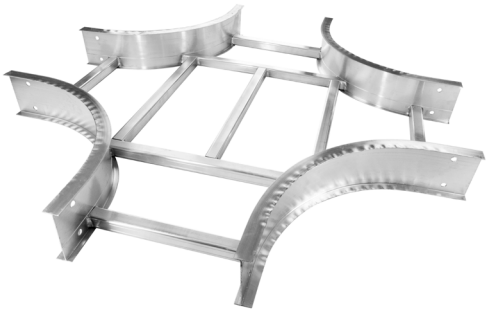
HORIZONTAL
EXPANDING TEE
$W_1 > W_2$



## Fittings, Standard Cross (Width 1 = Width 2)

### Features

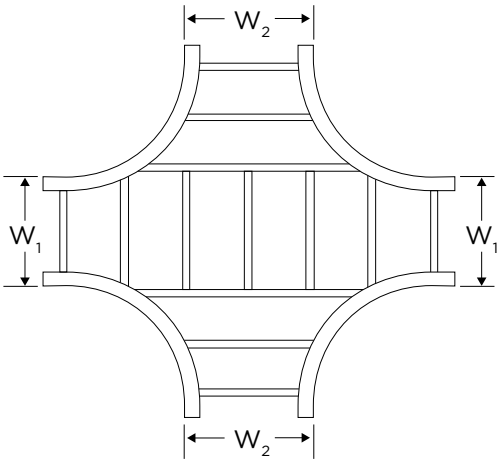
- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 4" | 6" | 6" | 12" | **LFX4060612** |
| | | | 24" | **LFX4060624** |
| | | | 36" | **LFX4060636** |
| | 9" | 9" | 12" | **LFX4090912** |
| | | | 24" | **LFX4090924** |
| | | | 36" | **LFX4090936** |
| | 12" | 12" | 12" | **LFX4121212** |
| | | | 24" | **LFX4121224** |
| | | | 36" | **LFX4121236** |
| | 18" | 18" | 12" | **LFX4181812** |
| | | | 24" | **LFX4181824** |
| | | | 36" | **LFX4181836** |
| | 24" | 24" | 12" | **LFX4242412** |
| | | | 24" | **LFX4242424** |
| | | | 36" | **LFX4242436** |
| | 30" | 30" | 12" | **LFX4303012** |
| | | | 24" | **LFX4303024** |
| | | | 36" | **LFX4303036** |
| | 36" | 36" | 12" | **LFX4363612** |
| | | | 24" | **LFX4363624** |
| | | | 36" | **LFX4363636** |
| 6" | 6" | 6" | 12" | **LFX6060612** |
| | | | 24" | **LFX6060624** |
| | | | 36" | **LFX6060636** |
| | 9" | 9" | 12" | **LFX6090912** |
| | | | 24" | **LFX6090924** |
| | | | 36" | **LFX6090936** |
| | 12" | 12" | 12" | **LFX6121212** |
| | | | 24" | **LFX6121224** |
| | | | 36" | **LFX6121236** |
| | 18" | 18" | 12" | **LFX6181812** |
| | | | 24" | **LFX6181824** |
| | | | 36" | **LFX6181836** |
| | 24" | 24" | 12" | **LFX6242412** |
| | | | 24" | **LFX6242424** |
| | | | 36" | **LFX6242436** |
| | 30" | 30" | 12" | **LFX6303012** |
| | | | 24" | **LFX6303024** |
| | | | 36" | **LFX6303036** |
| | 36" | 36" | 12" | **LFX6363612** |
| | | | 24" | **LFX6363624** |
| | | | 36" | **LFX6363636** |

*Included hardware is geomet-plated steel*

HORIZONTAL CROSS
$W_1=W_2$



## Fittings, Reducing Cross (Width 1 > Width 2)

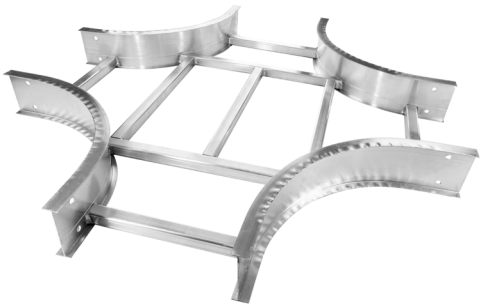
### Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*

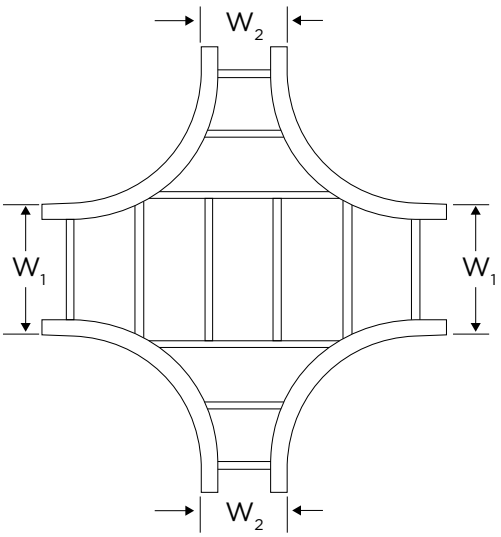
| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 4" | 9" | 6" | 12" | **LFX4090612** |
| | | | 24" | **LFX4090624** |
| | | | 36" | **LFX4090636** |
| | 12" | 6" | 12" | **LFX4120612** |
| | | | 24" | **LFX4120624** |
| | | | 36" | **LFX4120636** |
| | | 9" | 12" | **LFX4120912** |
| | | | 24" | **LFX4120924** |
| | | | 36" | **LFX4120936** |
| | 18" | 6" | 12" | **LFX4180612** |
| | | | 24" | **LFX4180624** |
| | | | 36" | **LFX4180636** |
| | | 9" | 12" | **LFX4180912** |
| | | | 24" | **LFX4180924** |
| | | | 36" | **LFX4180936** |
| | | 12" | 12" | **LFX4181212** |
| | | | 24" | **LFX4181224** |
| | | | 36" | **LFX4181236** |
| | 24" | 6" | 12" | **LFX4240612** |
| | | | 24" | **LFX4240624** |
| | | | 36" | **LFX4240636** |
| | | 9" | 12" | **LFX4240912** |
| | | | 24" | **LFX4240924** |
| | | | 36" | **LFX4240936** |
| | | 12" | 12" | **LFX4241212** |
| | | | 24" | **LFX4241224** |
| | | | 36" | **LFX4241236** |
| | | 18" | 12" | **LFX4241812** |
| | | | 24" | **LFX4241824** |
| | | | 36" | **LFX4241836** |
| | 30" | 6" | 12" | **LFX4300612** |
| | | | 24" | **LFX4300624** |
| | | | 36" | **LFX4300636** |
| | | 9" | 12" | **LFX4300912** |
| | | | 24" | **LFX4300924** |
| | | | 36" | **LFX4300936** |
| | | 12" | 12" | **LFX4301212** |
| | | | 24" | **LFX4301224** |
| | | | 36" | **LFX4301236** |
| | | 18" | 12" | **LFX4301812** |
| | | | 24" | **LFX4301824** |
| | | | 36" | **LFX4301836** |
| | | 24" | 12" | **LFX4302412** |
| | | | 24" | **LFX4302424** |
| | | | 36" | **LFX4302436** |
| | 36" | 6" | 12" | **LFX4360612** |
| | | | 24" | **LFX4360624** |
| | | | 36" | **LFX4360636** |
| | | 9" | 12" | **LFX4360912** |
| | | | 24" | **LFX4360924** |
| | | | 36" | **LFX4360936** |
| | | 12" | 12" | **LFX4361212** |
| | | | 24" | **LFX4361224** |
| | | | 36" | **LFX4361236** |
| | | 18" | 12" | **LFX4361812** |
| | | | 24" | **LFX4361824** |
| | | | 36" | **LFX4361836** |
| | | 24" | 12" | **LFX4362412** |
| | | | 24" | **LFX4362424** |
| | | | 36" | **LFX4362436** |
| | | 30" | 12" | **LFX4363012** |
| | | | 24" | **LFX4363024** |
| | | | 36" | **LFX4363036** |

| Rail Height | Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|---|
| 6" | 9" | 6" | 12" | **LFX6090612** |
| | | | 24" | **LFX6090624** |
| | | | 36" | **LFX6090636** |
| | 12" | 6" | 12" | **LFX6120612** |
| | | | 24" | **LFX6120624** |
| | | | 36" | **LFX6120636** |
| | | 9" | 12" | **LFX6120912** |
| | | | 24" | **LFX6120924** |
| | | | 36" | **LFX6120936** |
| | 18" | 6" | 12" | **LFX6180612** |
| | | | 24" | **LFX6180624** |
| | | | 36" | **LFX6180636** |
| | | 9" | 12" | **LFX6180912** |
| | | | 24" | **LFX6180924** |
| | | | 36" | **LFX6180936** |
| | | 12" | 12" | **LFX6181212** |
| | | | 24" | **LFX6181224** |
| | | | 36" | **LFX6181236** |
| | 24" | 6" | 12" | **LFX6240612** |
| | | | 24" | **LFX6240624** |
| | | | 36" | **LFX6240636** |
| | | 9" | 12" | **LFX6240912** |
| | | | 24" | **LFX6240924** |
| | | | 36" | **LFX6240936** |
| | | 12" | 12" | **LFX6241212** |
| | | | 24" | **LFX6241224** |
| | | | 36" | **LFX6241236** |
| | | 18" | 12" | **LFX6241812** |
| | | | 24" | **LFX6241824** |
| | | | 36" | **LFX6241836** |
| | 30" | 6" | 12" | **LFX6300612** |
| | | | 24" | **LFX6300624** |
| | | | 36" | **LFX6300636** |
| | | 9" | 12" | **LFX6300912** |
| | | | 24" | **LFX6300924** |
| | | | 36" | **LFX6300936** |
| | | 12" | 12" | **LFX6301212** |
| | | | 24" | **LFX6301224** |
| | | | 36" | **LFX6301236** |
| | | 18" | 12" | **LFX6301812** |
| | | | 24" | **LFX6301824** |
| | | | 36" | **LFX6301836** |
| | | 24" | 12" | **LFX6302412** |
| | | | 24" | **LFX6302424** |
| | | | 36" | **LFX6302436** |
| | 36" | 6" | 12" | **LFX6360612** |
| | | | 24" | **LFX6360624** |
| | | | 36" | **LFX6360636** |
| | | 9" | 12" | **LFX6360912** |
| | | | 24" | **LFX6360924** |
| | | | 36" | **LFX6360936** |
| | | 12" | 12" | **LFX6361212** |
| | | | 24" | **LFX6361224** |
| | | | 36" | **LFX6361236** |
| | | 18" | 12" | **LFX6361812** |
| | | | 24" | **LFX6361824** |
| | | | 36" | **LFX6361836** |
| | | 24" | 12" | **LFX6362412** |
| | | | 24" | **LFX6362424** |
| | | | 36" | **LFX6362436** |
| | | 30" | 12" | **LFX6363012** |
| | | | 24" | **LFX6363024** |
| | | | 36" | **LFX6363036** |

*Included hardware is geomet-plated steel.



**HORIZONTAL REDUCING TEE**
**$W_1 > W_2$**



## Accessories for Aluminum Ladder - Dividers

### Features

- For use indoors, outdoors or in harsh environments
- Provided with self tapping screws



### Straight Divider

| Description | Rail Height | Catalog Number |
|---|---|---|
| 12' length | 4" | **LD412** |
| | 6" | **LD612** |



### Flexible Divider

| Description | Rail Height | Catalog Number |
|---|---|---|
| For use with horizontal fittings - 6' length | 4" | **LDF46** |
| | 6" | **LDF66** |



### Vertical Inside Divider

| Rail Height | Angle | Radius | Catalog |
|---|---|---|---|
| 4" | 30° | 12" | **LDVI30412** |
| | | 24" | **LDVI30424** |
| | | 36" | **LDVI30436** |
| | 45° | 12" | **LDVI45412** |
| | | 24" | **LDVI45424** |
| | | 36" | **LDVI45436** |
| | 60° | 12" | **LDVI60412** |
| | | 24" | **LDVI60424** |
| | | 36" | **LDVI60436** |
| | 90° | 12" | **LDVI90412** |
| | | 24" | **LDVI90424** |
| | | 36" | **LDVI90436** |
| 6" | 30° | 12" | **LDVI30612** |
| | | 24" | **LDVI30624** |
| | | 36" | **LDVI30636** |
| | 45° | 12" | **LDVI45612** |
| | | 24" | **LDVI45624** |
| | | 36" | **LDVI45636** |
| | 60° | 12" | **LDVI60612** |
| | | 24" | **LDVI60624** |
| | | 36" | **LDVI60636** |
| | 90° | 12" | **LDVI90612** |
| | | 24" | **LDVI90624** |
| | | 36" | **LDVI90636** |

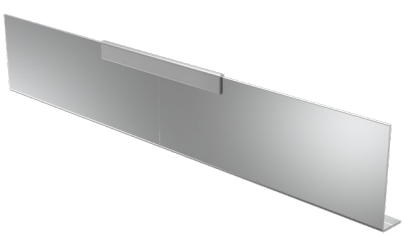


### Vertical Outside Divider

| Rail Height | Angle | Radius | Catalog |
|---|---|---|---|
| 4" | 30° | 12" | **LDVO30412** |
| | | 24" | **LDVO30424** |
| | | 36" | **LDVO30436** |
| | 45° | 12" | **LDVO45412** |
| | | 24" | **LDVO45424** |
| | | 36" | **LDVO45436** |
| | 60° | 12" | **LDVO60412** |
| | | 24" | **LDVO60424** |
| | | 36" | **LDVO60436** |
| | 90° | 12" | **LDVO90412** |
| | | 24" | **LDVO90424** |
| | | 36" | **LDVO90436** |
| 6" | 30° | 12" | **LDVO30612** |
| | | 24" | **LDVO30624** |
| | | 36" | **LDVO30636** |
| | 45° | 12" | **LDVO45612** |
| | | 24" | **LDVO45624** |
| | | 36" | **LDVO45636** |
| | 60° | 12" | **LDVO60612** |
| | | 24" | **LDVO60624** |
| | | 36" | **LDVO60636** |
| | 90° | 12" | **LDVO90612** |
| | | 24" | **LDVO90624** |
| | | 36" | **LDVO90636** |

### Divider Splice

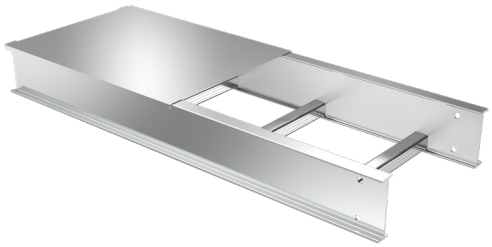
| Description | Catalog Number |
|---|---|
| 5" length | **LDS5** |



# Aluminum Ladder Tray

## Accessories for Aluminum Ladder - Covers For Flats, Horizontal Bends, and Vertrical Inside Fittings

- For use indoors, outdoors or in harsh environments
- Flanged Cover



### Flat Cover

| Width | Catalog |
|---|---|
| 6" | **LACF06** |
| 9" | **LACF09** |
| 12" | **LACF12** |
| 18" | **LACF18** |
| 24" | **LACF24** |
| 30" | **LACF30** |
| 36" | **LACF36** |

### Horizontal Elbow Cover

| Width | Radius | 30 Degree | 45 Degree | 60 Degree | 90 Degree |
|---|---|---|---|---|---|
| 6" | 12" | **LACHB300612** | **LACHB450612** | **LACHB600612** | **LACHB900612** |
| | 24" | **LACHB300624** | **LACHB450624** | **LACHB600624** | **LACHB900624** |
| | 36" | **LACHB300636** | **LACHB450636** | **LACHB600636** | **LACHB900636** |
| 9" | 12" | **LACHB300912** | **LACHB450912** | **LACHB600912** | **LACHB900912** |
| | 24" | **LACHB300924** | **LACHB450924** | **LACHB600924** | **LACHB900924** |
| | 36" | **LACHB300936** | **LACHB450936** | **LACHB600936** | **LACHB900936** |
| 12" | 12" | **LACHB301212** | **LACHB451212** | **LACHB601212** | **LACHB901212** |
| | 24" | **LACHB301224** | **LACHB451224** | **LACHB601224** | **LACHB901224** |
| | 36" | **LACHB301236** | **LACHB451236** | **LACHB601236** | **LACHB901236** |
| 18" | 12" | **LACHB301812** | **LACHB451812** | **LACHB601812** | **LACHB901812** |
| | 24" | **LACHB301824** | **LACHB451824** | **LACHB601824** | **LACHB901824** |
| | 36" | **LACHB301836** | **LACHB451836** | **LACHB601836** | **LACHB901836** |
| 24" | 12" | **LACHB302412** | **LACHB452412** | **LACHB602412** | **LACHB902412** |
| | 24" | **LACHB302424** | **LACHB452424** | **LACHB602424** | **LACHB902424** |
| | 36" | **LACHB302436** | **LACHB452436** | **LACHB602436** | **LACHB902436** |
| 30" | 12" | **LACHB303012** | **LACHB453012** | **LACHB603012** | **LACHB903012** |
| | 24" | **LACHB303024** | **LACHB453024** | **LACHB603024** | **LACHB903024** |
| | 36" | **LACHB303036** | **LACHB453036** | **LACHB603036** | **LACHB903036** |
| 36" | 12" | **LACHB303612** | **LACHB453612** | **LACHB603612** | **LACHB903612** |
| | 24" | **LACHB303624** | **LACHB453624** | **LACHB603624** | **LACHB903624** |
| | 36" | **LACHB303636** | **LACHB453636** | **LACHB603636** | **LACHB903636** |

### Vertical Inside Elbow Cover

| Width | Radius | 30 Degree | 45 Degree | 60 Degree | 90 Degree |
|---|---|---|---|---|---|
| 6" | 12" | **LACVI300612** | **LACVI450612** | **LACVI600612** | **LACVI900612** |
| | 24" | **LACVI300624** | **LACVI450624** | **LACVI600624** | **LACVI900624** |
| | 36" | **LACVI300636** | **LACVI450636** | **LACVI600636** | **LACVI900636** |
| 9" | 12" | **LACVI300912** | **LACVI450912** | **LACVI600912** | **LACVI900912** |
| | 24" | **LACVI300924** | **LACVI450924** | **LACVI600924** | **LACVI900924** |
| | 36" | **LACVI300936** | **LACVI450936** | **LACVI600936** | **LACVI900936** |
| 12" | 12" | **LACVI301212** | **LACVI451212** | **LACVI601212** | **LACVI901212** |
| | 24" | **LACVI301224** | **LACVI451224** | **LACVI601224** | **LACVI901224** |
| | 36" | **LACVI301236** | **LACVI451236** | **LACVI601236** | **LACVI901236** |
| 18" | 12" | **LACVI301812** | **LACVI451812** | **LACVI601812** | **LACVI901812** |
| | 24" | **LACVI301824** | **LACVI451824** | **LACVI601824** | **LACVI901824** |
| | 36" | **LACVI301836** | **LACVI451836** | **LACVI601836** | **LACVI901836** |
| 24" | 12" | **LACVI302412** | **LACVI452412** | **LACVI602412** | **LACVI902412** |
| | 24" | **LACVI302424** | **LACVI452424** | **LACVI602424** | **LACVI902424** |
| | 36" | **LACVI302436** | **LACVI452436** | **LACVI602436** | **LACVI902436** |
| 30" | 12" | **LACVI303012** | **LACVI453012** | **LACVI603012** | **LACVI903012** |
| | 24" | **LACVI303024** | **LACVI453024** | **LACVI603024** | **LACVI903024** |
| | 36" | **LACVI303036** | **LACVI453036** | **LACVI603036** | **LACVI903036** |
| 36" | 12" | **LACVI303612** | **LACVI453612** | **LACVI603612** | **LACVI903612** |
| | 24" | **LACVI303624** | **LACVI453624** | **LACVI603624** | **LACVI903624** |
| | 36" | **LACVI303636** | **LACVI453636** | **LACVI603636** | **LACVI903636** |

*See page U-32 for Cover Clips and Cover Clamps*

## Accessories for Aluminum Ladder - Covers For Vertical Outside Elbow Fttings

- For use indoors, outdoors or in harsh environments
- Flanged Cover

### Vertical Outside Elbow Cover

| Rail Height | Width 1 | Radius | 30 Degree | 45 Degree | 60 Degree | 90 Degree |
|---|---|---|---|---|---|---|
| 4" | 6" | 12" | **LACVO3040612** | **LACVO4540612** | **LACVO6040612** | **LACVO9040612** |
| | | 24" | **LACVO3040624** | **LACVO4540624** | **LACVO6040624** | **LACVO9040624** |
| | | 36" | **LACVO3040636** | **LACVO4540636** | **LACVO6040636** | **LACVO9040636** |
| | 9" | 12" | **LACVO3040912** | **LACVO4540912** | **LACVO6040912** | **LACVO9040912** |
| | | 24" | **LACVO3040924** | **LACVO4540924** | **LACVO6040924** | **LACVO9040924** |
| | | 36" | **LACVO3040936** | **LACVO4540936** | **LACVO6040936** | **LACVO9040936** |
| | 12" | 12" | **LACVO3041212** | **LACVO4541212** | **LACVO6041212** | **LACVO9041212** |
| | | 24" | **LACVO3041224** | **LACVO4541224** | **LACVO6041224** | **LACVO9041224** |
| | | 36" | **LACVO3041236** | **LACVO4541236** | **LACVO6041236** | **LACVO9041236** |
| | 18" | 12" | **LACVO3041812** | **LACVO4541812** | **LACVO6041812** | **LACVO9041812** |
| | | 24" | **LACVO3041824** | **LACVO4541824** | **LACVO6041824** | **LACVO9041824** |
| | | 36" | **LACVO3041836** | **LACVO4541836** | **LACVO6041836** | **LACVO9041836** |
| | 24" | 12" | **LACVO3042412** | **LACVO4542412** | **LACVO6042412** | **LACVO9042412** |
| | | 24" | **LACVO3042424** | **LACVO4542424** | **LACVO6042424** | **LACVO9042424** |
| | | 36" | **LACVO3042436** | **LACVO4542436** | **LACVO6042436** | **LACVO9042436** |
| | 30" | 12" | **LACVO3043012** | **LACVO4543012** | **LACVO6043012** | **LACVO9043012** |
| | | 24" | **LACVO3043024** | **LACVO4543024** | **LACVO6043024** | **LACVO9043024** |
| | | 36" | **LACVO3043036** | **LACVO4543036** | **LACVO6043036** | **LACVO9043036** |
| | 36" | 12" | **LACVO3043612** | **LACVO4543612** | **LACVO6043612** | **LACVO9043612** |
| | | 24" | **LACVO3043624** | **LACVO4543624** | **LACVO6043624** | **LACVO9043624** |
| | | 36" | **LACVO3043636** | **LACVO4543636** | **LACVO6043636** | **LACVO9043636** |
| 6" | 6" | 12" | **LACVO3060612** | **LACVO4560612** | **LACVO6060612** | **LACVO9060612** |
| | | 24" | **LACVO3060624** | **LACVO4560624** | **LACVO6060624** | **LACVO9060624** |
| | | 36" | **LACVO3060636** | **LACVO4560636** | **LACVO6060636** | **LACVO9060636** |
| | 9" | 12" | **LACVO3060912** | **LACVO4560912** | **LACVO6060912** | **LACVO9060912** |
| | | 24" | **LACVO3060924** | **LACVO4560924** | **LACVO6060924** | **LACVO9060924** |
| | | 36" | **LACVO3060936** | **LACVO4560936** | **LACVO6060936** | **LACVO9060936** |
| | 12" | 12" | **LACVO3061212** | **LACVO4561212** | **LACVO6061212** | **LACVO9061212** |
| | | 24" | **LACVO3061224** | **LACVO4561224** | **LACVO6061224** | **LACVO9061224** |
| | | 36" | **LACVO3061236** | **LACVO4561236** | **LACVO6061236** | **LACVO9061236** |
| | 18" | 12" | **LACVO3061812** | **LACVO4561812** | **LACVO6061812** | **LACVO9061812** |
| | | 24" | **LACVO3061824** | **LACVO4561824** | **LACVO6061824** | **LACVO9061824** |
| | | 36" | **LACVO3061836** | **LACVO4561836** | **LACVO6061836** | **LACVO9061836** |
| | 24" | 12" | **LACVO3062412** | **LACVO4562412** | **LACVO6062412** | **LACVO9062412** |
| | | 24" | **LACVO3062424** | **LACVO4562424** | **LACVO6062424** | **LACVO9062424** |
| | | 36" | **LACVO3062436** | **LACVO4562436** | **LACVO6062436** | **LACVO9062436** |
| | 30" | 12" | **LACVO3063012** | **LACVO4563012** | **LACVO6063012** | **LACVO9063012** |
| | | 24" | **LACVO3063024** | **LACVO4563024** | **LACVO6063024** | **LACVO9063024** |
| | | 36" | **LACVO3063036** | **LACVO4563036** | **LACVO6063036** | **LACVO9063036** |
| | 36" | 12" | **LACVO3063612** | **LACVO4563612** | **LACVO6063612** | **LACVO9063612** |
| | | 24" | **LACVO3063624** | **LACVO4563624** | **LACVO6063624** | **LACVO9063624** |
| | | 36" | **LACVO3063636** | **LACVO4563636** | **LACVO6063636** | **LACVO9063636** |

*See page U-32 for Cover Clips and Cover Clamps

## Accessories for Aluminum Ladder - Covers For Strandard Tee, Standard Cross, Reducing Cross and Joint Strips

- For use indoors, outdoors or in harsh environments
- Flanged Cover

### Standard Tee Cover

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 6" | 6" | 12" | **LACT060612** |
| | | 24" | **LACT060624** |
| | | 36" | **LACT060636** |
| 9" | 9" | 12" | **LACT090912** |
| | | 24" | **LACT090924** |
| | | 36" | **LACT090936** |
| 12" | 12" | 12" | **LACT121212** |
| | | 24" | **LACT121224** |
| | | 36" | **LACT121236** |
| 18" | 18" | 12" | **LACT181812** |
| | | 24" | **LACT181824** |
| | | 36" | **LACT181836** |
| 24" | 24" | 12" | **LACT242412** |
| | | 24" | **LACT242424** |
| | | 36" | **LACT242436** |
| 30" | 30" | 12" | **LACT303012** |
| | | 24" | **LACT303024** |
| | | 36" | **LACT303036** |
| 36" | 36" | 12" | **LACT363612** |
| | | 24" | **LACT363624** |
| | | 36" | **LACT363636** |

### Standard Cross Cover

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 6" | 6" | 12" | **LACX060612** |
| | | 24" | **LACX060624** |
| | | 36" | **LACX060636** |
| 9" | 9" | 12" | **LACX090912** |
| | | 24" | **LACX090924** |
| | | 36" | **LACX090936** |
| 12" | 12" | 12" | **LACX121212** |
| | | 24" | **LACX121224** |
| | | 36" | **LACX121236** |
| 18" | 18" | 12" | **LACX181812** |
| | | 24" | **LACX181824** |
| | | 36" | **LACX181836** |
| 24" | 24" | 12" | **LACX242412** |
| | | 24" | **LACX242424** |
| | | 36" | **LACX242436** |
| 30" | 30" | 12" | **LACX303012** |
| | | 24" | **LACX303024** |
| | | 36" | **LACX303036** |
| 36" | 36" | 12" | **LACX363612** |
| | | 24" | **LACX363624** |
| | | 36" | **LACX363636** |

### Cover Joint Strip

| Width | Catalog |
|---|---|
| 6" | **LACJ06** |
| 9" | **LACJ09** |
| 12" | **LACJ12** |
| 18" | **LACJ18** |
| 24" | **LACJ24** |
| 30" | **LACJ30** |
| 36" | **LACJ36** |

### Reducing Cross Cover

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 6" | 6" | 12" | **LACX090612** |
| | | 24" | **LACX090624** |
| | | 36" | **LACX090636** |
| 12" | 6" | 12" | **LACX120612** |
| | | 24" | **LACX120624** |
| | | 36" | **LACX120636** |
| | 9" | 12" | **LACX120912** |
| | | 24" | **LACX120924** |
| | | 36" | **LACX120936** |
| 18" | 6" | 12" | **LACX180612** |
| | | 24" | **LACX180624** |
| | | 36" | **LACX180636** |
| | 9" | 12" | **LACX180912** |
| | | 24" | **LACX180924** |
| | | 36" | **LACX180936** |
| | 12" | 12" | **LACX181212** |
| | | 24" | **LACX181224** |
| | | 36" | **LACX181236** |
| 24" | 6" | 12" | **LACX240612** |
| | | 24" | **LACX240624** |
| | | 36" | **LACX240636** |
| | 9" | 12" | **LACX240912** |
| | | 24" | **LACX240924** |
| | | 36" | **LACX240936** |
| | 12" | 12" | **LACX241212** |
| | | 24" | **LACX241224** |
| | | 36" | **LACX241236** |
| | 18" | 12" | **LACX241812** |
| | | 24" | **LACX241824** |
| | | 36" | **LACX241836** |

### Reducing Cross Cover

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 30" | 6" | 12" | **LACX300612** |
| | | 24" | **LACX300624** |
| | | 36" | **LACX300636** |
| | 9" | 12" | **LACX300912** |
| | | 24" | **LACX300924** |
| | | 36" | **LACX300936** |
| | 12" | 12" | **LACX301212** |
| | | 24" | **LACX301224** |
| | | 36" | **LACX301236** |
| | 18" | 12" | **LACX301812** |
| | | 24" | **LACX301824** |
| | | 36" | **LACX301836** |
| | 24" | 12" | **LACX302412** |
| | | 24" | **LACX302424** |
| | | 36" | **LACX302436** |
| 36" | 6" | 12" | **LACX360612** |
| | | 24" | **LACX360624** |
| | | 36" | **LACX360636** |
| | 9" | 12" | **LACX360912** |
| | | 24" | **LACX360924** |
| | | 36" | **LACX360936** |
| | 12" | 12" | **LACX361212** |
| | | 24" | **LACX361224** |
| | | 36" | **LACX361236** |
| | 18" | 12" | **LACX361812** |
| | | 24" | **LACX361824** |
| | | 36" | **LACX361836** |
| | 24" | 12" | **LACX362412** |
| | | 24" | **LACX362424** |
| | | 36" | **LACX362436** |
| | 30" | 12" | **LACX363012** |
| | | 24" | **LACX363024** |
| | | 36" | **LACX363036** |

*See page U-32 for Cover Clips and Cover Clamps*

## Accessories for Aluminum Ladder - Covers For Reducing Tee, Expanding Tee

- For use indoors, outdoors or in harsh environments
- Flanged Cover

### Reducing Tee Cover

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 6" | 6" | 12" | **LACT090612** |
| | | 24" | **LACT090624** |
| | | 36" | **LACT090636** |
| 12" | 6" | 12" | **LACT120612** |
| | | 24" | **LACT120624** |
| | | 36" | **LACT120636** |
| | 9" | 12" | **LACT120912** |
| | | 24" | **LACT120924** |
| | | 36" | **LACT120936** |
| 18" | 6" | 12" | **LACT180612** |
| | | 24" | **LACT180624** |
| | | 36" | **LACT180636** |
| | 9" | 12" | **LACT180912** |
| | | 24" | **LACT180924** |
| | | 36" | **LACT180936** |
| | 12" | 12" | **LACT181212** |
| | | 24" | **LACT181224** |
| | | 36" | **LACT181236** |
| 24" | 6" | 12" | **LACT240612** |
| | | 24" | **LACT240624** |
| | | 36" | **LACT240636** |
| | 9" | 12" | **LACT240912** |
| | | 24" | **LACT240924** |
| | | 36" | **LACT240936** |

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 24" | 12" | 12" | **LACT241212** |
| | | 24" | **LACT241224** |
| | | 36" | **LACT241236** |
| | 18" | 12" | **LACT241812** |
| | | 24" | **LACT241824** |
| | | 36" | **LACT241836** |
| 30" | 6" | 12" | **LACT300612** |
| | | 24" | **LACT300624** |
| | | 36" | **LACT300636** |
| | 9" | 12" | **LACT300912** |
| | | 24" | **LACT300924** |
| | | 36" | **LACT300936** |
| | 12" | 12" | **LACT301212** |
| | | 24" | **LACT301224** |
| | | 36" | **LACT301236** |
| | 18" | 12" | **LACT301812** |
| | | 24" | **LACT301824** |
| | | 36" | **LACT301836** |
| | 24" | 12" | **LACT302412** |
| | | 24" | **LACT302424** |
| | | 36" | **LACT302436** |

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 36" | 18" | 12" | **LACT360612** |
| | | 24" | **LACT360624** |
| | | 36" | **LACT360636** |
| | 6" | 12" | **LACT360912** |
| | | 24" | **LACT360924** |
| | | 36" | **LACT360936** |
| | 9" | 12" | **LACT361212** |
| | | 24" | **LACT361224** |
| | | 36" | **LACT361236** |
| | 12" | 12" | **LACT361812** |
| | | 24" | **LACT361824** |
| | | 36" | **LACT361836** |
| | 18" | 12" | **LACT362412** |
| | | 24" | **LACT362424** |
| | | 36" | **LACT362436** |
| | 24" | 12" | **LACT363012** |
| | | 24" | **LACT363024** |
| | | 36" | **LACT363036** |

### Expanding Tee Cover

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 6" | 6" | 12" | **LACT090612** |
| | | 24" | **LACT090624** |
| | | 36" | **LACT090636** |
| 12" | 6" | 12" | **LACT120612** |
| | | 24" | **LACT120624** |
| | | 36" | **LACT120636** |
| | 9" | 12" | **LACT120912** |
| | | 24" | **LACT120924** |
| | | 36" | **LACT120936** |
| 18" | 6" | 12" | **LACT180612** |
| | | 24" | **LACT180624** |
| | | 36" | **LACT180636** |
| | 9" | 12" | **LACT180912** |
| | | 24" | **LACT180924** |
| | | 36" | **LACT180936** |
| | 12" | 12" | **LACT181212** |
| | | 24" | **LACT181224** |
| | | 36" | **LACT181236** |
| 24" | 6" | 12" | **LACT240612** |
| | | 24" | **LACT240624** |
| | | 36" | **LACT240636** |
| | 9" | 12" | **LACT240912** |
| | | 24" | **LACT240924** |
| | | 36" | **LACT240936** |

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 24" | 12" | 12" | **LACT241212** |
| | | 24" | **LACT241224** |
| | | 36" | **LACT241236** |
| | 18" | 12" | **LACT241812** |
| | | 24" | **LACT241824** |
| | | 36" | **LACT241836** |
| 30" | 6" | 12" | **LACT300612** |
| | | 24" | **LACT300624** |
| | | 36" | **LACT300636** |
| | 9" | 12" | **LACT300912** |
| | | 24" | **LACT300924** |
| | | 36" | **LACT300936** |
| | 12" | 12" | **LACT301212** |
| | | 24" | **LACT301224** |
| | | 36" | **LACT301236** |
| | 18" | 12" | **LACT301812** |
| | | 24" | **LACT301824** |
| | | 36" | **LACT301836** |
| | 24" | 12" | **LACT302412** |
| | | 24" | **LACT302424** |
| | | 36" | **LACT302436** |

| Width 1 | Width 2 | Radius | Catalog |
|---|---|---|---|
| 36" | 18" | 12" | **LACT360612** |
| | | 24" | **LACT360624** |
| | | 36" | **LACT360636** |
| | 6" | 12" | **LACT360912** |
| | | 24" | **LACT360924** |
| | | 36" | **LACT360936** |
| | 9" | 12" | **LACT361212** |
| | | 24" | **LACT361224** |
| | | 36" | **LACT361236** |
| | 12" | 12" | **LACT361812** |
| | | 24" | **LACT361824** |
| | | 36" | **LACT361836** |
| | 18" | 12" | **LACT362412** |
| | | 24" | **LACT362424** |
| | | 36" | **LACT362436** |
| | 24" | 12" | **LACT363012** |
| | | 24" | **LACT363024** |
| | | 36" | **LACT363036** |

*See page U-32 for Cover Clips and Cover Clamps

# Aluminum Ladder Tray

## Accessories for Aluminum Ladder - Covers For Reducers, Cover Clips and Cover Clamps

- For use indoors, outdoors or in harsh environments
- Flanged Cover

### Reducer Cover

| Width 1 | Width 2 | Center | Left | Right |
|---|---|---|---|---|
| 9" | 6" | **LACRC0906** | **LACRL0906** | **LACRR0906** |
| 12" | 6" | **LACRC1206** | **LACRL1206** | **LACRR1206** |
| | 9" | **LACRC1209** | **LACRL1209** | **LACRR1209** |
| 18" | 6" | **LACRC1806** | **LACRL1806** | **LACRR1806** |
| | 9" | **LACRC1809** | **LACRL1809** | **LACRR1809** |
| | 12" | **LACRC1812** | **LACRL1812** | **LACRR1812** |
| 24" | 6" | **LACRC2406** | **LACRL2406** | **LACRR2406** |
| | 9" | **LACRC2409** | **LACRL2409** | **LACRR2409** |
| | 12" | **LACRC2412** | **LACRL2412** | **LACRR2412** |
| | 18" | **LACRC2418** | **LACRL2418** | **LACRR2418** |
| 30" | 6" | **LACRC3006** | **LACRL3006** | **LACRR3006** |
| | 9" | **LACRC3009** | **LACRL3009** | **LACRR3009** |
| | 12" | **LACRC3012** | **LACRL3012** | **LACRR3012** |
| | 18" | **LACRC3018** | **LACRL3018** | **LACRR3018** |
| | 24" | **LACRC3024** | **LACRL3024** | **LACRR3024** |
| 36" | 6" | **LACRC3606** | **LACRL3606** | **LACRR3606** |
| | 9" | **LACRC3609** | **LACRL3609** | **LACRR3609** |
| | 12" | **LACRC3612** | **LACRL3612** | **LACRR3612** |
| | 18" | **LACRC3618** | **LACRL3618** | **LACRR3618** |
| | 24" | **LACRC3624** | **LACRL3624** | **LACRR3624** |
| | 30" | **LACRC3630** | **LACRL3630** | **LACRR3630** |

### Cover Clip

| Description | Catalog Number |
|---|---|
| Stainless Steel. For use with horizontally mounted covers. | **LACL** |



### Cover Clamp

| Description | Width | Catalog Number |
|---|---|---|
| Aluminum with Stainless Steel hardware. Suitable for use with all flat covers. | 6" | **LACC0406** |
| | 9" | **LACC0409** |
| | 12" | **LACC0412** |
| | 18" | **LACC0418** |
| | 24" | **LACC0424** |
| | 30" | **LACC0430** |
| | 36" | **LACC0436** |
| | 6" | **LACC0606** |
| | 9" | **LACC0609** |
| | 12" | **LACC0612** |
| | 18" | **LACC0618** |
| | 24" | **LACC0624** |
| | 30" | **LACC0630** |
| | 36" | **LACC0636** |



| Number of Cover Fasteners Required | Cover Clip | Cover Clamp |
|---|---|---|
| Straight 12' section | 6 | 3 |
| Horizontal/Vertical Bends | 4 | 2 |
| Tees | 6 | 3 |
| Crosses | 8 | 4 |

# Aluminum Ladder Tray

## Accessories for Aluminum Ladder - Supports

- For use indoors, outdoors or in harsh environments
- Center Supports and Wall Brackets are Steel with a Hot Dip Galvanized finish
- Ceiling Supports are Steel with a Mill Galvanized Finish
- Support Hardware Kits are Steel with a Zinc Plated finish

### Center Support

| Tray Width | Actual Width | Catalog |
|---|---|---|
| 6" | 12" | **LSC06** |
| 9" | 15" | **LSC09** |
| 12" | 18" | **LSC12** |
| 18" | 24" | **LSC18** |
| 24" | 30" | **LSC24** |
| 30" | 36" | **LSC30** |
| 36" | 42" | **LSC36** |

### Hardware Kit for Center Support

| | Catalog |
|---|---|
| For 3/8" Threaded Rod | **LHT38** |
| For 1/2" Threaded Rod | **LHT12** |

Kits includes (2) hold down clamps; (2) bolts; (2) spring nuts; (1) washer; (2) nuts



### Ceiling Support

| Tray Width | Actual Width | Catalog |
|---|---|---|
| 6" | 18" | **LSE06** |
| 9" | 22" | **LSE09** |
| 12" | 24" | **LSE12** |
| 18" | 30" | **LSE18** |
| 24" | 36" | **LSE24** |

### Hardware Kit for Ceiling Support

| | Catalog |
|---|---|
| For 3/8" Threaded Rod | **LHC38** |
| For 1/2" Threaded Rod | **LHC12** |

Kit includes (2) hold down clamps; (2) bolts; (2) spring nuts; (4) washers; (4) nuts



### Wall Bracket

| Tray Width | Actual Width | Catalog |
|---|---|---|
| 6" | 12" | **LSW06** |
| 9" | 15" | **LSW09** |
| 12" | 18" | **LSW12** |
| 18" | 24" | **LSW18** |

### Hardware Kit for Wall Bracket

| | Catalog |
|---|---|
| Kit includes (2) hold down clamps (2) bolts; (2) spring nuts | **LHWB** |



### Heavy Duty Wall Bracket

| Tray Width | Actual Width | Catalog |
|---|---|---|
| 6" | 12" | **LSH06** |
| 9" | 15" | **LSH09** |
| 12" | 18" | **LSH12** |
| 18" | 24" | **LSH18** |
| 24" | 30" | **LSH24** |
| 30" | 36" | **LSH30** |
| 36" | 42" | **LSH42** |

### Hardware Kit for HD Wall Bracket

| | Catalog |
|---|---|
| Kit includes (2) hold down clamps (2) bolts; (2) spring nuts | **LHWB** |



### Hanger Support

| Rail Height | Horizontal Hanger | Vertical Hanger | Hanger Rod Clamp |
|---|---|---|---|
| 4" | **LSG4** | **LSV4** | **LHC4** |
| 6" | **LSG6** | **LSV6** | **LHC6** |







** The LSG and LSV hangers function as both a splice plate and a method of support*
** The LSG and LSV hangers are sold as a pair. The LHC hangers are sold individual.*

## Accessories for Aluminum Ladder - Accessories

### Splice Plates

| Description | Rail Height | Catalog Number |
|---|---|---|
| For joining sections | 4" | **LCN4** |
| | 6" | **LCN6** |



### Expansion Splice Plates

| Description | Rail Height | Catalog Number |
|---|---|---|
| When required. Bonding jumper required | 4" | **LCE4** |
| | 6" | **LCE6** |



### Step-Down Splice Plate

| Description | Catalog Number |
|---|---|
| Transition from 6" to 4" Rail Height | **LCR64** |



### Vertrical Adjustment Splice Plates

| Description | Rail Height | Catalog Number |
|---|---|---|
| For changes in vertrical direction not requiring a radius | 4" | **LCV4A** |
| | 6" | **LCV6A** |



### Horizontal Adjustment Splice Plates

| Description | Rail Height | Catalog Number |
|---|---|---|
| For changes in horizontal direction not requiring a radius | 4" | **LCH4** |
| | 6" | **LCH6** |



### Blank End Plate

To close off end of tray

| Rail Height | Width | Catalog |
|---|---|---|
| 4" | 6" | **LBP406** |
| | 9" | **LBP409** |
| | 12" | **LBP412** |
| | 18" | **LBP418** |
| | 24" | **LBP424** |
| | 30" | **LBP430** |
| | 36" | **LBP436** |
| 6" | 6" | **LBP606** |
| | 9" | **LBP609** |
| | 12" | **LBP612** |
| | 18" | **LBP618** |
| | 24" | **LBP624** |
| | 30" | **LBP630** |
| | 36" | **LBP636** |



### Box Connector

For attaching tray end to an enclosure

| Rail Height | Width | Catalog |
|---|---|---|
| 4" | 6" | **LBC406** |
| | 9" | **LBC409** |
| | 12" | **LBC412** |
| | 18" | **LBC418** |
| | 24" | **LBC424** |
| | 30" | **LBC430** |
| | 36" | **LBC436** |
| 6" | 6" | **LBC606** |
| | 9" | **LBC609** |
| | 12" | **LBC612** |
| | 18" | **LBC618** |
| | 24" | **LBC624** |
| | 30" | **LBC630** |
| | 36" | **LBC636** |

### Cable Drop Out

Provides a radius for cables to exit through bottom of the tray

| Width | Catalog |
|---|---|
| 6" | **LBP406** |
| 9" | **LBP409** |
| 12" | **LBP412** |
| 18" | **LBP418** |
| 24" | **LBP424** |
| 30" | **LBP430** |
| 36" | **LBP436** |



### Wall Sleeve

Used for wall penetrations*

| Rail Height | Width | Catalog |
|---|---|---|
| 4" | 6" | **LWS406** |
| | 9" | **LWS409** |
| | 12" | **LWS412** |
| | 18" | **LWS418** |
| | 24" | **LWS424** |
| | 30" | **LWS430** |
| | 36" | **LWS436** |
| 6" | 6" | **LWS606** |
| | 9" | **LWS609** |
| | 12" | **LWS612** |
| | 18" | **LWS618** |
| | 24" | **LWS624** |
| | 30" | **LWS630** |
| | 36" | **LWS636** |

*Not fire rated*



### Hold Down Clamp

| Description | Catalog Number |
|---|---|
| Functions as both a hold down clamp and expansion guide. | **LHDC** |



### Bonding Jumper

Required with Expansion Connectors

| Description | Catalog Number |
|---|---|
| #1 AWG, 600A rated | **LGJ16** |
| 16" total length. Eyes are 15" on center | |



### Ground Wire Clamp

| Description | Catalog Number |
|---|---|
| No drilling required. Accepts #6 thru 2/0 | **LGWAL** |



## Span/ Load Class Designations

Commonly called the Load Class, this defines the load-carrying capability of the tray for a specific support span distance. The design and cost of the cable tray is greatly affected by this designation. In order to determine the most appropriate and economical system, a class should be selected that reflects the actual total working load and support span for each application.

## Concentrated Static Loads:

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between the tray supports, which is the worst-case location.

To incorporate this in the tray design the following formula can be used to convert the concentrated static load in pounds to an equivalent uniform load (W ) in pounds per foot. That equivalent load can then be combined with the weight of cables, tray contents, and other loads that are also expressed in lbs/ft to determine the total Working Load.

$$W_e = \frac{2 \times (\text{Concentrated static load, lbs})}{\text{support span lenth, ft}}$$

Note: This calculation is based on the load being applied at the center of the tray in the middle of a rung or bottom. If the specification requires the concentrated static load to be applied on top of one side rail, then the equivalent uniform load will be 2 times the result of this calculation.

Example: A cable tray is to be supported on 20' spans. It shall contain 50 lbs/ft of cables and support 15 lbs/ft of snow load. It is also required to support a 250 pound concentrated static load applied in the center of the tray width.

Using the calculation above, the concentrated static load is converted to an equivalent uniform load as follows: 2 x 250 lbs / 20 ft = 25 lbs/ft

The Total Working Load will be the combination of all 3 loads, expressed in lbs/ft:

| | |
|---|---|
| Cables | 40 lbs |
| Snow | + 15 lbs/ft |
| Concentrated Load | +25 lbs/ft |
| Total Working Load: 80lbs/ft | |

Refer to the chart on the right. With a support span of 20' and a total working load of 80 lbs/ft, a NEMA Class 20B tray rated at 75 lbs/ft will not be adequate. A NEMA Class 20C tray, rated at 100 lbs/ft, will be required.

## Span/Load Class Designations Per NEMA Standard VE1/CSA C22.2 No.126

| Working Load LBS/FT (Kg/M) | Support Span, Feet (Meters) | | | | | |
|---|---|---|---|---|---|---|
| | 5 Ft (1.5 M) | 8 Ft (2.4 M) | 10 Ft (3.0 M) | 12 Ft (3.6 M) | 16 Ft (4.9 M) | 20 Ft (6.0 M) |
| 25 (37) | 5AA | 8AA | 10AA | 12AA | | 20AA |
| 45 (67) | | | | | | D |
| 50 (74) | 5A | 8A | | 12A | 16A | 20A |
| 65 (97) | | | C | | | |
| 75 (112) | | 8B | | 12B | 16B | E* or 20B |
| 100 (149) | | 8C | | 12C | 16C | 20C |
| 120 (179) | | | D | | | |
| 200 (299) | | | E | | | |

** CSA Classes D and E are applicable to both 3.0 and 6.0 meter support spans. The appropriate support span should also be included when specifying these classes (example: D-3M).*

### Working Load

The total load supported by the cable tray, uniformly distributed. This will be the combined weight of all of the cables or tray contents, any environmental loads (snow, ice, dust) and any concentrated static loads.

### Support Span

The maximum distance between the tray supports.

### NEMA Load Classes

A number (support span in feet) combined with a letter (load capacity:A=50, B=75 and C=100 Lbs/Ft). Defined in the National Electrical ManufacturersAssoc. NEMAStandard VE1.

### CSA Load Classes

A single letter (A,B,C,D,E) designates the support span and load capacity per Canadian Standards Association CSAStandard C22.2, No. 126.

**Material:** All fittings are aluminum with arc-welded construction.

**Side Rails:** Fitting side rails are I-beams with overall dimensions similar to straight tray sections.

**Rungs and Bottoms:** Rung and Bottom designs are identical to similar straight cable tray sections.

**Tangents:** All fittings have 3" tangents (flats) at the end of all curved side rails to accommodate splice plate connectors.

**Radius:** Standard NEMA VE1 12", 24" and 36" available for all curved fittings.

**Square Corners:** 90 Degree Horizontal Elbows, Horizontal Tees and Horizontal Crosses are available with square corners (0" Radius). The 6" through 18" square-corner fittings are designed to align with the centerline of 24" square panels of raised-floor systems

**Splice Plates:** All elbows are supplied with one pair of standard splice plates with hardware at no charge. Wye fittings and tees include 2 pairs and crosses include 3 pairs with hardware at no charge.

CLASSIFIED C UL US

All Hubbell aluminum cable trays are classified by Underwriters Laboratories as suitable for use as equipment grounding conductors per NEC 392 and are certified by UL to meet all requirements of CSA Std. C22.2 No. 126. All NEMA and CSA safe load data is based on destruction load tests that were witnessed and certified to be accurate by Underwriters Laboratories.

# Steel Ladder Rack

Hubbell's NEXTFRAME® Ladder Rack is the effective and widely used cable runway that supports and delivers bundles of cable between cabinets, racks, and closets, along walls, and suspended from ceilings.

The Ladder Rack features light, rugged, tubular steel construction. It is designed for mechanical support and strain relief in long runs of cable and creates a smooth gradual bend for cable. Rail and stringer material is 16 ga steel tubing.

The NEXTFRAME® Ladder Rack is available in popular gray and black finishes to complement equipment in any data center. The complete NEXTFRAME® Ladder Rack system features a broad line of sizes and fittings required for proper installation.



## Features

- Supports horizontal/vertical and overhead cable management
- Durable black or gray powder coat finish
- Supports UTP or fiber cabling
- Complete family of accessories includes: wall supports and brackets, cable drops, retaining posts, splice kits, and ceiling mounting kits

## Specifications

- Material: 16 ga. tubular steel
- Durable powder coat
- Stringer dimensions: 0.375"W x 1.5"H
- Rung spacing: 9.0"
- Weight capacity: 45 lbs./foot

## Applications

Use in data centers, the equipment room, and telecommunications room to provide racking, cable management, and grounding for network hardware.

Modular System: Easily Configured for New and Existing Cable Routing.
Mounts to: Floors, Walls, Ceilings, Equipment Racks, and Cabinets.
Tip: Secure Ladder to Cabinet Tops Using J-bolt Kit and Drilling Holes as Required.






## Straight Sections

| Width Inches (mm) | 6' (1829) Length | | 10' (3048) Length | |
|---|---|---|---|---|
| | Gray | Black | Gray | Black |
| 6" (152) | **HLS0606G** | **HLS0606B** | **HLS1006G** | **HLS1006B** |
| 12" (305) | **HLS0612G** | **HLS0612B** | **HLS1012G** | **HLS1012B** |
| 18" (457) | **HLS0618G** | **HLS0618B** | **HLS1018G** | **HLS1018B** |
| 24" (610) | **HLS0624G** | **HLS0624B** | **HLS1024G** | **HLS1024B** |

*Note: Width = outside to outside dimensions.*

## 90° Turns

| Width Inches (mm) | Inside Radius 90° | | Outside Radius 90° | |
|---|---|---|---|---|
| | Gray | Black | Gray | Black |
| 6" (152) | **HLI0690G** | **HLI0690B** | **HLO0690G** | **HLO0690B** |
| 12" (305) | **HLI1290G** | **HLI1290B** | **HLO1290G** | **HLO1290B** |
| 18" (457) | **HLI1890G** | **HLI1890B** | **HLO1890G** | **HLO1890B** |
| 24" (610) | **HLI2490G** | **HLI2490B** | **HLO2490G** | **HLO2490B** |

| Width Inches (mm) | Flat Turns 90° | | Corner Support Bracket Internal Radius 90°, 8.25" (210) Width | |
|---|---|---|---|---|
| | Gray | Black | Gray | Black |
| 6" (152) | **HLF0690G** | **HLF0690B** | | |
| 12" (305) | **HLF1290G** | **HLF1290B** | **HLCG** | **HLCB** |
| 18" (457) | **HLF1890G** | **HLF1890B** | | |
| 24" (610) | **HLF2490G** | **HLF2490B** | | |

## Jumper Kit

| Type | Contents | Material | Catalog No. |
|---|---|---|---|
| Ladder Tray | Includes: (1) 9" #6 conductor with long barrel lugs crimped on both ends, stainless steel hardware, labeled, antioxidant | Copper | **HGRKTD9D** |

# Steel Ladder Rack

## Splice Kits



| Butt Splice Kit | Swivel Splice Kit | T-Junction Splice Kit |
|---|---|---|
| **HLBSK** | **HLSSK** | **HLTK** |

## Wall Angle Supports

| Width Inches (mm) | Gray | Black |
|---|---|---|
| 6-12" (152-305) | **HLX0612G** | **HLX0612** |
| 18" (457) | **HLX1518G** | **HLX1518** |
| 24" (610) | **HLX24G** | **HLX24** |



## Ceiling Mounting Kit

| Description | Black |
|---|---|
| Ceiling mounting kit with two 6' x 0.625Ø threaded rods | **HLCMK** |
| Brackets only | **HLCF** |



## Wall/Rack Mounting Kit

| Description | Black |
|---|---|
| Includes (1) HLMPK19, (1) HLX0612, (1) 40"L x 12"W ladder section | **HLWRK** |



## Vertical Wall Bracket

| Description | Black |
|---|---|
| 2 clips | **HLVWBK** |



## Protective End Caps

| Description | Black |
|---|---|
| 2-pack | **HLECPK2** |



## J-Bolt Kit

| Description | Catalog Number |
|---|---|
| 2-pack, galvanized | **HLJB** |



## Ladder Standoff Support

| Description | Gray | Black |
|---|---|---|
| 14" vertical support | **HLH14G** | **HLH14B** |



## Foot Kit

| Description | Black |
|---|---|
| 2-pack with splices | **HLRF** |



## Mounting Kit to Relay Rack

| Description | Black |
|---|---|
| 3" rack | **HLMPK19** |
| 6" rack | **HLMPK19D** |



## Triangle Wall Supports

| Width Inches (mm) | Gray | Black |
|---|---|---|
| 6" (152) | **HLTSB06G** | **HLTSB06B** |
| 12" (305) | **HLTSB12G** | **HLTSB12B** |
| 18" (457) | **HLTSB18G** | **HLTSB18B** |
| 24" (610) | **HLTSB24G** | **HLTSB24B** |



## Cable Radius Drop

| Ladder Width Inches (mm) | Actual Width Inches (mm) | Black |
|---|---|---|
| 6" (152) | 4.5" (114) | **HLCD06*** |
| 12" (305) | 10.75" (273) | **HLCD12** |
| 18" (457) | 16.75" (425) | **HLCD18** |
| Stringer | 7.5" (191) | **HLCDS** |

**Can also be mounted on stringer*



## Cable Retaining Fence Posts

| Nominal Height Inches (mm) | Gray | Black |
|---|---|---|
| 6" (152) | **HLP06G** | **HLP06B** |
| 8" (203) | **HLP08G** | **HLP08B** |
| 10" (254) | **HLP10G** | **HLP10B** |



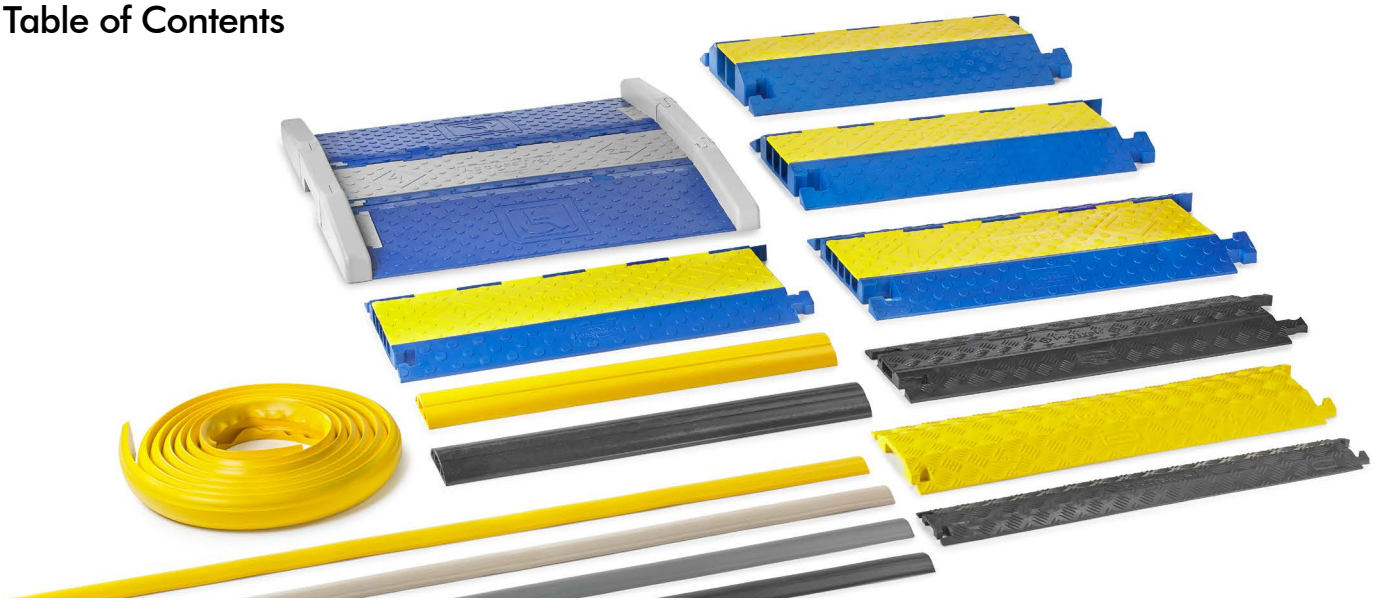
## Elevation Kit

| Height Inches (mm) | Black |
|---|---|
| 2–3" (51–76) | **HLEK23** |
| 4–6" (102–152) | **HLEK46** |

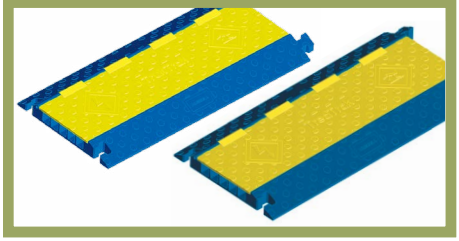


# SECTION V

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TrukTrak® and TredTrak® Systems



AccessTrak® Systems

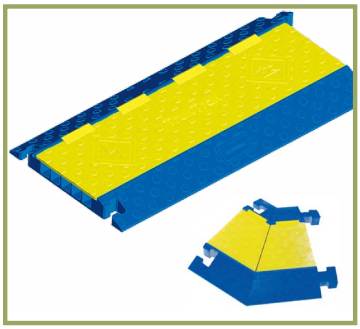


ProTrak™ Systems



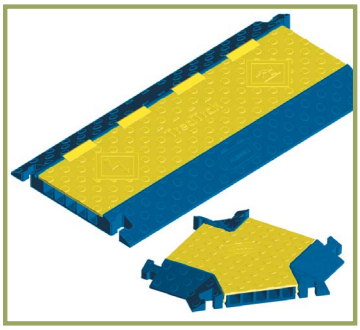

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| Features and Benefits | V-3 |
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| TredTrak® Systems | V-5 |
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## Products at a Glance



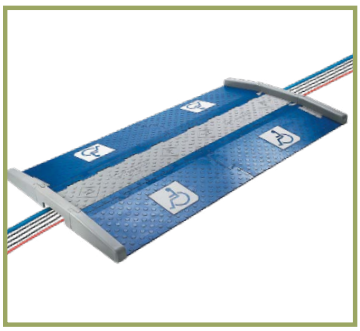
### TrukTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



### TredTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



### AccessTrak® Systems

- This interlocking system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance
- High density polyurethane construction is weather resistant
- AccessTrak is an expandable five channel system that expands by length or width
- High visibility safety symbols on blue and gray colors



### ProTrak™ Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety yellow and black
- Anti-slip pad kits available



### FloorTrak® Floor Cable Cover

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)

## Features and Benefits



**Hubbell TrukTrak®** non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak interlocking system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts.



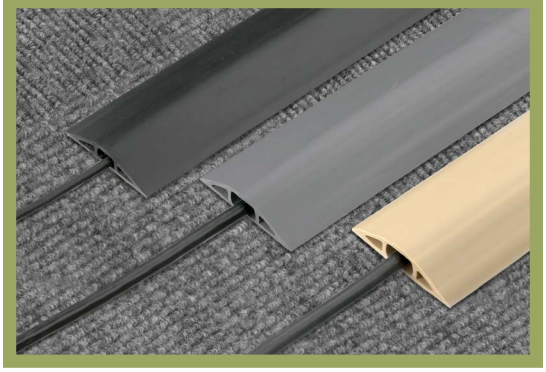

**TredTrak®** non-metallic cable protectors can also be interlocked to protect cables and cords of any length. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.



**The AccessTrak® ramping system** is a modular cable protection product that enables users to be ADAAG (American Disabilities Act Accessibility Guidelines) compliant and limits the exposure of cables and hoses to people and light vehicles passing over those cables and hoses. AccessTrak is an expandable five channel system that will protect cable and hose diameters up to 1.31 inches (33.0mm). For applications requiring more than five channels, AccessTrak can be expanded by width. In addition, AccessTrak is interlocking expandable by length to protect cables and hoses of any length. The AccessTrak ramping system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance.



**ProTrak**™ non-metallic single channel cable protectors are suitable for lightweight vehicle and pedestrian traffic. Available in both black and yellow. The drop over PROTRK115 series can accommodate up to 0.75 inches (19.0mm), while the PROTRK140 can handle up to 1.50 inches (38.1mm). The hinged covered PROTRK1225 series can accommodate up to 0.75 inches (19.0mm). A unique tread surface provides maximum traction. ProTrak™ cable protectors can be interlocked as a single color run or as a yellow and black run.



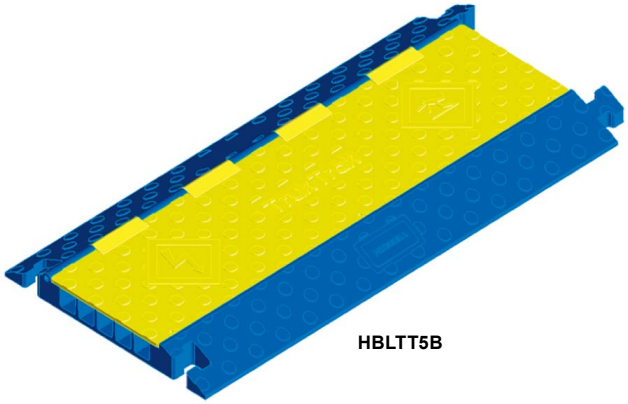
**FloorTrak®** is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

*NEC® is a registered trademark of the The National Electrical Code.*

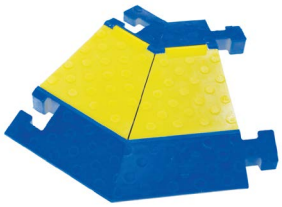
## TrukTrak® Systems

Ideal for Heavy Vehicle Traffic in Industrial, Commercial or Public Applications

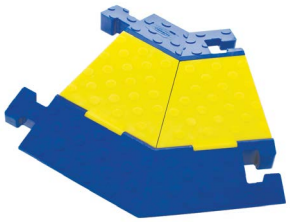
- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



HBLTT5B



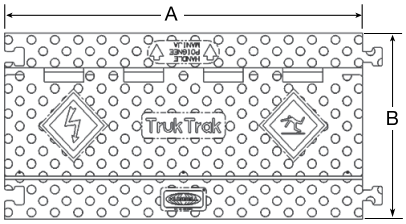
HBLTT545LB



HBLTT545RB

| TrukTrak® Systems | A | B | C | D | E | | |
|---|---|---|---|---|---|---|---|
| | | Trak | | | Channel | | |
| Description | Length in. (mm) | Width in. (mm) | Height in. (mm) | Width in. (mm) | Height in. (mm) | Weight lbs. (kg) | Catalog Number |
| 5 Channel TrukTrak®, blue and yellow. | 36.0" (914) | 20" (508) | 2.31" (58.7) | 1.25" (31.8) | 1.25" (31.8) | 30.60 (13.9) | **HBLTT5B** |
| 5 Channel TrukTrak® end caps (pair only), yellow. | 7.50" (190)<br>5.25" (133) | 20" (508)<br>20" (508) | 2.31" (58.7)<br>2.31" (58.7) | 1.25" (31.8)<br>1.25" (31.8) | 1.25" (31.8)<br>1.25" (31.8) | 8.55 (3.9)<br>8.55 (3.9) | **HBLTT5ECB**<br>(Female end)<br>(Male end) |
| 5 Channel 45° right turn TrukTrak®, blue and yellow. | 25.0" (635) | 20" (508) | 2.31" (58.7) | 1.25" (31.8) | 1.25" (31.8) | 15.35 (7.0) | **HBLTT545RB** |
| 5 Channel 45° left turn TrukTrak®, blue and yellow. | 25.0" (635) | 20" (508) | 2.31" (58.7) | 1.25" (31.8) | 1.25" (31.8) | 14.45 (6.6) | **HBLTT545LB** |
| 3 Channel TrukTrak®, blue and yellow. | 36.0" (914) | 20" (508) | 3.05" (77.5) | 2.25" (57.2) | 2.25" (57.2) | 30.85 (14.0) | **HBLTT3B** |
| 3 Channel TrukTrak® end caps (pair only), yellow. | 8.25" (209)<br>6.38" (162) | 20" (508)<br>20" (508) | 3.05" (77.5)<br>3.05" (77.5) | 2.25" (57.2)<br>2.25" (57.2) | 2.25" (57.2)<br>2.25" (57.2) | 10.25 (4.6)<br>10.25 (4.6) | **HBLTT3ECB**<br>(Female end)<br>(Male end) |
| 2 Channel TrukTrak®, blue and yellow. | 36.0" (914) | 22" (559) | 4.13" (104.9) | 3.25" (82.6) | 3.25" (82.6) | 41.00 (18.6) | **HBLTT2B** |

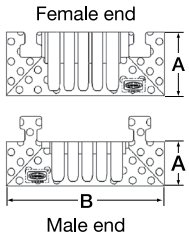
**TrukTrak (Top view)**



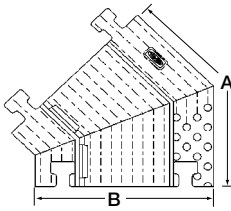

**TrukTrak (Side view)**



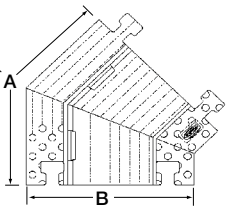

**End Caps**




**45° Left Turn**




**45° Right Turn**




## Specifications

| | |
|---|---|
| Material | Polyurethane. |
| Operating Temperature | -40°F to +120°F (-40°C to +49°C). |
| Hinge Material | Reinforced fiberglass. |
| Safety Symbols | Per ANSI Z535.3. |

## Load Capacity

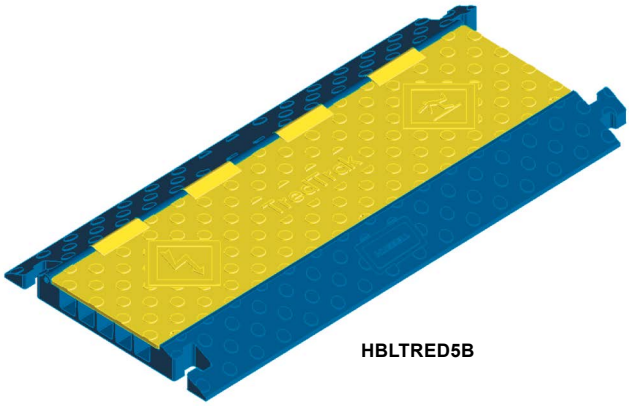
| No. of Channels | Test Fixture Footprint Inches (mm) | Tire Load lbs. +/- 20% | | Axle Load lbs. +/- 20% | |
|---|---|---|---|---|---|
| | | 70°F (21°C) | 120°F (49°C) | 70°F (21°C) | 120°F (49°C) |
| 5 | 6.9" x 17.3" (175 X 439) | 20,150 | 9,200 | 40,300 | 18,400 |
| 3 | 6.9" x 17.3" (175 X 439) | 14,210 | 4,653 | 28,420 | 9,306 |
| 2 | 6.9" x 17.3" (175 X 439) | 10,880 | 2,095 | 21,760 | 4,190 |

*Dimensions in Inches (mm)*

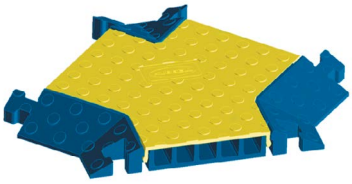
## TredTrak® Systems

Improves Pedestrian Safety by Decreasing Risk of Tripping

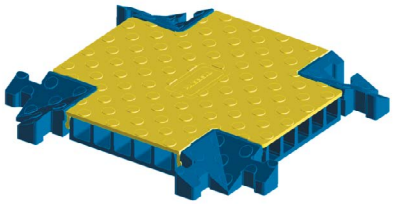
- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors




HBLTRED5B



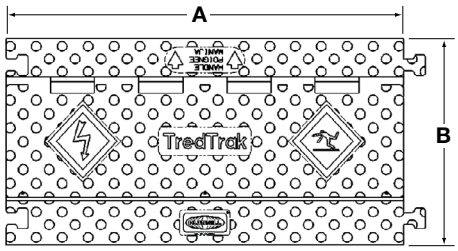
HBLTRED5YB



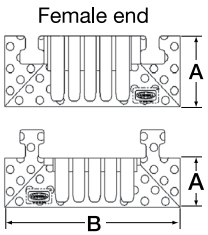
HBLTRED5XB

| TredTrak® Systems | A | B | C | D | E | | |
|---|---|---|---|---|---|---|---|
| | Trak | | | Channel | | | |
| Description | Length in. (mm) | Width in. (mm) | Height in. (mm) | Width in. (mm) | Height in. (mm) | Weight lbs. (kg) | Catalog Number |
| 5 Channel TredTrak®, blue and yellow. | 36.0" (914) | 17.5" (445) | 1.95" (50) | 1.30" (33) | 1.30" (33) | 21.15 (9.6) | **HBLTRED5B** |
| 5 Channel TredTrak® end caps (pair only), yellow. | 5.75" (146) | 17.5" (445) | 1.95" (50) | 1.30" (33) | 1.30" (33) | 6.40 (2.9) | **HBLTRED5ECB** (Female end) |
| | 5.75" (146) | 17.5" (445) | 1.95" (50) | 1.30" (33) | 1.30" (33) | 6.40 (2.9) | (Male end) |
| 5 Channel TredTrak® female end caps (2 females), yellow. | 5.75" (146) | 17.5" (445) | 1.95" (50) | 1.30" (33) | 1.30" (33) | 6.40 (2.9) | **HBLTRED5ECFB** |
| 5 Channel "X" fitting, blue and yellow. | 17.5" (445) | 17.5" (445) | 1.95" (50) | 1.30" (33) | 1.30" (33) | 14.25 (6.5) | **HBLTRED5XB** |
| 5 Channel "Y" fitting, blue and yellow. | 17.5" (445) | 17.5" (445) | 1.95" (50) | 1.30" (33) | 1.30" (33) | 13.95 (6.3) | **HBLTRED5YB** |

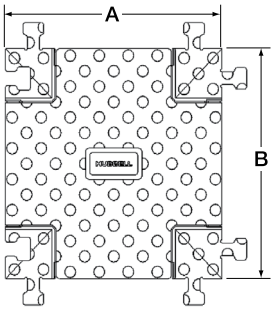
TredTrak (Top view)



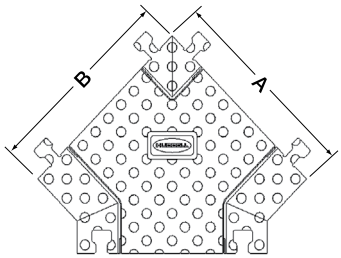

End Caps




"X" Fitting




"Y" Fitting




TredTrak (Side view)




## Specifications

| | |
|---|---|
| Material | Polyurethane. |
| Operating Temperature | -40°F to +120°F (-40°C to +49°C). |
| Hinge Material | Reinforced fiberglass. |
| Safety Symbols | Per ANSI Z535.3. |

## Load Capacity

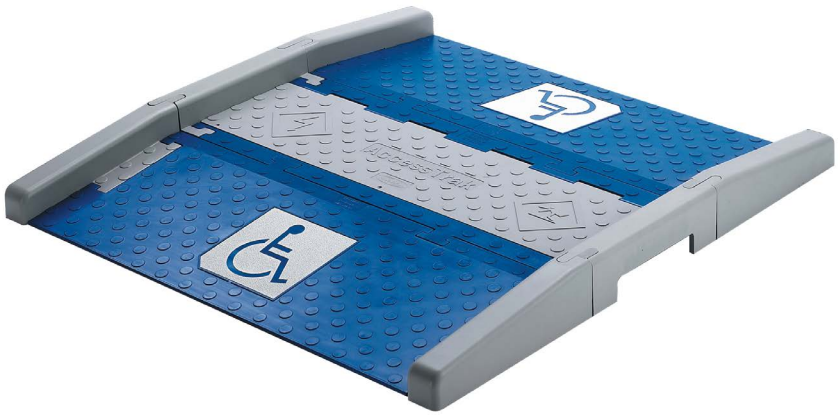
| Product | Test Fixture Footprint Inches (mm) | Tire Load lbs. +/- 20% | | Axle Load lbs. +/- 20% | |
|---|---|---|---|---|---|
| | | 70°F (21°C) | 120°F (49°C) | 70°F (21°C) | 120°F (49°C) |
| TredTrak | 6.9" x 17.3" (175 X 439) | 10,500 | 6,500 | 21,000 | 13,000 |
| "X" Fitting | 6.9" x 17.3" (175 X 439) | 2,900 | 2,300 | 5,800 | 5,600 |
| "Y" Fitting | 6.9" x 17.3" (175 X 439) | 2,900 | 2,300 | 5,800 | 5,600 |

*Dimensions in Inches (mm)*

## AccessTrak® Systems

ADA Compliant Limits Exposure of Cables and Hoses to Pedestrians

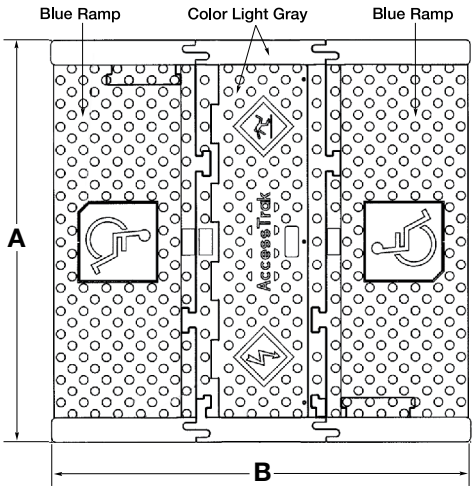
- This interlocking system provides a safe, flexible means of protecting cables and hoses in areas requiring ADA compliance
- High density polyurethane construction is weather resistant
- AccessTrak is an expandable five channel system that expands by length or width
- High visibility safety symbols on blue and gray colors



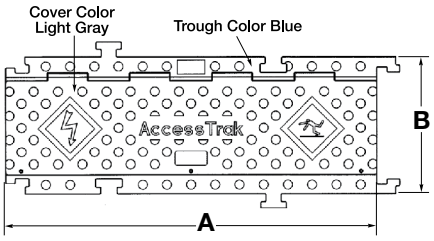
| AccessTrak® System | A | B | C | D | E | | |
|---|---|---|---|---|---|---|---|
| | Trak | | | Channel | | | |
| Description | Length in. (mm) | Width in. (mm) | Height in. (mm) | Width in. (mm) | Height in. (mm) | Weight lbs. (kg) | Catalog Number |
| 5 Channel AccessTrak® kit*, blue and gray. | 41.06" (1043.0) | 42.90" (1090.0) | 4.00" (102.0) | 1.34" (34.0) | 1.31" (33.0) | 73.65 (33.41) | **HBLAT5KITA** |

*Note: *Consists of (1) trough; (1) trough end rails; (1) ramps; (2 sets) ramp end rails.*

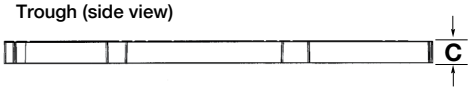
**Assembled Kit**
**Accessibility label, blue symbol, white background**



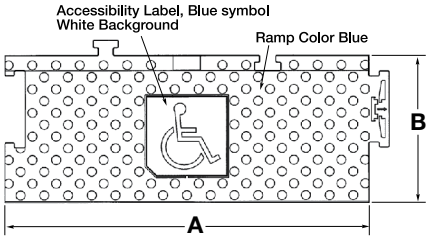

**Trough (top view)**



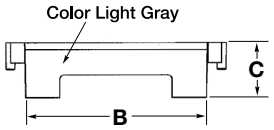

**Trough (side view)**



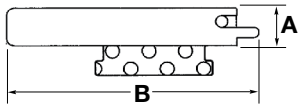

**Ramp (top view)**



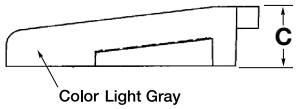

**Trough End Rails (side view)**



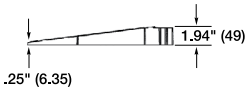

**Ramp End Rails (top view)**




**Ramp End Rails (side view)**




**Ramp (side view)**




## Specifications

| | |
|---|---|
| Material | Polyurethane. |
| Operating Temperature | -40°F to +120°F (-40°C to +49°C). |
| Hinge Material | Reinforced fiberglass. |
| Safety Symbols<br>ADA Symbols | Per ANSI Z535.3-1991.<br>Per ADAAG "Symbols of Accessibility" |

## Load Capacity

| Product | Test Fixture Footprint Inches (mm) | Measured Load lbs. (N) +/- 20% | |
|---|---|---|---|
| | | 70°F (21°C) | 120°F (49°C) |
| AccessTrak | 7" x 7" (178 x 178) | 10,000 (44,480) | 8,000 (35,584) |

*Dimensions in Inches (mm)*

## ProTrak™ Systems

For Pedestrian and Light Vehicle Traffic

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety yellow and black
- Anti-slip pad kits available



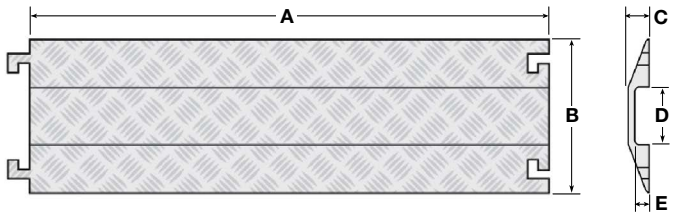
PROTRK115Y

PROTRK140BK

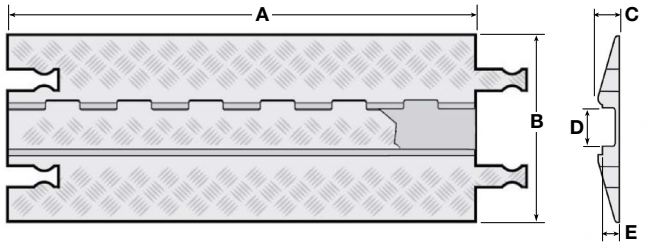
PROTRK1225Y

| ProTrak™ Systems | A | B | C | D | E | | |
|---|---|---|---|---|---|---|---|
| | | Trak | | Channel | | | |
| Description | Length in. (mm) | Width in. (mm) | Height in. (mm) | Width in. (mm) | Height in. (mm) | Weight lbs. (kg) | Catalog Number |
| 1 Channel, drop over, yellow | 36.0" (914) | 5.25" (133) | .75" (19.0) | 1.50" (38.1) | .50" (12.7) | 3.00 (1.40) | **PROTRK115Y** |
| 1 Channel, drop over, black | 36.0" (914) | 5.25" (133) | .75" (19.0) | 1.50" (38.1) | .50" (12.7) | 3.00 (1.40) | **PROTRK115BK** |
| 1 Channel, drop over, yellow | 36.0" (914) | 10.75" (273) | 1.50" (38.1) | 4.00" (101.6) | 1.00" (25.4) | 8.00 (3.60) | **PROTRK140Y** |
| 1 Channel, drop over, black | 36.0" (914) | 10.75" (273) | 1.50" (38.1) | 4.00" (101.6) | 1.00" (25.4) | 8.00 (3.60) | **PROTRK140BK** |
| 1 Channel, hinged cover, yellow | 36.0" (914) | 10.81" (274) | 1.25" (31.8) | 2.25" (57.2) | .75" (19.0) | 7.80 (3.54) | **PROTRK1225Y** |
| 1 Channel, hinged cover, black | 36.0" (914) | 10.81" (274) | 1.25" (31.8) | 2.25" (57.2) | .75" (19.0) | 7.80 (3.54) | **PROTRK1225BK** |

**PROTRK115 & PROTRK140 Series (Top view)** (Side view)




**PROTRK1225 Series (Top view)** (Side view)




## Accessories

| ProTrak Series | Anti-Slip Pad Kits* |
|---|---|
| PROTRK115 | **PROTRK1ASPK** |
| PROTRK140 | **PROTRK2ASPK** |
| PROTRK1225 | **PROTRK3ASPK** |

*One kit per section





## Load Capacity

| Product | Test Fixture Footprint Inches (mm) | Tire Load lbs. +/- 20% 70°F (21°C) | Axle Load lbs. +/- 20% 70°F (21°C) |
|---|---|---|---|
| PROTRK115 | 6.9" x 17.3" (175 X 439) | 10,500 | 21,000 |
| PROTRK140 | 6.9" x 17.3" (175 X 439) | 10,500 | 21,000 |
| PROTRK1225 | 6.9" x 17.3" (175 X 439) | 13,000 | 26,000 |

*Dimensions in Inches (mm)*

## FloorTrak® Floor Cable Cover

For Pedestrian Traffic in Office and Public Areas

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)




### FloorTrak® 2*

| Color | Length Feet | (meters) | Catalog Number |
|---|---|---|---|
| Black | 10.0' | (3.05) | **FT2BK10** |
| Brown | 10.0' | (3.05) | **FT2BR10** |
| Beige | 10.0' | (3.05) | **FT2BG10** |
| Gray | 10.0' | (3.05) | **FT2GY10** |
| Yellow | 10.0' | (3.05) | **FT2Y10** |



### FloorTrak® 3*

| Color | Length Feet | (meters) | Catalog Number |
|---|---|---|---|
| Black | 5.0' | (1.52) | **FT3BK5** |
| Black | 25.0' | (7.62) | **FT3BK25** |
| Brown | 5.0' | (1.52) | **FT3BR5** |
| Brown | 25.0' | (7.62) | **FT3BR25** |
| Beige | 5.0' | (1.52) | **FT3BG5** |
| Beige | 25.0' | (7.62) | **FT3BG25** |
| Gray | 5.0' | (1.52) | **FT3GY5** |
| Gray | 25.0' | (7.62) | **FT3GY25** |
| Yellow | 5.0' | (1.52) | **FT3Y5** |
| Yellow | 25.0' | (7.62) | **FT3Y25** |



*Note: *ADA Compliant Section 4.5.2.*

### FloorTrak® 4

| Color | Length Feet | (meters) | Catalog Number |
|---|---|---|---|
| Black | 5.0' | (1.52) | **FT4BK5** |
| Black | 25.0' | (7.62) | **FT4BK25** |
| Gray | 25.0' | (7.62) | **FT4GY25** |
| Yellow | 5.0' | (1.52) | **FT4Y5** |
| Yellow | 25.0' | (7.62) | **FT4Y25** |



### FloorTrak® 10 (Heavy Duty)

| Color | Length Feet | (meters) | Catalog Number |
|---|---|---|---|
| Black | 3.0' | (.914) | **FT10BK3** |
| Black | 5.0' | (1.52) | **FT10BK5** |
| Yellow | 3.0' | (.914) | **FT10Y3** |
| Yellow | 5.0' | (1.52) | **FT10Y5** |



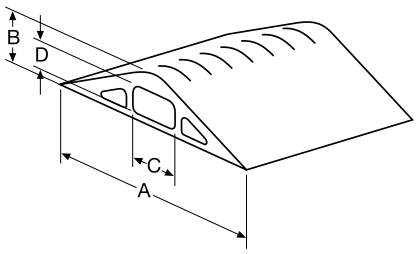
### Accessories

| Description | Catalog Number |
|---|---|
| 1" Wide, 75' Roll Double-Sided Adhesive Tape. | **FTT1** |
| 2" Wide, 75' Roll Double-Sided Adhesive Tape. | **FTT2** |



### Dimensions

| FloorTrak® | FT2 in. (mm) | FT3 in. (mm) | FT4 in. (mm) | FT10 (Heavy Duty) in. (mm) |
|---|---|---|---|---|
| Width (A) | 2.75" (69.9) | 3.00" (76.2) | 3.25" (82.6) | 5.6" (142.24) |
| Height (B) | .53" (13.5) | .75" (19.1) | 1.10" (27.9) | 1.7" (43.18) |
| Center Hole (CxD) | .60" x .31" (15.2) x (7.9) | .75" x .50" (19.1) x (12.7) | 1.21" x .75" (30.7) x (19.1) | 1.81" x 1.25" (45.98 x 31.75) |




### Specifications

| | |
|---|---|
| Material | Rigid PVC. |
| Operating Temperature | 0°F to +120°F (-18°C to +49°C). |

*Dimensions in Inches (mm)*

# SECTION W

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**Pulling Grips**



**Support Grips**



**Cord Connectors**




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## Products at a Glance



### Pulling Grips

- The galvanized steel mesh grip provides strength for secure pulling jobs
- Endless weave allows easy installation onto cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs
- Shoulder protectors contain the cable inside the grip



### Support Grips

- Solid eye assemblies provide eye reinforcement at support hardware
- Four eye styles available: single, double, universal and offset
- Identification tag shows: catalog number, diameter range, agency approval and bar code
- Available in tin coated bronze, stainless steel and non-metallic aramid fiber



### Fiber Optic Cable Grips

- Pulling Grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables. They will protect the connectors and guide the bundle through the pulling environment
- Will support the cable's weight as it hangs in vertical, sloping or horizontal position



### Strain Relief Grips

- Stainless steel mesh is corrosion resistant. Can be used inside or outside
- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



### Cord Connectors

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector bod
- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection

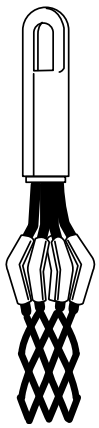


### PolyTuff® Non-Metallic Liquidtight Conduit and Fittings

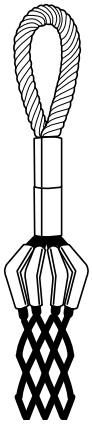
- Nylon compression nut has a tapered dome to tighten ferrule onto conduit
- Tapered, machined threads fasten securely and provide additional liquidtight sealing
- Non-integral, reusable steel, ferrule is easily installed, to seal conduit
- PVC tubing handles twists, turns, bends, switchbacks and straightaways with ease
- UL listed/recognized and CSA certified

## Quick Reference Selection Guide for Grip Applications

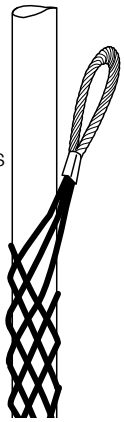
### Pulling Grips



**Heavy-Duty Rotating Eye**
For underground wiring and overhead heavy-duty pulling of service lines and new construction cable. See pages W-8 and W-9.



**Heavy-Duty Flexible Eye**
For overhead transmission and distribution line stringing. See pages W-7, W-8, and W-10.

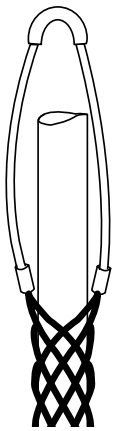


**Slack Grips**
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available. See pages W-11 and W-12.

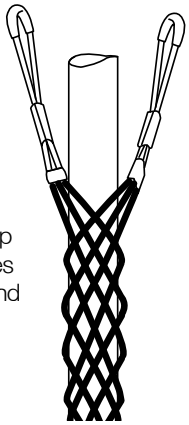


**Light-Duty Flexible Eye**
For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring. See page W-13.

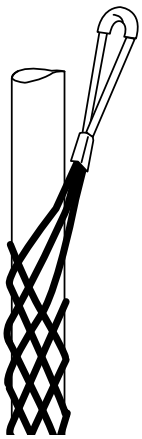
### Support Grips



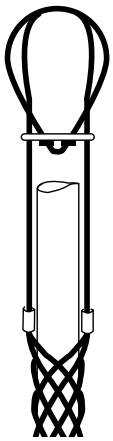
**Single Eye**
For single hook attachment of permanent indoor/outdoor cable. Available on heavy-duty, standard duty, and service drop grips. See pages W-20, W-24, and W-26.



**Double Eye**
For double hook attachment of permanent indoor/outdoor cable. Available on heavy-duty and standard duty grips. See pages W-21 and W-25.

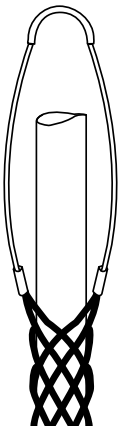


**Single Offset Eye**
For offset hook attachment of permanent indoor/outdoor cable. Available on standard duty and light-duty support grips. See page W-22.



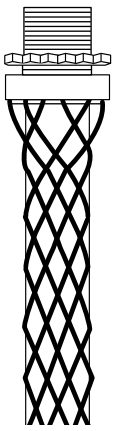
**Universal Eye**
Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages W-23 and W-27.

### Support Grips

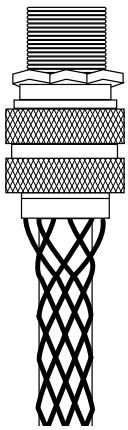


**Wide Range Bus Drop**
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page W-28.

### Strain Relief Grips



**Dust-Tight Strain Relief**
Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. See page W-55.



**Deluxe Cord**
Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages W-50 to W-54.



**Liquid-Tight, Flexible Metal Conduit**
Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages W-58 to W-60.

### Other Specialty Grips

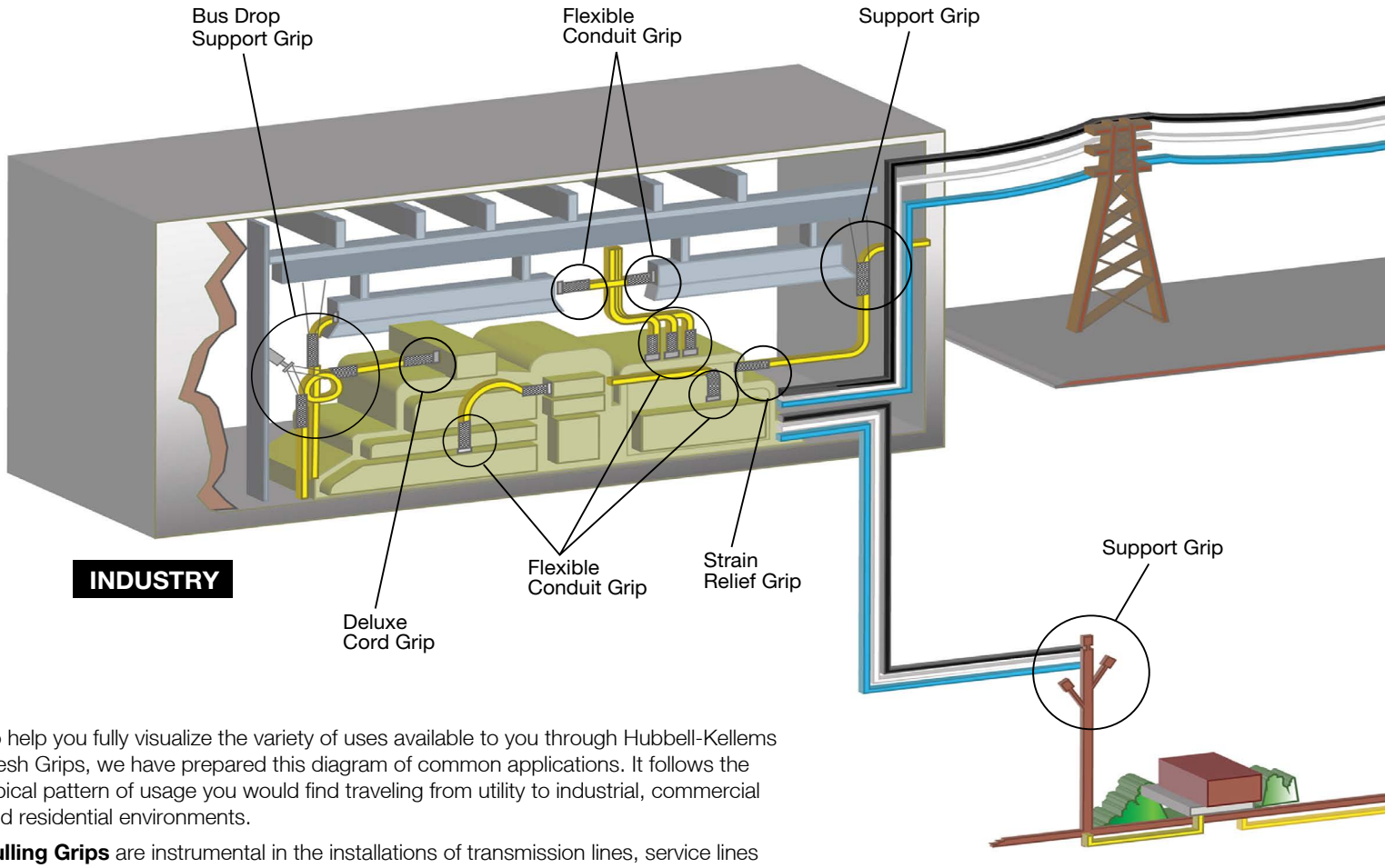
**Splicing Grips**
Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages W-14 and W-15.

**Conduit Riser Grips**
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages W-29 to W-31.

**Hose Containment Grips**
Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See pages W-46 and W-47.

***Specifications are subject to change without notice.***

## Kellems® Wire Mesh Grips Diagram



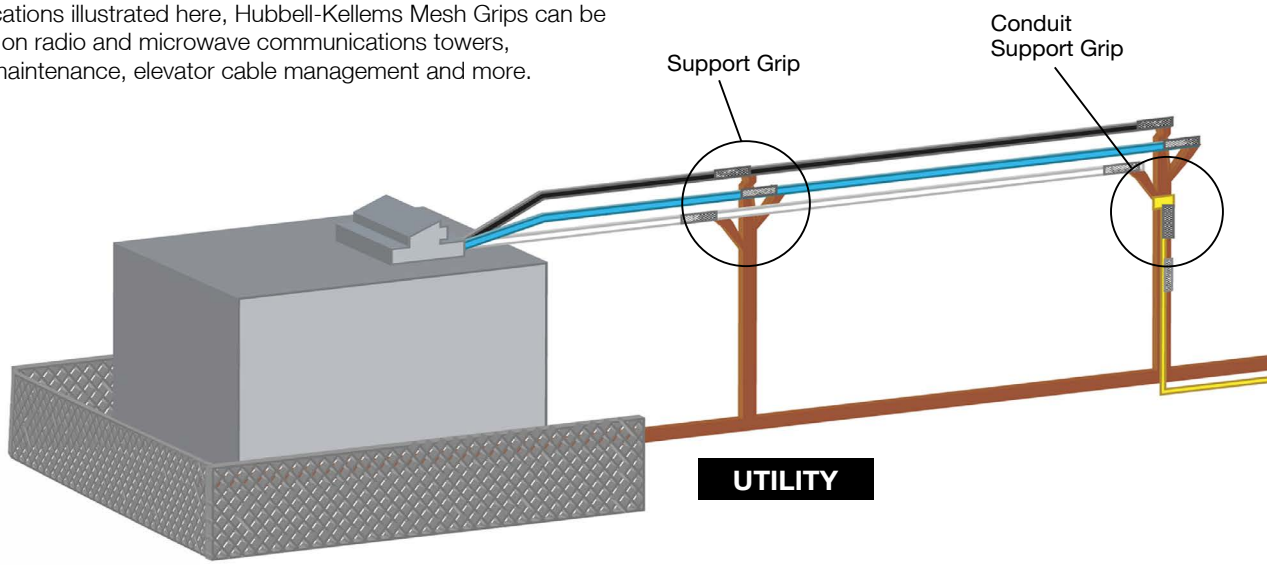

To help you fully visualize the variety of uses available to you through Hubbell-Kellems Mesh Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial and residential environments.

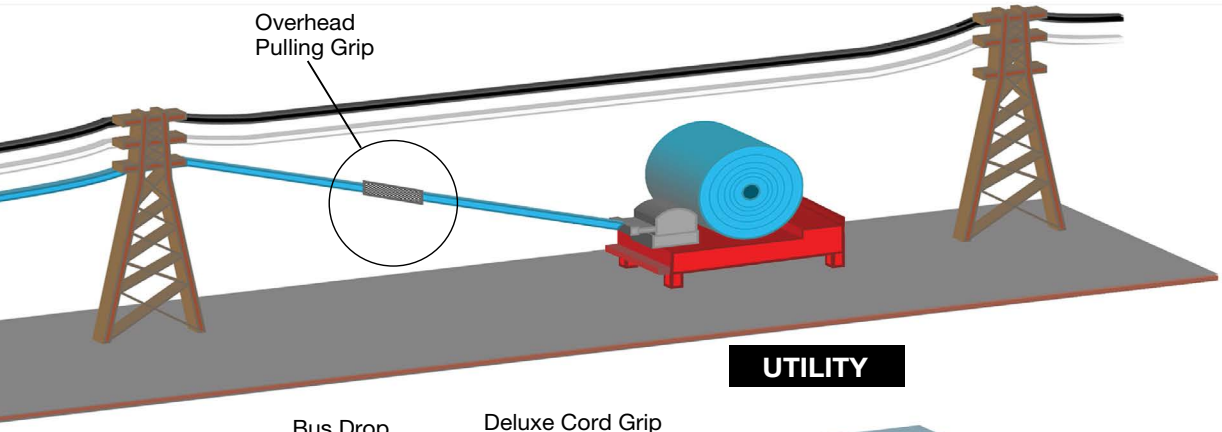
**Pulling Grips** are instrumental in the installations of transmission lines, service lines and cabling for construction and maintenance.

**Support Grips** provide holding management for indoor and outdoor permanent cable installations.

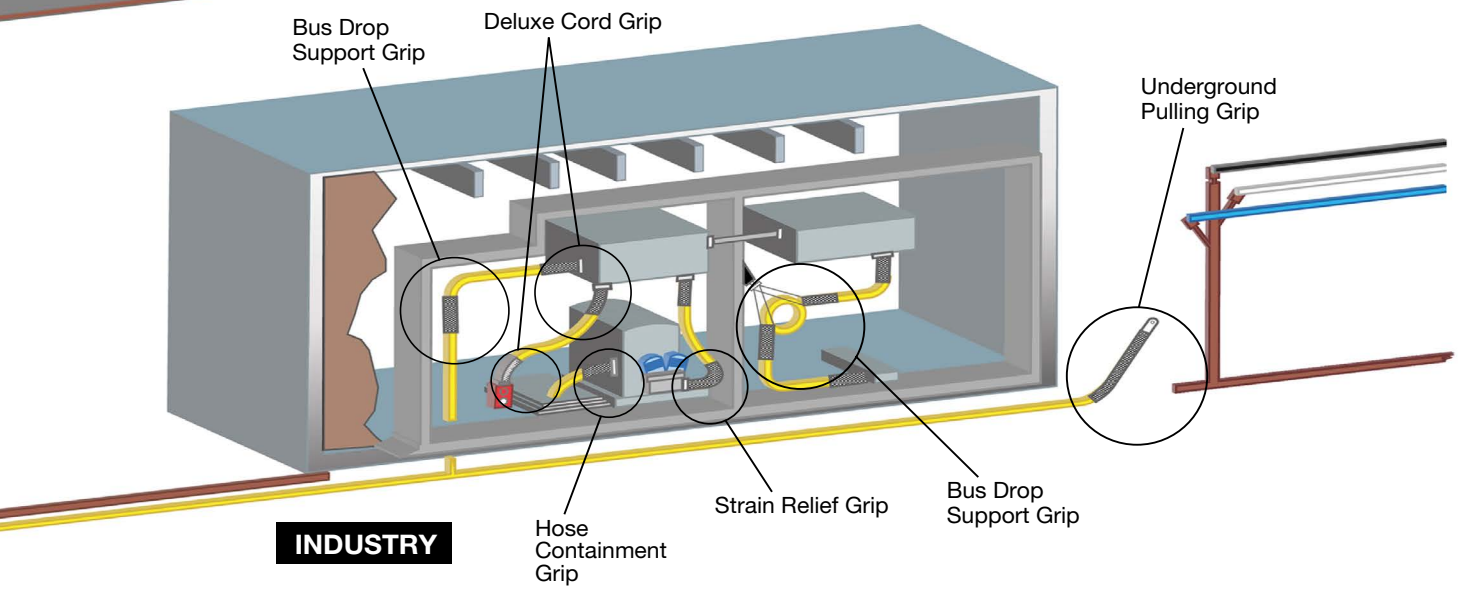
**Strain Relief Grips** are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.

Beyond the electrical applications illustrated here, Hubbell-Kellems Mesh Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.

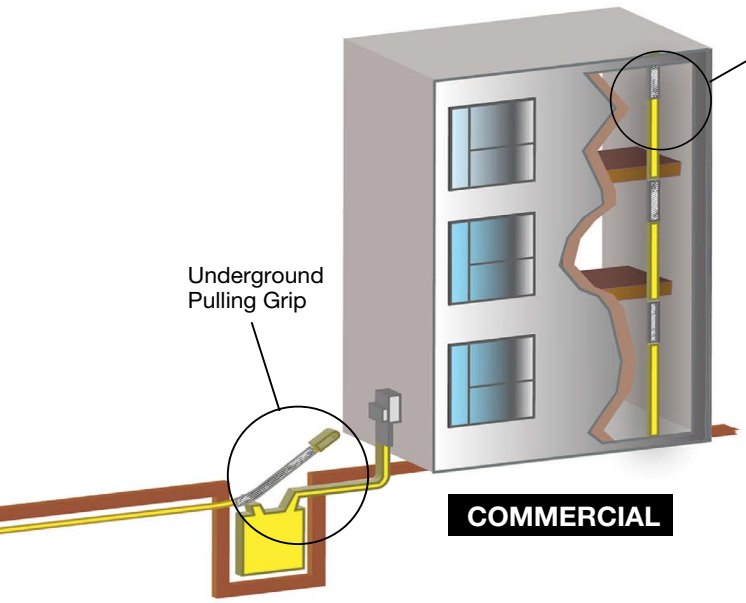




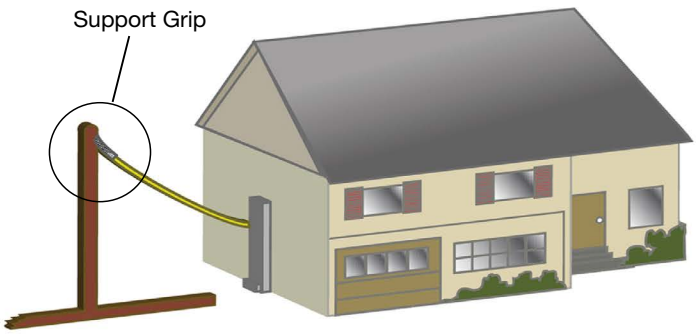

**UTILITY**




**INDUSTRY**




**COMMERCIAL**




**RESIDENTIAL**

## Features and Benefits

## Kellems® Pulling Grips

Pulling grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit.

These grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

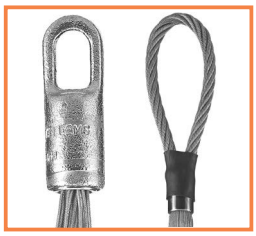
- Made of high strength galvanized steel strand
- Mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels





### Mesh Grip

- The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up; it has flexibility to follow cable path
- The multiweave styles available add strength for big pulling jobs and provide positive gripping power



### Eye Styles

- Heavy-duty rotating eye for underground wiring and overhead heavy-duty pulling of service lines and new construction cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs



### Cable Protection

- Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends; they protect the leading edge of the grip from abrasion



### Accessories

- Swivels are essential to the efficiency and safety of any high tension application
- Punch-Lok® Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose
- Banding tools

## DUA-PULL® Grips, Flexible Eye, Double Weave Mesh

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces. **THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.**

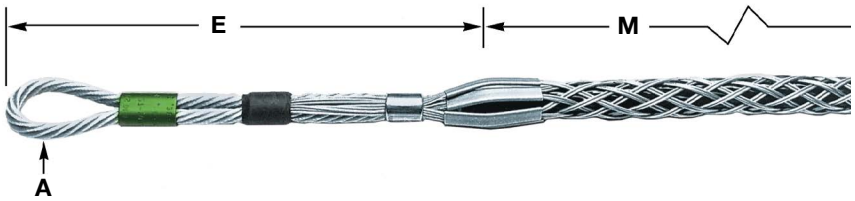
**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Benefits

- Made of high strength galvanized steel strand
- Recommended for pulling bare or insulated conductor, wire rope and synthetic rope
- DUA-PULL mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels, see page W-16




### DUA-PULL® Grips

| Diameter Range | | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | A Eye Dia. Inches (cm) | Over Cable and Grip** Inches (cm) | Color Code | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| Conductor Inches (cm) | Rope* Inches (cm) | | | | | | | | |
| .19"-.37" (.48-.94) | .25"-.65" (.63-1.65) | 6,500 | 1,300 | 10" (25.40) | 24" (60.96) | .220" (.56) | .200" (.51) | Black | **033271037** |
| .38"-.62" (.97-1.57) | .50"-.90" (1.27-2.29) | 14,000 | 2,800 | 12" (30.48) | 36" (91.44) | .375" (.95) | .280" (.71) | Dk Green | **033271038** |
| .63"-.87" (1.60-2.21) | .75"-1.10" (1.90-2.79) | 20,000 | 4,000 | 13" (33.02) | 48" (121.92) | .437" (1.11) | .360" (.91) | Red | **033271039** |
| .88"-1.12" (2.24-2.84) | 1.00"-1.50" (2.54-3.81) | 30,600 | 6,120 | 15" (38.10) | 60" (152.40) | .500" (1.27) | .500" (1.27) | Dk Blue | **033271040** |
| 1.13"-1.37" (2.87-3.48) | 1.25"-1.70" (3.17-4.32) | 46,800 | 9,360 | 18" (45.72) | 76" (193.04) | .625" (1.59) | .625" (1.59) | Yellow | **033271041** |
| 1.38"-1.90" (3.51-4.38) | 1.50"-2.10" (3.81-5.33) | 66,500 | 13,300 | 24" (60.96) | 89" (226.06) | .750" (1.90) | .750" (1.90) | Aluminum | **033271042** |

*Note: E = Eye length. M = Mesh length at nominal diameter.*
**For rope, select smallest size grip which meets required work load.*
***Add to cable or rope diameter.*

### Feed Tubes

The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

### Benefits

- Saves time, allowing fast, easy assembly
- Can be reused if not damaged



### DUA-PULL® Feed Tubes

| For Use with DUA-PULL Grips | Rope Diameter Inches (cm) | Feed Tube Length Inches (cm) | Catalog Number |
|---|---|---|---|
| 033271037 | .25"-.65" (.63-1.65) | 28" (71.12) | **091061043** |
| 033271038 | .50"-.90" (1.27-2.29) | 40" (101.60) | **091061044** |
| 033271039 | .75"-1.10" (1.90-2.79) | 52" (132.08) | **091061045** |
| 033271040 | 1.00"-1.50" (2.54-3.81) | 67" (170.18) | **091061046** |
| 033271041 | 1.25"-1.70" (3.17-4.32) | 83" (210.82) | **091061047** |
| 033271042 | 1.50"-2.10" (3.81-5.33) | 96" (243.84) | **091061048** |

*Note: 1. Do not run grips or swivels over bullwheels while under tension.*
*2. Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release, see page W-16.*
*3. Double braided rope, such as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter of back splice.*



*Dimensions in Inches (mm)*

## Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

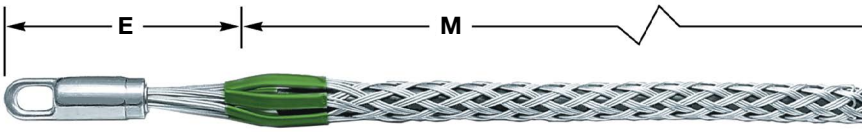
*Refer to pages W-17 and W-18.*

### Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page W-16. For rotating eye dimensions, see page W-9.

### Benefits

- Economical, high strength pulling tool
- Multi-weave construction provides greater strength and holding power
- Endless Weave Grip end lies flat on the cable and will not snag



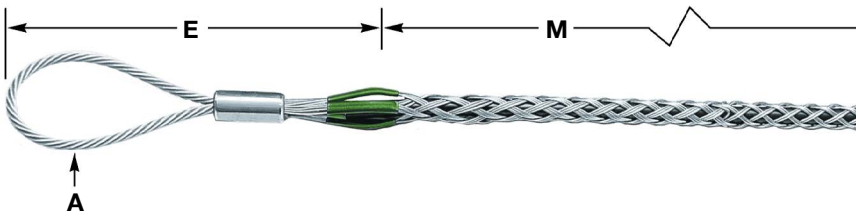

### Multiple Strength Grip, Rotating Eye

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Rotating Eye Dia. Inches (cm) | Color Code | Catalog Number |
|---|---|---|---|---|---|---|---|
| .25"-.49" (.63-1.24) | 6,800 | 1,360 | 5" (12.70) | 26" (66.04) | 7/8" (2.22) | Dark Green | **03302016** |
| .50"-.74" (1.27-1.88) | 10,000 | 2,000 | 6" (15.24) | 32" (81.28) | 1" (2.54) | Brown | **03302018** |
| .75"-.99" (1.90-2.51) | 14,400 | 2,880 | 6" (15.24) | 41" (104.14) | 1" (2.54) | Light Blue | **03302020** |
| 1.00"-1.24" (2.54-3.15) | 24,600 | 4,920 | 8" (20.32) | 52" (132.08) | 1 3/8" (3.49) | Gold | **03302022** |
| 1.25"-1.49" (3.17-3.78) | 30,600 | 6,120 | 8" (20.32) | 56" (142.24) | 1 5/8" (4.13) | Black | **03302024** |
| 1.50"-1.74" (3.81-4.42) | 30,600 | 6,120 | 9" (22.86) | 60" (152.40) | 1 7/8" (4.76) | Red | **03302026** |
| 1.75"-2.24" (4.44-5.69) | 48,000 | 9,600 | 10" (25.40) | 70" (177.80) | 1 7/8" (4.76) | Dark Blue | **03302028** |
| 2.00"-2.49" (5.08-6.32) | 48,000 | 9,600 | 10" (25.40) | 50" (127.00) | 1 7/8" (4.76) | Yellow | **03302066** |
| 2.50"-2.99" (6.35-7.59) | 48,000 | 9,600 | 10" (25.40) | 52" (132.08) | 1 7/8" (4.76) | Orange | **03302097** |
| 3.00"-3.49" (7.62-8.86) | 48,000 | 9,600 | 10" (25.40) | 50" (127.00) | 1 7/8" (4.76) | Aluminum | **033021030** |
| 3.50"-3.99" (8.89-10.13) | 48,000 | 9,600 | 10" (25.40) | 53" (134.62) | 1 7/8" (4.76) | Light Green | **033021031** |

*Note: E- Eye length M-Mesh length at nominal diameter.*

### Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.




### Multiple Strength Grip, Flexible Eye

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | A Eye Dia. Inches (cm) | Color Code | Catalog Number |
|---|---|---|---|---|---|---|---|
| .25"-.49" (.63-1.24) | 6,800 | 1,360 | 9" (22.86) | 26" (66.04) | 1/4" (.63) | Dark Green | **03302044** |
| .50"-.74" (1.27-1.88) | 10,000 | 2,000 | 9" (22.86) | 32" (81.28) | 5/16" (.79) | Brown | **03302046** |
| .75"-.99" (1.90-2.51) | 14,400 | 2,880 | 11" (27.94) | 41" (104.14) | 3/8" (.95) | Light Blue | **03302048** |
| 1.00"-1.24" (2.54-3.15) | 24,600 | 4,920 | 12" (30.48) | 52" (132.08) | 1/2" (1.27) | Gold | **03302050** |
| 1.25"-1.49" (3.17-3.78) | 30,600 | 6,120 | 12" (30.48) | 56" (142.24) | 1/2" (1.27) | Black | **03302052** |
| 1.50"-1.74" (3.81-4.42) | 30,600 | 6,120 | 12" (30.48) | 60" (152.40) | 1/2" (1.27) | Red | **03302054** |
| 1.75"-2.24" (4.44-5.69) | 48,000 | 9,600 | 18" (45.72) | 70" (177.80) | 5/8" (1.59) | Dark Blue | **03302056** |
| 2.00"-2.49" (5.08-6.32) | 48,000 | 9,600 | 18" (45.72) | 50" (127.00) | 5/8" (1.59) | Yellow | **033021078** |
| 2.50"-2.99" (6.35-7.59) | 48,000 | 9,600 | 18" (45.72) | 52" (132.08) | 5/8" (1.59) | Orange | **033021079** |
| 3.00"-3.49" (7.62-8.86) | 48,000 | 9,600 | 18" (45.72) | 50" (127.00) | 5/8" (1.59) | Aluminum | **033021080** |
| 3.50"-3.99" (8.89-10.13) | 48,000 | 9,600 | 18" (45.72) | 53" (134.62) | 5/8" (1.59) | Light Green | **033021081** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*

1. *Do not run grips or swivels over bullwheels while under tension.*
2. *Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release, see page W-16.*

*Dimensions in Inches (mm)*

## K-Type Grips

Kellems® Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding. **The rotating eye is not a swivel and will not turn while under tension**; it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page W-16. For rotating eye dimensions, see below.

### Benefits

- An economical tool for pulling cable
- Safe, rugged and dependable
- Equipped with a rotating eye for spin out of pulling torque after load release
- Easily installed and removed



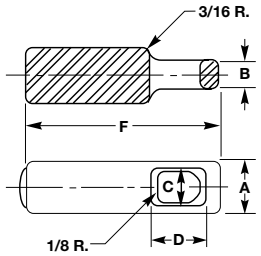

### K-Type Grips

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Rotating Eye Dia. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|---|
| **Short** | | | | | | |
| .50"-.62" (1.27-1.57) | 5,600 | 1,120 | 5" (12.70) | 11" (27.94) | 7/8" (2.22) | **03301001** |
| .63"-.74" (1.60-1.88) | 6,800 | 1,360 | 5" (12.70) | 11" (27.94) | 7/8" (2.22) | **03301002** |
| .75"-.99" (1.90-2.51) | 6,800 | 1,360 | 6" (15.24) | 20" (50.80) | 1" (2.54) | **03301013** |
| 1.00"-1.24" (2.54-3.15) | 12,800 | 2,560 | 7" (17.78) | 20" (50.80) | 1 3/8" (3.49) | **03301014** |
| 1.25"-1.49" (3.17-3.78) | 12,800 | 2,560 | 7" (17.78) | 21" (53.34) | 1 3/8" (3.49) | **03301016** |
| 1.50"-1.99" (3.81-5.05) | 16,400 | 3,280 | 7" (17.78) | 25" (63.50) | 1 3/8" (3.49) | **03301017** |
| 2.00"-2.49" (5.08-6.32) | 27,200 | 5,440 | 8" (20.32) | 26" (66.04) | 1 5/8" (4.13) | **03301018** |
| 2.50"-2.99" (6.35-7.59) | 33,000 | 6,600 | 10" (25.40) | 28" (71.12) | 1 7/8" (4.76) | **03301019** |
| 3.00"-3.49" (7.62-8.86) | 41,000 | 8,200 | 10" (25.40) | 30" (76.20) | 1 7/8" (4.76) | **03301020** |
| 3.50"-3.99" (8.89-10.13) | 48,000 | 9,600 | 10" (25.40) | 32" (81.28) | 1 7/8" (4.76) | **03301021** |
| 4.00"-4.49" (10.16-11.40) | 48,000 | 9,600 | 10" (25.40) | 33" (83.82) | 1 7/8" (4.76) | **033011017** |
| **Standard** | | | | | | |
| .50"-.62" (1.27-1.57) | 5,600 | 1,120 | 5" (12.70) | 16" (40.64) | 7/8" (2.22) | **03301011** |
| .63"-.74" (1.60-1.88) | 6,800 | 1,360 | 5" (12.70) | 16" (40.64) | 7/8" (2.22) | **03301012** |
| .75"-.99" (1.90-2.51) | 9,600 | 1,920 | 6" (15.24) | 32" (81.28) | 1" (2.54) | **03301024** |
| 1.00"-1.49" (2.54-3.78) | 16,400 | 3,280 | 7" (17.78) | 33" (83.82) | 1 3/8" (3.49) | **03301025** |
| 1.50"-1.99" (3.81-5.05) | 16,400 | 3,280 | 7" (17.78) | 34" (86.36) | 1 3/8" (3.49) | **03301026** |
| 2.00"-2.49" (5.08-6.32) | 27,200 | 5,440 | 9" (22.86) | 36" (91.44) | 1 5/8" (4.13) | **03301027** |
| 2.50"-2.99" (6.35-7.59) | 33,000 | 6,600 | 10" (25.40) | 38" (96.52) | 1 7/8" (4.76) | **03301028** |
| 3.00"-3.49" (7.62-8.86) | 41,000 | 8,200 | 10" (25.40) | 39" (99.06) | 1 7/8" (4.76) | **03301029** |
| 3.50"-3.99" (8.89-10.13) | 48,000 | 9,600 | 10" (25.40) | 41" (104.14) | 1 7/8" (4.76) | **03301030** |
| 4.00"-4.49" (10.16-11.40) | 48,000 | 9,600 | 10" (25.40) | 42" (106.68) | 1 7/8" (4.76) | **03301031** |
| 4.50"-4.99" (11.43-12.67) | 48,000 | 9,600 | 10" (25.40) | 58" (147.32) | 1 7/8" (4.76) | **03301039** |
| 5.00"-5.99" (12.70-15.21) | 40,000 | 8,000 | 10" (25.40) | 60" (152.40) | 1 7/8" (4.76) | **03301047** |
| 6.00"-6.99" (15.24-17.75) | 48,000 | 9,600 | 10" (25.40) | 66" (167.64) | 1 7/8" (4.76) | **03301045** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*
*See page W-18 for multiple cables in a single pulling grip.*

### Rotating Eye Dimensions

| Rotating Eye Dimensions Inches (cm) | A | B | C | D | F |
|---|---|---|---|---|---|
| 7/8" (2.22) | 7/8" (2.22) | 9/32" (.71) | 1/2" (1.27) | 7/8" (2.22) | 2 5/8" (6.67) |
| 1" (2.54) | 1" (2.54) | 1/2" (1.27) | 9/16" (1.43) | 13/16" (2.06) | 3 1/2" (8.89) |
| 1 3/8" (3.49) | 1 3/8" (3.49) | 1/2" (1.27) | 11/16" (1.75) | 1" (2.54) | 4 1/2" (11.43) |
| 1 5/8" (4.13) | 1 5/8" (4.13) | 5/8" (1.59) | 7/8" (2.22) | 1 3/16" (3.02) | 5 5/16" (13.49) |
| 1 7/8" (4.76) | 1 7/8" (4.76) | 21/32"(1.67) | 1" (2.54) | 1 3/8" (3.49) | 6 1/8" (15.56) |




*Dimensions in Inches (mm)*

## T-Type Grips

Kellems® Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

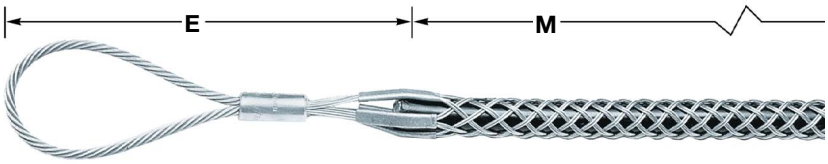
*Refer to pages W-17 and W-18.*

### Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls and standard for general purpose pulling.

### Benefits

- Will pull a single cable or cable bundles
- Patented flexible eye design provides flexibility to follow line of pull
- A dependable, reusable pulling tool
- Easily installed and removed
- Mates easily with a swivel, see page W-16




### T-Type Grips

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| **Short** | | | | | |
| .50"-.62" (1.27-1.57) | 4,500 | 900 | 8" (20.32) | 21" (53.34) | **033041082** |
| .63"-.74" (1.60-1.88) | 5,600 | 1,120 | 8" (20.32) | 24" (60.96) | **033041083** |
| .75"-.99" (1.90-2.51) | 6,800 | 1,360 | 9" (22.86) | 24" (60.96) | **033041084** |
| 1.00"-1.49" (2.54-3.78) | 9,600 | 1,920 | 9" (22.86) | 24" (60.96) | **033041085** |
| 1.50"-1.99" (3.81-5.05) | 16,400 | 3,280 | 11" (27.94) | 24" (60.96) | **033041086** |
| 2.00"-2.49" (5.08-6.32) | 18,500 | 3,700 | 12" (30.48) | 24" (60.96) | **033041087** |
| 2.50"-2.99" (6.35-7.59) | 24,500 | 4,900 | 12" (30.48) | 24" (60.96) | **033041088** |
| 3.00"-3.49" (7.62-8.86) | 24,500 | 4,900 | 14" (35.56) | 24" (60.96) | **033041089** |
| 3.50"-3.99" (8.89-10.13) | 31,000 | 6,200 | 14" (35.56) | 26" (66.04) | **033041090** |
| **Standard** | | | | | |
| .75"-.99" (1.90-2.51) | 6,800 | 1,360 | 9" (22.86) | 36" (91.44) | **033041091** |
| 1.00"-1.49" (2.54-3.78) | 9,600 | 1,920 | 9" (22.86) | 36" (91.44) | **033041092** |
| 1.50"-1.99" (3.81-5.05) | 16,400 | 3,280 | 11" (27.94) | 36" (91.44) | **033041093** |
| 2.00"-2.49" (5.08-6.32) | 18,500 | 3,700 | 12" (30.48) | 36" (91.44) | **033041094** |
| 2.50"-2.99" (6.35-7.59) | 24,500 | 4,900 | 12" (30.48) | 36" (91.44) | **033041095** |
| 3.00"-3.49" (7.62-8.86) | 24,500 | 4,900 | 14" (35.56) | 36" (91.44) | **033041096** |
| 3.50"-3.99" (8.89-10.13) | 31,000 | 6,200 | 14" (35.56) | 40" (101.60) | **033041097** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*
*See page W-18 for multiple cables in a single pulling grip.*

*Dimensions in Inches (mm)*

## Non-Conductive Grips

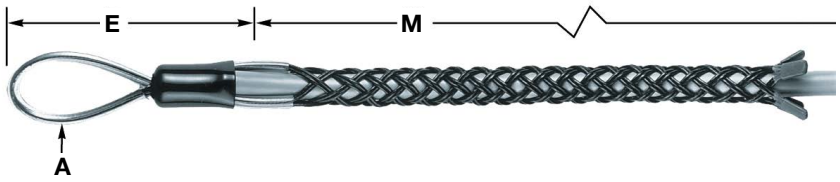
Kellems® Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Benefits

- Color coded for fast on-site selection
- Extra flexibility for easy installation
- Non-metallic mesh provides for safe pulls over "hot" areas
- Pellethane jacketed aramid fiber mesh resists abrasion
- Grips are corrosion resistant




### Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | A Inches (cm) | Color Code | Catalog Number |
|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 1,000 | 200 | 5.5" (13.97) | 24" (60.96) | .44" (1.12) | Green | **03628001** |
| .63"-.74" (1.60-1.88) | 2,000 | 400 | 5.5" (13.97) | 26" (66.04) | .44" (1.12) | Yellow | **03628002** |
| .75"-.99" (1.90-2.51) | 2,000 | 400 | 6.0" (15.24) | 31" (78.74) | .63" (1.60) | Red | **03628003** |
| 1.00"-1.24" (2.54-3.15) | 3,000 | 600 | 6.5" (16.51) | 36" (91.44) | .63" (1.60) | Blue | **03628004** |
| 1.25"-1.49" (3.17-3.78) | 3,000 | 600 | 6.7" (17.02) | 41.5" (105.41) | .63" (1.60) | White | **03628005** |
| 1.50"-1.99" (3.81-5.05) | 3,000 | 600 | 8.0" (20.32) | 44.0" (121.76) | .63" (1.60) | Pink | **03628006** |

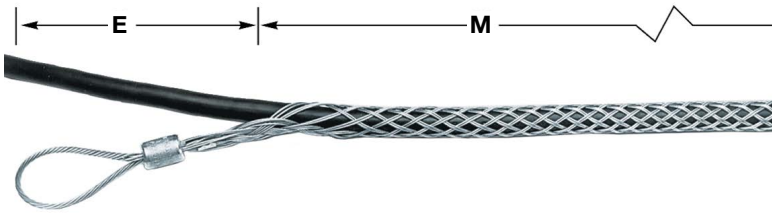
*Note: E- Eye length. M-Mesh length at nominal diameter.*
*Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.*

## Slack Pulling Grips

Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

### Benefits

- Easy attachment to pulling lines
- Galvanized steel for strength




### Slack Grip-Closed Mesh, Offset Eye, Double Weave, Galvanized Steel

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| **Standard** | | | | | |
| .75"-.99" (1.90-2.51) | 2,600 | 520 | 7" (17.78) | 12" (30.48) | **03308003** |
| 1.00"-1.24" (2.54-3.15) | 4,000 | 800 | 8" (20.32) | 15" (38.10) | **03308004** |
| 1.25"-1.49" (3.17-3.78) | 5,400 | 1,080 | 8" (20.32) | 16" (40.64) | **03308005** |
| 1.50"-1.74" (3.81-4.42) | 6,600 | 1,320 | 8" (20.32) | 20" (50.80) | **03308006** |
| 1.75"-1.99" (4.44-5.05) | 10,000 | 2,000 | 10" (25.40) | 18" (45.72) | **03308007** |
| 2.00"-2.49" (5.08-6.32) | 11,000 | 2,200 | 10" (25.40) | 19" (48.26) | **03308008** |
| 2.50"-2.99" (6.35-7.59) | 11,000 | 2,200 | 10" (25.40) | 20" (50.80) | **03308009** |
| 3.00"-3.49" (7.62-8.86) | 14,500 | 2,900 | 12" (30.48) | 21" (53.34) | **03308010** |
| 3.50"-3.99" (8.89-10.13) | 14,500 | 2,900 | 12" (30.48) | 22" (55.88) | **03308011** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*
*See page W-18 for multiple cables in a single pulling grip.*

*Dimensions in Inches (mm)*

## Slack Pulling Grips

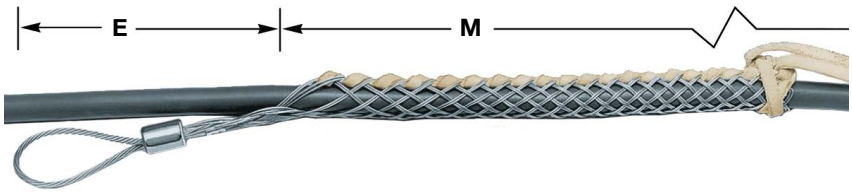
Slack Pulling Grips are offered in three styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split lace and split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Benefits

- Easy attachment to pulling lines
- Reusable rawhide lace for lace closure
- Galvanized steel for strength

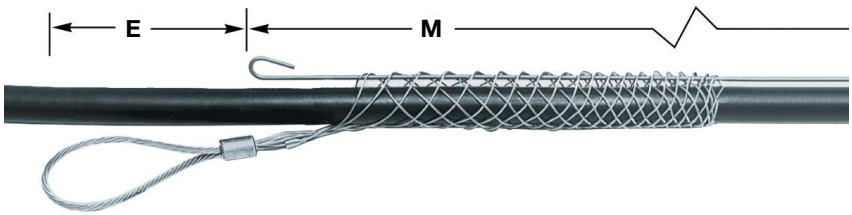



### Slack Grip-Split Mesh, Rawhide Lace Closing, Offset Eye, Double Weave, Galvanized Steel

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| **Standard** | | | | | |
| .75"-.99" (1.90-2.51) | 2,500 | 500 | 7" (17.78) | 12" (30.48) | **03309003** |
| 1.00"-1.24" (2.54-3.15) | 3,500 | 700 | 8" (20.32) | 15" (38.10) | **03309004** |
| 1.25"-1.49" (3.17-3.78) | 4,000 | 800 | 8" (20.32) | 16" (40.64) | **03309005** |
| 1.50"-1.74" (3.81-4.42) | 4,000 | 800 | 9" (22.86) | 17" (43.18) | **03309006** |
| 1.75"-1.99" (4.44-5.05) | 4,000 | 800 | 10" (25.40) | 18" (45.72) | **03309007** |
| 2.00"-2.49" (5.08-6.32) | 4,000 | 800 | 10" (25.40) | 19" (48.26) | **03309008** |
| 2.50"-2.99" (6.35-7.59) | 4,000 | 800 | 10" (25.40) | 20" (50.80) | **03309009** |
| **Long** | | | | | |
| 1.50"-1.99" (3.81-5.05) | 4,000 | 800 | 9" (22.86) | 25" (63.50) | **03309015** |
| 2.00"-2.49" (5.08-6.32) | 4,000 | 800 | 10" (25.40) | 26" (66.04) | **03309016** |
| 2.50"-2.99" (6.35-7.59) | 4,000 | 800 | 10" (25.40) | 29" (73.66) | **03309017** |
| 3.00"-3.49" (7.62-8.86) | 4,000 | 800 | 12" (30.48) | 32" (81.28) | **03309018** |
| 3.50"-3.99" (8.89-10.13) | 4,000 | 800 | 12" (30.48) | 35" (88.90) | **03309019** |

### Benefits

- Easy attachment to pulling lines
- Galvanized steel for strength




### Slack Grip-Split Mesh, Rod Closing, Offset Eye, Single Weave, Galvanized Steel

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .50"-.61" (1.27-1.55) | 1,500 | 300 | 7" (17.78) | 6" (15.24) | **03310001** |
| .62"-.74" (1.57-1.88) | 1,800 | 360 | 7" (17.78) | 8" (20.32) | **03310002** |
| .75"-.99" (1.90-2.51) | 2,200 | 440 | 7" (17.78) | 10" (25.40) | **03310003** |
| 1.00"-1.24" (2.54-3.15) | 3,400 | 680 | 8" (20.32) | 12" (30.48) | **03310004** |
| 1.25"-1.49" (3.17-3.78) | 4,500 | 900 | 8" (20.32) | 14" (35.56) | **03310005** |
| 1.50"-1.74" (3.81-4.42) | 5,800 | 1,160 | 9" (22.86) | 15" (38.10) | **03310006** |
| 1.75" -1.99" (4.44-5.05) | 7,600 | 1,520 | 10" (25.40) | 16" (40.64) | **03310007** |
| 2.00"-2.49" (5.08-6.32) | 9,000 | 1,800 | 10" (25.40) | 19" (48.26) | **03310008** |
| 2.50"-2.99" (6.35-7.59) | 11,000 | 2,200 | 10" (25.40) | 20" (50.80) | **03310009** |
| 3.00"-3.49" (7.62-8.86) | 12,000 | 2,400 | 12" (30.48) | 21" (53.34) | **03310010** |
| 3.50"-3.99" (8.89-10.13) | 12,000 | 2,400 | 12" (30.48) | 24" (60.96) | **03310011** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*
*1. Replacement rawhide lace. Catalog number 20920002.*
*2. See page W-35 for lace and rod closing instructions.*
*See page W-18 for multiple cables in a single pulling grip.*

*Dimensions in Inches (mm)*

## Light Duty Grips

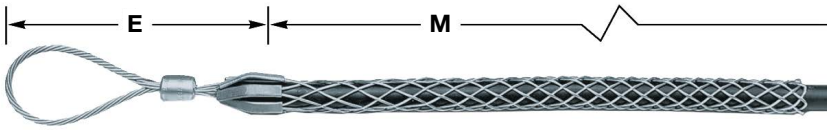
Light Duty Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Benefits

- Perfect tools for light pulling jobs
- Installs easily on cable
- Strong galvanized steel construction




### Light Duty Grips

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| **Short** | | | | | |
| .50"-.62" (1.27-1.57) | 2,800 | 560 | 5" (12.70) | 11" (27.94) | **03303001** |
| .63"-.74" (1.60-1.88) | 2,800 | 560 | 5" (12.70) | 11" (27.94) | **03303002** |
| .75"-.99" (1.90-2.51) | 4,000 | 800 | 6" (15.24) | 12" (30.48) | **03303003** |
| 1.00"-1.24" (2.54-3.15) | 5,300 | 1,060 | 7" (17.78) | 13" (33.02) | **03303004** |
| 1.25"-1.49" (3.17-3.78) | 5,300 | 1,060 | 7" (17.78) | 14" (35.56) | **03303005** |
| 1.50"-1.74" (3.81-4.42) | 6,800 | 1,360 | 8" (20.32) | 15" (38.10) | **03303006** |
| 1.75"-1.99" (4.44-5.05) | 8,500 | 1,700 | 9" (22.86) | 17" (43.18) | **03303007** |
| 2.00"-2.49" (5.08-6.32) | 8,500 | 1,700 | 9" (22.86) | 18" (45.72) | **03303008** |
| **Standard** | | | | | |
| .50"-.62" (1.27-1.57) | 2,800 | 560 | 5" (12.70) | 16" (40.64) | **03303010** |
| .63"-.74" (1.60-1.88) | 2,800 | 560 | 5" (12.70) | 16" (40.64) | **03303011** |
| .75"-.99" (1.90-2.51) | 4,000 | 800 | 6" (15.24) | 20" (50.80) | **03303012** |
| 1.00"-1.24" (2.54-3.15) | 6,800 | 1,360 | 7" (17.78) | 20" (50.80) | **03303013** |
| 1.25"-1.49" (3.17-3.78) | 6,800 | 1,360 | 7" (17.78) | 21" (53.34) | **03303015** |
| 1.50"-1.99" (3.81-5.05) | 6,800 | 1,360 | 8" (20.32) | 23" (58.42) | **03303016** |
| 2.00"-2.49" (5.08-6.32) | 8,500 | 1,700 | 9" (22.86) | 25" (63.50) | **03303017** |
| 2.50"-2.99" (6.35-7.59) | 10,600 | 2,120 | 9" (22.86) | 27" (68.58) | **03303018** |
| 3.00"-3.49" (7.62-8.86) | 14,700 | 2,940 | 10" (25.40) | 30" (76.20) | **03303019** |
| 3.50"-3.99" (8.89-10.13) | 14,700 | 2,940 | 10" (25.40) | 32" (81.28) | **03303029** |

## Junior Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

### Benefits

- Installs easily over building wire
- Strong secure grip
- Reusable
- Pulls single cable or cable bundles




### Junior Pulling Grips

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Model | Catalog Number |
|---|---|---|---|---|---|---|
| .19"-.24" (.48-.61) | 400 | 80 | 3¼" (8.25) | 4¼" (10.79) | J19 | **03305011*** |
| .25"-.37" (.63-.94) | 450 | 90 | 3¼" (8.25) | 4¼" (10.79) | J25 | **03305001** |
| .38"-.49" (.97-1.24) | 900 | 180 | 3¾" (9.52) | 7" (17.78) | J37 | **03305002** |
| .50"-.62" (1.27-1.57) | 1,300 | 260 | 4¼" (10.79) | 8½" (21.59) | J50 | **03305003** |
| .63"-.74" (1.60-1.88) | 1,950 | 390 | 5" (12.70) | 10" (25.40) | J62 | **03305004** |
| .75"-.99" (1.90-2.51) | 2,800 | 560 | 5¾" (14.60) | 10" (25.40) | J75 | **03305005** |
| 1.00"-1.24" (2.54-3.15) | 3,900 | 780 | 6½" (16.51) | 11½" (29.21) | J100 | **03305006** |
| Junior Grip Kit contains 6 grips, one of each size above, except 03305011. | | | | | | **033051114** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*
**Not included in Junior Grip Kit, 033051114.*
*See page W-18 for multiple cables in a single pulling grip.*

*Dimensions in Inches (mm)*

## Wire Rope Grips

Wire Rope Grips are made of high strength galvanized steel strand in a construction of triple, double and single weave for superior gripping ability. They are available with or without a rotating barrel which will help eliminate twist in the old rope from being transferred to the new rope.

**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Benefits

- High strength for secure pulling
- Easy installation
- Flexible to pass through sheaves and blocks

### Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.



### Regular Wire Rope Grips

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | Approx. Strength of Grip Feet (m) | Catalog Number |
|---|---|---|---|---|
| .56"-.62" (1.43-1.59) | 7,500 | 1,500 | 5.75 (1.75) | **03316001** |
| .75"-.88" (1.90-2.22) | 12,500 | 2,500 | 6.75 (1.90) | **03316002** |
| 1.00"-1.13" (2.54-2.86) | 16,000 | 3,200 | 7.00 (2.13) | **03316003** |
| 1.25"-1.38" (3.17-3.49) | 20,000 | 4,000 | 8.00 (2.44) | **03316004** |
| 1.38"-1.50" (3.49-3.81) | 20,000 | 4,000 | 8.00 (2.44) | **03316006** |



### Rotating Wire Rope Grips

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | Approx. Strength of Grip Feet (m) | Barrel Dimensions Length. x O.D. In. (cm) | Catalog Number |
|---|---|---|---|---|---|
| .44"-.50" (1.11-1.27) | 5,000 | 1,000 | 5.33 (1.63) | 3.00" (7.62) x .87" (2.21) | **03317001** |
| .56"-.63" (1.43-1.59) | 7,500 | 1,500 | 5.83 (1.78) | 4.25" (10.79) x 1.00" (2.54) | **03317002** |
| .75"-.88" (1.90-2.22) | 12,500 | 2,500 | 6.50 (1.98) | 4.25" (10.79) x 1.00" (2.54) | **03317003** |
| 1.00"-1.13" (2.54-2.86) | 16,000 | 3,200 | 8.67 (2.64) | 5.50" (13.97) x 1.37" (3.48) | **03317004** |
| 1.25"-1.38" (3.17-3.49) | 20,000 | 4,000 | 9.00 (2.74) | 5.50" (13.97) x 1.37" (3.48) | **03317005** |
| 1.50"-1.75" (3.81-4.44) | 20,000 | 4,000 | 11.00 (3.35) | 5.50" (13.97) x 1.37" (3.48) | **03317006** |

*Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page W-16 for end bands.*
*2. The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.*

*Dimensions in Inches (mm)*

## Cable Splicing Grips

Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-17 and W-18.*

### Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path

### Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement and can act as a shield to protect cables and hoses from abrasion.



### Double Weave Splicing Grips

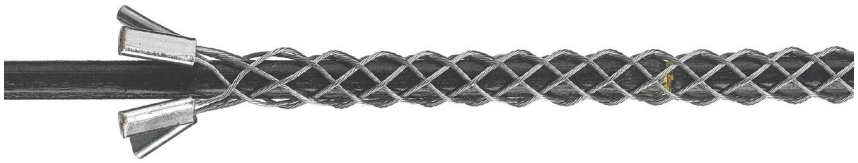
| Cable Diameter Range Inches (cm) | .37"-.49" (.94-1.24) | .50"-.61" (1.27-1.55) | .62"-.74" (1.57-1.88) | .75"-.99" (1.90-2.51) | 1.00"-1.49" (2.54-3.78) |
|---|---|---|---|---|---|
| Approx. Breaking Strength Lbs. | 3,500 | 3,500 | 4,400 | 7,500 | 10,000 |
| Mesh Length Inches (cm) | Catalog Number | | | | |
| 18" (45.72) | **013041330** | **01304064** | **01304009** | — | — |
| 24" (60.96) | — | **01304011** | **01304013** | **01304010** | **01304015** |
| 36" (91.44) | — | — | **013041234** | **01304054** | **01304055** |
| 48" (121.92) | — | — | — | **01304017** | **01304029** |
| 72" (182.88) | — | — | — | **01304037** | **013041333** |

## Junior Splicing Grips, Single Weave

Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

### Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path



### Junior Tube

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | Length @ Nom Diameter Inches (cm) | Catalog Number |
|---|---|---|---|---|
| .18"-.24" (.46-.61) | 400 | 80 | 7" (17.78) | **01301008** |
| .25"-.36" (.63-.91) | 400 | 80 | 8" (20.32) | **01301013** |

*Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page W-16 for end bands.*

*Dimensions in Inches (mm)*

## Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.






When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. In all cases two Punch-Lok® Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves. The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.


**20320054**


**20320048**


**20320047**

## Punch-Lok® Bands

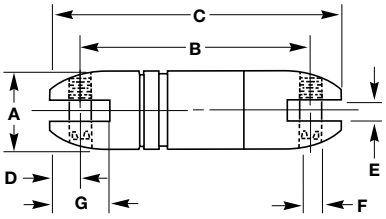
| Grip Banding Range Inches (cm) | Band Width Inches (cm) | Band Inside Diameter Inches (cm) | Model | Catalog Number |
|---|---|---|---|---|
| .25"-1.13" (.63-2.86) | .38" (.95) | 1.38" (3.49) | 0-311 | **20320050** |
| 1.13"-1.63" (2.86-4.13) | .38" (.95) | 2.00" (5.08) | 0-316 | **20320051** |
| 1.63"-2.25" (4.13-5.71) | .63" (1.59) | 2.50" (6.35) | 0-10 | **20320052** |
| 2.25"-3.50" (5.71-8.89) | .63" (1.59) | 4.00" (10.16) | 0-16 | **20320053** |
| 3.50"-5.00" (8.89-12.70) | .63" (1.59) | 6.00" (15.24) | 0-24 | **20320054** |

## Accessories

| Punch-Lok Tools | Catalog Number |
|---|---|
| P-1000 for use with .63" width Banding tool. | **20320048** |
| P-38 for use with .38" and .63" width Banding tool for tight spaces. | **20320047** |

## Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag. Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.





**20308001A**

## Stainless Steel Swivels

| Maximum Safe Working Load Lbs. (N) | Dimensions in Inches (cm) | | | | | | | Model | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | | |
| 2,250 (10,000) | .88" (2.22) | 2.50" (6.35) | 3.38" (8.57) | .44" (1.11) | .38" (0.95) | .31" (0.79) | .97" (2.46) | A-13L | **20308001A** |
| 5,000 (22,240) | 1.25" (3.17) | 3.69" (9.37) | 4.75" (12.06) | 1.22" (1.35) | 1.22" (1.35) | .41" (1.03) | 1.28" (3.25) | BB-13L | **20308002A** |
| 9,000 (40,030) | 1.50" (3.81) | 4.25" (10.79) | 5.63" (14.29) | .69" (1.75) | 1.28" (1.51) | .50" (1.27) | 1.56" (3.97) | B-13L | **20308003A** |
| 10,000 (44,480) | 1.63" (4.13) | 4.50" (11.43) | 6.00" (15.24) | .75" (1.90) | .69" (1.75) | .63" (1.59) | 1.72" (4.36) | C-13L | **20308004A** |
| 30,000 (133,440) | 2.38" (6.03) | 7.63" (19.37) | 10.00" (25.40) | 1.19" (3.02) | 1.03" (2.62) | .88" (2.22) | 2.78" (7.06) | D-13L | **20308005A** |

*Punch-Lok® is a registered trademark of Punch-Lok Inc.*

Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

**WARNING:** **It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.**

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.
Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.
Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength
The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.
Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.
Do not modify the grip in any way.
Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.
Pulling hardware should only be attached to the eye of the grip.
A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.
Do not run grips and swivels around sheaves or bull wheels while under tension. For synthetic rope, use Kellems Dua-Pull Grips only.

**IMPORTANT:**

**Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.**

## Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

**Step 1** Refer to the chart below to determine the style of grip best suited for your application.

**Step 2** Determine your cable outside diameter.

**Step 3** Find the grip size that encompasses your cable diameter.

**Step 4** Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page W-34 for safety and working load factors.

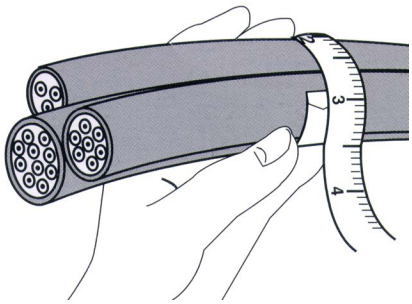
## Pulling Grip Selection Chart

| Grip Style | Application | Page Number |
|---|---|---|
| DUA-PULL®, flexible eye | Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope. | W-7 |
| Multiple strength, flexible eye | Normal overhead transmission and distribution line stringing for bare or insulated conductor. | W-8 |
| Multiple strength, rotating eye | Normal overhead transmission and distribution line stringing for bare or insulated conductor. | W-8 |
| K-type grip, rotating eye | Underground power cables and communication lines. Service lines into factories. | W-9 |
| T-type grip, flexible eye | Underground power cables and communication lines. Service lines into factories. | W-10 |
| Non-conductive, flexible eye | Pull insulated distribution cable into place. | W-11 |
| Slack pulling, closed mesh | Remove underground cable. For pulling slack in final placement of new cable when end of cable is available. | W-11 |
| Slack pulling, split mesh, | Remove underground cable. For pulling slack in final placement of new cable rawhide lace closing when end of cable is not available. | W-12 |
| Slack pulling, split mesh, | Remove underground cable. For pulling slack in final placement of new cable rod closing when end of cable is not available, with rod closing for quick installation. | W-12 |
| Light duty, flexible eye | Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs. | W-13 |
| Junior, flexible eye | Connect bundled insulated building wire to a pulling tape. Pull wire through conduit. | W-13 |
| Regular and rotating wire rope | Restring wire rope in cranes and oil rigs. | W-14 |
| Splicing | Temporary splice for cable or wire rope. | W-15 |
| Pulling Grip Accessories | Tools, bands, swivels. | W-16 |
| Fiber Optic Cable Pulling Grips | Pull fiber optic cable into place overhead, underground or through duct and conduit. | W-39 to W-43 |

## Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

**How to choose the correct grip size:**

1. Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
2. Divide the bundle circumference by 3.14 to determine the diameter.
3. Choose a grip offering a range of cable diameters the same as the cable diameter.



## For Pulling Grips*

**CAUTION:** When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

## For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

**Example:** Three cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

## Number of Cables in One Grip

| 2 | 3 | 4 | 5 | 6 and 7 | 8 | 9 | Grip Dia.Range Inches (cm) |
|---|---|---|---|---|---|---|---|
| .30-.38 (.76-.97) | .25-.31 (.63-.79) | .22-.27 (.56-.69) | .19-.24 (.48-.60) | .17-.22 (.43-.56) | .15-.19 (.38-.48) | .14-.18 (.36-.46) | .50-.61 (1.27-1.55) |
| .38-.44 (.97-1.12) | .31-.36 (.79-.91) | .27-.31 (.69-.79) | .24-.29 (.61-.74) | .22-.26 (.56-.66) | .19-.23 (.48-.58) | .18-.21 (.46-.53) | .62-.74 (1.57-1.88) |
| .44-.59 (1.12-1.50) | .36-.49 (.91-1.24) | .31-.42 (.79-1.07) | .29-.38 (.74-.97) | .26-.34 (.66-.86) | .23-.31 (.58-.79) | .21-.28 (.53-.71) | .75-.99 (1.90-2.51) |
| .59-.75 (1.50-1.90) | .49-.63 (1.24-1.60) | .42-.54 (1.07-1.37) | .38-.48 (.97-1.22) | .34-.43 (.86-1.09) | .31-.39 (.79-.99) | .28-.35 (.71-.89) | 1.00-1.24 (2.54-3.15) |
| .75-.90 (1.90-2.29) | .63-.76 (1.60-1.93) | .54-.65 (1.37-1.65) | .48-.58 (1.22-1.47) | .43-.52 (1.09-1.32) | .39-.46 (.99-1.17) | .35-.42 (.89-1.07) | 1.25-1.49 (3.17-3.78) |
| .90-1.07 (2.29-2.72) | .76-.89 (1.93-2.26) | .65-.77 (1.65-1.96) | .58-.67 (1.47-1.70) | .52-.60 (1.32-1.52) | .46-.54 (1.17-1.37) | .42-.49 (1.07-1.24) | 1.50-1.74 (3.81-4.42) |
| 1.07-1.22 (2.72-3.10) | .89-1.02 (2.26-2.59) | .77-.88 (1.96-2.24) | .67-.77 (1.70-1.96) | .60-.69 (1.52-1.75) | .54-.62 (1.37-1.57) | .49-.56 (1.24-1.42) | 1.75-1.99 (4.44-5.05) |
| 1.22-1.53 (3.10-3.89) | 1.02-1.28 (2.59-3.25) | .88-1.10 (2.24-2.79) | .77-.96 (1.96-2.44) | .69-.86 (1.75-2.18) | .62-.77 (1.57-1.96) | .56-.71 (1.42-1.80) | 2.00-2.49 (5.08-6.32) |
| 1.53-1.83 (3.89-4.65) | 1.28-1.53 (3.25-3.89) | 1.10-1.32 (2.79-3.35) | .96-1.16 (2.44-2.95) | .86-1.03 (2.18-2.62) | .77-.93 (1.96-2.36) | .71-.85 (1.80-2.16) | 2.50-2.99 (6.35-7.59) |
| 1.83-2.14 (4.65-5.44) | 1.53-1.79 (3.89-4.55) | 1.32-1.54 (3.35-3.91) | 1.16-1.35 (2.95-3.43) | 1.03-1.20 (2.62-3.05) | .93-1.08 (2.36-2.74) | .85-.99 (2.16-2.51) | 3.00-3.49 (7.62-8.86) |
| 2.14-2.44 (5.44-6.20) | 1.79-2.05 (4.55-5.21) | 1.54-1.76 (3.91-4.47) | 1.35-1.54 (3.43-3.91) | 1.20-1.37 (3.05-3.48) | 1.08-1.24 (2.74-3.15) | .99-1.13 (2.51-2.87) | 3.50-3.99 (8.89-10.13) |
| 2.44-2.75 (6.20-6.98) | 2.05-2.30 (5.21-5.84) | 1.76-1.98 (4.47-5.03) | 1.54-1.74 (3.91-4.42) | 1.37-1.55 (3.48-3.94) | 1.24-1.39 (3.15-3.53) | 1.13-1.27 (2.87-3.23) | 4.00-4.49 (10.16-11.40) |
| 2.75-3.06 (6.98-7.77) | 2.30-2.56 (5.84-6.50) | 1.98-2.20 (5.03-5.59) | 1.74-1.93 (4.42-4.90) | 1.55-1.72 (3.94-4.37) | 1.39-1.55 (3.53-3.94) | 1.27-1.41 (3.23-3.58) | 4.50-4.99 (11.43-12.67) |

*Note: *This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section. It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page W-16 for end bands.*

## Features and Benefits

### Kellems® Support Grips

They are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction.

Kellems support grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 series stainless are for severe service or unusual environmental conditions. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments available upon request; contact the factory.






**Mesh Grip**

- The positive action mesh grip is designed for light duty up to heavy duty; closed grips fit over the cable end, split grips wrap around the cable mid-span
- The endless weave provides easy installation onto cable and can be easily repositioned



**Eye Styles**

- Four eye styles available: single (shown), double, universal and offset
- Solid eye assemblies provide eye reinforcement at support hardware
- Each Kellems grip is designed to work on a specific range of cable diameters




**Cable Identification**

- Identification tag shows: catalog number, diameter range, agency approval and bar code
- The strand equalizer positions wires for equal loading throughout the entire grip length



**Strand Equalizer**

- Positions wires for equal loading throughout the entire grip length

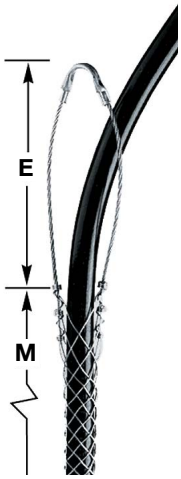
## Standard Duty Support Grips

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

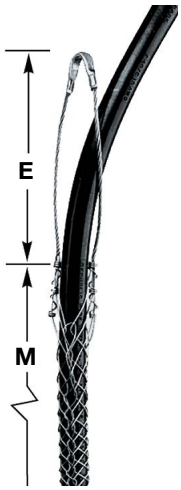
### Single Eye, Closed Mesh




For permanent support when cable end is available to be installed through grip.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | 1,370 | 53 | 137 | 7" (17.78) | 10" (25.40) | **02201013** | **02401013** |
| .63"-.74" (1.60-1.88) | 790 | 2,060 | 79 | 206 | 8" (20.32) | 10" (25.40) | **02201014** | **02401014** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,060 | 102 | 206 | 8" (20.32) | 13" (33.02) | **02201015** | **02401015** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,678 | 161 | 268 | 9" (22.86) | 14" (35.56) | **02201017** | **02401017** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,490 | 161 | 449 | 10" (25.40) | 15" (38.10) | **02201018** | **02401018** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 4,492 | 161 | 449 | 12" (30.48) | 17" (43.18) | **02201019** | **02401019** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | 5,000 | 215 | 500 | 14" (35.56) | 19" (48.26) | **02201020** | **02401020** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | 8,940 | 326 | 894 | 16" (40.64) | 21" (53.34) | **02201021** | **02401021** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | 8,947 | 326 | 895 | 18" (45.72) | 23" (58.42) | **02201022** | **02401022** |
| 3.00"-3.49" (7.62-8.86) | 4,900 | 13,420 | 490 | 1,342 | 21" (53.34) | 25" (63.50) | **02201023** | **02401023** |
| 3.50"-3.99" (8.89-10.13) | 4,900 | — | 490 | — | 24" (60.96) | 27" (68.58) | **02201024** | **—** |

### Single Eye, Split Mesh, Lace Closing




For permanent support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | 1,370 | 53 | 137 | 7" (17.78) | 10" (25.40) | **02202013** | **02402013** |
| .63"-.74" (1.60-1.88) | 790 | 2,066 | 79 | 207 | 8" (20.32) | 10" (25.40) | **02202014** | **02402014** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,060 | 102 | 206 | 8" (20.32) | 13" (33.02) | **02202015** | **02402015** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,670 | 161 | 267 | 9" (22.86) | 14" (35.56) | **02202017** | **02402017** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,490 | 161 | 449 | 10" (25.40) | 15" (38.10) | **02202018** | **02402018** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 4,490 | 161 | 449 | 12" (30.48) | 17" (43.18) | **02202019** | **02402019** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | 4,375 | 215 | 437 | 14" (35.56) | 19" (48.26) | **02202020** | **02402020** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | 8,947 | 326 | 895 | 16" (40.64) | 21" (53.34) | **02202021** | **02402021** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | 8,940 | 326 | 894 | 18" (45.72) | 23" (58.42) | **02202022** | **02402022** |
| 3.00"-3.49" (7.62-8.86) | 4,900 | 13,420 | 490 | 1,342 | 21" (53.34) | 25" (63.50) | **02202023** | **02402023** |
| 3.50"-3.99" (8.89-10.13) | 4,900 | 13,420 | 490 | 1,342 | 24" (60.96) | 27" (68.58) | **02202024** | **02402024** |

### Single Eye, Split Mesh, Rod Closing




For support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 790 | 1,050 | 79 | 105 | 7" (17.78) | 8.5" (21.59) | **02203013** | **02403013** |
| .63"-.74" (1.60-1.88) | 790 | 2,050 | 79 | 205 | 8" (20.32) | 8.5" (21.59) | **02203014** | **02403014** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,050 | 102 | 205 | 8" (20.32) | 10.5" (26.67) | **02203015** | **02403015** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,650 | 161 | 265 | 9" (22.86) | 12.5" (31.75) | **02203017** | **02403017** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,500 | 161 | 450 | 10" (25.40) | 14.5" (36.83) | **02203018** | **02403018** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 4,500 | 161 | 450 | 12" (30.48) | 15.5" (39.37) | **02203019** | **02403019** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | 6,000 | 215 | 600 | 14" (35.56) | 16.5" (41.91) | **02203020** | **02403020** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | 8,950 | 326 | 895 | 16" (40.64) | 19.5" (49.53) | **02203021** | **02403021** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | 7,750 | 326 | 775 | 18" (45.72) | 21.5" (54.61) | **02203022** | **02403022** |
| 3.00"-3.49" (7.62-8.86) | 5,750 | 8,500 | 575 | 850 | 21" (53.34) | 23.5" (59.69) | **02203023** | **02403023** |
| 3.50"-3.99" (8.89-10.13) | 5,750 | — | 575 | — | 24" (60.96) | 25.5" (64.77) | **02203024** | **—** |

*Dimensions in Inches (mm)*

*Note: E-Eye length. M-Mesh length at nominal diameter.*

## Standard Duty Support Grips

Double Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

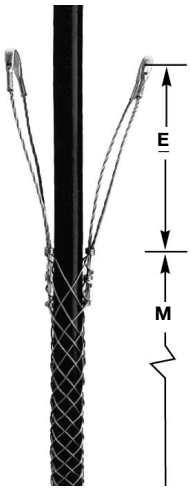
**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

### Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

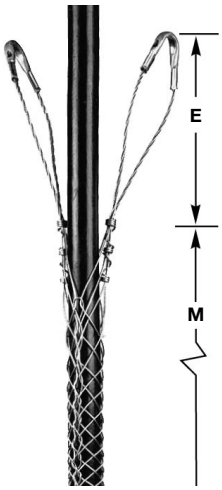
| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | 1,370 | 53 | 137 | 4" (10.16) | 10" (25.40) | **02201001** | **02401001** |
| .63"-.74" (1.60-1.88) | 790 | 2,060 | 79 | 206 | 4" (10.16) | 10" (25.40) | **02201002** | **02401002** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,060 | 102 | 206 | 4" (10.16) | 13" (33.02) | **02201003** | **02401003** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,670 | 161 | 267 | 5" (12.70) | 14" (35.56) | **02201005** | **02401005** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,490 | 161 | 449 | 5" (12.70) | 15" (38.10) | **02201006** | **02401006** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 4,490 | 161 | 449 | 5" (12.70) | 17" (43.18) | **02201007** | **02401007** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | 5,000 | 215 | 500 | 6" (15.24) | 19" (48.26) | **02201008** | **02401008** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | 8,940 | 326 | 894 | 6" (15.24) | 21" (53.34) | **02201009** | **02401009** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | 8,940 | 326 | 894 | 6" (15.24) | 23" (58.42) | **02201010** | **02401010** |
| 3.00"-3.49" (7.62-8.86) | 4,900 | 12,000 | 490 | 1,200 | 8" (20.32) | 25" (63.50) | **02201011** | **02401011** |
| 3.50"-3.99" (8.89-10.13) | 4,900 | 12,000 | 490 | 1,200 | 8" (20.32) | 27" (68.58) | **02201012** | **02401012** |




### Double Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | — | 53 | — | 4" (10.16) | 10" (25.40) | **02202001** | **—** |
| .63"-.74" (1.60-1.88) | 790 | 2,066 | 79 | 207 | 4" (10.16) | 10" (25.40) | **02202002** | **02402002** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,060 | 102 | 206 | 4" (10.16) | 13" (33.02) | **02202003** | **02402003** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,678 | 161 | 268 | 5" (12.70) | 14" (35.56) | **02202005** | **02402005** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,490 | 161 | 449 | 5" (12.70) | 15" (38.10) | **02202006** | **02402006** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 3,750 | 161 | 375 | 5" (12.70) | 17" (43.18) | **02202007** | **02402007** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | 5,000 | 215 | 500 | 6" (15.24) | 19" (48.26) | **02202008** | **02402008** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | 8,940 | 326 | 894 | 6" (15.24) | 21" (53.34) | **02202009** | **02402009** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | — | 326 | — | 6" (15.24) | 23" (58.42) | **02202010** | **—** |
| 3.00"-3.49" (7.62-8.86) | 4,900 | — | 490 | — | 8" (20.32) | 25" (63.50) | **02202011** | **—** |
| 3.50"-3.99" (8.89-10.13) | 4,900 | — | 490 | — | 8" (20.32) | 27" (68.58) | **02202012** | **—** |

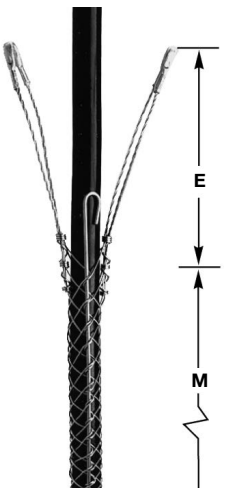



### Double Eye, Split Mesh, Rod Closing

For support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 790 | — | 79 | — | 4" (10.16) | 6.5" | **02203001** | **—** |
| .63"-.74" (1.60-1.88) | 790 | 2,050 | 79 | 205 | 4" (10.16) | 8.5" (21.59) | **02203002** | **02403002** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,050 | 102 | 205 | 4" (10.16) | 10.5" (26.67) | **02203003** | **02403003** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,650 | 161 | 265 | 5" (12.70) | 12.5" (31.75) | **02203005** | **02403005** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 3,750 | 161 | 375 | 5" (12.70) | 14.5" (36.83) | **02203006** | **02403006** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 3,750 | 161 | 375 | 5" (12.70) | 15.5" (39.37) | **02203007** | **02403007** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | 5,000 | 215 | 215 | 6" (15.24) | 16.5" (41.91) | **02203008** | **02403008** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | 8,950 | 326 | 326 | 6" (15.24) | 19.5" (49.53) | **02203009** | **02403009** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | 8,950 | 326 | 326 | 6" (15.24) | 21.5" (54.61) | **02203010** | **02403010** |
| 3.00"-3.49" (7.62-8.86) | 5,750 | 11,150 | 575 | 1,115 | 8" (20.32) | 23.5" (59.69) | **02203011** | **02403011** |
| 3.50"-3.99" (8.89-10.13) | 5,750 | — | 575 | — | 8" (20.32) | 25.5" (64.77) | **02203012** | **—** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*




*Dimensions in Inches (mm)*

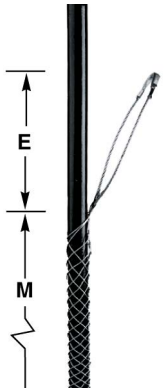
## Standard Duty Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

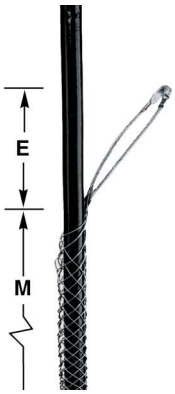
### Offset Eye, Closed Mesh




For permanent support when cable end is available to be installed through grip.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | 1,370 | 53 | 137 | 4" (10.16) | 10" (25.40) | **02201037** | **02401037** |
| .63"-.74" (1.60-1.88) | 750 | 1,950 | 75 | 195 | 4" (10.16) | 10" (25.40) | **02201038** | **02401038** |
| .75"-.99" (1.90-2.51) | 950 | 2,060 | 95 | 206 | 4" (10.16) | 13" (33.02) | **02201039** | **02401039** |
| 1.00"-1.24" (2.54-3.15) | 1,500 | 2,678 | 150 | 268 | 5" (12.70) | 14" (35.56) | **02201041** | **02401041** |
| 1.25"-1.49" (3.17-3.78) | 1,500 | 4,490 | 150 | 449 | 5" (12.70) | 15" (38.10) | **02201042** | **02401042** |
| 1.50"-1.74" (3.81-4.42) | 1,500 | 3,700 | 150 | 370 | 5" (12.70) | 17" (43.18) | **02201043** | **02401043** |
| 1.75"-1.99" (4.44-5.05) | 2,000 | 4,375 | 200 | 437 | 6" (15.24) | 19" (48.26) | **02201044** | **02401044** |
| 2.00"-2.49" (5.08-6.32) | 3,100 | 5,500 | 310 | 550 | 9" (22.86) | 21" (53.34) | **02201045** | **02401045** |
| 2.50"-2.99" (6.35-7.59) | 3,100 | — | 310 | — | 9" (22.86) | 23" (58.42) | **02201046** | **—** |
| 3.00"-3.49" (7.62-8.86) | 3,800 | — | 380 | — | 11" (27.94) | 25" (63.50) | **02201047** | **—** |
| 3.50"-3.99" (8.89-10.13) | 3,250 | — | 325 | — | 11" (27.94) | 27" (68.58) | **02201048** | **—** |

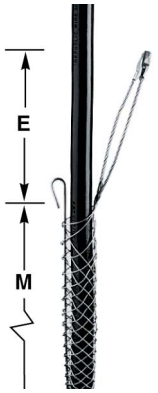
### Offset Eye, Split Mesh, Lace Closing




For permanent support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 500 | — | 50 | — | 4" (10.16) | 10" (25.40) | **02202037** | **—** |
| .63"-.74" (1.60-1.88) | 750 | 1,952 | 75 | 195 | 4" (10.16) | 10" (25.40) | **02202038** | **02402038** |
| .75"-.99" (1.90-2.51) | 950 | — | 95 | — | 4" (10.16) | 13" (33.02) | **02202039** | **—** |
| 1.00"-1.24" (2.54-3.15) | 1,500 | — | 150 | — | 5" (12.70) | 14" (35.56) | **02202041** | **—** |
| 1.25"-1.49" (3.17-3.78) | 1,500 | 4,490 | 150 | 449 | 5" (12.70) | 15" (38.10) | **02202042** | **02402042** |
| 1.50"-1.74" (3.81-4.42) | 1,500 | — | 150 | — | 5" (12.70) | 17" (43.18) | **02202043** | **—** |
| 1.75"-1.99" (4.44-5.05) | 1,800 | 4,375 | 180 | 437 | 6" (15.24) | 19" (48.26) | **02202044** | **02402044** |
| 2.00"-2.49" (5.08-6.32) | 2,150 | 5,500 | 215 | 550 | 9" (22.86) | 21" (53.34) | **02202045** | **02402045** |
| 2.50"-2.99" (6.35-7.59) | 2,150 | 5,500 | 215 | 550 | 9" (22.86) | 23" (58.42) | **02202046** | **02402046** |
| 3.00"-3.49" (7.62-8.86) | 3,250 | 10,190 | 325 | 1,019 | 11" (27.94) | 25" (63.50) | **02202047** | **02402047** |
| 3.50"-3.99" (8.89-10.13) | 3,250 | — | 325 | — | 11" (27.94) | 27" (68.58) | **02202048** | **—** |

### Offset Eye, Split Mesh, Rod Closing




For support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 500 | 1,000 | 50 | 100 | 4" (10.16) | 7" (17.78) | **02203037** | **02403037** |
| .63"-.74" (1.60-1.88) | 750 | 1,950 | 75 | 195 | 4" (10.16) | 9" (22.86) | **02203038** | **02403038** |
| .75"-.99" (1.90-2.51) | 950 | 1,950 | 95 | 195 | 4" (10.16) | 10" (25.40) | **02203039** | **02403039** |
| 1.00"-1.24" (2.54-3.15) | 1,500 | 2,500 | 150 | 250 | 5" (12.70) | 12" (30.48) | **02203041** | **02403041** |
| 1.25"-1.49" (3.17-3.78) | 1,500 | 4,200 | 150 | 420 | 5" (12.70) | 14" (35.56) | **02203042** | **02403042** |
| 1.50"-1.74" (3.81-4.42) | 1,500 | 4,500 | 150 | 450 | 5" (12.70) | 15" (38.10) | **02203043** | **02403043** |
| 1.75"-1.99" (4.44-5.05) | 2,000 | 4,375 | 200 | 437 | 6" (15.24) | 16" (40.64) | **02203044** | **02403044** |
| 2.00"-2.49" (5.08-6.32) | 3,100 | 8,350 | 310 | 835 | 9" (22.86) | 19" (48.26) | **02203045** | **02403045** |
| 2.50"-2.99" (6.35-7.59) | 3,100 | — | 310 | — | 9" (22.86) | 20" (50.80) | **02203046** | **—** |
| 3.00"-3.49" (7.62-8.86) | 4,300 | 8,400 | 430 | 840 | 11" (27.94) | 21" (53.34) | **02203047** | **02403047** |
| 3.50"-3.99" (8.89-10.13) | 4,900 | — | 490 | — | 11" (27.94) | 21" (53.34) | **02203048** | **—** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*

*Dimensions in Inches (mm)*

## Standard Duty Support Grips

Universal Eye, Single Weave, Tin-Coated Bronze and Stainless Steel.

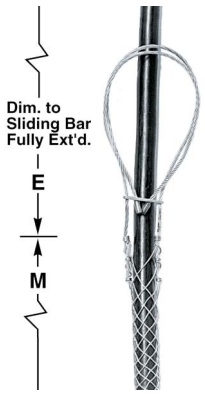
**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

### Universal Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | 1,370 | 53 | 137 | 18" (45.72 | 10" (25.40) | **02201051** | **02401051** |
| .63"-.74" (1.60-1.88) | 790 | 2,060 | 79 | 206 | 18" (45.72) | 10" (25.40) | **02201052** | **02401052** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,066 | 102 | 207 | 18" (45.72) | 13" (33.02) | **02201053** | **02401053** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | — | 161 | — | 18" (45.72) | 14" (35.56) | **02201050** | **—** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,490 | 161 | 449 | 18" (45.72) | 15" (38.10) | **02201054** | **02401054** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 4,490 | 161 | 449 | 18" (45.72) | 17" (43.18) | **02201055** | **02401055** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | — | 215 | — | 18" (45.72) | 19" (48.26) | **02201056** | **—** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | — | 326 | — | 18" (45.72) | 21" (53.34) | **02201057** | **—** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | — | 326 | — | 18" (45.72) | 23" (58.42) | **02201058** | **—** |




### Universal Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 530 | — | 53 | — | 18" (45.72 | 10" (25.40) | **02202050** | **—** |
| .63"-.74" (1.60-1.88) | 790 | 2,060 | 79 | 206 | 18" (45.72) | 10" (25.40) | **02202051** | **02402051** |
| .75"-.99" (1.90-2.51) | 1,020 | — | 102 | — | 18" (45.72) | 13" (33.02) | **02202052** | **—** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | — | 161 | — | 18" (45.72) | 14" (35.56) | **02202054** | **—** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | — | 161 | — | 18" (45.72) | 15" (38.10) | **02202055** | **—** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | — | 161 | — | 18" (45.72) | 17" (43.18) | **02202056** | **—** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | — | 215 | — | 18" (45.72) | 19" (48.26) | **02202057** | **—** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | — | 326 | — | 18" (45.72) | 21" (53.34) | **02202058** | **—** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | — | 326 | — | 18" (45.72) | 23" (58.42) | **02202059** | **—** |
| 3.50"-3.99" (8.89-10.13) | 4,900 | — | 490 | — | 18" (45.72) | 27" (68.58) | **02202061** | **—** |




### Universal Eye, Split Mesh, Rod Closing

For support when cable end is not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 790 | — | 79 | — | 18" (45.72 | 8.5" (21.59) | **02203064** | **—** |
| .63"-.74" (1.60-1.88) | 790 | 2,050 | 79 | 205 | 18" (45.72) | 8.5" (21.59) | **02203065** | **02403065** |
| .75"-.99" (1.90-2.51) | 1,020 | 2,050 | 102 | 205 | 18" (45.72) | 10.5" (26.67) | **02203066** | **02403066** |
| 1.00"-1.24" (2.54-3.15) | 1,610 | 2,650 | 161 | 265 | 18" (45.72) | 12.5" (31.75) | **02203068** | **02403068** |
| 1.25"-1.49" (3.17-3.78) | 1,610 | 4,500 | 161 | 450 | 18" (45.72) | 14.5" (36.83) | **02203069** | **02403069** |
| 1.50"-1.74" (3.81-4.42) | 1,610 | 4,500 | 161 | 450 | 18" (45.72) | 15.5" (39.37) | **02203070** | **02403070** |
| 1.75"-1.99" (4.44-5.05) | 2,150 | — | 215 | — | 18" (45.72) | 16.5" (41.91) | **02203071** | **—** |
| 2.00"-2.49" (5.08-6.32) | 3,260 | — | 326 | — | 18" (45.72) | 19.5" (49.53) | **02203072** | **—** |
| 2.50"-2.99" (6.35-7.59) | 3,260 | — | 326 | — | 18" (45.72) | 21.5" (54.61) | **02203073** | **—** |
| 3.00"-3.49" (7.62-8.86) | 5,750 | — | 575 | — | 18" (45.72) | 23.5" (59.69) | **02203074** | **—** |




*Note: E-Eye length. M-Mesh length at nominal diameter.*

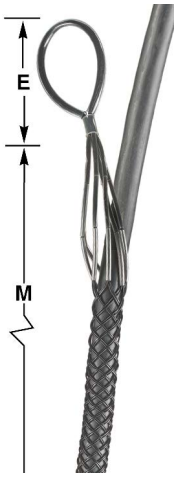
*Dimensions in Inches (mm)*

## Non-Metallic Support Grips

Single Eye, Double Weave, Non-Metallic Aramid Fiber.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*




### Kellems® Non-Metallic Support Grips

Kellems® Non-Metallic Support Grips, made of a high strength double weave aramid fiber, are available for supporting cable in corrosive environments.

### Non-Metallic Support Grips, Single Eye, Closed Mesh

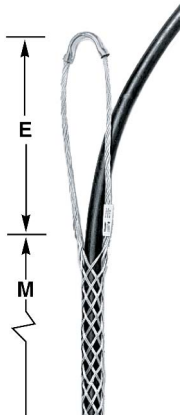
For permanent support when cable end is available to be installed through grip.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Color Code | Catalog Number |
|---|---|---|---|---|---|---|
| .50"-.62" (1.27-1.57) | 1,000 | 100 | 6.0" (15.24) | 22" (55.88) | Green | **02601001** |
| .63"-.74" (1.60-1.88) | 2,000 | 200 | 6.0" (15.24) | 24" (60.96) | Yellow | **02601002** |
| .75"-.99" (1.90-2.51) | 2,000 | 200 | 6.0" (15.24) | 28.5" (72.39) | Red | **02601003** |
| 1.00"-1.24" (2.54-3.15) | 3,000 | 300 | 6.0" (15.24) | 31" (78.74) | Blue | **02601004** |
| 1.25"-1.49" (3.17-3.78) | 3,000 | 300 | 6.0" (15.24) | 36.5" (92.71) | White | **02601005** |
| 1.50"-1.99" (3.81-5.05) | 3,000 | 300 | 6.0" (15.24) | 40" (101.60) | Pink | **02601006** |

*Note: Specified for corrosive applications.*

## Heavy Duty Support Grips

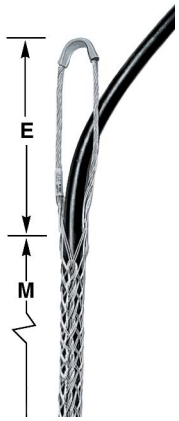
Single Eye, Double Weave, Tin-Coated Bronze and Stainless Steel




### Heavy Duty, Single Eye, Closed Mesh

For heavy duty permanent support when cable end is available to be installed through grip.

| | Approx. Breaking Strength Lbs. | | Working Load Lbs. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cable Diameter Range Inches (cm) | Tin-Coated Bronze | Stainless Steel | Tin-Coated Bronze | Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
| .75"-.99" (1.90-2.51) | 2,820 | 4,200 | 282 | 420 | 10" (25.40) | 25" (63.50) | **02206010** | **02406010** |
| 1.00"-1.24" (2.54-3.15) | 4,280 | 7,300 | 428 | 730 | 12" (30.48) | 28" (71.12) | **02206011** | **02406011** |
| 1.25"-1.49" (3.17-3.78) | 4,280 | 7,300 | 428 | 730 | 12" (30.48) | 30" (76.20) | **02206012** | **02406012** |
| 1.50"-1.99" (3.81-5.05) | 4,280 | 11,150 | 428 | 1,115 | 12" (30.48) | 34" (86.36) | **02206013** | **02406013** |




### Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available to be installed through grip.

| | Approx. Breaking Strength Lbs. (N) | | Working Load Lbs. | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cable Diameter Range Inches (cm) | Tin-Coated Bronze | Stainless Steel | Tin-Coated Bronze | Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
| .75"-.99" (1.90-2.51) | 2,820 | 4,200 | 282 | 420 | 10" (25.40) | 25" (63.50) | **02207010** | **02407010** |
| 1.00"-1.24" (2.54-3.15) | 4,280 | 7,300 | 428 | 730 | 12" (30.48) | 28" (71.12) | **02207011** | **02407011** |
| 1.25"-1.49" (3.17-3.78) | 4,280 | 7,300 | 428 | 730 | 12" (30.48) | 30" (76.20) | **02207012** | **02407012** |
| 1.50"-1.99" (3.81-5.05) | 4,280 | 11,150 | 428 | 1,115 | 12" (30.48) | 34" (86.36) | **02207013** | **02407013** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*

*Dimensions in Inches (mm)*

## Heavy Duty Support Grips

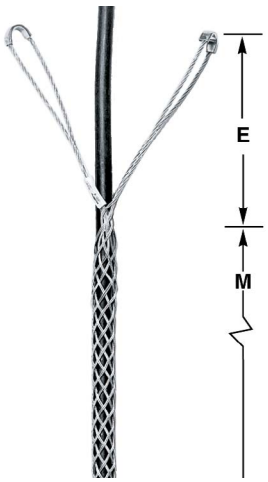
Double Eye, Double Weave, Tin-Coated Bronze and Stainless Steel.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

### Double Eye, Closed Mesh

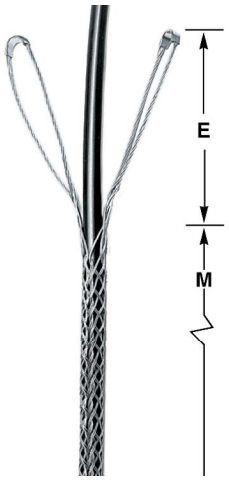
For permanent support when cable end is available to be installed through grip.




| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .75"-.99" (1.90-2.51) | 2,820 | 4,250 | 282 | 425 | 10" (25.40) | 25" (63.50) | **02206001** | **02406001** |
| 1.00"-1.24" (2.54-3.15) | 4,280 | 7,300 | 428 | 730 | 10" (25.40) | 28" (71.12) | **02206002** | **02406002** |
| 1.25"-1.49" (3.17-3.78) | 4,280 | 7,300 | 428 | 730 | 10" (25.40) | 30" (76.20) | **02206003** | **02406003** |
| 1.50"-1.99" (3.81-5.05) | 4,280 | 11,100 | 428 | 1,110 | 10" (25.40) | 34" (86.36) | **02206004** | **02406004** |
| 2.00"-2.49" (5.08-6.32) | 8,050 | 20,100 | 805 | 2,010 | 12" (30.48) | 36" (91.44) | **02206005** | **02406005** |
| 2.50"-2.99" (6.35-7.59) | 8,050 | 20,100 | 805 | 2,010 | 12" (30.48) | 38" (96.52) | **02206006** | **02406006** |
| 3.00"-3.49" (7.62-8.86) | 10,060 | 25,200 | 1,006 | 2,520 | 12" (30.48) | 40" (101.60) | **02206007** | **02406007** |
| 3.50"-3.99" (8.89-10.13) | 12,070 | — | 1,207 | — | 12" (30.48) | 44" (111.76) | **02206008** | **—** |
| 4.00"-4.49" (10.16-11.40) | 12,070 | — | 1,207 | — | 12" (30.48) | 46" (116.84) | **02206009** | **—** |
| 4.50"-4.99" (11.43-12.67) | 12,070 | — | 1,207 | — | 12" (30.48) | 68" (172.72) | **02208009** | **—** |

### Double Eye, Split Mesh, Lace Closing

For support when cable end is not available.




| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. (N) Tin-Coated Bronze | Approx. Breaking Strength Lbs. (N) Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .75"-.99" (1.90-2.51) | 2,820 | 4,250 | 282 | 425 | 10" (25.40) | 25" (63.50) | **02207001** | **02407001** |
| 1.00"-1.24" (2.54-3.15) | 4,280 | 7,300 | 428 | 730 | 10" (25.40) | 28" (71.12) | **02207002** | **02407002** |
| 1.25"-1.49" (3.17-3.78) | 4,280 | 7,300 | 428 | 730 | 10" (25.40) | 30" (76.20) | **02207003** | **02407003** |
| 1.50"-1.99" (3.81-5.05) | 4,280 | 11,150 | 428 | 1,110 | 10" (25.40) | 34" (86.36) | **02207004** | **02407004** |
| 2.00"-2.49" (5.08-6.32) | 8,050 | 20,150 | 805 | 2,010 | 12" (30.48) | 36" (91.44) | **02207005** | **02407005** |
| 2.50"-2.99" (6.35-7.59) | 8,050 | 20,150 | 805 | 2,010 | 12" (30.48) | 38" (96.52) | **02207006** | **02407006** |
| 3.00"-3.49" (7.62-8.86) | 10,060 | 25,200 | 1,006 | 2,520 | 12" (30.48) | 40" (101.60) | **02207007** | **02407007** |
| 3.50"-3.99" (8.89-10.13) | 12,070 | 30,200 | 1,207 | 3,020 | 12" (30.48) | 44" (111.76) | **02207008** | **02407008** |
| 4.00"-4.49" (10.16-11.40) | 12,070 | 30,200 | 1,207 | 3,020 | 12" (30.48) | 46" (116.84) | **02207009** | **02407009** |
| 4.50"-4.99" (11.43-12.67) | 12,070 | — | 1,207 | — | 12" (30.48) | 68" (172.72) | **02209009** | **—** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*

*Dimensions in Inches (mm)*

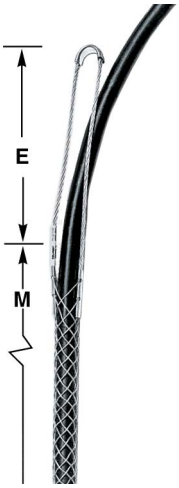
## Service Drop Grips

Single Eye, Tin-Coated Bronze and Stainless Steel.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

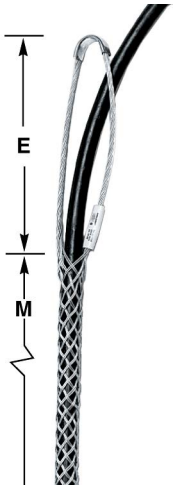
### Light Duty, Single Eye, Closed Mesh, Single Weave




For permanent support when cable end is available to be installed.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .23"-.31" (.58-.79) | 290 | 700 | 29 | 70 | 3" (7.62) | 3.75" (9.52) | **02216001** | **02416001** |
| .29"-.37" (.74-.94) | 290 | 700 | 29 | 70 | 5" (12.70) | 4.25" (10.79) | **02216002** | **02416002** |
| .35"-.44" (.89-1.12) | 500 | 850 | 50 | 85 | 5.5" (13.97) | 4.75" (12.06) | **02216003** | **02416003** |
| .41"-.50" (1.04-1.27) | 500 | 850 | 50 | 85 | 5.5" (13.97) | 5" (12.70) | **02216004** | **02416004** |
| .46"-.56" (1.17-1.42) | 660 | 850 | 66 | 85 | 6" (15.24) | 5.25" (13.33) | **02216005** | **02416005** |
| .52"-.62" (1.32-1.57) | 790 | 1,050 | 79 | 105 | 7" (17.78) | 6.25" (15.87) | **02216006** | **02416006** |
| .58"-.68" (1.47-1.73) | 790 | 1,050 | 79 | 105 | 7" (17.78) | 6¼ " (16.51) | **02216007** | **02416007** |
| .64"-.75" (1.63-1.90) | 790 | 1,050 | 79 | 105 | 7" (17.78) | 6.75" (17.14) | **02216008** | **02416008** |
| .70"-.81" (1.78-2.06) | 790 | 2,050 | 79 | 205 | 7" (17.78) | 7.25" (18.41) | **02216009** | **02416009** |
| .75"-.87" (1.90-2.21) | 1,020 | 2,050 | 102 | 205 | 8" (20.32) | 8" (20.32) | **02216010** | **02416010** |
| .81"-.94" (2.06-2.39) | 1,020 | 2,050 | 102 | 205 | 8" (20.32) | 8.25" (20.95) | **02216011** | **02416011** |
| .87"-1.00" (2.21-2.54) | 1,020 | — | 102 | — | 8" (20.32) | 8.75" (22.22) | **02216012** | **—** |
| .94"-1.06" (2.39-2.69) | 1,020 | 2,050 | 102 | 205 | 9" (22.86) | 9" (22.86) | **02216013** | **02416013** |
| 1.00"-1.18" (2.54-3.00) | 1,020 | 2,050 | 102 | 205 | 9" (22.86) | 9.5" (24.13) | **02216014** | **02416014** |
| 1.06"-1.25" (2.69-3.17) | 1,020 | 2,050 | 102 | 205 | 9" (22.86) | 9.5" (24.13) | **02216015** | **02416015** |

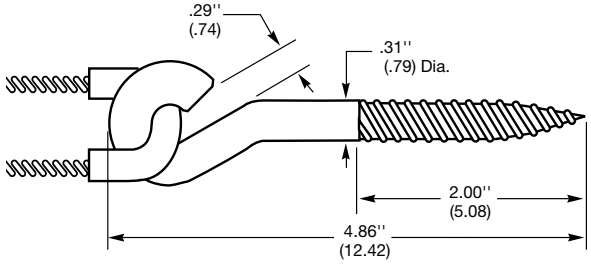
### Heavy Duty, Single Eye, Closed Mesh, Multi-Weave




For permanent support when cable end is available to be installed.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. Tin-Coated Bronze | Approx. Breaking Strength Lbs. Stainless Steel | Working Load Lbs. Tin-Coated Bronze | Working Load Lbs. Stainless Steel | E Inches (cm) | M Inches (cm) | Tin-Coated Bronze | Stainless Steel |
|---|---|---|---|---|---|---|---|---|
| .23"-.31" (.58-.79) | 500 | 1,400 | 50 | 140 | 5" (12.70) | 4.5" (11.43) | **02217001** | **02417001** |
| .29"-.37" (.74-.94) | 500 | 1,150 | 50 | 115 | 5" (12.70) | 5.5" (13.97) | **02217002** | **02417002** |
| .35"-.44" (.89-1.12) | 870 | 1,700 | 87 | 170 | 6" (15.24) | 6.5" (16.51) | **02217003** | **02417003** |
| .41"-.50" (1.04-1.27) | 870 | 1,700 | 87 | 170 | 6" (15.24) | 7.5" (19.05) | **02217004** | **02417004** |
| .46"-.56" (1.17-1.42) | 1,050 | 2,100 | 105 | 210 | 6" (15.24) | 8" (20.32) | **02217005** | **02417005** |
| .52"-.62" (1.32-1.57) | 1,050 | 2,100 | 105 | 210 | 7" (17.78) | 8.5" (21.59) | **02217006** | **02417006** |
| .58"-.68" (1.47-1.73) | 1,050 | 2,100 | 105 | 210 | 7" (17.78) | 9.5" (24.13) | **02217007** | **02417007** |
| .64"-.75" (1.63-1.90) | 1,390 | 4,161 | 139 | 416 | 7" (17.78) | 9.5" (24.13) | **02217008** | **02417008** |
| .70"-.81" (1.78-2.06) | 1,390 | 4,100 | 139 | 410 | 8" (20.32) | 10.5" (26.67) | **02217009** | **02417009** |
| .75"-.87" (1.90-2.21) | 1,390 | — | 139 | — | 8" (20.32) | 10.5" (26.67) | **02217010** | **—** |
| .81"-.94" (2.06-2.39) | 1,390 | — | 139 | — | 8" (20.32) | 10.5" (26.67) | **02217011** | **—** |
| .87"-1.00" (2.21-2.54) | 1,790 | 5,350 | 179 | 535 | 8" (20.32) | 11.5" (29.21) | **02217012** | **02417012** |
| .94"-1.06" (2.39-2.69) | 1,790 | 5,300 | 179 | 530 | 9" (22.86) | 12.5" (31.75) | **02217013** | **02417013** |
| 1.00"-1.18" (2.54-3.00) | 1,790 | 5,300 | 179 | 530 | 9" (22.86) | 13.5" (34.29) | **02217014** | **02417014** |
| 1.06"-1.25" (2.69-3.17) | 1,790 | 5,350 | 179 | 535 | 9" (22.86) | 14.5" (36.83) | **02217015** | **02417015** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*




Screw Hook
Catalog Number **20303001**
Yield Strength 900 lbs (4003 N)

*Dimensions in Inches (mm)*

## Service Drop Grips

Universal Eye, Tin-Coated Bronze.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*

### Light Duty, Universal Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .23"-.31" (.58-.79) | 290 | 29 | 9" (22.86) | 3.75" (9.52) | **02216016** |
| .29"-.37" (.74-.94) | 290 | 29 | 10" (25.40) | 4.25" (10.79) | **02216017** |
| .35"-.44" (.89-1.12) | 500 | 50 | 10" (25.40) | 4.75" (12.06) | **02216018** |
| .41"-.50" (1.04-1.27) | 500 | 50 | 11" (27.94) | 5" (12.70) | **02216019** |
| .46"-.56" (1.17-1.42) | 660 | 66 | 12" (30.48) | 5.25" (13.33) | **02216020** |
| .52"-.62" (1.32-1.57) | 790 | 79 | 13" (33.02) | 6.25" (15.87) | **02216021** |
| .58"-.68" (1.47-1.73) | 790 | 79 | 13" (33.02) | 6.5" (16.51) | **02216022** |
| .64"-.75" (1.63-1.90) | 790 | 79 | 13" (33.02) | 6.75" (17.14) | **02216023** |
| .70"-.81" (1.78-2.06) | 790 | 79 | 13" (33.02) | 7.25" (18.41) | **02216024** |
| .75"-.87" (1.90-2.21) | 1,020 | 102 | 14" (35.56) | 8" (20.32) | **02216025** |
| .81"-.94" (2.06-2.39) | 1,020 | 102 | 14" (35.56) | 8.25" (20.95) | **02216026** |
| .87"-1.00" (2.21-2.54) | 1,020 | 102 | 14" (35.56) | 8.75" (22.22) | **02216027** |
| .94"-1.06" (2.39-2.69) | 1,020 | 102 | 15" (38.10) | 9" (22.86) | **02216028** |
| 1.00"-1.18" (2.54-3.00) | 1,020 | 102 | 15" (38.10) | 9.5" (24.13) | **02216029** |
| 1.06"-1.25" (2.69-3.17) | 1,020 | 102 | 15" (38.10) | 9.5" (24.13) | **02216030** |

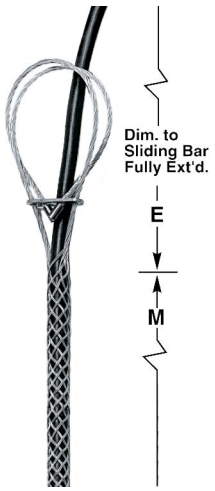



### Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .23"-.31" (.58-.79) | 500 | 50 | 11" (27.94) | 4.5" (11.43) | **02217016** |
| .28"-.37" (.74-.94) | 500 | 50 | 11" (27.94) | 5.5" (13.97) | **02217017** |
| .35"-.44" (.89-1.12) | 870 | 87 | 12" (30.48) | 6.5" (16.51) | **02217018** |
| .41"-.50" (1.04-1.27) | 870 | 87 | 12" (30.48) | 7.5" (19.05) | **02217019** |
| .46"-.56" (1.17-1.42) | 1,050 | 105 | 12" (30.48) | 8" (20.32) | **02217020** |
| .52"-.62" (1.32-1.57) | 1,050 | 105 | 13" (33.02) | 8.5" (21.59) | **02217021** |
| .58"-.68" (1.47-1.73) | 1,050 | 105 | 13" (33.02) | 9.5" (24.13) | **02217022** |
| .64"-.75" (1.63-1.90) | 1,390 | 139 | 13" (33.02) | 9.5" (24.13) | **02217023** |
| .70"-.81" (1.78-2.06) | 1,390 | 139 | 14" (35.56) | 10.5" (26.67) | **02217024** |
| .75"-.87" (1.90-2.21) | 1,390 | 139 | 14" (35.56) | 10.5" (26.67) | **02217025** |
| .81"-.94" (2.06-2.39) | 1,390 | 139 | 14" (35.56) | 10.5" (26.67) | **02217026** |
| .87"-1.00" (2.21-2.54) | 1,790 | 179 | 14" (35.56) | 11.5" (29.21) | **02217027** |
| .94"-1.06" (2.39-2.69) | 1,790 | 179 | 15" (38.10) | 12.5" (31.75) | **02217028** |
| 1.00"-1.18" (2.54-3.00) | 1,790 | 179 | 15" (38.10) | 13.5" (34.29) | **02217029** |
| 1.06"-1.25" (2.69-3.17) | 1,790 | 179 | 15" (38.10) | 14.5" (36.83) | **02217030** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*




*Dimensions in Inches (mm)*

## Bus Drop Support Grips

Single Eye, Universal Eye, Galvanized Steel.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*



### Safety Spring

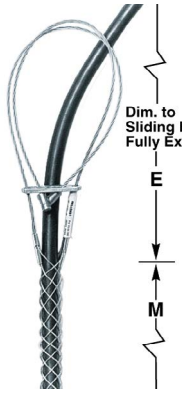
| Maximum Deflection Inches/Lbs (cm/N) | Approx. Breaking Strength Lbs. | Working Load Lbs. | Length* Inches (cm) | Diameter Inches (cm) | Model Lbs. (N) | Catalog Number |
|---|---|---|---|---|---|---|
| 2¾" at 40 lbs. (6.98 at 178) | 500 | 50 | 8.25" (20.95) | .75" (1.90) | 40 lb. spring (178) | **20302001** |
| 3⅛" at 80 lbs. (7.94 at 356) | 850 | 85 | 8.25" (20.95) | 1" (2.54) | 80 lb. spring (356) | **20302002** |

*Note: Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.*
**No load.*




### Single Eye, Wide Range

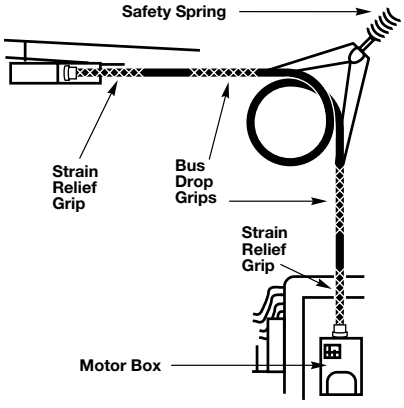
| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .24"-.32" (.61-.81) | 350 | 35 | 3" (7.62) | 3.5" (8.89) | **073041276**** |
| .32"-.43" (.81-1.09) | 450 | 45 | 4" (10.16) | 4" (10.16) | **073041277** |
| .43"-.56" (1.09-1.42) | 550 | 55 | 6" (15.24) | 4.75" (12.06) | **073041278** |
| .56"-.73" (1.42-1.85) | 1,000 | 100 | 7" (17.78) | 6" (15.24) | **073041279** |
| .73"-.85" (1.85-2.16) | 1,400 | 140 | 7" (17.78) | 6.75" (17.14) | **073041280** |
| .85"-1.00" (2.16-2.54) | 1,400 | 140 | 8" (20.32) | 8" (20.32) | **073041281** |
| 1.00"-1.25" (2.54-3.17) | 1,500 | 150 | 9" (22.86) | 9.5" (24.13) | **073041282** |




### Universal Eye, Wide Range

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .32"-.43" (.81-1.09) | 450 | 45 | 10" (25.40) | 4" (10.16) | **073041284** |
| .43"-.56" (1.09-1.42) | 550 | 55 | 12" (30.48) | 4.75" (12.06) | **073041285** |
| .56"-.73" (1.42-1.85) | 1,000 | 100 | 13" (33.02) | 6" (15.24) | **073041286** |
| .73"-.85" (1.85-2.16) | 1,400 | 140 | 13" (33.02) | 6.75" (17.14) | **073041287** |
| .85"-1.00" (2.16-2.54) | 1,400 | 140 | 14" (35.56) | 8" (20.32) | **073041288** |
| 1.00"-1.25" (2.54-3.17) | 1,500 | 150 | 15" (38.10) | 9.5" (24.13) | **073041289** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*
***Item indicated is not UL listed.*




### Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.

### Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

### Benefits

- Easily installed
- Absorb tension, vibration and pull with no cable damage
- Patented mesh construction

### Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

*Dimensions in Inches (mm)*

# Conduit Riser Grips

## Single Weave, Closed Mesh

Kellems® Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to page W-37 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. The ring will fit standard electrical rigid metal conduit and schedule 40 rigid PVC conduit only. See page W-32 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*



**IMPORTANT:**

**Recommended safety factor is ten for catalog listed support grips.**

### Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

| Cable Sizes In. (cm) | .50"- .62" (1.27-1.57) | .63"-.74" (1.60-1.88) | .75"- .99" (1.90-2.51) | 1.00"- 1.24" (2.54-3.15) | 1.25"- 1.49" (3.17-3.78) | 1.50"-1.74" (3.81-4.42) | 1.75"-1.99" (4.44-5.05) | 2.00"- 2.49" (5.08-6.32) | 2.50" -2.99" (6.35-7.59) | 3.00"- 3.49" (7.62-8.86) | 3.50"- 3.99" (8.89-10.13) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | **R050** | **R062** | **R075** | **R100** | **R125** | **R150** | **R175** | **R200** | **R250** | **R300** | **R350** |
| Length In. (cm) | 8" (20.32) | 9" (22.86) | 11" (27.94) | 12" (30.48) | 12" (30.48) | 14" (35.56) | 15" (38.10) | 17" (43.18) | 18" (45.72) | 20" (50.80) | 21" (53.34) |
| Conduit Sizes Inches | Catalog Number<br>Approx. Breaking Strength Lbs. (N) | | | | | | | | | | |
| ¾ | **02211106**<br>530 (2,357) | — | — | — | — | — | — | — | — | — | — |
| 1 | **02211100**<br>490 (2,179) | **02211101**<br>790 (3,514) | — | — | — | — | — | — | — | — | — |
| 1¼ | **02211001**<br>450 (2,002) | **02211002**<br>740 (3,292) | **02211003**<br>1,030 (4,581) | — | — | — | — | — | — | — | — |
| 1½ | — | **02211006**<br>690 (3,069) | **02211007**<br>970 (4,315) | **02211009**<br>1,610 (7,161) | — | — | — | — | — | — | — |
| 2 | — | **02211107**<br>640 (2,847) | **02211010**<br>920 (4,092) | **02211012**<br>1,520 (6,761) | **02211013**<br>1,610 (7,161) | — | — | — | — | — | — |
| 2½ | — | — | — | — | **02211017**<br>1,510 (6,716) | **02211018**<br>1,610 (7,161) | **02211019**<br>2,150 (9,563) | — | — | — | — |
| 3 | — | — | — | **02211022**<br>1,340 (5,960) | **02211023**<br>1,400 (6,227) | **02211024**<br>1,490 (6,627) | **02211025**<br>1,990 (8,851) | **02211026**<br>3,260 (14,500) | — | — | — |
| 3½ | — | — | — | — | — | — | — | **02211033**<br>2,970 (13,211) | **02211034**<br>3,260 (14,500) | — | — |
| 4 | — | — | — | — | — | — | **02211040**<br>1,670 (7,248) | **02211041**<br>2,680 (11,921) | **02211042**<br>2,890 (12,855) | **02211043**<br>4,080 (18,148) | — |
| 5 | — | — | — | — | — | — | — | — | **02211061**<br>2,150 (9,563) | **02211062**<br>2,860 (12,721) | **02211063**<br>3,130 (13,922) |
| 6 | — | — | — | — | — | — | — | — | — | **02211072**<br>2,245 (9,986) | **02211073**<br>2,245 (9,986) |

*Note: See page W-37 for multiple cables in a single conduit riser grip.*

*Dimensions in Inches (mm)*

# Conduit Riser Grips

## Double Weave, Split Mesh, Lace Closing

Kellems® Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page W-32 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only. For permanent support when cable end is not available.

**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*



**IMPORTANT:**

**Recommended safety factor is ten for catalog listed support grips.**

### Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

| Cable Sizes In. (cm) | .75"- .99" (1.90-2.51) | 1.00"- 1.24" (2.54-3.15) | 1.25"- 1.49" (3.17-3.78) | 1.50"-1.74" (3.81-4.42) | 1.75"- 1.99" (4.44-5.05) | 2.00"- 2.49" (5.08-6.32) | 2.50"- 2.99" (6.35-7.59) | 3.00"- 3.49" (7.62-8.86) | 3.50" -3.99" (8.89-10.13) |
|---|---|---|---|---|---|---|---|---|---|
| Model | **RS075** | **RS100** | **RS125** | **RS150** | **RS175** | **RS200** | **RS250** | **RS300** | **RS350** |
| Length In. (cm) | 11" (27.94) | 12" (30.48) | 12" (30.48) | 14" (35.56) | 15" (38.10) | 17" (43.18) | 18" (45.72) | 20" (50.80) | 21" (53.34) |
| Conduit Sizes Inches | Catalog Number<br>Approx. Breaking Strength Lbs. (N) | | | | | | | | |
| **1¼** | **02212003**<br>1,580 (7,028) | — | — | — | — | — | — | — | — |
| **1½** | **02212007**<br>1,500 (6,672) | — | — | — | — | — | — | — | — |
| **2** | **02212010**<br>1,430 (6,361) | **02212012**<br>1,930 (8,585) | **02212013**<br>2,040 (9,074) | — | — | — | — | — | — |
| **2½** | — | — | **02212017**<br>1,910 (8,496) | **02212018**<br>2,040 (9,074) | — | — | — | — | — |
| **3** | — | — | **02212023**<br>1,780 (7,917) | **02212024**<br>1,890 (8,407) | **02212025**<br>2,520 (11,209) | **02212026**<br>4,300 (19,126) | — | — | — |
| **3½** | — | — | — | — | — | **02212033**<br>3,910 (17,392) | **02212034**<br>4,300 (19,126) | — | — |
| **4** | — | — | — | — | **02212040**<br>2,110 (9,385) | **02212041**<br>3,530 (15,701) | **02212042**<br>3,820 (16,991) | **02212043**<br>5,380 (23,930) | — |
| **5** | — | — | — | — | — | — | **02212061**<br>2,860 (12,721) | — | — |
| **6** | — | — | — | — | — | — | — | — | **02212073**<br>2,955 (13,144) |

*Note: See page W-37 for multiple cables in a single conduit riser grip.*

*Dimensions in Inches (mm)*

# Conduit Riser Grips

## Single Weave, Split Mesh, Rod Closing

- Easy and fast to install
- Will not damage electrical cable
- Allows cable to expand or contract
- Ideal way to hold cable in vertical conduit
- Prevents cable creep in conduit
- Helps prevent cable pullouts
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only
- For support when cable end is not available

**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*



**IMPORTANT:**

**Recommended safety factor is ten for catalog listed support grips.**

## Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

| Cable Sizes In. (cm) | .75"- .99" (1.90-2.51) | 1.00"- 1.24" (2.54-3.15) | 1.25"- 1.49" (3.17-3.78) | 1.50"-1.74" (3.81-4.42) | 1.75"- 1.99" (4.44-5.05) | 2.00"- 2.49" (5.08-6.32) | 2.50"- 2.99" (6.35-7.59) | 3.00"- 3.49" (7.62-8.86) | 3.50" -3.99" (8.89-10.13) |
|---|---|---|---|---|---|---|---|---|---|
| Model | **RR075** | **RR100** | **RR125** | **RR150** | **RR175** | **RR200** | **RR250** | **RR300** | **RR350** |
| Length In. (cm) | 11" (27.94) | 12" (30.48) | 12" (30.48) | 14" (35.56) | 15" (38.10) | 17" (43.18) | 18" (45.72) | 20" (50.80) | 21" (53.34) |
| Conduit Sizes Inches | Catalog Number<br>Approx. Breaking Strength Lbs. (N) | | | | | | | | |
| **1¼** | **02213003**<br>1,020 (4,537) | — | — | — | — | — | — | — | — |
| **1½** | **02213007**<br>970 (4,315) | **02213009**<br>1,610 (7,161) | — | — | — | — | — | — | — |
| **2** | — | **02213012**<br>1,520 (6,761) | **02213013**<br>1,610 (7,161) | — | — | — | — | — | — |
| **2½** | — | — | **02213017**<br>1,510 (6,716) | **02213018**<br>1,610 (7,161) | — | — | — | — | — |
| **3** | — | — | **02213023**<br>1,400 (6,227) | **02213024**<br>1,490 (6,627) | **02213025**<br>1,990 (8,851) | **02213026**<br>3,260 (14,500) | — | — | — |
| **3½** | — | — | — | — | — | **02213033**<br>2,970 (13,211) | — | — | — |
| **4** | — | — | — | — | — | **02213041**<br>2,670 (11,876) | **02213042**<br>2,890 (12,855) | — | — |

*Note: See page W-37 for multiple cables in a single conduit riser grip.*

*Dimensions in Inches (mm)*

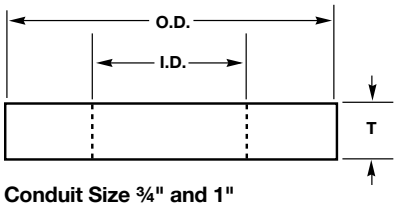
## Conduit Ring Dimensions

Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

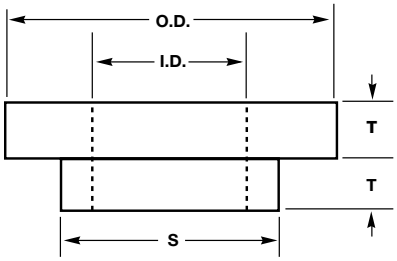
**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-33 and W-34.*




**Conduit Size ¾" and 1"**




**Conduit Size 1¼" to 6"**

| Conduit Size Inches | Ring Number | O.D. Inches (cm) | I.D. Inches (cm) | S Inches (cm) | T Inches (cm) |
|---|---|---|---|---|---|
| **¾** | C-¾ | .94" (2.39) | .62" (1.57) | — | .19" (.48) |
| **1** | C-1 | 1.17" (2.97) | .80" (2.03) | — | .19" (.48) |
| **1¼** | C-1¼ | 1.50" (3.81) | 1.03" (2.62) | 1.31" (3.33) | .16" (.41) |
| **1½** | C-1½ | 1.76" (4.47) | 1.23" (3.12) | 1.52" (3.86) | .16" (.41) |
| **2** | C-2 | 2.23" (5.66) | 1.55" (3.94) | 1.97" (5.00) | .16" (.41) |
| **2½** | C-2½ | 2.67" (6.78) | 2.05" (5.21) | 2.40" (6.10) | .16" (.41) |
| **3** | C-3 | 3.20" (8.13) | 2.55" (6.48) | 2.97" (7.54) | .22" (.56) |
| **3½** | C-3½ | 3.80" (9.65) | 3.05" (7.75) | 3.47" (8.81) | .22" (.56) |
| **4** | C-4 | 4.30" (10.92) | 3.55" (9.02) | 3.94" (10.01) | .22" (.56) |
| **4½** | C-4½ | 4.80" (12.19) | 4.03" (10.24) | 4.45" (11.30) | .22" (.56) |
| **5** | C-5 | 5.30" (13.46) | 4.46" (11.33) | 4.96" (12.60) | .22" (.56) |
| **6** | C-6 | 6.30" (16.00) | 5.36" (13.61) | 5.96" (15.14) | .25" (.63) |

## Kellems® Support Grips

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 SST for severe service or unusual environmental conditions, are available on request.

### Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

**Step 1** Refer to the Kellems chart below to determine the grip style best suited for your application.

**Step 2** Determine your cable outside diameter.

**Step 3** Find the grip size that encompasses your cable diameter.

**Step 4** Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

**Step 5** Where available, select an eye style that suits your needs.

**Step 6** Select the proper material—tinned bronze or stainless steel*.

**Step 7** Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page W-34 for safety and working load considerations.

**WARNING:** **It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.**

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.
Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.
Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength
The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.
Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.
Do not modify the grip in any way.
Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.
Pulling hardware should only be attached to the eye of the grip.
A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.
Do not run grips and swivels around sheaves or bull wheels while under tension.
For synthetic rope, use Kellems Dua-Pull Grips only.

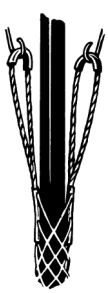
### Support Grip Selection Chart

| Grip Styles | Application |
|---|---|
| Closed mesh | Standard, permanent support, cable end available. |
| Split lace closing | Standard, permanent support, cable end unavailable. |
| Split rod closing | Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support. |
| Material* | Tin-coated bronze standard or stainless steel by special request. |
| Standard support grips | Support vertical runs to 99 ft. loads to 600 lbs. |
| Heavy duty grips | Support vertical runs over 100 ft. loads over 600 lbs. |
| Service drop | Light duty to support service entrance cable. |
| Bus drop | Light duty support, indoors only, on Bus drop cable. |
| Conduit riser | Support cable runs in rigid (Schedule 40) conduit. |
| Fiber optic cable support grips | Support fiber optic cable. |

*Note: *Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0X-xxx to 024-0X-xxx. Consult Technical Service for details.*

### Eye Styles


Single


Double


Universal


Offset

## Safety and Working Load Factors for Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

**IMPORTANT:**

**Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.**

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

### Examples

| Grip Style | Approx. Breaking Strength Lbs. (N) | Safety Factor | Max. Recommended Load Lbs. (N) | Catalog Number |
|---|---|---|---|---|
| Pulling Grips | 27,200 (120,986) | 5 | 5,440 (24,197) | **03301027** |
| Support Grips | 1,610 (7,161) | 10 | 161 (716) | **02202019** |

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable for the application.

The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

### Support Grip Materials

| Material | Features | Grip Type |
|---|---|---|
| Tin-coated bronze wire | • Corrosion resistant for normal outside areas<br>• Non-magnetic<br>• Moderate strength | • Support grips<br>• Service drop grips<br>• Conduit riser grips |
| Stainless steel wire (302-304) | • High strength<br>• Corrosion resistant | • Support grips<br>• Hose containment grips |
| Galvanized steel wire | • Slightly magnetic<br>• Not subject to continuous outside environment | • Bus drop grips |
| Non-metallic aramid fiber | • Corrosion resistant for highly corrosive gases | • Support grips |

### Approvals

CSA Certifications are indicated on appropriate product catalog pages.

*Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh.*
*See page W-16 for end bands.*

## Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

1. Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.
2. Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.
3. Twist the lacing strands tightly together at the tail end of the grip.
4. Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.







## Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

1. **Fast to install**
   Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.
2. The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.
3. To remove, simply pull the rod out.






## For Support Grips Only*

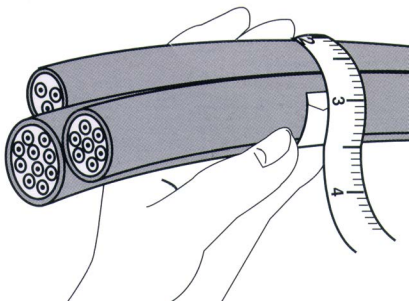
### Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

**How to choose the correct grip size:**

**1.** Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

**2.** Divide the bundle circumference by 3.14 to determine the diameter.

**3.** Choose a grip offering a range of cable diameters the same as the cable diameter.



### For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

**Example:** 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

### Number of Cables in One Grip

| 2 | 3 | 4 | 5 | 6 and 7 | 8 | 9 | Grip Dia. Range Inches (cm) |
|---|---|---|---|---|---|---|---|
| .30-.38 (.76-.97) | .25-.31 (.63-.79) | .22-.27 (.56-.69) | .19-.24 (.48-.61) | .17-.22 (.43-.56) | .15-.19 (.38-.48) | .14-.18 (.36-.46) | .50-.61 (1.27-1.55) |
| .38-.44 (.97-1.12) | .31-.36 (.79-.91) | .27-.31 (.69-.79) | .24-.29 (.61-.74) | .22-.26 (.56-.66) | .19-.23 (.48-.58) | .18-.21 (.46-.53) | .62-.74 (1.57-1.88) |
| .44-.59 (1.12-1.50) | .36-.49 (.91-1.24) | .31-.42 (.79-1.07) | .29-.38 (.74-.97) | .26-.34 (.66-.86) | .23-.31 (.58-.79) | .21-.28 (.53-.71) | .75-.99 (1.90-2.51) |
| .59-.75 (1.50-1.90) | .49-.63 (1.24-1.60) | .42-.54 (1.07-1.37) | .38-.48 (.97-1.22) | .34-.43 (.86-1.09) | .31-.39 (.79-.99) | .28-.35 (.71-.89) | 1.00-1.24 (2.54-3.15) |
| .75-.90 (1.90-2.29) | .63-.76 (1.60-1.93) | .54-.65 (1.37-1.65) | .48-.58 (1.22-1.47) | .43-.52 (1.09-1.32) | .39-.46 (.99-1.17) | .35-.42 (.89-1.07) | 1.25-1.49 (3.17-3.78) |
| .90-1.07 (2.29-2.72) | .76-.89 (1.93-2.26) | .65-.77 (1.65-1.96) | .58-.67 (1.47-1.70) | .52-.60 (1.32-1.52) | .46-.54 (1.17-1.37) | .42-.49 (1.07-1.24) | 1.50-1.74 (3.81-4.42) |
| 1.07-1.22 (2.72-3.10) | .89-1.02 (2.26-2.59) | .77-.88 (1.96-2.24) | .67-.77 (1.70-1.96) | .60-.69 (1.52-1.75) | .54-.62 (1.37-1.57) | .49-.56 (1.24-1.42) | 1.75-1.99 (4.44-5.05) |
| 1.22-1.53 (3.10-3.89) | 1.02-1.28 (2.59-3.25) | .88-1.10 (2.24-2.79) | .77-.96 (1.96-2.44) | .69-.86 (1.75-2.18) | .62-.77 (1.57-1.96) | .56-.71 (1.42-1.80) | 2.00-2.49 (5.08-6.32) |
| 1.53-1.83 (3.89-4.65) | 1.28-1.53 (3.25-3.89) | 1.10-1.32 (2.79-3.35) | .96-1.16 (2.44-2.95) | .86-1.03 (2.18-2.62) | .77-.93 (1.96-2.36) | .71-.85 (1.80-2.16) | 2.50-2.99 (6.35-7.59) |
| 1.83-2.14 (4.65-5.44) | 1.53-1.79 (3.89-4.55) | 1.32-1.54 (3.35-3.91) | 1.16-1.35 (2.95-3.43) | 1.03-1.20 (2.62-3.05) | .93-1.08 (2.36-2.74) | .85-.99 (2.16-2.51) | 3.00-3.49 (7.62-8.86) |
| 2.14-2.44 (5.44-6.20) | 1.79-2.05 (4.55-5.21) | 1.54-1.76 (3.91-4.47) | 1.35-1.54 (3.43-3.91) | 1.20-1.37 (3.05-3.48) | 1.08-1.24 (2.74-3.15) | .99-1.13 (2.51-2.87) | 3.50-3.99 (8.89-10.13) |
| 2.44-2.75 (6.20-6.98) | 2.05-2.30 (5.21-5.84) | 1.76-1.98 (4.47-5.03) | 1.54-1.74 (3.91-4.42) | 1.37-1.55 (3.48-3.94) | 1.24-1.39 (3.15-3.53) | 1.13-1.27 (2.87-3.23) | 4.00-4.49 (10.16-11.40) |
| 2.75-3.06 (6.98-7.77) | 2.30-2.56 (5.84-6.50) | 1.98-2.20 (5.03-5.59) | 1.74-1.93 (4.42-4.90) | 1.55-1.72 (3.94-4.37) | 1.39-1.55 (3.53-3.94) | 1.27-1.41 (3.23-3.58) | 4.50-4.99 (11.43-12.67) |

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page W-37. It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

## For Conduit Riser Grips Only*

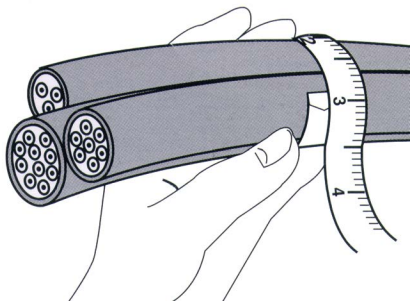
### Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

**How to choose the correct grip size:**

**1.** Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).

**2.** Divide the bundle circumference by 3.14 to determine the diameter.

**3.** Choose a grip offering a range of cable diameters the same as the cable diameter.



### For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right.

If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.

**Example:** 3 cables, each with .85" (2.16) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

### Number of Equal Diameter Cables in One Grip

| 2 | 3 | 4 | 5 | 6 and 7 | 8 | 9 | Grip Dia. Range Inches (cm) |
|---|---|---|---|---|---|---|---|
| .29-.36 (.74-.91) | .24-.30 (.61-.76) | .21-.25 (.53-.63) | .18-.22 (.46-.56) | .16-.20 (.41-.51) | .15-.18 (.38-.46) | .14-.17 (.36-.43) | .50-.62 (1.27-1.57) |
| .37-.43 (.94-1.09) | .31-.36 (.79-.91) | .26-.30 (.66-.76) | .23-.27 (.58-.69) | .21-.24 (.53-.61) | .19-.22 (.48-.56) | .18-.20 (.46-.51) | .63-.74 (1.60-1.88) |
| .44-.58 (1.12-1.47) | .37-.48 (.94-1.22) | .31-.41 (.79-1.04) | .28-.36 (.71-.91) | .25-.32 (.63-.81) | .23-.29 (.58-.74) | .21-.27 (.53-.69) | .75-.99 (1.90-2.51) |
| .59-.72 (1.50-1.83) | .49-.60 (1.24-1.52) | .42-.51 (1.07-1.30) | .37-.45 (.94-1.14) | .33-.40 (.84-1.02) | .30-.36 (.76-.91) | .28-.34 (.71-.86) | 1.00-1.24 (2.54-3.15) |
| .73-.87 (1.85-2.21) | .61-.72 (1.55-1.83) | .52-.61 (1.32-1.55) | .46-.54 (1.17-1.37) | .41-.48 (1.04-1.22) | .37-.43 (.94-1.09) | .35-.40 (.89-1.02) | 1.25-1.49 (3.17-3.78) |
| .88-1.01 (2.24-2.57) | .73-.85 (1.85-2.16) | .62-.71 (1.57-1.80) | .55-.63 (1.40-1.60) | .49-.56 (1.24-1.42) | .44-.51 (1.12-1.30) | .41-.47 (1.04-1.19) | 1.50-1.74 (3.81-4.42) |
| 1.02-1.16 (2.59-2.95) | .86-.96 (2.18-2.44) | .72-.81 (1.83-2.06) | .64-.72 (1.63-1.83) | .57-.64 (1.45-1.63) | .52-.58 (1.32-1.49) | .48-.54 (1.22-1.37) | 1.75-1.99 (4.44-5.05) |
| 1.17-1.44 (2.97-3.66) | .97-1.20 (2.46-3.05) | .82-1.02 (2.08-2.59) | .73-.90 (1.85-2.29) | .65-.80 (1.65-2.03) | .59-.72 (1.50-1.83) | .55-.67 (1.40-1.70) | 2.00-2.49 (5.08-6.32) |
| 1.45-1.73 (3.68-4.39) | 1.21-1.45 (3.07-3.68) | 1.03-1.22 (2.62-3.10) | .91-1.08 (2.31-2.74) | .81-.96 (2.06-2.44) | .73-.87 (1.85-2.21) | .68-.81 (1.73-2.06) | 2.50-2.99 (6.35-7.59) |
| 1.74-2.02 (4.42-5.13) | 1.46-1.69 (3.71-4.29) | 1.23-1.43 (3.12-3.63) | 1.09-1.26 (2.77-3.20) | .97-1.11 (2.46-2.82) | .83-1.01 (2.11-2.57) | .82-.94 (2.08-2.39) | 3.00-3.49 (7.62-8.86) |
| 2.03-2.31 (5.16-5.87) | 1.70-1.93 (4.32-4.90) | 1.44-1.63 (3.66-4.14) | 1.27-1.44 (3.23-3.66) | 1.12-1.27 (2.84-3.23) | 1.02-1.15 (2.59-2.92) | .95-1.08 (2.41-2.74) | 3.50-3.99 (8.89-10.13) |

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page W-36. It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle. See page Tech-23 for cable and wire charts.*

## Features and Benefits

### Fiber Optic Pulling Grips

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.







**Non-Metallic**

- OPTISOK® non-metallic fiber optic pulling tool for pre-terminated, inside plant fiber optic cables and bundles of twisted pair



**Galvanized Steel**

- Pulling grip for loose tube fiber optic cable
- These grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up



**Application**

- Kellems flexible eye pulling grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures
- They will fit single cables or cable bundles, are easily installed on the cable and are reusable



**Comprehensive Offering**

- Hubbell offers a full line of fiber optic pulling grips for all application needs
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables
- They will protect the connectors and guide the bundle through the pulling environment

## OPTISOK® Non-Metallic Fiber Optic Pulling Tool for Pre-Terminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

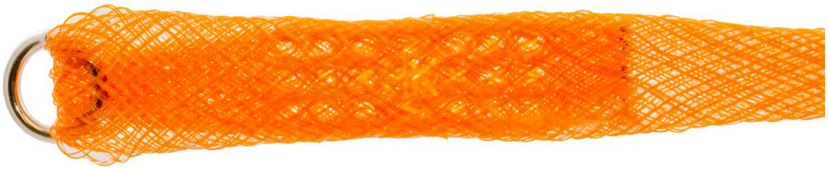
**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-44 and W-45.*

Kellems offers a unique and simple to use tool for the installation of pre-connectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK®.

The OPTISOK® is a highly flexible and expandable non-metallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK® will act as the pulling tool.

OPTISOK® will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK® can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.



### OPTISOK® Non-Metallic Fiber Optic Pulling Tool

| Bundle/Size Range Inches (cm) | Maximum Work Load Lbs. | Approx. O/A Length Inches (cm) | Ring O.D. Inches (cm) | Ring Thickness Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .125"-.562" (.318-1.427) | 30 | 28" (71.12) | .71" (1.803) | .10" (.254) | **CCPS1** |
| .250"-.750" (.635-1.905) | 40 | 31" (78.74) | .71" (1.803) | .10" (.254) | **CCPS2** |
| .750"-1.750" (1.905-4.445) | 50 | 33" (83.82) | 1.57" (3.988) | .16" (.406) | **CCPS3** |

### How to Select OPTISOK®

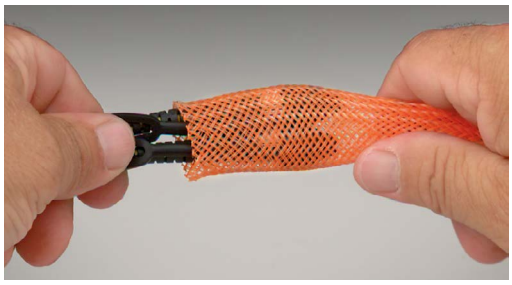
- Identify connector bundle diameter to be inserted into the OPTISOK®.
- Choose appropriate catalog number based on size range.

### Installation Information

| | |
|---|---|
| **Step 1** | Expand open end of OPTISOK® and gently work in fiber optic connector bundle. |
| **Step 2** | Still gently, work connector bundle up to the forward section of the OPTISOK®. |
| **Step 3** | Starting at approximately 6" (15.2cm) from tail end of OPTISOK®, tightly fold over the OPTISOK® around cables and tape wrapped section 3" (7.62cm) past tail end onto the bundle. |
| **Step 4** | Securely attach pulling line or tape to pulling ring. |

*Note: To remove OPTISOK® carefully unwrap tape and slide out cables and connectors or cut OPTISOK® away without damaging connectors or cables.*

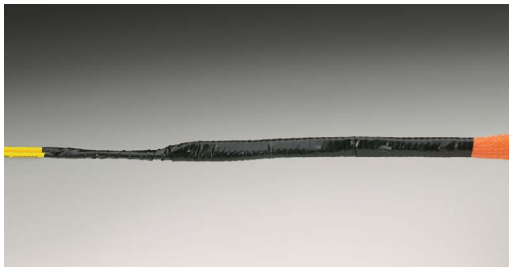
**Step 1**



**Step 2**



**Step 3**



**Step 4**



## Pulling Grip for Loose Tube Fiber Optic Cable, Galvanized Steel

Kellems offers a wire mesh specifically designed to pull loose tube fiber optic cable and meet the special pulling requirements recommended by fiber optic cable manufacturers.

Many fiber optic cable manufacturers require special cable preparation prior to pulling where a short section of the outer jacket is stripped off exposing the aramid strength member. This creates two cable diameters, one including the jacket and a second smaller diameter at the strength member. Kellems fiber grip with its special weave will accommodate and securely grab both diameters, at the outside jacket and the internal aramid strength member.

Additionally, this galvanized steel mesh grip has longer leads at the pulling eye to facilitate pulling the cable up through the top, a very low profile lug and eye to slip through tight areas, and short shoulders to protect the cable while maintaining the slim profile.

The grip can be used to pull cable overhead as well as underground through conduit and duct. It easily mates with a swivel and has the necessary strength to securely make pulls.

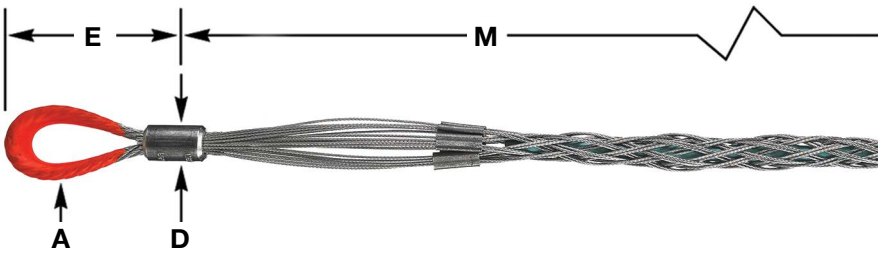
**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

*Refer to pages W-44 and W-45.*

### Application Information

- Prior to pulling cable, follow cable manufacturers' cable preparation recommendations
- Never exceed cable manufacturers' pulling tension recommendations
- Never use grips to approximate breaking strength safety factor of 5 recommended




### Pulling Grip For Loose Tube Fiber Optic Cable, Galvanized Steel

| Diameter Range Inches (cm) | Maximum Breaking Strength Lbs. | Working Load Lbs. | E Eye Length Inches (cm) | M Mesh Length Inches (cm) | D Lug Diameter Inches (cm) | A Eye Diameter Inches (cm) | Catalog Number |
|---|---|---|---|---|---|---|---|
| .312"-.625" (.79-1.59) | 3,000 | 600 | 6.3" (16.00) | 22.5" (57.15) | .51" (1.30) | .20" (.51) | **PFOLT312** |

## Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

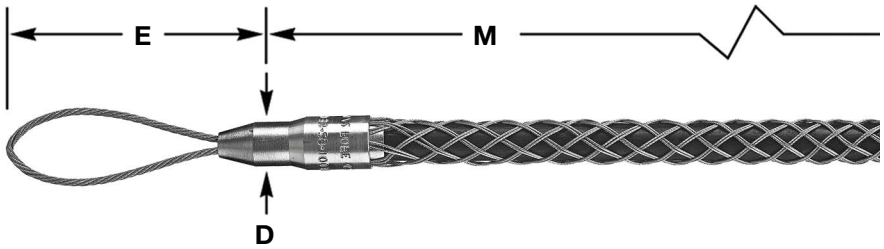
*Refer to pages W-44 and W-45.*

### Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

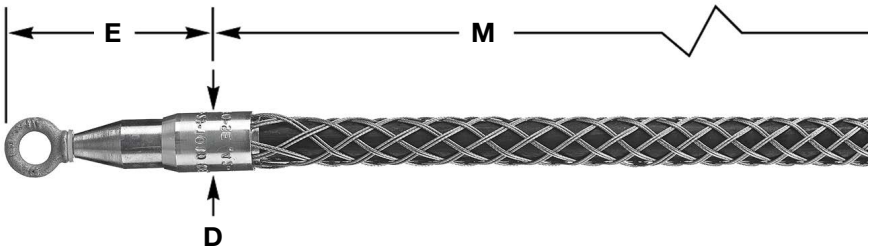
### Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- Steel nose cone reduces snags and hang-ups and protects cable end
- Easily installed and removed
- A dependable, reusable pulling tool




### Fiber Optic Pulling Grip, Flexible Eye

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Approx. Inches (cm) | M Approx. Inches (cm) | D Approx. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|---|
| .10"-.22" (.25-.56) | 1,000 | 200 | 5.5" (14) | 9" (23) | 0.8" (2) | **033291000** |
| .21"-.35" (.53-.89) | 1,500 | 300 | 5.5" (14) | 14" (36) | 0.8" (2) | **033291001** |
| .32"-.48" (.81-1.22) | 2,200 | 440 | 6.0" (15) | 18" (46) | 0.9" (2.29) | **033291002** |
| .42"-.61" (1.07-1.55) | 2,800 | 560 | 6.0" (15) | 21" (53) | 0.9" (2.29) | **033291003** |
| .53"-.74" (1.35-1.88) | 3,300 | 660 | 6.5" (17) | 24" (61) | 1.3" (3.30) | **033291004** |
| .64"-.87" (1.63-2.21) | 4,700 | 940 | 6.5" (17) | 27" (69) | 1.3" (3.30) | **033291005** |




### Fiber Optic Pulling Grip, Swivel Eye

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Approx. Inches (cm) | M Approx. Inches (cm) | D Approx. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|---|
| .21"-.35" (.53-.89) | 1,500 | 300 | 4.0" (10.16) | 14" (35.56) | 0.9" (2.29) | **033291008** |
| .32"-.48" (.81-1.22) | 2,200 | 440 | 4.0" (10.16) | 18" (45.72) | 0.9" (2.29) | **033291009** |
| .42"-.61" (1.07-1.55) | 2,800 | 560 | 4.0" (10.16) | 21" (53.34) | 0.9" (2.29) | **033291010** |
| .53"-.74" (1.35-1.88) | 3,250 | 650 | 4.8" (12.19) | 24" (60.96) | 1.3" (3.30) | **033291011** |
| .64"-.87" (1.63-2.21) | 4,700 | 940 | 4.8" (12.19) | 27" (68.58) | 1.3" (3.30) | **033291012** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*

*Dimensions in Inches (mm)*

## Pulling Grips for Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

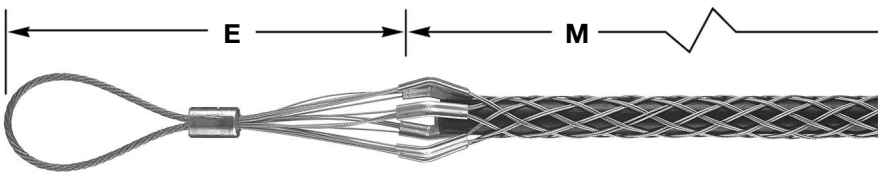
*Refer to pages W-44 and W-45.*

### Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

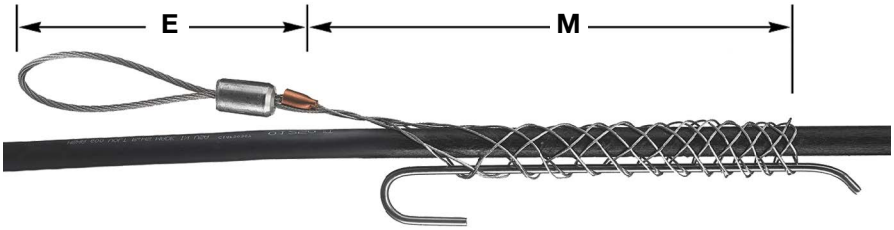
### Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- Steel nose cone reduces snags and hang-ups and protects cable end
- Easily installed and removed
- A dependable, reusable pulling tool




### Fiber Optic Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Approx. Inches (cm) | M Approx. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .10"-.22 (.25-.56) | 900 | 180 | 7.5" (19) | 10" (25) | **033291193** |
| .21"-.35" (.53-.89) | 1,400 | 280 | 7.5" (19) | 14" (36) | **033291194** |
| .32"-.48" (.81-1.22) | 2,000 | 400 | 8.5" (22) | 19" (48) | **033291195** |
| .42"-.61" (1.07-1.55) | 2,500 | 500 | 8.5" (22) | 21" (53) | **033291196** |
| .53"-.74" (1.35-1.88) | 3,000 | 600 | 8.5" (22) | 23" (58) | **033291197** |
| .64"-.87" (1.63-2.21) | 4,200 | 840 | 8.5" (22) | 25" (64) | **033291198** |
| .75"-1.00" (1.90-2.54) | 4,200 | 840 | 8.5" (22) | 28" (71) | **033291199** |




### Fiber Optic Slack Pulling Grip, Split Mesh, Rod Closing, Single Weave

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Approx. Inches (cm) | M Approx. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .25"-.37" (.63-.94) | 300 | 60 | 3" (7.6) | 4.7" (12) | **033291015** |
| .38"-.49" (.97-1.24) | 800 | 160 | 3" (7.6) | 5" (13) | **033291016** |
| .50"-.61" (1.27-1.55) | 800 | 160 | 3" (7.6) | 7.5" (19) | **033291017** |
| .62"-.74" (1.57-1.88) | 1,200 | 240 | 3" (7.6) | 8" (20) | **033291018** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*

*Dimensions in Inches (mm)*

## Fiber Optic Support Grips

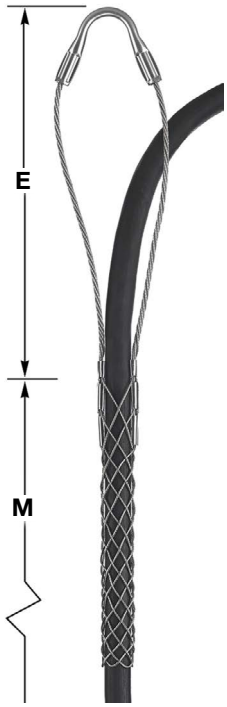
Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

**IMPORTANT:**

**Read all breaking strength, safety and technical data relating to this product.**

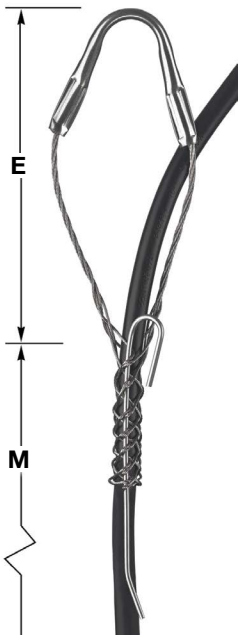
*Refer to pages W-44 and W-45.*




### Fiber Optic Single Eye Cable Support Grip, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed through grip.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Approx. Inches (cm) | M Approx. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .18"-.25" (.46-.63) | 300 | 30 | 3" (7.6) | 1.7" (4.3) | **022291000** |
| .23"-.32" (.58-.81) | 300 | 30 | 3" (7.6) | 2.5" (6.4) | **022291001** |
| .30"-.39" (.76-.99) | 300 | 30 | 4" (10) | 2.5" (6.4) | **022291002** |
| .37"-.48" (.94-1.22) | 300 | 30 | 5" (13) | 4" (10) | **022291003** |
| .46"-.58" (1.17-1.47) | 400 | 40 | 6" (15) | 4" (10) | **022291004** |
| .56"-.71" (1.42-1.80) | 600 | 60 | 7" (18) | 5.5" (14) | **022291005** |
| .69"-.88" (1.75-2.24) | 800 | 80 | 8" (20) | 6" (15) | **022291006** |




### Fiber Optic Single Eye Cable Support Grip, Split Mesh, Rod Closing, Single Weave

For support when cable end not available.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Approx. Inches (cm) | M Approx. Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .18"-.25" (.46-.63) | 300 | 30 | 3" (7.6) | 2.5" (6.4) | **022291016** |
| .23"-.32" (.58-.81) | 300 | 30 | 3" (7.6) | 2.5" (6.4) | **022291017** |
| .30"-.39" (.76-.99) | 300 | 30 | 4" (10) | 2.5" (6.4) | **022291018** |
| .37"-.48" (.94-1.22) | 300 | 30 | 5" (13) | 4" (10) | **022291019** |
| .46"-.58" (1.17-1.47) | 400 | 40 | 6" (15) | 5" (13) | **022291020** |
| .56"-.71" (1.42-1.80) | 600 | 60 | 7" (18) | 5" (13) | **022291021** |
| .69"-.88" (1.75-2.24) | 800 | 80 | 8" (20) | 6" (15) | **022291022** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*

*Dimensions in Inches (mm)*

## Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.

These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

### Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

### Fast to Install

| | |
|---|---|
| **Step 1** | Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops. |
| **Step 2** | The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod. |
| **Step 3** | To remove, simply pull the rod out. |






Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.

## Select the Correct Fiber Optic Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

| | |
|---|---|
| **Step 1** | Determine your cable outside diameter. |
| **Step 2** | Find the grip size that encompasses your cable diameter. |
| **Step 3** | Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh. |
| **Step 4** | Where available, select an eye style that suits your needs. |
| **Step 5** | Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. |

## Safety And Working Load Factors For Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.

It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known or where risk of injury to persons or property is involved, a greater safety factor should be utilized.

**IMPORTANT:**

**Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.**

Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.

For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

## Examples

| Grip Style | Approx. Breaking Strength Lbs. (N) | Safety Factor | Max. Recommended Load Lbs. (N) | Catalog Number |
|---|---|---|---|---|
| Pulling Grips | 2,500 (11,120) | 5 | 500 (2,224) | **033291196** |
| Support Grips | 400 (1,779) | 10 | 40 (178) | **022291004** |

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.

It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

## Fiber Optic Grip Materials

| Material | Features | Product Group |
|---|---|---|
| Galvanized steel wire | • High strength<br>• Not subject to continuous outside environment | • Pulling grips |
| Tin-coated bronze wire | • Corrosion resistant for normal outside areas<br>• Non-magnetic<br>• Moderate strength | • Support grips |
| Non-metallic braid | • Superior flex life<br>• Non-conductive<br>• Corrosion resistant<br>• Moderate strength | • OPTISOK® |

## Approvals

CSA Certification is indicated on appropriate product catalog pages.

## Hose Containment Grips

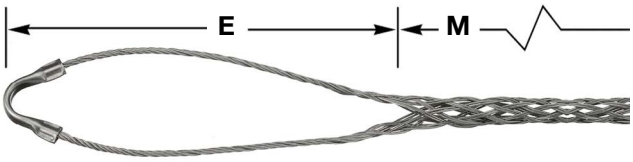
Kellems® Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure.

Kellems® patented Hose Containment Grips are made of stainless steel double weave mesh construction for high strength and come complete with hose clamps.

**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**

### Types of Attachment

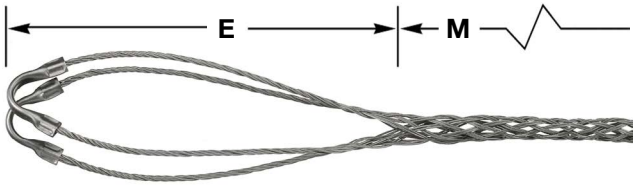
The six attachment methods shown below provide unlimited flexibility of attachment to meet any condition.




### Type A

Single Eye, used where fastening is made with eyebolts or similar anchor terminations.

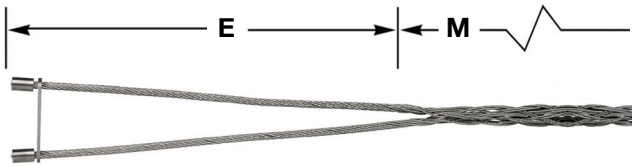
| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .38"-.69" (.97-1.75) | 2,900 | 290 | 10" (25) | 24" (61) | **014021285** |
| .50"-.94" (1.27-2.39) | 3,400 | 340 | 10" (25) | 24" (61) | **014021230** |
| 1.00"-1.56" (2.54-3.96) | 9,400 | 940 | 10" (25) | 36" (91) | **014021453** |
| 1.25"-1.94" (3.18-4.93) | 14,400 | 1,440 | 48" (122) | 60" (152) | **014021593** |
| 2.75"-3.44" (6.99-8.74) | 12,500 | 1,250 | 10" (25) | 48" (122) | **014021524** |




### Type E

Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .50"-.94" (1.27-2.39) | 4,250 | 425 | 8" (20) | 24" (61) | **014021224** |
| .75"-1.25" (1.91-3.18) | 6,000 | 600 | 8" (20) | 24" (61) | **014021223** |
| 1.00"-1.56" (2.54-3.96) | 8,000 | 800 | 8" (20) | 24" (61) | **014021279** |




### Type U

Universal Bale Grip, used to fasten around a structure or closed eye.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .31"-.56" (.79-1.42) | 2,100 | 210 | 12" (30) | 24" (61) | **014021304** |
| .38"-.69" (.97-1.75) | 2,600 | 260 | 12" (30) | 24" (61) | **014021308** |
| .50"-.94" (1.27-2.39) | 3,100 | 310 | 12" (30) | 24" (61) | **014021138** |
| .50"-.94" (1.27-2.39) | 3,100 | 310 | 24" (61) | 24" (61) | **014021139** |
| .75"-1.25" (1.91-3.18) | 4,500 | 450 | 12" (30) | 24" (61) | **014021140** |
| 1.00"-1.56" (2.54-3.96) | 6,000 | 600 | 12" (30) | 24" (61) | **014021142** |
| 1.25"-1.94" (3.18-4.93) | 6,000 | 600 | 12" (30) | 36" (91) | **014021527** |

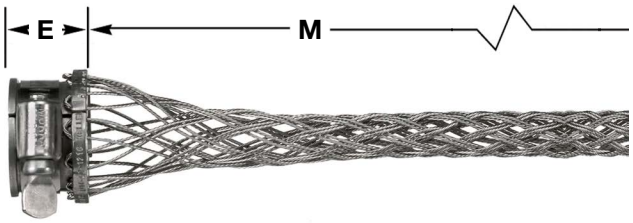
*Note: E- Eye length. M-Mesh length at nominal diameter.*
*It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.*

*Dimensions in Inches (mm)*

## Hose Containment Grips

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

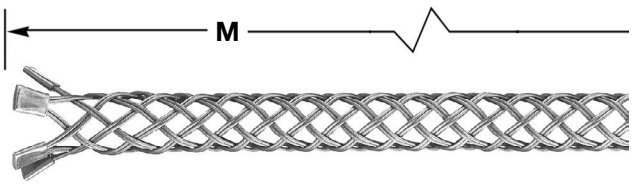
**IMPORTANT:**
**Read all breaking strength, safety and technical data relating to this product.**




### Type F

Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .38"-.69" (.97-1.75) | 2,900 | 290 | 1" (2.54) | 24" (61) | **014021208** |
| .50"-.94" (1.27-2.39) | 3,400 | 340 | 1" (2.54) | 24" (61) | **014021156** |
| .50"-.94" (1.27-2.39) | 3,400 | 340 | 1" (2.54) | 12" (30) | **014021185** |
| .50"-.94" (1.27-2.39) | 3,400 | 340 | 1" (2.54) | 12" (30) | **014021186** |
| .50"-.94" (1.27-2.39) | 3,400 | 340 | 1" (2.54) | 24" (61) | **014021216** |
| .75"-1.25" (1.91-3.18) | 6,000 | 600 | 1" (2.54) | 24" (61) | **014021113** |
| .75"-1.25" (1.91-3.18) | 6,000 | 600 | 1" (2.54) | 12" (30) | **014021120** |
| .75"-1.25" (1.91-3.18) | 6,000 | 600 | 1" (2.54) | 24" (61) | **014021301** |
| 1.00"-1.56" (2.54-3.96) | 6,000 | 600 | 1" (2.54) | 24" (61) | **014021157** |
| 1.00"-1.56" (2.54-3.96) | 8,000 | 800 | 1.12" (2.84) | 24" (61) | **014021366** |
| 1.25"-1.94" (3.18-4.93) | 8,000 | 800 | 1.12" (2.84) | 36" (91) | **014021314** |




### Type T

Tube Grips obtain complete grip coverage when hose is partially covered at either end with attachment grips. Type T-Grips fill in the exposed hose area between the two end grips. A telescoped assembly permits overlap to any degree desired beyond the 3" minimum.

| Cable Diameter Range Inches (cm) | Approx. Breaking Strength Lbs. | Working Load Lbs. | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|---|
| .50"-.94" (1.27-2.39) | 3,400 | 340 | — | 24" (61) | **014021152** |
| .75"-1.25" (1.91-3.18) | 6,000 | 600 | — | 24" (61) | **014021085** |
| 1.44"-2.19" (3.66-5.56) | 12,500 | 1,250 | — | 48" (122) | **014021075** |

*Note: E- Eye length. M-Mesh length at nominal diameter.*



### Type Y

Threaded bolt (5/16 – 18 x 1 1/2" long), used to fasten through drilled holes in a plate.

*Note: Available upon request.*
*It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. Kellems® Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact Technical services for specific information.*

*Dimensions in Inches (mm)*

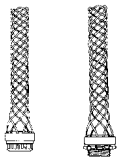
Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

## Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

| | |
|---|---|
| **Step 1** | Refer to the chart below to determine the grip style best suited for your application. |
| **Step 2** | Determine your cable outside diameter or conduit size. |
| **Step 3** | Locate environment—indoors or outdoors. |
| **Step 4** | Decide if a liquidtight seal is required. |
| **Step 5** | Select NPT size and fitting style. |

## Strain Relief System Selection Chart

| Grip Type | | Application | Features | Cord or Conduit Range Inches (cm) | Type Fitting or Attachment | Page Number |
|---|---|---|---|---|---|---|
| **Deluxe Cord Aluminum Fitting/ Stainless Steel Grip** |  | Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment. | Aluminum fittings, stainless steel mesh, neoprene oil-and-watertight bushing. Double-single weave. | .187"-3.250" (.47-8.25) | NPT, PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes ⅜"-3". | W-50, W-51, W-54 |
| **Deluxe Cord Nylon Fitting/ Stainless Steel Grip** |  | Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment. | Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and-watertight bushing. | .187"-1.125" (.47-2.86) | NPT nylon, male straight, 90° male. Thread sizes ½"-1". | W-52 |
| **Deluxe Cord Nylon Fitting/ Non-metallic Grip** |  | Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing. | Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting. | .187"-1.000" (.47-2.54) | NPT nylon, straight male, thread sizes ⅜"-1" 90° male, thread sizes ½"-1". | W-53 |
| **Deluxe Cord Stainless Steel Fitting And Grip** |  | Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines. | Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip. | .187"-1.000" (.47-2.54) | Straight male Only with NPT Thread sizes ½"-1". | W-53 |
| **Dust-Tight Strain Relief** |  | Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems. | Neoprene gasket–seals out chips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available. Zinc-plated steel locknut. | .240"-2.450" (.61-6.22) | Straight male NPS or NPT | W-55 |
| **Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)** |  | Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain. | Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings. | .375"-4.000" trade sizes | NPT ½"-4", Hubbell fittings, Male straight, 45° male, 90° male, female straight. | W-58, W-59 |
| **Liquidtight Flexible Conduit Grip (UL Type A)** |  | Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain. | Stainless steel mesh, liquidtight fittings with "O" ring and locknut. | .375"-2.008" trade size male | NPT steel, Hubbell fittings, straight male, 90° Thread sizes ½"-2". | W-60 |

## Features and Benefits

## Deluxe Cord Grip

Deluxe cord grips help to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is available.



### Application

Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

### Benefits

- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar



### Mesh Grip

- Stainless steel mesh is corrosion resistant; can be used inside or outside
- Eliminates cable or flexible conduit pull out and reduces costly downtime
- Endless weave provides easy cable/ flexible conduit installation



### Deluxe Cord Grips

- An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



### Cable Protection

- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- It is the strongest strain relief device available; meets and exceeds all code requirements; prevents cable/conduit pull-out



### Comprehensive Offering

- Hubbell offers a full line of deluxe cord grips with various material finishes
- Deluxe cord grips are used indoors or outdoors to help prevent cord pull-out and where cables are subjected to moisture, splash or submersion

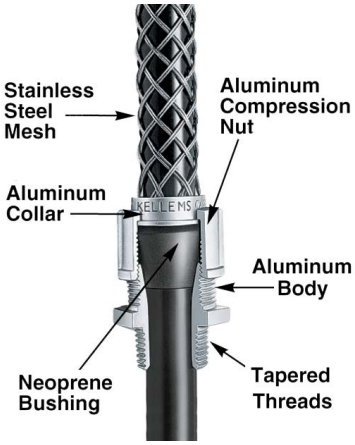
## Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*






### Straight Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ⅜ | .250"-.312" | (.63-.79) | F1 | **07401001** |
| | .312"-.375" | (.79-.95) | | **07401002** |
| | .375"-.437" | (.95-1.11) | | **07401003** |
| ½ | .187"-.250" | (.47-.63) | F2 | **07401004** |
| | .250"-.375" | (.63-.95) | | **07401006** |
| | .375"-.500" | (.95-1.27) | | **07401008** |
| | .500"-.625" | (1.27-1.59) | | **07401010** |
| ½ | .625"-.750" | (1.59-1.90) | F3 | **074011247*** |
| | .750"-.875" | (1.90-2.22) | | **074011248*** |
| ¾ | .187"-.250" | (.47-.63) | F2 | **07401011** |
| | .250"-.375" | (.63-.95) | | **07401013** |
| | .375"-.500" | (.95-1.27) | | **07401015** |
| | .500"-.625" | (1.27-1.59) | | **07401017** |
| ¾ | .625"-.750" | (1.59-1.90) | F3 | **07401018** |
| | .750"-.875" | (1.90-2.22) | | **074011249*** |
| 1 | .375"-.500" | (.95-1.27) | F4 | **074011195** |
| | .500"-.625" | (1.27-1.59) | | **07401019** |
| | .625"-.750" | (1.59-1.90) | | **07401021** |
| | .750"-.875" | (1.90-2.22) | | **07401023** |
| | .875"-1.000" | (2.22-2.54) | | **07401025** |
| | 1.000"-1.125" | (2.54-2.86) | | **074011250*** |
| 1 | 1.125"-1.250" | (2.86-3.17) | F5 | **074011028*** |
| | 1.250"-1.375" | (3.17-3.49) | | **074011029*** |
| 1¼ | .750"-.875" | (1.90-2.22) | F5 | **074011251** |
| | .875"-1.000" | (2.22-2.54) | | **07401026** |
| | 1.000"-1.125" | (2.54-2.86) | | **07401027** |
| | 1.125"-1.250" | (2.86-3.17) | | **07401028** |
| | 1.250"-1.375" | (3.17-3.49) | | **074011178*** |
| 1½ | .750"-.875" | (1.90-2.22) | F5 | **074011252** |
| | .875"-1.000" | (2.22-2.54) | | **07401029** |
| | 1.000"-1.125" | (2.54-2.86) | | **07401030** |
| | 1.125"-1.250" | (2.86-3.17) | | **07401031** |
| | 1.250"-1.375" | (3.17-3.49) | | **07401032** |
| 1½ | 1.312"-1.437" | (3.33-3.65) | F6 | **074011253** |
| | 1.437"-1.562" | (3.65-3.97) | | **074011254*** |
| | 1.562"-1.687" | (3.97-4.28) | | **074011255*** |
| | 1.687"- 1.812" | (4.28-4.60) | | **074011256*** |
| | 1.750"-1.875" | (4.44-4.76) | | **074011257*** |
| 2 | 1.250"-1.375" | (3.17-3.49) | F6 | **074011258** |
| | 1.312"-1.437" | (3.33-3.65) | | **074011259** |
| | 1.437"-1.562" | (3.65-3.97) | | **07401033** |
| | 1.562"-1.687" | (3.97-4.28) | | **07401034** |
| | 1.687"-1.812" | (4.28-4.60) | | **07401035** |
| | 1.750"- 1.875" | (4.44-4.76) | | **074011260** |
| 2 | 1.812"-1.937" | (4.60-4.92) | F7 | **074011261** |
| | 1.937"-2.062" | (4.92-5.24) | | **074011262*** |
| | 2.062"-2.187" | (5.24-5.55) | | **074011263*** |
| | 2.187"-2.312" | (5.55-5.87) | | **074011264*** |
| | 2.312"-2.437" | (5.87-6.19) | | **074011265*** |
| 2½ | 1.688"-1.812" | (4.29-4.60) | F7 | **074011030** |
| | 1.812"-1.937" | (4.60-4.92) | | **074011031** |
| | 1.937"-2.062" | (4.92-5.24) | | **074011032** |
| | 2.062"-2.187" | (5.24-5.55) | | **074011033** |
| | 2.187"-2.312" | (5.55-5.87) | | **074011034** |
| | 2.312"-2.437" | (5.87-6.19) | | **074011266*** |
| 3 | 1.937"-2.062" | (4.92-5.24) | F7 | **074011036** |
| | 2.062"-2.187" | (5.24-5.55) | | **074011037** |
| | 2.187"-2.312" | (5.55-5.87) | | **074011038** |
| | 2.312"-2.437" | (5.87-6.19) | | **074011039** |
| 3 | 2.437"-2.625" | (6.19-6.67) | F8 | **074011186** |
| | 2.625"-2.812" | (6.67-7.14) | | **074011187** |
| | 2.812"-3.000" | (7.14-7.62) | | **074011188** |
| | 3.000"-3.250" | (7.62-8.25) | | **074011189*** |

*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*
**Cable jacket may have to be stripped to pass through connector body.*

*Dimensions in Inches (mm)*

## Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*

### Straight Female Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ½ | .375"-.500" | (.95-1.27) | F2 | **07401043** |
| | .500"-.625" | (1.27-1.59) | | **07401045** |
| ¾ | .500"-.625" | (1.27-1.59) | F2 | **07401052** |
| ¾ | .625"-.750" | (1.59-1.90) | F4 | **07401053** |



### 90° Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ⅜ | .250"-.312" | (.63-.79) | F1 | **07401071** |
| | .312"-.375" | (.79-.95) | | **07401072** |
| | .375"-.437" | (.95-1.11) | | **07401073** |
| ½ | .187"-.250" | (.47-.63) | F2 | **07401074** |
| | .250"-.375" | (.63-.95) | | **07401076** |
| | .375"-.500" | (.95-1.27) | | **07401078** |
| | .500"-.625" | (1.27-1.59) | | **07401080*** |
| ¾ | .375"-.500" | (.95-1.27) | F3 | **07401081** |
| | .500"-.625" | (1.27-1.59) | | **07401083** |
| | .625"-.750" | (1.59-1.90) | | **07401084*** |
| | .750"-.875" | (1.90-2.22) | | **074011275*** |
| 1 | .500"-.625" | (1.27-1.59) | F4 | **07401085** |
| | .625"-.750" | (1.59-1.90) | | **07401087** |
| | .750"-.875" | (1.90-2.22) | | **07401089** |
| | .875"-1.000" | (2.22-2.54) | | **07401091*** |
| | 1.000"-1.125" | (2.54-2.86) | | **074011229*** |
| 1¼ | .750"-.875" | (1.90-2.22) | F5 | **074011230** |
| | .875"-1.000" | (2.22-2.54) | | **07401137** |
| | 1.000"-1.125" | (2.54-2.86) | | **07401108** |
| | 1.125"-1.250" | (2.86-3.17) | | **074011042*** |
| | 1.250"-1.375" | (3.18-3.51) | | **074011043** |
| 1½ | 1.000"-1.125" | (2.54-2.86) | F5 | **074011045** |
| | 1.125"-1.250" | (2.86-3.17) | | **074011046** |
| | 1.250"-1.375" | (3.17-3.49) | | **074011047** |
| 2 | 1.312"-1.437" | (3.33-3.65) | F6 | **074011233** |
| | 1.437"-1.562" | (3.65-3.97) | | **074011244** |
| | 1.562"-1687" | (3.96-4.29) | | **074011245** |
| | 1.687"-1.812" | (4.28-4.60) | | **074011246** |
| | 1.750"-1.875" | (4.44-4.76) | | **074011234*** |



### 45° Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ½ | .250"-.375" | (.63-.95) | F2 | **074011236** |
| | .375"-.500" | (.95-1.27) | | **074011021** |
| | .500"-.625" | (1.27-1.59) | | **074011237*** |
| ¾ | .500"-.625" | (1.27-1.59) | F3 | **074011049** |
| | .625"-.750" | (1.59-1.90) | | **074011051*** |
| | .750"-.875" | (1.90-2.22) | | **074011239*** |
| 1 | .625"-.750" | (1.59-1.90) | F4 | **074011055** |
| | .750"-.875" | (1.90-2.22) | | **074011057** |
| | .875"-1.000" | (2.22-2.54) | | **074011199*** |
| 1¼ | 1.000"-1.125" | (2.54-2.86) | F5 | **074011059** |
| | 1.125"-1.250" | (2.86-3.17) | | **074011060** |



*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*
**Cable jacket may have to be stripped to pass through connector body.*

*Dimensions in Inches (mm)*

## Deluxe Cord Grips

Nylon Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*



### Straight Male Thread

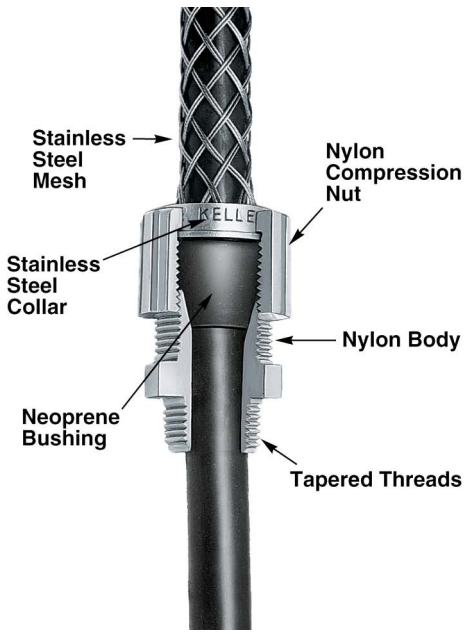
| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ½ | .187"-.250" | (.47-.63) | F2 | **074011331** |
| | .250"-.375" | (.63-.95) | | **074011332** |
| | .375"-.500" | (.95-1.27) | | **074011333** |
| | .500"-.625" | (1.27-1.59) | | **074011334*** |
| ¾ | .375"-.500" | (.95-1.27) | F3 | **074011335** |
| | .500"-.625" | (1.27-1.59) | | **074011336** |
| | .625"-.750" | (1.59-1.90) | | **074011337** |
| | .750"-.875" | (1.90-2.22) | | **074011338*** |
| 1 | .625"-.750" | (1.59-1.90) | F4 | **074011341** |
| | .750"-.875" | (1.90-2.22) | | **074011342** |
| | .875"-1.000" | (2.22-2.54) | | **074011343** |
| | 1.000"-1.125" | (2.54-2.86) | | **074011344*** |



### 90° Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ½ | .250"-.375" | (.63-.95) | F2 | **074011346** |
| | .375"-.500" | (.95-1.27) | | **074011347** |
| | .500"-.625" | (1.27-1.59) | | **074011348*** |
| ¾ | .375"-.500" | (.95-1.27) | F3 | **074011349** |
| | .500"-.625" | (1.27-1.59) | | **074011350** |
| | .625"-.750" | (1.59-1.90) | | **074011351*** |

*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*
**Cable jacket may have to be stripped to pass through connector body.*




*Dimensions in Inches (mm)*

## Deluxe Cord Grips

Nylon Fittings, Non-Metallic Mesh, and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*

### Nylon Fittings Non-Metallic Mesh, Liquidtight for Insulated Cables
### Straight Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ⅜ | .187"-.250" | (.47-.63) | F1 | **CG304NM** |
| | .250"-.312" | (.63-.79) | | **CG305NM** |
| | .312"-.375" | (.79-.95) | | **CG306NM** |
| ½ | .187"-.250" | (.47-.63) | F2 | **CG404NM** |
| | .250"-.375" | (.63-.95) | | **CG406NM** |
| | .375"-.500" | (.95-1.27) | | **CG408NM** |
| ¾ | .375"-.500" | (.95-1.27) | F3 | **CG608NM** |
| | .500"-.625" | (1.27-1.59) | | **CG610NM** |
| | .625"-.750" | (1.59-1.90) | | **CG612NM** |
| 1 | .500"-.625" | (1.27-1.59) | F4 | **CG810NM** |
| | .625"-.750" | (1.59-1.90) | | **CG812NM** |
| | .750"-.875" | (1.90-2.22) | | **CG814NM** |
| | .875"-1.000" | (2.22-2.54) | | **CG816NM** |



### 90° Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ½ | .250"-.375" | (.63-.95) | F2 | **CG40690NM** |
| | .375"-.500" | (.95-1.27) | | **CG40890NM** |
| ¾ | .375"-.500" | (.95-1.27) | F3 | **CG60890NM** |
| | .500"-.625" | (1.27-1.59) | | **CG61090NM** |
| | .625"-.750" | (1.59-1.90) | | **CG61290NM*** |
| 1 | .625"-.750" | (1.59-1.90) | F4 | **CG81290NM** |
| | .750"-.875" | (1.90-2.22) | | **CG81490NM** |



### Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables
### Straight Male Thread

| NPT Thread Size Inches | Grip Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| ½ | .187"-.250" | (.47-.63) | F2 | **CG404SST** |
| | .250"-.375" | (.63-.95) | | **CG406SST** |
| | .375"-.500" | (.95-1.27) | | **CG408SST** |
| | .500"-.625" | (1.27-1.59) | | **CG410SST** |
| ¾ | .375"-.500" | (.95-1.27) | F2 | **CG608SST** |
| | .500"-.625" | (1.27-1.59) | | **CG610SST** |
| ¾ | .625"-.750" | (1.59-1.90) | F3 | **CG612SST** |
| | .750"-.875" | (1.90-2.22) | | **CG614SST** |
| 1 | .500"-.625" | (1.27-1.59) | F4 | **CG810SST** |
| | .625"-.750" | (1.59-1.90) | | **CG812SST** |
| | .750"-.875" | (1.90-2.22) | | **CG814SST** |
| | .875"-1.000" | (2.22-2.54) | | **CG816SST** |



*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*
**Cable jacket may have to be stripped to pass through connector body.*

*Dimensions in Inches (mm)*

## PG and Metric Threaded Deluxe Cord Grips

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*



### Straight PG* Male Thread

| Hub Size | Cord Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| PG16 | .500"-.625" | (1.27-1.59) | F2 | **074PG16010** |
| PG21 | .500"-.625" | (1.27-1.59) | F2 | **074PG21010** |
| PG21 | .625"-.750" | (1.59-1.90) | F3 | **074PG211247** |
| | .750"-.875" | (1.90-2.22) | | **074PG211248** |
| PG29 | .625"-.750" | (1.59-1.90) | F4 | **074PG29021** |
| | .750"-.875" | (1.90-2.22) | | **074PG29023** |
| | .875"-1.000" | (2.22-2.54) | | **074PG29025** |
| PG29 | 1.125"-1.250" | (2.86-3.17) | F5 | **074PG291028*** |
| PG36 | 1.125"-1.250" | (2.86-3.17) | F5 | **074PG36028*** |

*Note: *Panzergewinde.*



### Straight Metric Male Thread

| Hub Size | Cord Diameter Range Inches (cm) | | Form Size | Catalog Number |
|---|---|---|---|---|
| M20 | .500"-.625" | (1.27-1.59) | F2 | **074M20010** |
| M25 | .625"-.750" | (1.59-1.90) | F3 | **074M251247** |
| | .750"-.875" | (1.90-2.22) | | **074M251248** |
| M25 | .500"-.625" | (1.27-1.59) | F2 | **074M25017** |
| M32 | .625"-.750" | (1.59-1.90) | F4 | **074M32021** |
| | .750"-.875" | (1.90-2.22) | | **074M32023** |
| | .875"-1.000" | (2.24-2.54) | | **074M32025** |
| | 1.000"-1.125" | (2.54-2.86) | | **074M321250** |
| M32 | 1.125"-1.250" | (2.86-3.17) | F5 | **074M321028** |

*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).*
**Cable jacket may have to be stripped to pass through connector body.*

### Specifications

| Material | Temperature Range |
|---|---|
| Aluminum (Body) | –30°F to +240°F (–34°C to +115°C). |
| Stainless Steel (Mesh) | –30°F to +240°F (–34°C to +115°C). |
| Neoprene (Bushings) | –30°F to +240°F (–34°C to +115°C). |
| Hazardous Locations | Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b). |
| Approvals | |
| Deluxe Cord Grips | UL Listed in accordance with Standard 514B for indoor/outdoor use. UL Control numbers 898D and 899D. |
| Wet Locations | Suitable for use in wet locations when used with a listed sealing ring between box and fitting. |

*Dimensions in Inches (mm)*

## Dust-Tight Strain Relief Grips

Aluminum Fittings, Galvanized Steel Mesh for Insulated Cables.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*

### Non-Insulated, Wide Range Strain Relief

| Thread Size | Cord Diameter Range Inches (cm) | | Mesh Length @ Nom. Dia. Inches (cm) | Catalog Number |
|---|---|---|---|---|
| | .24"-.32" | (.61-.81) | 3.25" (8.25) | **073031200** |
| ½ NPT | .32"-.43" | (.81-1.09) | 3.75" (9.52) | **073031201** |
| | .43"-.54" | (1.09-1.37) | 4.75" (12.06) | **073031202** |
| ¾ NPT | .54"-.73" | (1.37-1.85) | 6.5" (16.51) | **073031203A** |
| 1 NPT | .73"-.97" | (1.85-2.46) | 7" (17.78) | **073031204** |
| 1¼ NPT | .97"-1.25" | (2.46-3.17) | 9" (22.86) | **073031205** |
| PG29* | .73"-.97" | (1.85-2.46) | 7" (17.78) | **073PG291204** |

*Note: *Panzergewinde.*



### Insulated, Wide Range Strain Relief with Insulating Bushing

| Thread Size | Cord Diameter Range Inches (cm) | | Mesh Length @ Nom. Dia. Inches (cm) | Dim. A Inches (cm) | Min. Space Between Grips Inches (cm) | Catalog Number |
|---|---|---|---|---|---|---|
| | .24"-.32" | (.61-.81) | 3.25" (8.25) | 1" (2.54) | 1.25" (3.17) | **073031206** |
| ½ NPS | .32"-.43" | (.81-1.09) | 3.75" (9.52) | 1" (2.54) | 1.25" (3.17) | **073031207** |
| | .43"-.54" | (1.09-1.37) | 4.75" (12.06) | 1" (2.54) | 1.25" (3.17) | **073031208** |
| ¾ NPS | .54"-.73" | (1.37-1.85) | 6.5" (16.51) | 1" (2.54) | 1.5" (3.81) | **073031209A** |
| 1 NPS | .73"-.97" | (1.85-2.46) | 7" (17.78) | 1.313" (3.02) | 1.75" (4.44) | **073031210** |
| 1¼ NPS | .97"-1.25" | (2.46-3.17) | 9" (22.86) | 1.313" (3.02) | 2.25" (5.71) | **073031211** |
| 1½ NPT | 1.25"-1.50" | (3.17-3.81) | 11.75" (29.84) | 1.313" (3.02) | 2.5" (6.35) | **073031212** |
| 2 NPT | 1.50"-1.70" | (3.81-4.32) | 13.25" (33.65) | 1.375" (3.49) | 3.25" (8.25) | **073031213** |
| 2½ NPT | 1.70"-2.00" | (4.32-5.08) | 13.5" (34.29) | 1.5" (3.81) | 3.625" (9.21) | **073031214** |
| | 2.00"-2.45" | (5.08-6.22) | 13.75" (34.92) | 1.5" (3.81) | 3.625" (9.21) | **073031215** |




*Dimensions in Inches (mm)*

## I-Grips for Insulated Cables

Kellems® I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*



### Application

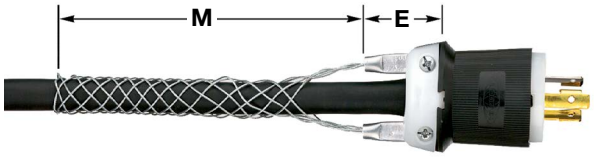
Kellems® I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place.

I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples.

These grips are for indoor use only.

### Benefits

- Easily attached to Insulgrip plugs and connector bodies
- Controls cable arc-of-bend
- Provides heavy-duty strain relief
- Fits all sizes




### I-Grips

| Cable Diameter Range Inches (cm) | | E Inches (cm) | M Inches (cm) | Catalog Number |
|---|---|---|---|---|
| .32"-.43" | (.81-1.09) | 1.25" (3.17) | 4" (10.16) | **07310001** |
| .43"-.56" | (1.09-1.42) | 1.25" (3.17) | 4.75" (12.06) | **07310002** |
| .56"-.73" | (1.42-1.85) | 1.50" (3.81) | 6" (15.24) | **07310003** |
| .73"-.85" | (1.85-2.16) | 1.50" (3.81) | 6.5" (16.51) | **07310004** |
| .85"-1.00" | (2.16-2.54) | 1.50" (3.81) | 8" (20.32) | **07310005** |
| 1.00"-1.25" | (2.54-3.17) | 1.50" (3.81) | 10" (25.40) | **07310006** |

*Note: E-Eye length. M-Mesh length at nominal diameter.*
*Eyelet hole diameter .203" (.52cm).*
*I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.*

*Dimensions in Inches (mm)*

## Thread Adapters for Multi-Pin Connectors

Kellems® Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

### Applications

Thread adapters allow the installation of Kellems® Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.

### Benefits

- Easy installation
- Allows the use of Kellems grips
- Extends connector and cable life



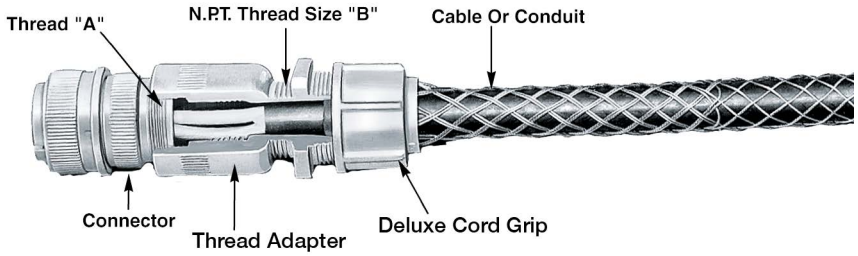

**091041006**
Thread Adapter

### Thread Adapters for Multi-Pin Connectors

| Thread Adapters | | | | | Deluxe Cord Grips | | Strain Relief Grips | | Liquidtight Conduit Grips (Insulated Throat) |
|---|---|---|---|---|---|---|---|---|---|
| AN-MS Connector Size** | AN-MS Cable Clamp Number*** | Thread Size A Inch | NPT Thread Size B | Catalog Number | Cable Diameter Range Inches (cm) | Catalog Number | Cable Diameter Range Inches (cm) | Catalog Number | Catalog Number |
| 8S, 10S | 3057-3 | ½" x 28" | | **091041000** | .250"-.312" (.63-.79) | 07401001 | | | |
| 10SL, 12, 12S | 3057-4 | ⅝" x 24" | ⅜ | **091041001** | .312"-.375" (.79-.95) | 07401002 | — | — | — |
| 14, 14S | 3057-6 | ¾" x 20" | | **091041002** | .375"-.437" (.95-1.11) | 07401003 | | | |
| 14, 14S | 3057-6 | ¾" x 20" | | **091041003** | .187"-.250" (.47-.63 | 07401004 | .24"-.32" (.61-.81) | 073031200 | — |
| 16, 16S | 3057-8 | ⅞" x 20" | ½ | **091041004** | .250"-.375" (.63-.95) | 07401006 | .32"-.43" (.81-1.09) | 073031201 | 074093512 |
| 18 | 3057-10 | 1" x 20" | | **091041006** | .375"-.500" (.95-1.27) | 07401008 | .43"-.54" (1.09-1.37) | 073031202 | — |
| | | | | | .500"-.625" (1.27-1.59) | 07401010* | | | |
| 16, 16S | 3057-8 | ⅞" x 20" | | **091041005** | .187"-.250" (.47-.63) | 07401011 | | | |
| 18 | 3057-10 | 1" x 20" | ¾ | **091041007** | .250"-.375" (.63-.95) | 07401013 | | | |
| 20, 22 | 3057-12 | 1 3/16" x 18" | | **091041008** | .375"-.500" (.95-1.27) | 07401015 | .54"-.74" (1.37-1.85) | 073031203 | 074093513 |
| | | | | | .500"-.625" (1.27-1.59) | 07401017 | | | |
| | | | | | .625"-.750" (1.59-1.90) | 07401018 | | | |
| 20, 22 | 3057-12 | 1 3/16" x 18" | | **091041009** | .375"-.500" (.95-1.27) | 074011195 | | | |
| 24, 28 | 3057-16 | 1 7/16" x 18" | | **091041010** | .500"-.625" (1.27-1.59) | 07401019 | | | |
| 32 | 3057-20 | 1¾" x 18" | 1 | **091041012** | .625"-.750" (1.59-1.90) | 07401021 | .73"-.97" (1.85-2.46) | 073031204 | 074093514 |
| 36 | 3057-24 | 2" x 18" | | **091041015** | .750"-.875" (1.90-2.22) | 07401023 | | | |
| | | | | | .875"-1.000" (2.22-2.54) | 07401025 | | | |
| 24, 28 | 3057-16 | 1 7/16" x 18" | | **091041011** | .750"-.875" (1.90-2.22) | 074011251 | | | |
| 32 | 3057-20 | 1¾" x 18" | 1¼ | **091041013** | .875"-1.000" (2.22-2.54) | 07401026 | | | |
| 36 | 3057-24 | 2" x 18" | | **091041016** | 1.000"-1.125" (2.54-2.86) | 07401027 | .97"-1.25" (2.46-3.17) | 073031205 | 074093515 |
| | | | | | 1.125"-1.375" (2.86-3.17) | 07401028 | | | |
| 32 | 3057-20 | 1¾" x 18" | | **091041014** | .875"-1.000" (2.22-2.54) | 07401029 | | | |
| 36 | 3057-24 | 2" x 18" | 1½ | **091041017** | 1.000"-1.125" (2.54-2.86) | 07401030 | | | |
| 40 | 3057-28 | 2¼" x 16" | | **091041019** | 1.125"-1.250" (2.86-3.17) | 07401031 | — | — | 074093516 |
| | | | | | 1.250"-1.375" (3.17-3.49) | 07401032 | | | |

*Note: *Cable jacket may have to be stripped to pass through connector body.*
***Number stamped on connector shell.*
****Number stamped on clamp shell.*

**Example**




*Dimensions in Inches (mm)*

## Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*

### Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime



### Straight With Male Fitting

| Conduit Trade Size Inches | NPT Fitting Size Inches | Mesh Length Inches | (cm) | Catalog Number (Insulated) | Catalog Number (Non-insulated) |
|---|---|---|---|---|---|
| ⅜ | ½ | 3" | (7.62) | **074093511** | **074093401** |
| ½ | ½ | 3.5" | (8.89) | **074093512** | **074093402** |
| ¾ | ¾ | 4" | (10.16) | **074093513** | **074093403** |
| 1 | 1 | 5" | (12.70) | **074093514** | **074093404** |
| 1¼ | 1¼ | 6" | (15.24) | **074093515** | **074093405** |
| 1½ | 1½ | 6.75" | (17.14) | **074093516** | **074093406** |
| 2 | 2 | 8" | (20.32) | **074093518** | **074093408** |
| 2½ | 2½ | 9.75" | (24.76) | **074093520** | **074093410** |
| 3 | 3 | 11" | (27.94) | **074093522** | **074093412** |
| 4 | 4 | 14" | (35.56) | **074093526** | — |



### 90° Angle With Male Fitting

| Conduit Trade Size Inches | NPT Fitting Size Inches | Mesh Length Inches | (cm) | Catalog Number (Insulated) | Catalog Number (Non-insulated) |
|---|---|---|---|---|---|
| ⅜ | ½ | 3" | (7.62) | **074093541** | **074093421** |
| ½ | ½ | 3.5" | (8.89) | **074093542** | **074093422** |
| ¾ | ¾ | 4" | (10.16) | **074093543** | **074093423** |
| 1 | 1 | 5" | (12.70) | **074093544** | **074093424** |
| 1¼ | 1¼ | 6" | (15.24) | **074093545** | **074093425** |
| 1½ | 1½ | 6.75" | (17.14) | **074093546** | **074093426** |
| 2 | 2 | 8" | (20.32) | **074093548** | **074093428** |
| 2½ | 2½ | 9.75" | (24.76) | **074093550** | — |
| 3 | 3 | 11" | (27.94) | **074093552** | — |

*Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.*

*Dimensions in Inches (mm)*

## Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*

### Straight With Chase Fitting



| Conduit Trade Size Inches | NPT Fitting Size Inches | Mesh Length Inches | (cm) | Catalog Number |
|---|---|---|---|---|
| ½ | ½ | 3.5" | (8.89) | **07406079** |
| ¾ | ¾ | 4" | (10.16) | **07406080** |
| 1 | 1 | 5" | (12.70) | **07406081** |
| 1¼ | 1¼ | 6" | (15.24) | **07406082** |
| 1½ | 1½ | 6.75" | (17.14) | **07406083** |

### 45° Angle With Male Fitting



| Conduit Trade Size Inches | NPT Fitting Size Inches | Mesh Length Inches | (cm) | Catalog Number (Insulated) | Catalog Number (Non-insulated) |
|---|---|---|---|---|---|
| ⅜ | ½ | 3" | (7.62) | **074093561** | **074093441** |
| ½ | ½ | 3.5" | (8.89) | **074093562** | **074093442** |
| ¾ | ¾ | 4" | (10.16) | **074093563** | **074093443** |
| 1 | 1 | 5" | (12.70) | **074093564** | **074093444** |
| 1¼ | 1¼ | 6" | (15.24) | **074093565** | **074093445** |
| 1½ | 1½ | 6.75" | (17.14) | **074093566** | **074093446** |
| 2 | 2 | 8" | (20.32) | **074093568** | **074093448** |

*Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.*

*Dimensions in Inches (mm)*

## Strain Relief for Liquidtight Conduit

Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit.

**IMPORTANT:**
**Read all safety and technical data relating to this product.**

*Refer to pages W-61 through W-68.*



### Straight Male Hubbell Fitting

| Conduit Trade Size Inches | NPT Fitting Size Inches | Mesh Length Inches | (cm) | Catalog Number |
|---|---|---|---|---|
| ⅜ | ½ | 3.75" | (9.52) | **H038CNK** |
| ½ | ½ | 4.5" | (11.43) | **H050CNK** |
| ¾ | ¾ | 6.25" | (15.87) | **H075CNK** |
| 1 | 1 | 7.5" | (19.05) | **H100CNK** |
| 1¼ | 1¼ | 9" | (22.86) | **H125CNK** |
| 1½ | 1½ | 13.5" | (34.29) | **H150CNK** |
| 2 | 2 | 14.5" | (36.83) | **H200CNK** |



### 90° Male Hubbell Fitting

| Conduit Trade Size Inches | NPT Fitting Size Inches | Mesh Length Inches | (cm) | Catalog Number |
|---|---|---|---|---|
| ⅜ | ½ | 3.75" | (9.52) | **H0389CNK** |
| ½ | ½ | 4.5" | (11.43) | **H0509CNK** |
| ¾ | ¾ | 6.25" | (15.87) | **H0759CNK** |
| 1 | 1 | 7.5" | (19.05) | **H1009CNK** |
| 1¼ | 1¼ | 9" | (22.86) | **H1259CNK** |
| 1½ | 1½ | 13.5" | (34.29) | **H1509CNK** |
| 2 | 2 | 14.5" | (36.83) | **H2009CNK** |

*Dimensions in Inches (mm)*

## Wire Mesh Grip Materials

| Material | Features | Product Group |
|---|---|---|
| Galvanized steel wire | • High strength<br>• Not subject to continuous outside environment | • Strain relief grips<br>• I-Grips |
| Stainless steel wire (302/304) | • High strength<br>• Corrosion resistant<br>• Slightly magnetic | • Deluxe cord grips<br>• Liquidtight, flexible, metal conduit grips<br>• UL type A conduit grips |
| Non-metallic strand | • Superior flex life<br>• Non-conductive<br>• Corrosion resistant<br>• Moderate strength | • Non-metallic deluxe cord grips |

## Operating Temperatures

| Material | Temperature Range |
|---|---|
| Aluminum | –40°F to +300°F (–40°C to +149°C). |
| Aluminum Deluxe Cord Grips | –30°F to +240°F (–34°C to +115°C). |
| Non-Metallic Deluxe Cord Grips | –30°F to +225°F (–34°C to +107°C). |
| Nylon | –40°F to +225°F (–40°C to +107°C). |
| Nylon Fitting with Stainless Steel Mesh | –40°F to +225°F (–40°C to +107°C). |
| Stainless Steel | –60°F to +1000°F (–51°C to +537°C). |
| Stainless Steel Deluxe Cord Grips | –30°F to +240°F (–34°C to +115°C). |
| Neoprene (Bushings) | –30°F to +240°F (–34°C to +115°C). |

## Hazardous Locations

| | Product Categories |
|---|---|
| The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2. | Deluxe cord grip, aluminum fitting;<br>Deluxe cord grip, nylon fitting;<br>Deluxe cord grip, non-metallic;<br>Seal-Tite® conduit grips;<br>Dustight strain relief grips. |

## Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

| Component | Rating |
|---|---|
| Mesh grip | UL 94HB. |
| Fitting | UL 94X-2. |

## Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

| Agency | UL Control Number |
|---|---|
| Underwriters Laboratories Inc. | 898D and 899D. |
| | UL Listed in accordance with Standard 514B for indoor/outdoor use. |

## Wet Locations

| | Product Categories |
|---|---|
| The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting. | Deluxe cord grip, aluminum fitting;<br>Deluxe sealing ring cord grip;<br>Deluxe cord grip, non-metallic;<br>Seal-Tite® conduit grips;<br>Hubbell non-metallic conduit grips;<br>Cord connectors;<br>Hubbell Juniors;<br>PolyTuff® connectors;<br>Hubbell Seal-Tite® conduit connectors. |

## Form Size Definition

The term “Form Size” refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

## Knockout Holes

| NPT Hub Size Inches | Knockout Hole Recommended Min. to Max. Inches (cm) | | | |
|---|---|---|---|---|
| ¼ | .540" | to | .570" | (1.37-1.45) |
| ⅜ | .671" | to | .701" | (1.70-1.78) |
| ½ | .859" | to | .906" | (2.18-2.30) |
| ¾ | 1.094" | to | 1.141" | (2.78-2.90) |
| 1 | 1.359" | to | 1.406" | (3.45-3.57) |
| 1¼ | 1.719" | to | 1.766" | (4.37-4.49) |
| 1½ | 1.969" | to | 2.016" | (5.00-5.12) |
| 2 | 2.453" | to | 2.500" | (6.23-6.35) |
| 2½ | 2.953" | to | 3.000" | (7.50-7.62) |
| 3 | 3.578" | to | 3.625" | (9.09-9.21) |

## Product Data

### Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page W-53.

### Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

### Benefits

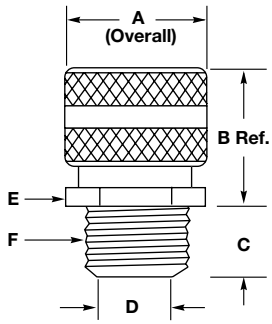
- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar

## Deluxe Cord Grips Fitting Dimensions

### Straight Hubbell Connectors

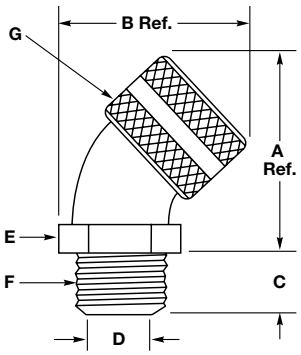
| | | Aluminum, Inches (cm) | | | | | | Nylon, Inches (cm) | | | | | | Stainless Steel, Inches (cm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | A A/C* | A A/F* | B Ref. | C | D Throat Dia. | E A/C* | E A/F* |
| ⅜-18 | 1 | .88" (2.24) | .90" (2.29) | .46" (1.17) | .44" (1.12) | .99" (2.51) | .88" (2.24) | 1.00" (2.54) | 1.10" (2.79) | .43" (1.09) | .45" (1.14) | 1.00" (2.54) | .93" (2.36) | 1.01" (2.57) | .88" (2.24) | .90" (2.29) | .46" (1.17) | .45" (1.14) | .87" (2.21) | .75" (1.90) |
| ½-14 | 1 | .88" (2.24) | .90" (2.29) | .46" (1.17) | .44" (1.12) | .99" (2.51) | .88" (2.24) | 1.00" (2.54) | 1.10" (2.79) | .43" (1.09) | .45" (1.14) | 1.00" (2.54) | .93" (2.36) | — | — | — | — | — | — | — |
| ½-14 | 2 | 1.13" (2.87) | 1.10" (2.79) | .55" (1.40) | .64" (1.63) | 1.11" (2.82) | 1.00" (2.54) | 1.32" (3.35) | 1.50" (3.81) | .53" (1.35) | .58" (1.47) | 1.25" (3.17) | 1.12" (2.84) | 1.30" (3.30) | 1.13" (2.87) | 1.10" (2.79) | .54" (1.37) | .63" (1.60) | 1.16" (2.95) | 1.00" (2.54) |
| ½-14 | 3 | 1.38" (3.51) | 1.50" (3.81) | .55" (1.40) | .64" (1.63) | 1.40" (3.56) | 1.25" (3.17) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| ¾-14 | 2 | 1.13" (2.87) | 1.10" (2.79) | .55" (1.40) | .64" (1.63) | 1.29" (3.28) | 1.13" (2.87) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| ¾-14 | 3 | 1.38" (3.51) | 1.50" (3.81) | .55" (1.40) | .82" (2.08) | 1.40" (3.56) | 1.25" (3.17) | 1.56" (3.96) | 1.60" (4.06) | .55" (1.40) | .77" (1.96) | 1.44" (3.66) | 1.31" (3.33) | 1.59" (4.04) | 1.38" (3.51) | 1.30" (3.30) | .56" (1.42) | .81" (2.06) | 1.44" (3.66) | 1.25" (3.17) |
| 1-11½ | 3 | — | — | — | — | — | | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1-11½ | 4 | 1.75" (4.44) | 1.60" (4.06) | .71" (1.80) | 1.02" (2.59) | 1.81" (4.60) | 1.62" (4.11) | 1.88" (4.78) | 1.75" (4.44) | .70" (1.78) | 1.01" (2.57) | 1.84" (4.67) | 1.63" (4.14) | 2.02" (5.13) | 1.75" (4.44) | 1.40" (3.56) | .70" (1.78) | 1.03" (2.62) | 1.88" (4.78) | 1.63" (4.14) |
| 1-11½ | 5 | 2.31" (5.87) | 1.70" (4.32) | .66" (1.68) | 1.01" (2.57) | 2.28" (5.79) | 2.00" (5.08) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1¼-11½ | 5 | 2.31" (5.87) | 1.70" (4.32) | .74" (1.88) | 1.26" (3.20) | 2.28" (5.79) | 2.12" (5.38) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1½-11 | 5 | 2.31" (5.87) | 1.70" (4.32) | .74" (1.88) | 1.38" (3.51) | 2.28" (5.79) | 2.12" (5.38) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1½-11½ | 6 | 3.00" (7.62) | 2.20" (5.59) | .75" (1.90) | 1.50" (3.81) | 2.97" (7.54) | 2.75" (6.98) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2-11½ | 6 | 3.00" (7.62) | 2.20" (5.59) | .80" (2.03) | 1.92" (4.88) | 3.24" (8.24) | 3.00" (7.62) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2-11½ | 7 | 3.85" (9.78) | 2.70" (6.86) | .88" (2.24) | 1.94" (4.93) | 4.05" (10.29) | 3.75" (9.52) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2½-8 | 7 | 3.85" (9.78) | 2.70" (6.86) | 1.30" (3.30) | 2.32" (5.89) | 4.34" (11.02) | 4.02" (10.21) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2½-8 | 8 | 4.75" (12.06) | 2.70" (6.86) | 1.25" (3.17) | 2.38" (6.05) | 4.86" (12.34) | 4.50" (11.43) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3-8 | 7 | 3.85" (9.78) | 2.70" (6.86) | 1.30" (3.30) | 2.54" (6.45) | 4.34" (11.02) | 4.01" (10.21) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 3-8 | 8 | 4.50" (11.43) | 2.70" (6.86) | 1.38" (3.51) | 3.00" (7.62) | 4.86" (12.34) | 4.50" (11.43) | — | — | — | — | — | — | — | — | — | — | — | — | — |

*Note: *A/C— Across Corners; A/F—Across Flats.*




*Dimensions shown are approximate and are subject to change without notice.*

## Deluxe Cord Grips Fitting Dimensions



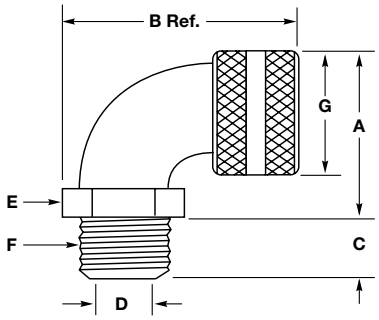

### 45° Hubbell Connectors

| | | Aluminum, Inches (cm) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A Ref. | B Ref. | C | D Throat Dia. | E Across Comers | E Across Flats | G Dia. |
| ½-14 | 2 | 2.00" (5.08) | 1.90" (4.83) | .550" (1.40) | .560" (1.42) | 1.270" (3.23) | 1.110" (2.79) | 1.125" (2.86) |
| ¾-14 | 3 | 2.30" (5.84) | 2.50" (6.53) | .560" (1.42) | .750" (1.90) | 1.480" (3.76) | 1.281" (3.25) | 1.375" (3.49) |
| 1-11½ | 4 | 2.60" (6.60) | 2.80" (7.11) | .700" (1.78) | 1.000" (2.54) | 1.690" (4.29) | 1.500" (3.81) | 1.750" (4.44) |
| 1¼-11½ | 5 | 3.90" (9.91) | 3.90" (9.91) | .740" (1.88) | 1.250" (3.17) | 2.45" (6.22) | 2.125" (5.40) | 2.310" (5.87) |
| 1½-11½ | 5 | 3.90" (9.91) | 3.90" (9.91) | .740" (1.88) | 1.500" (3.81) | 2.45" (6.22) | 2.125" (5.40) | 2.310" (5.87) |

### 90° Hubbell Connectors

| | | Aluminum, Inches (cm) | | | | | | | Nylon, Inches (cm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | G Dia. | A | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | G Dia. |
| ⅜-18 | 1 | 1.27" (3.23) | 2.00" (5.08) | .460" (1.17) | .440" (1.12) | 1.15" (2.92) | 1.10" (2.79) | .875" (2.22) | — | — | — | — | — | — | — |
| ½-14 | 2 | 1.56" (3.96) | 2.30" (5.84) | .500" (1.27) | .546" (1.39) | 1.30" (3.30) | 1.13" (2.87) | 1.125" (2.86) | 1.41" (3.58) | 2.50" (6.35) | .550" (1.40) | .575" (1.46) | 1.23" (3.12) | 1.12" (2.82) | 1.315" (3.34) |
| ¾-14 | 3 | 1.79" (4.55) | 2.80" (7.11) | .560" (1.42) | .765" (1.94) | 1.49" (3.78) | 1.31" (3.33) | 1.375" (3.49) | 1.65" (4.19) | 2.81" (7.14) | .560" (1.42) | .765" (1.94) | 1.42" (3.61) | 1.29" (3.28) | 1.560" (3.96) |
| 1-11½ | 4 | 2.08" (5.28) | 3.20" (8.13) | .700" (1.78) | 1.000" (2.54) | 1.70" (4.32) | 1.50" (3.81) | 1.750" (4.44) | 1.99" (5.05) | 3.30" (8.38) | .700" (1.78) | 1.010" (2.57) | 1.82" (4.62) | 1.60" (4.06) | 1.875" (4.76) |
| 1¼-11½ | 5 | 3.18" (8.08) | 4.30" (10.92) | .730" (1.85) | 1.260" (3.20) | 2.47" (6.27) | 2.15" (5.46) | 2.310" (5.87) | — | — | — | — | — | — | — |
| 1½-11½ | 5 | 3.18" (8.08) | 4.30" (10.92) | .750" (1.92) | 1.500" (3.81) | 2.47" (6.27) | 2.15" (5.46) | 2.310" (5.87) | — | — | — | — | — | — | — |
| 2-11½ | 6 | 3.51" (8.92) | 5.50" (13.97) | .800" (2.03) | 1.920" (4.88) | 2.98" (7.57) | 2.78" (7.06) | 3.000" (7.62) | — | — | — | — | — | — | — |

*Note: *A/C - Across Corners; A/F - Across Flats.*



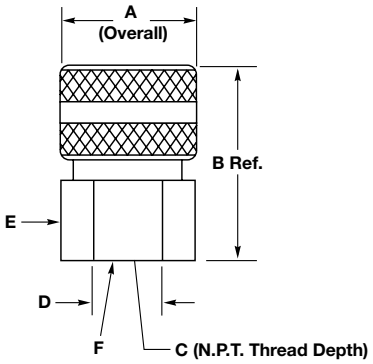

*Dimensions shown are approximate and are subject to change without notice.*

## Deluxe Cord Grips Fitting Dimensions

### Female Hubbell Connectors

Aluminum, Inches (cm)

| F NPT Inches | Form | A Dia. | B Ref. | C | D Throat Dia. | E Across Comers | E Across Flats |
|---|---|---|---|---|---|---|---|
| ⅜-18 | 1 | .88" (2.24) | 1.40" (3.56) | .560" (1.42) | .44" (1.12) | .94" (2.39) | .81" (2.06) |
| ½-14 | 2 | 1.13" (2.87) | 1.80" (4.57) | .560" (1.42) | .63" (1.60) | 1.15" (2.92) | 1.00" (2.54) |
| ¾-14 | 2 | 1.13" (2.87) | 2.10" (5.33) | .750" (1.90) | .63" (1.60) | 1.44" (3.66) | 1.25" (3.17) |
| 1-11½ | 4 | 1.75" (4.44) | 2.30" (5.84) | .880" (2.24) | 1.10" (2.79) | 1.88" (4.78) | 1.63" (4.14) |
| 1¼-11½ | 5 | 2.31" (5.87) | 2.80" (7.11) | .950" (2.41) | 1.43" (3.63) | 2.64" (6.71) | 2.29" (5.82) |
| 1½-11½ | 5 | 2.31" (5.87) | 2.80" (7.11) | .950" (2.41) | 1.43" (3.63) | 2.64" (6.71) | 2.29" (5.82) |




## Product Data

### Dust-Tight Strain Relief Grips for Insulated Cables

Kellems® Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

### Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

### Benefits

- Helps prevent cord or cable pull-out
- Provides a dust tight seal
- Easy installation
- Patented mesh construction
- One piece design

*Dimensions shown are approximate and are subject to change without notice.*

## Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff® I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of NPT sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

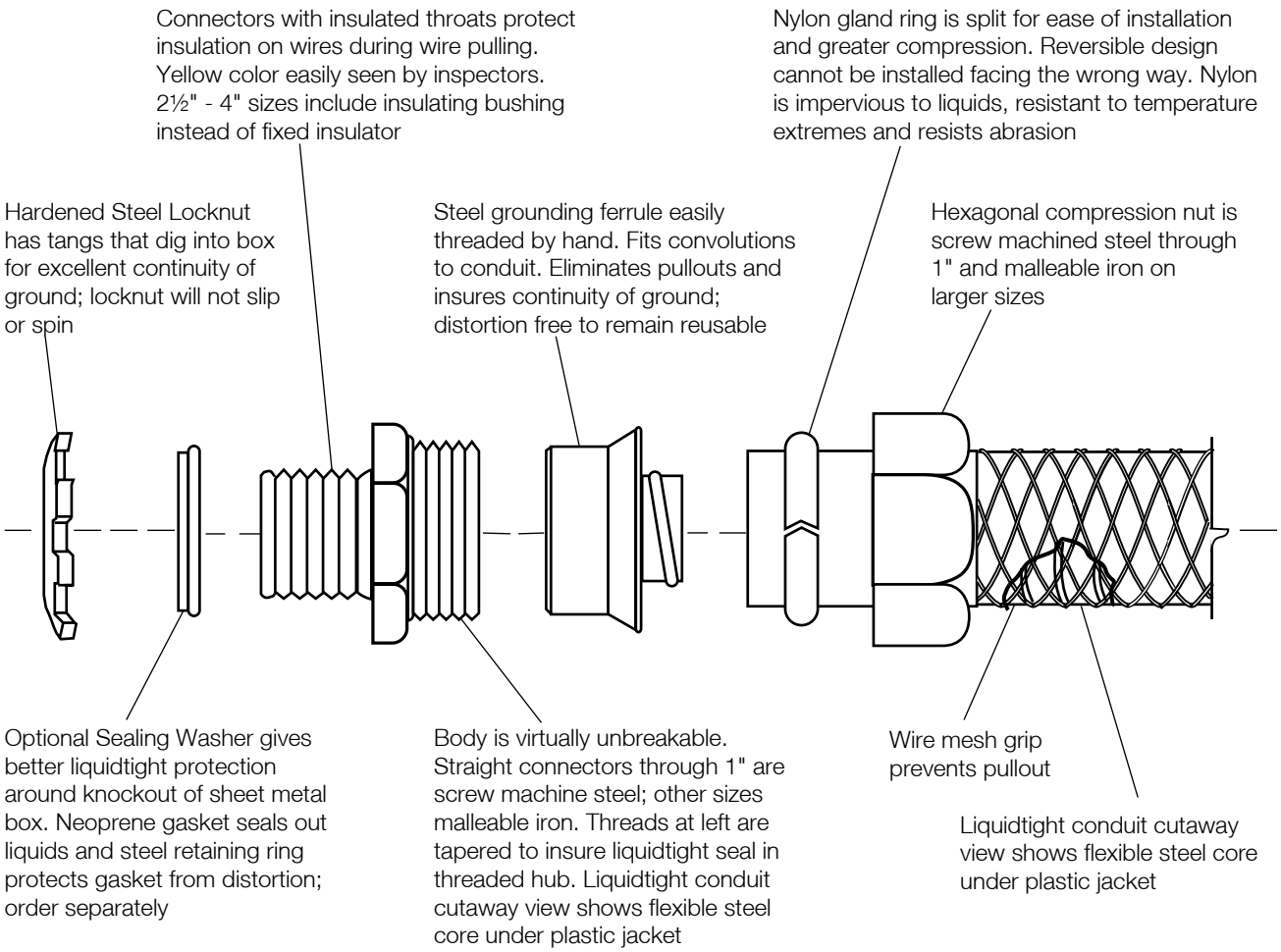
### Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

### Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime
- Liquidtight fittings
- Easily installed
- Stainless steel grip resists corrosion

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.



# Liquidtight Conduit Grip Fitting Dimensions, Inches

## Straight with Male Fitting

Dimensions, Inches

| Trade Size Inches | A Ref. | B Ref. | C A/C* | C A/F* | D Throat Dia. | E A/C* | E A/F* | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| ⅜ | 1.43" | .59" | 1.20" | 1.06" | .61" | 1.07" | .93" | **074093401** |
| ½ | 1.43" | .59" | 1.34" | 1.19" | .61" | 1.22" | 1.06" | **074093402** |
| ¾ | 1.56" | .59" | 1.55" | 1.37" | .84" | 1.43" | 1.25" | **074093403** |
| 1 | 1.68" | .66" | 1.95" | 1.69" | 1.06" | 1.73" | 1.56" | **074093404** |
| 1¼ | 2.03" | .63" | 2.39" | 2.06" | 1.37" | 2.36" | 2.08" | **074093405** |
| 1½ | 2.21" | .63" | 2.72" | 2.38" | 1.53" | 2.79" | 2.48" | **074093406** |
| 2 | 2.28" | .69" | 3.08" | 2.87" | 2.06" | 3.32" | 2.90" | **074093408** |

## Straight with Male Fitting with Insulated Throat

Dimensions, Inches

| Trade Size Inches | A Ref. | B Ref. | C A/C* | C A/F* | D Throat Dia. | E A/C* | E A/F* | Catalog Number |
|---|---|---|---|---|---|---|---|---|
| ⅜ | 1.50" | .66" | 1.20" | 1.06" | .57" | 1.07" | .93" | **074093511** |
| ½ | 1.50" | .66" | 1.34" | 1.19" | .57" | 1.22" | 1.06" | **074093512** |
| ¾ | 1.62" | .66" | 1.55" | 1.38" | .78" | 1.43" | 1.25" | **074093513** |
| 1 | 1.75" | .72" | 1.95" | 1.69" | .98" | 1.73" | 1.56" | **074093514** |
| 1¼ | 2.09" | .69" | 2.39" | 2.06" | 1.29" | 2.36" | 2.08" | **074093515** |
| 1½ | 2.28" | .69" | 2.72" | 2.37" | 1.53" | 2.79" | 2.48" | **074093516** |
| 2 | 2.34" | .75" | 3.08" | 2.87" | 1.95" | 3.32" | 2.90" | **074093518** |
| 2½ | 3.56" | 1.06" | 3.92" | 3.62" | 2.42" | 3.85" | 3.60" | **074093520** |
| 3 | 3.81" | 1.06" | 4.70" | 4.31" | 3.01" | 4.65" | 4.33" | **074093522** |
| 4 | 3.81" | 1.06" | 5.75" | 5.31" | 3.96" | 5.75" | 5.39" | **074093526** |

## 45° Angle with Male Fitting

Dimensions, Inches

| Trade Size Inches | H | J Ref. | K | L A/C* | L A/F* | M Throat Dia. | N A/C* | N A/F* | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| ⅜ | 1.19" | 1.28" | .59" | 1.20" | 1.06" | .60" | 1.16" | 1.02" | **074093441** |
| ½ | 1.19" | 1.28" | .59" | 1.34" | 1.19" | .61" | 1.21" | 1.06" | **074093442** |
| ¾ | 1.19" | 1.43" | .59" | 1.55" | 1.45" | .84" | 1.50" | 1.32" | **074093443** |
| 1 | 1.38" | 1.53" | .66" | 1.95" | 1.69" | 1.05" | 1.82" | 1.59" | **074093444** |
| 1¼ | 1.42" | 1.69" | .63" | 2.39" | 2.06" | 1.37" | 2.32" | 2.03" | **074093445** |
| 1½ | 1.66" | 2.00" | .66" | 2.72" | 2.38" | 1.60" | 2.62" | 2.29" | **074093446** |
| 2 | 1.69" | 2.25" | .66" | 3.08" | 2.88" | 2.05" | 3.21" | 2.80" | **074093448** |

## 45° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

| Trade Size Inches | H | J Ref. | K | L A/C* | L A/F* | M Throat Dia. | N A/C* | N A/F* | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| ⅜ | 1.25" | 1.28" | .66" | 1.20" | 1.06" | .57" | 1.16" | 1.02" | **074093561** |
| ½ | 1.25" | 1.28" | .66" | 1.34" | 1.19" | .57" | 1.21" | 1.06" | **074093562** |
| ¾ | 1.25" | 1.44" | .66" | 1.55" | 1.45" | .78" | 1.50" | 1.32" | **074093563** |
| 1 | 1.44" | 1.53" | .72" | 1.95" | 1.69" | .98" | 1.82" | 1.59" | **074093564** |
| 1¼ | 1.48" | 1.69" | .69" | 2.39" | 2.06" | 1.29" | 2.32" | 2.03" | **074093565** |
| 1½ | 1.72" | 2.00" | .72" | 2.72" | 2.38" | 1.53" | 2.62" | 2.29" | **074093566** |
| 2 | 1.75" | 2.25" | .72" | 3.08" | 2.87" | 1.95" | 3.21" | 2.80" | **074093568** |

## 90° Angle with Male Fitting

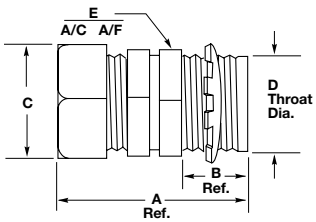
Dimensions, Inches

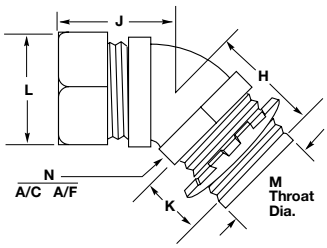
| Trade Size Inches | D | E | F A/C* | F A/F* | G Ref. | O Throat Dia. | P A/C* | P A/F* | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| ⅜ | 1.31" | .59" | 1.20" | 1.06" | 1.44" | .60" | 1.13" | .99" | **074093421** |
| ½ | 1.31" | .59" | 1.34" | 1.12" | 1.44" | .61" | 1.21" | 1.00" | **074093422** |
| ¾ | 1.44" | .59" | 1.55" | 1.45" | 1.63" | .83" | 1.48" | 1.29" | **074093423** |
| 1 | 1.78" | .66" | 1.95" | 1.60" | 2.19" | 1.05" | 1.80" | 1.57" | **074093424** |
| 1¼ | 1.97" | .63" | 2.39" | 2.06" | 2.50" | 1.37" | 2.32" | 2.02" | **074093425** |
| 1½ | 2.19" | .66" | 2.72" | 2.38" | 2.69" | 1.61" | 2.58" | 2.25" | **074093426** |
| 2 | 2.53" | .66" | 3.08" | 2.87" | 3.25" | 2.05" | 3.14" | 2.75" | **074093428** |

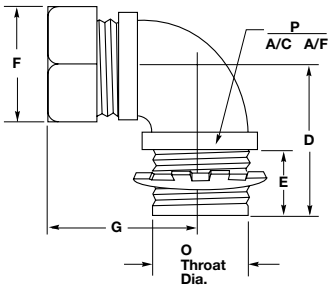
## 90° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

| Trade Size Inches | D | E | F A/C* | F A/F* | G Ref. | O Throat Dia. | P A/C* | P A/F* | Catalog Number |
|---|---|---|---|---|---|---|---|---|---|
| ⅜ | 1.38" | .66" | 1.20" | 1.06" | 1.44" | .60" | 1.13" | .99" | **074093541** |
| ½ | 1.38" | .66" | 1.34" | 1.12" | 1.44" | .57" | 1.21" | 1.00" | **074093542** |
| ¾ | 1.50" | .66" | 1.55" | 1.45" | 1.63" | .78" | 1.48" | 1.29" | **074093543** |
| 1 | 1.84" | .66" | 1.95" | 1.60" | 2.19" | .98" | 1.80" | 1.57" | **074093544** |
| 1¼ | 2.03" | .69" | 2.39" | 2.06" | 2.50" | 1.29" | 2.32" | 2.02" | **074093545** |
| 1½ | 2.25" | .69" | 2.72" | 2.38" | 2.69" | 1.53" | 2.58" | 2.20" | **074093546** |
| 2 | 2.59" | .72" | 3.08" | 2.87" | 3.25" | 1.95" | 3.14" | 2.75" | **074093548** |
| 2½ | 3.44" | 1.00" | 3.92" | 3.63" | 4.25" | 2.42" | 3.78" | 3.50" | **074093550** |
| 3 | 3.75" | 1.00" | 4.70" | 4.31" | 4.87" | 3.01" | 4.64" | 4.30" | **074093552** |




*Note: *A/C - Across Corners; A/F - Across Flats.*

*Dimensions shown are approximate and are subject to change without notice.*

## Strain Relief for UL Type A, Flexible, Liquidtight Conduit

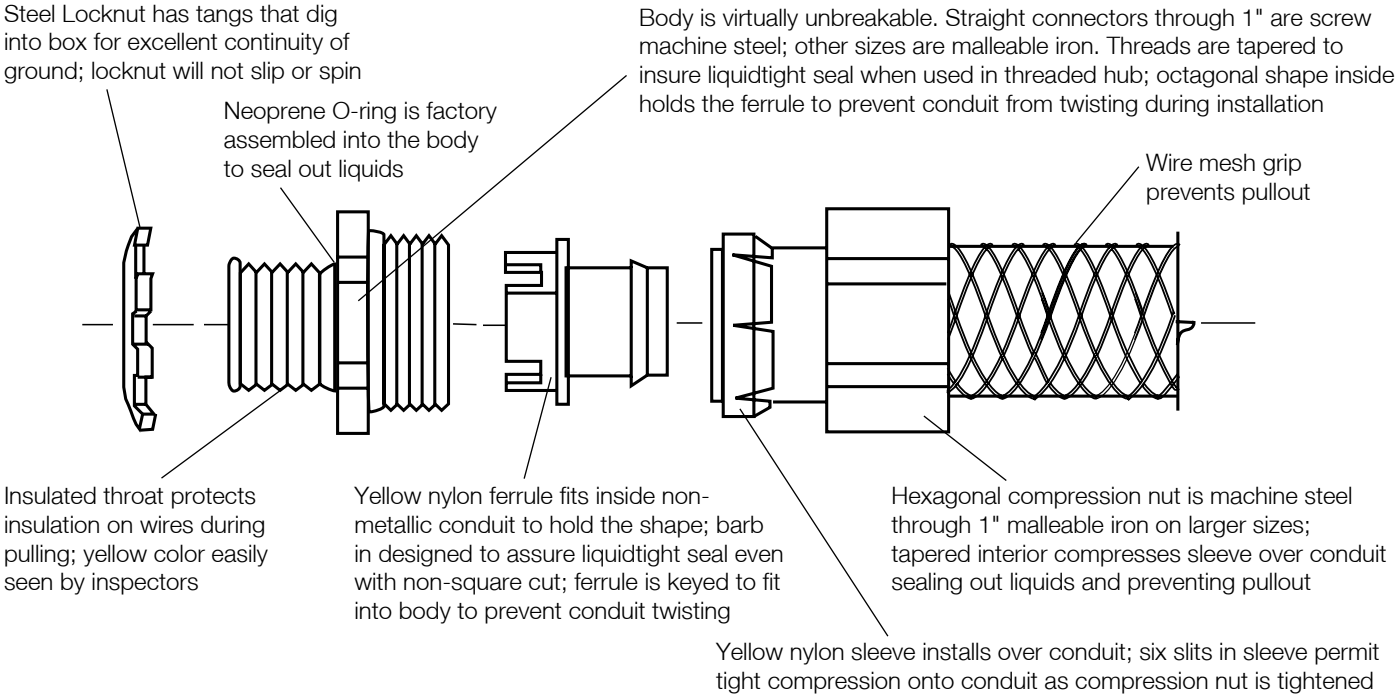
Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

### Application

These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

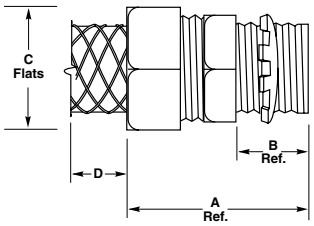
### Benefits

- Provides a liquidtight seal
- Helps prevent conduit pull-out
- Reduces conduit cutting, kinking, fraying and splitting at the fitting
- Easily installed




### Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

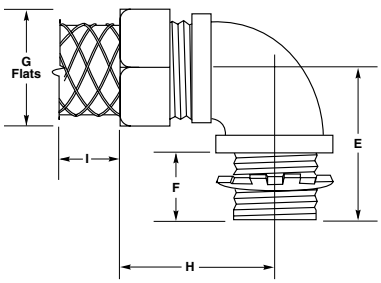
#### Straight with Male Fitting with Insulated Throat




Dimensions Inches (cm)

| Trade Size NPT Inches | A | B | C | D | Catalog Number |
|---|---|---|---|---|---|
| ⅜ | 1.922" (4.88) | .594" (1.51) | 1.156" (2.94) | 3.75" (9.52) | **H038CNK** |
| ½ | 1.922" (4.88) | .594" (1.51) | 1.250" (3.17) | 4.50" (11.43) | **H050CNK** |
| ¾ | 2.016" (5.12) | .594" (1.51) | 1.500" (3.81) | 6.25" (15.87) | **H075CNK** |
| 1 | 2.157" (5.48) | .719" (1.83) | 1.844" (4.68) | 7.50" (19.05) | **H100CNK** |
| 1¼ | 2.219" (5.64) | .750" (1.91) | 2.312" (5.87) | 9.00" (22.86) | **H125CNK** |
| 1½ | 2.344" (5.95) | .750" (1.91) | 2.578" (6.55) | 13.50" (34.29) | **H150CNK** |
| 2 | 2.406" (6.11) | .750" (1.91) | 3.187" (8.09) | 14.50" (36.83) | **H200CNK** |

#### 90° Angle with Male Fitting with Insulated Throat




Dimensions Inches (cm)

| Trade Size NPT Inches | E | F | G | H | I | Catalog Number |
|---|---|---|---|---|---|---|
| ⅜ | 1.250" (3.18) | .594" (1.51) | 1.156" (2.94) | 1.453" (3.69) | 3.75" (9.52) | **H0389CNK** |
| ½ | 1.281" (3.25) | .594" (1.51) | 1.250" (3.17) | 1.453" (3.69) | 4.50" (11.43) | **H0509CNK** |
| ¾ | 1.438" (3.65) | .594" (1.51) | 1.500" (3.81) | 1.000" (2.54) | 6.25" (15.87) | **H0759CNK** |
| 1 | 1.750" (4.44) | .719" (1.83) | 1.844" (4.68) | 2.125" (5.40) | 7.50" (19.05) | **H1009CNK** |
| 1¼ | 1.969" (5.00) | .750" (1.91) | 2.312" (5.87) | 2.344" (5.95) | 9.00" (22.86) | **H1259CNK** |
| 1½ | 2.250" (5.71) | .750" (1.91) | 2.578" (6.55) | 2.500" (6.35) | 13.50" (34.29) | **H1509CNK** |
| 2 | 2.531" (6.43) | .750" (1.91) | 3.187" (8.09) | 2.781" (7.06) | 14.50" (36.83) | **H2009CNK** |

## Features and Benefits

## Cord Connectors

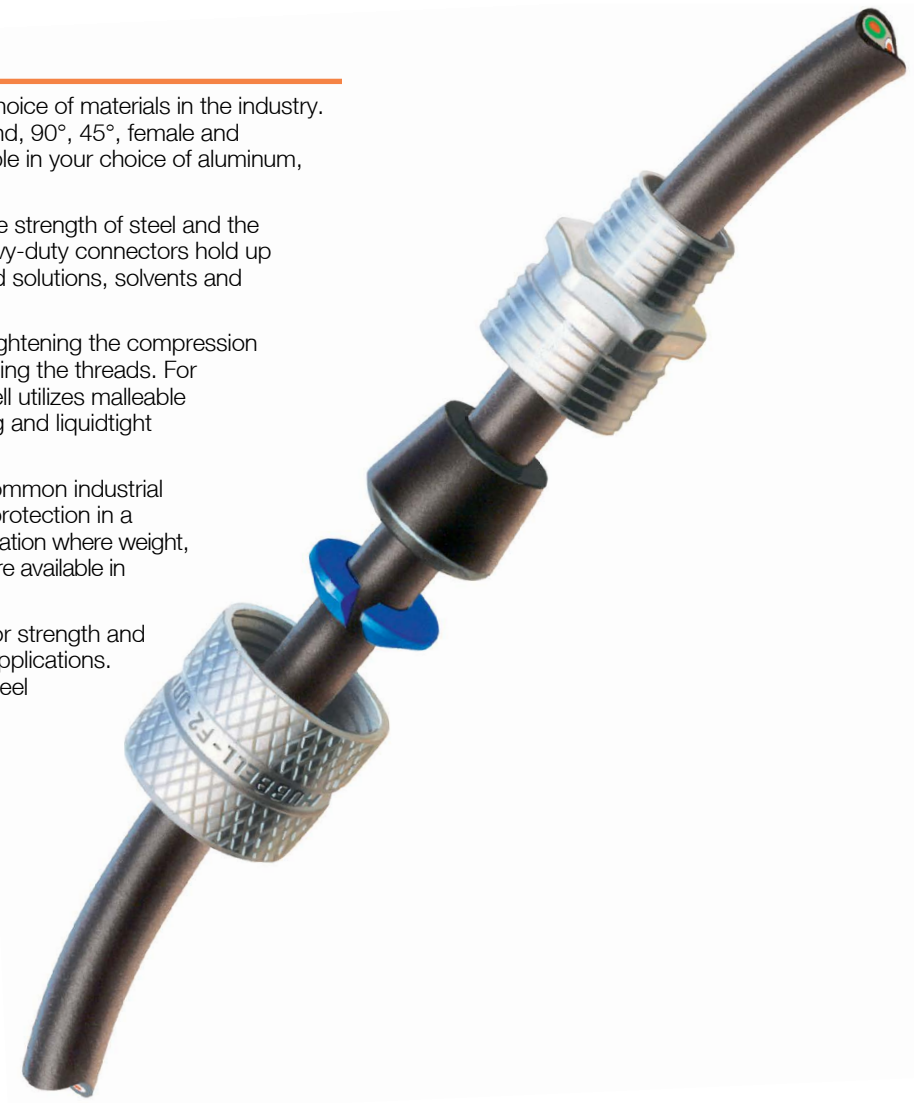
Hubbell has the broadest line and the widest choice of materials in the industry. NPT hub sizes from ¼" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

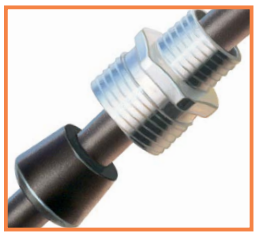
The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and NPT hub without worrying about stripping the threads. For larger size cord, NPT hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in NPT hub sizes from ¼" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in ¼" to 1", NPT hub sizes.





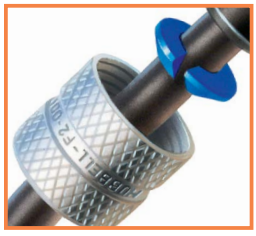
### Liquidtight Seal

- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection
- The connector body is a one-piece design with machined threads; a tapered interior seats the bushing evenly for a liquidtight seal



### Connector Body

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector body



### Connector Identification

- The patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification



### Comprehensive Offering

- Hubbell offers a full line of machined aluminum cord connectors in NPT hub sizes ¼" through 1" and cast aluminum 1" to 3"
- They provide durable performance and a clean attractive look without adding unwanted weight; NPT hub sizes ¼" to 1" feature an attractive knurled finish which makes them easy to handle

UL Listed to
Type 4, 4X, 12 and 13

## Straight Male Cord Connectors

IP66*
SUITABILITY

Form Size 1-4



### Straight Male

| NPT Hub Size | Cord Dia. Inches (mm) | Form Size | Color Code | Machined Aluminum | Machined Zinc-Plated Steel | Stainless Steel | Nylon Gray | Nylon Black |
|---|---|---|---|---|---|---|---|---|
| ¼ | .06"-.13" (1.6-3.2) | F1 | Green | — | — | — | SHC1001CR | — |
| | .13"-.19" (3.2-4.7) | | Orange | SHC1002 | — | — | SHC1002CR | — |
| | .19"-.25" (4.7-6.3) | | Red | SHC1003 | — | SHC1003SS | SHC1003CR | — |
| | .25"-.31" (6.3-7.9) | | Black | SHC1004 | — | SHC1004SS | SHC1004CR | — |
| | .31"-.38" (7.9-9.5) | | White | SHC1005** | — | — | SHC1005CR | SHC2005CR |
| | .38"-.44" (9.5-11) | | Blue | — | — | — | SHC1006CR | — |
| ⅜ | .06"-.13" (1.6-3.2) | F1 | Green | SHC1007 | — | — | — | — |
| | .13"-.19" (3.2-4.7) | | Orange | SHC1008 | SHC1008ZP | — | SHC1008CR | SHC2008CR |
| | .19"-.25" (4.7-6.3) | | Red | SHC1009 | — | SHC1009SS | SHC1009CR | — |
| | .25"-.31" (6.3-7.9) | | Black | SHC1010 | SHC1010ZP | — | SHC1010CR | SHC2010CR |
| | .31"-.38" (7.9-9.5) | | White | SHC1011 | — | SHC1011SS | SHC1011CR | SHC2011CR |
| | .38"-.44" (9.5-11.0) | | Blue | SHC1012 | SHC1012ZP | SHC1012SS | SHC1012CR | SHC2012CR |
| ½ | .19"-.25" (4.7-6.3) | F1 | Red | SHC1015 | — | — | — | — |
| | .25"-.31" (6.3-7.9) | | Black | SHC1016 | — | — | — | — |
| | .31"-.38" (7.9-9.5) | | White | SHC1017 | — | — | — | — |
| | .38"-.44" (9.5-11.0) | | Blue | SHC1018 | — | — | — | — |
| ½ | .06"-.13" (1.6-3.2) | F2 | Green | SHC1019 | — | — | SHC1019CR | — |
| | .13"-.19" (3.2-.4.7) | | Orange | SHC1020 | SHC1020ZP | SHC1020SS | SHC1020CR | — |
| | .19"-.25" (4.7-6.3) | | Red | SHC1021 | SHC1021ZP | SHC1021SS | SHC1021CR | SHC2021CR |
| | .25"-.38" (6.3-.9.7) | | White | SHC1022 | SHC1022ZP | SHC1022SS | SHC1022CR | SHC2022CR |
| | .38"-.50" (9.7-12.7) | | Blue | SHC1023 | SHC1023ZP | SHC1023SS | SHC1023CR | SHC2023CR |
| | .50"-.63" (12.7-15.9) | | Brown | SHC1024 | SHC1024ZP | SHC1024SS | SHC1024CR** | SHC2024CR** |
| ½ | .38"-.50" (9.7-12.7) | F3 | Blue | SHC1025 | — | — | — | — |
| | .50"-.63" (12.7-15.9) | | Brown | SHC1026 | — | — | — | — |
| | .63"-.75" (15.9-19.0) | | Yellow | SHC1027** | SHC1027ZP** | — | — | — |
| | .75"-.88" (19.0-22.2) | | Orchid | SHC1028** | SHC1028ZP** | — | — | — |
| ¾ | .06"-.13"(1.6-3.2) | F2 | Green | SHC1029 | — | — | — | — |
| | .13"-.19"(3.2-4.7) | | Orange | SHC1030 | SHC1030ZP | — | — | — |
| | .19"-.25"(4.7-6.3) | | Red | SHC1031 | SHC1031ZP | — | — | — |
| | .25"-.38"(6.3-9.7) | | White | SHC1032 | SHC1032ZP | — | — | — |
| | .38"-.50" (9.7-12.7) | | Blue | SHC1033 | SHC1033ZP | — | — | — |
| | .50"-.63" (12.7-15.9) | | Brown | SHC1034 | SHC1034ZP | — | — | — |
| ¾ | .38"-.50" (9.5-12.7) | F3 | Blue | — | SHC1035ZP | SHC1035SS | SHC1035CR | SHC2035CR |
| | .50"-.63" (12.7-15.9) | | Brown | SHC1036 | — | SHC1036SS | SHC1036CR | SHC2036CR |
| | .63"-.75" (15.9-19.0) | | Yellow | SHC1037 | SHC1037ZP | SHC1037SS | SHC1037CR | SHC2037CR |
| | .75"-.88" (19.0-22.2) | | Orchid | SHC1038** | SHC1038ZP** | SHC1038SS** | SHC1038CR** | SHC2038CR** |
| 1 | .50"-.63" (12.7-15.9) | F3 | Brown | — | SHC1097ZP | — | — | — |
| | .63"-.75" (15.9-19.0) | | Yellow | — | SHC1098ZP | — | — | — |
| | .75"-.88" (19.0-22.2) | | Orchid | — | SHC1099ZP | — | — | — |
| 1 | .38"-.50" (9.7-12.7) | F4 | Blue | SHC1039 | — | — | SHC1039CR | — |
| | .50"-.63" (12.7-15.9) | | Brown | SHC1040 | — | — | SHC1040CR | SHC2040CR |
| | .63"-.75" (15.9-19.0) | | Yellow | SHC1041 | — | SHC1041SS | SHC1041CR | SHC2041CR |
| | .75"-.88" (19.0-22.2) | | Orchid | SHC1042 | — | SHC1042SS | SHC1042CR | SHC2042CR |
| | .88"-1.00"(22.2-25.4) | | Gray | SHC1043 | SHC1043ZP | SHC1043SS | SHC1043CR | SHC2043CR |
| | 1.00"-1.13" (25.4-28.6) | | Pink | SHC1044** | — | SHC1044SS** | SHC1044CR** | SHC2044CR** |

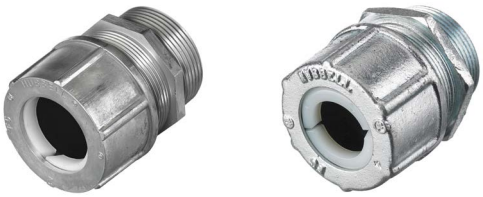
*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
*Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.*
*Locknuts sold separately. See page W-75 for additional information.*

UL Listed to
Type 4, 4X, 12 and 13

## Straight Male Cord Connectors

**IP66***
SUITABILITY

Form Size 5-8



### Straight Male

| NPT Hub Size | Cord Diameter Inches (mm) | | Form Size | Cast Aluminum | Malleable Iron |
|---|---|---|---|---|---|
| 1 | .88"-1.00" | (22.2-25.4) | F5 | **SHC1046** | — |
| | 1.00"-1.13" | (25.4-28.6) | | **SHC1047**** | — |
| | 1.13"-1.25" | (28.6-31.7) | | **SHC1048**** | — |
| | 1.25"-1.38" | (31.7-34.9) | | **SHC1049**** | — |
| 1¼ | .75"-.88" | (19.0-22.2) | F5 | **SHC1050** | — |
| | .88"-1.00" | (22.2-25.4) | | **SHC1051** | — |
| | 1.00"-1.13" | (25.4-28.6) | | **SHC1052** | **SHC1052ZP** |
| | 1.13"-1.25" | (28.6-31.7) | | **SHC1053** | **SHC1053ZP** |
| | 1.25"-1.38" | (31.7-34.9) | | **SHC1054**** | **SHC1054ZP** |
| 1½ | .75"-.88" | (19.0-22.2) | F5 | **SHC1055** | — |
| | .88"-1.00" | (22.2-25.4) | | **SHC1056** | — |
| | 1.00"-1.13" | (25.4-28.6) | | **SHC1057** | **SHC1057ZP** |
| | 1.13"-1.25" | (28.6-31.7) | | **SHC1058** | **SHC1058ZP** |
| | 1.25"-1.38" | (31.7-34.9) | | **SHC1059** | **SHC1059ZP** |
| 1½ | 1.38"-1.50" | (34.9-38.1) | F6 | **SHC1061** | — |
| | 1.50"-1.63" | (38.1-41.3) | | **SHC1062**** | — |
| | 1.63"-1.75" | (41.3-44.4) | | **SHC1063**** | — |
| | 1.75"-1.88" | (44.4-47.6) | | **SHC1064**** | — |
| 2 | 1.25"-1.38" | (31.7-34.9) | F6 | **SHC1065** | — |
| | 1.38"-1.50" | (34.9-38.1) | | **SHC1066** | — |
| | 1.50"-1.63" | (38.1-41.3) | | **SHC1067** | — |
| | 1.63"-1.75" | (41.3-44.4) | | **SHC1068** | — |
| | 1.75"-1.88" | (44.4-47.6) | | **SHC1069** | — |
| 2 | 1.69"-1.81" | (42.9-46.0) | F7 | **SHC1070** | — |
| | 1.81"-1.94" | (46.0-49.2) | | **SHC1071** | — |
| | 1.94"-2.06" | (49.2-52.4) | | **SHC1072**** | — |
| | 2.06"-2.19" | (52.4-55.6) | | **SHC1073**** | — |
| | 2.19"-2.31" | (55.6-58.7) | | **SHC1074**** | — |
| 2½ | 1.69"-1.81" | (42.9-46.0) | F7 | **SHC1076** | — |
| | 1.81"-1.94" | (46.0-49.2) | | **SHC1077** | — |
| | 1.94"-2.06" | (49.2-52.4) | | **SHC1078** | — |
| | 2.06"-2.19" | (52.4-55.6) | | **SHC1079** | — |
| | 2.19"-2.31" | (55.6-58.7) | | **SHC1080** | — |
| | 2.31"-2.44" | (58.7-61.9) | | **SHC1081**** | — |
| 3 | 1.69"-1.81" | (42.9-46.0) | F7 | **SHC1086** | — |
| | 1.94"-2.06" | (49.2-52.4) | | **SHC1088** | — |
| | 2.06"-2.19" | (52.4-55.6) | | **SHC1089** | — |
| | 2.19"-2.31" | (55.6-58.7) | | **SHC1090** | — |
| | 2.31"-2.44" | (58.7-61.9) | | **SHC1091** | — |
| 3 | 2.44"-2.63" | (61.9-66.7) | F8 | **SHC1092** | — |
| | 2.63"-2.81" | (66.7-71.4) | | **SHC1093** | — |
| | 2.81"-3.00" | (71.4-76.2) | | **SHC1094** | — |
| | 3.00"-3.25" | (76.2-82.5) | | **SHC1095**** | — |

*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
*Locknuts sold separately. See page W-75 for additional information.*

UL Listed to
Type 4, 4X, 12 and 13

## 45° and 90° Male Cord Connectors

IP66*
SUITABILITY

Form Size 1-6



### 90° Male

| NPT Hub Size | Cord Diameter Inches (mm) | | Form Size | Color Code | Machined Aluminum† | Machined Zinc-Plated SteelΔ | Cast Aluminum | Nylon Gray | Nylon Black |
|---|---|---|---|---|---|---|---|---|---|
| ⅜ | .25"-.31" | (6.3-7.9) | F1 | Black | **NHC1010** | — | — | — | — |
| | .31"-.38" | (7.9-9.5) | | White | **NHC1011** | — | — | — | — |
| | .38"-.44" | (9.5-11.0) | | Blue | **NHC1012** | — | — | — | — |
| ½ | .06"-.13" | (1.6-3.2) | F2 | Green | — | — | — | — | — |
| | .13"-.19" | (3.2-4.7) | | Orange | **NHC1020** | — | — | **NHC1020CR** | — |
| | .19"-.25" | (4.7-6.3) | | Red | **NHC1021** | **NHC1021ZP** | — | **NHC1021CR** | — |
| | .25"-.38" | (6.3-9.7) | | White | **NHC1022** | **NHC1022ZP** | — | **NHC1022CR** | **NHC2022CR** |
| | .38"-.50" | (9.7-12.7) | | Blue | **NHC1023** | **NHC1023ZP** | — | **NHC1023CR** | **NHC2023CR** |
| | .50"-.63" | (12.7-15.9) | | Brown | **NHC1024**** | **NHC1024ZP**** | — | **NHC1024CR**** | **NHC2024CR**** |
| ¾ | .38"-.50" | (9.7-12.7) | F3 | Blue | **NHC1035** | **NHC1035ZP** | — | **NHC1035CR** | — |
| | .50"-.63" | (12.7-15.9) | | Brown | **NHC1036** | **NHC1036ZP** | — | **NHC1036CR** | — |
| | .63"-.75" | (15.9-19.0) | | Yellow | **NHC1037** | **NHC1037ZP** | — | **NHC1037CR** | — |
| | .75"-.88" | (19.0-22.2) | | Orchid | **NHC1038** | **NHC1038ZP** | — | **NHC1038CR** | — |
| 1 | .50"-.63" | (12.7-15.9) | F4 | Brown | **NHC1040** | — | — | — | — |
| | .63"-.75" | (15.9-19.0) | | Yellow | **NHC1041** | **NHC1041ZP** | — | **NHC1041CR** | **NHC2041CR** |
| | .75"-.88" | (19.0-22.2) | | Orchid | **NHC1042** | — | — | **NHC1042CR** | **NHC2042CR**** |
| | .88"-1.00" | (22.2-25.4) | | Gray | **NHC1043**** | — | — | **NHC1043CR** | — |
| | 1.00"-1.13" | (25.4-28.7) | | Pink | **NHC1044**** | — | — | — | — |
| 1¼ | .88"-1.00" | (22.2-25.4) | F5 | — | — | — | **NHC1051** | — | — |
| | 1.00"-1.13" | (25.4-28.6) | | — | — | — | **NHC1052** | — | — |
| | 1.13"-1.25" | (28.6-31.7) | | — | — | — | **NHC1053**** | — | — |
| | 1.25"-1.38" | (31.7-34.9) | | — | — | — | **NHC1054**** | — | — |
| 1½ | 1.00"-1.13" | (25.4-28.6) | F5 | — | — | — | **NHC1057** | — | — |
| | 1.13"-1.25" | (28.6-31.7) | | — | — | — | — | — | — |
| | 1.25"-1.38" | (31.7-34.9) | | — | — | — | **NHC1059** | — | — |
| 2 | 1.38"-1.50" | (34.9-38.1) | F6 | — | — | — | **NHC1066** | — | — |
| | 1.50"-1.63" | (38.1-41.3) | | — | — | | **NHC1067** | — | — |



### 45° Male

| NPT Hub Size | Cord Diameter Inches (mm) | | Form Size | Color Code | Machined Aluminum† | Machined Zinc-Plated SteelΔ | Cast Aluminum |
|---|---|---|---|---|---|---|---|
| ½ | .19"-.25" | (4.7-6.3) | F2 | Red | **VHC1021** | — | — |
| | .25"-.38" | (6.3-9.7) | | White | **VHC1022** | **VHC1022ZP** | — |
| | .38"-.50" | (9.7-12.7) | | Blue | **VHC1023** | **VHC1023ZP** | — |
| | .50"-.63" | (12.7-15.9) | | Brown | **VHC1024**** | **VHC1024ZP**** | — |
| ¾ | .38"-.50" | (9.7-12.7) | F3 | Blue | **VHC1035** | — | — |
| | .50"-.63" | (12.7-15.9) | | Brown | **VHC1036** | — | — |
| | .63"-.75" | (15.9-19.0) | | Yellow | **VHC1037**** | — | — |
| 1 | .63"-.75" | (15.9-19.0) | F4 | Yellow | **VHC1041** | — | — |
| | .75"-.88" | (19.0-22.2) | | Orchid | **VHC1042** | — | — |
| 1¼ | 1.00"-1.13" | (25.4-28.6) | F5 | | — | — | **VHC1052** |
| | 1.13"-1.25" | (28.6-31.7) | | | — | — | **VHC1053**** |

*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
*†Nuts are machined aluminum and bodies are cast aluminum.*
*ΔCompression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron. Locknuts sold separately. See page W-75 for additional information.*

## Straight Female, Underground Feeder and Metric Connectors

Form Size 1-4



### Straight Female

| NPT Hub Size | Cord Diameter Inches (mm) | | Form Size | Color Code | Machined Aluminum |
|---|---|---|---|---|---|
| ½ | .25"-.38" | (6.3-9.7) | F2 | White | **FHC1022** |
| | .38"-.50" | (9.7-12.7) | | Blue | **FHC1023** |
| ¾ | .38"-.50" | (9.7-12.7) | F2 | Blue | **FHC1033** |
| | .50"-.63" | (12.7-15.9) | | Brown | **FHC1034** |
| 1 | .75"-.88" | (19.0-22.2) | F4 | Orchid | **FHC1042†** |
| | .88"-1.00" | (22.2-25.4) | | Gray | **FHC1043†** |

*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
**Cable jacket may have to be stripped to pass through connector body.*
*†Nuts are machined aluminum and bodies are cast aluminum.*

IP66*
SUITABILITY






### Underground Feeder Connectors

| NPT Hub Size | Cord Diameter Inches (mm) | | Wire Size | UF** Machined Aluminum | Machined Zinc-Plated Steel | Nylon Gray | Nylon Black |
|---|---|---|---|---|---|---|---|
| ½ | .2"x.4" min<br>.25"-.55" max | (5.1 x 10.2)<br>(6.3 x 14.0) | 2 # 14,<br>2 # 12,<br>2 # 10. | **UFC0001** | **UFC0001ZP** | **UFC0001CR** | **UFC2001CR** |
| ¾ | .2"x.4" min<br>.25"-.55" max | (5.1x10.2)<br>(6.3x14.0) | 2 # 14,<br>2 # 12,<br>2 # 10. | **UFC0002** | — | — | — |
| ¾ | .2"x.6" min<br>.26"x.78" max | (5.1x15.2)<br>(6.6x19.8) | 3 # 14,<br>3 # 12,<br>3 # 10. | **UFC0003** | — | **UFC0003CR** | **UFC2003CR** |

*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
**IP66 Suitability when used with optional metal clad O-ring, see page W-75 for additional information.*
***Wire sizes vary among manufacturers.*
*Locknuts sold separately, see page W-75 for additional information.*

**UL Listed to**
**Type 4, 4X, 12 and 13†**



### Metric Aluminum Cord Connectors

| Metric Hub Size | Cord Diameter Inches (mm) | | Form Size | Color Code | Catalog Number |
|---|---|---|---|---|---|
| M16 | .31"-.38" | (7.9-9.7) | F1 | White | **SHCM161011** |
| M20 | .31"-.38" | (7.9-9.7) | F1 | White | **SHCM201017** |
| M20 | .25"-.38" | (6.3-9.7) | F2 | White | **SHCM201022** |
| | .38"-.50" | (9.7-12.7) | | Blue | **SHCM201023** |
| | .50"-.62" | (12.7-15.8) | | Brown | **SHCM201024** |
| M25 | .38"-.50" | (9.7-12.7) | F2 | Blue | **SHCM251033** |
| | .50"-.62" | (12.7-15.8) | | Brown | **SHCM251034** |
| M30 | .63"-75" | (15.9-19.0) | F3 | Yellow | **SHCM301037** |

*Note: †When used with metal clad O-ring, see page W-75 for additional information.*
*Non-metallic Locknuts sold separately, see page W-75 for additional information.*

## Low Profile NPT, PG and Metric Thread Connectors

Non-Metallic Cord Connectors.

**IP66***
SUITABILITY







### Low Profile NPT Cord Connectors

| NPT Hub Size | Cord Diameter Inches (mm) | Black | Gray | Non-metallic Locknuts |
|---|---|---|---|---|
| ⅜ | .18"-.31" (4.6-7.9) | **SEC38BA*** | **SEC38GA*** | **31622002LPK50** |
| ½ | .17"-.45" (4.3-11.4) | **SEC50BA** | **SEC50GA** | **31622003LPK50** |
| ¾ | .25"-.48" (6.35-12.19) | — | **SEC75RGA** | **31622007LPK50** |
| ¾ | .45"-.71" (11.4-18.0) | **SEC75BA** | **SEC75GA** | **31622007LPK50** |
| 1 | .59"-1.00" (15-25.4) | **SEC100BA** | **SEC100GA** | **31622008LPK50** |

*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
*Catalog numbers with "PK50" suffix are bulk packed 50 pieces.*

### Low Profile PGΔ Cord Connectors

| Hub Size | Cord Diameter Inches (mm) | Black | Gray | Non-metallic Locknuts |
|---|---|---|---|---|
| PG7 | .11"-.25" (2.9-6.4) | **SECP7BA*** | **SECP7GA*** | **LNP7BPK100** |
| PG9 | .18"-.31" (4.6-7.9) | **SECP9BA*** | **SECP9GA*** | **LNP9BPK100** |
| PG11 | .23"-.40" (5.8-10.0) | **SECP11BA*** | **SECP11GA*** | **LNP11BPK100** |
| PG13.5 | .17"-.47" (4.3-11.9) | **SECP13BA** | **SECP13GA** | **LNP13BPK100** |
| PG16 | .23"-.53" (5.8-13.5) | **SECP16BA** | **SECP16GA** | **LNP16BPK100** |
| PG21 | .45"-.71" (11.4-17.9) | **SECP21BA** | **SECP21GA** | **LNP21BPK100** |
| PG29 | .59"-.99" (15-25.2) | **SECP29BA** | **SECP29GA** | **LNP29BPK25** |
| PG36 | .88"-1.30" (22.2-32.0) | **SECP36BA** | **SECP36GA** | **LNP36BPK25** |

### Low Profile Metric Cord Connectors

| Hub Size | Cord Diameter Inches (mm) | Black | Gray | Non-metallic Locknuts |
|---|---|---|---|---|
| M12 | .12"-.25" (2.9-6.4) | **SECM12B** | **SECM12G** | **LNM12BPK100** |
| M16 | .11"-.31" (2.7-7.9) | **SECM16B** | **SECM16G** | **LNM16BPK100** |
| M20 | .17"-.45" (4.3-11.4) | **SECM20B*** | **SECM20G*** | **LNM20BPK100** |
| M25 | .49"-.71" (12.3-18.0) | **SECM25B*** | **SECM25G*** | **LNM25BPK100** |
| M32 | .59"-1.00" (15.0-25.4) | **SECM32B*** | **SECM32G*** | **LNM32BPK100** |
| M40 | .87"-1.30" (22.0-32.0) | **SECM40B** | **SECM40G** | **LNM40BPK100** |

*Note: See pages W-78 to W-88 for technical information and dimensional drawings.*
*Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton.*
*Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.*
**Items indicated are UL recognized components.*
*ΔPanzergewinde.*





### Low Profile Multi-Hole Cord Grip Connectors

| NPT Hub Size | Cord Diameter Inches (mm) | Color | Material | Holes | Catalog Number |
|---|---|---|---|---|---|
| ½ | .205" (5.2mm) | Black | Nylon | 2 | **SEC50B252** |
| ¾ | .205" (5.2mm) | Black | Nylon | 3 | **SEC75B352** |
| ¾ | .205" (5.2mm) | Black | Nylon | 4 | **SEC75B452** |
| ½ | .220" (5.6mm) | Black | Nylon | 3 | **SEC50B356** |
| 1 | .215" (5.5mm) | Black | Nylon | 9* | **SEC100BSMH9** |
| 1¼ | .215" (5.5mm) | Black | Nylon | 13* | **SEC125BSMH13** |

*Note: *Skinned bushings, field configurable.*

## Accessories





### Multi-Hole Cord Grip Connectors

| NPT Hub Size | Cord Diameter Inches | (mm) | Form Size | Material | Holes | Catalog Number |
|---|---|---|---|---|---|---|
| ½ | 0.23-0.29" | (5.8-7.4mm) | F2 | Aluminum | 2 | **MHC1022** |
| ¾ | 0.23-0.29" | (5.8-7.4mm) | F3 | Aluminum | 4 | **MHC1032** |
| ½ | 0.23-0.29" | (5.8-7.4mm) | F2 | Nylon Gray | 2 | **MHC1022CR** |
| ½ | 0.23-0.29" | (5.8-7.4mm) | F2 | Nylon Black | 2 | **MHC2022CR** |
| ¾ | 0.23-0.29" | (5.8-7.4mm) | F3 | Nylon Gray | 4 | **MHC1032CR** |
| ¾ | 0.23-0.29" | (5.8-7.4mm) | F3 | Nylon Black | 4 | **MHC2032CR** |




### Cord Connector Parts

| NPT Hub Size | Cord Diameter Inches (mm) | | Form Size | Bushing Catalog Number | Color Code | GOTCHA® Ring Catalog Number |
|---|---|---|---|---|---|---|
| ¼, ⅜, ½ | .062"-.125" | (1.58-3.17) | F1 | **31518101BPK100** | Green | **31648035GPK100** |
| | .125"-.187" | (3.17-4.76) | | **31518102BPK100** | Orange | **31648036GPK100** |
| | .187"-.250" | (4.76-6.35) | | **31518103BPK100** | Red | **31648037GPK100** |
| | .250"-.312" | (6.35-7.93) | | **31518104BPK100** | Black | **31648038GPK100** |
| | .312"-.375" | (7.93-9.50) | | **31518105BPK100** | White | **31605010GPK100** |
| | .375"-.437" | (9.50-11.1) | | **31518106BPK100** | Blue | **31648039GPK100** |
| ½, ¾ | .187"-.250" | (4.76-6.35) | F2 | **31518110BPK100** | Red | **31648042GPK100** |
| | .250"-.375" | (6.35-9.50) | | **31518111BPK100** | White | **31605015GPK100** |
| | .375"-.500" | (9.50-12.7) | | **31518112BPK100** | Blue | **31648043GPK100** |
| | .500"-.625" | (12.7-15.8) | | **31518113BPK100** | Brown | **31648044GPK100** |
| ½, ¾ | .375"-.500" | (9.50-12.7) | F3 | **31518116BPK100** | Blue | **31648045GPK100** |
| | .500"-.625" | (12.7-15.8) | | **31518117BPK100** | Brown | **31648046GPK100** |
| | .625"-.750" | (15.8-19.0) | | **31518118BPK100** | Yellow | **31648047GPK100** |
| | .750"-.875" | (19.0-22.2) | | **31518119BPK100** | Orchid | **31648048GPK100** |
| 1 | .500"-.625" | (12.7-15.8) | F4 | **31518123BPK100** | Brown | **31648050GPK100** |
| | .625"-.750" | (15.8-19.0) | | **31518124BPK100** | Yellow | **31648051GPK100** |
| | .750"-.875" | (19.0-22.2) | | **31518125BPK100** | Orchid | **31648052GPK100** |
| | .875"-1.00" | (22.2-25.4) | | **31518126BPK100** | Gray | **31648053GPK100** |
| | 1.00"-1.125" | (25.4-28.5) | | **31518127BPK100** | Pink | **31648054GPK100** |

*Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton*





### Locknuts and Metal Clad Sealing O-Rings

| NPT Hub Size | Zinc-Plated Steel Locknuts | Non-Metallic Locknuts | Metal Clad Sealing O-Rings* |
|---|---|---|---|
| ¼ | — | **31622001LPK50** | — |
| ⅜ | — | **31622002LPK50** | — |
| ½ | **00322001LPK50** | **31622003LPK50** | **20509001** |
| ¾ | **00322002LPK50** | **31622007LPK50** | **20509002** |
| 1 | **00322003LPK50** | **31622008LPK50** | **20509003** |
| 1¼ | **00322004LPK50** | — | **20509004** |
| 1½ | **00322005LPK50** | — | **20509005** |
| 2 | **00322006LPK50** | — | **20509006** |
| 2½ | **00322007LPK50** | — | **20509007** |
| 3 | **00322008LPK50** | — | **20509008** |

*Note: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton. See page W-87 for technical information and dimensional drawings.*
**UL listed and CSA certified.*

## Features and Benefits

### Hubbell Juniors® Miniature Nylon Cord Connectors

Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors. They feature the same GOTCHA® ring technology and neoprene bushings.

They also come with or without a nylon spiral for arc-of-bend control and longer cord life. They are available in ¼", ⅜", and ½" NPT sizes in both gray and black.





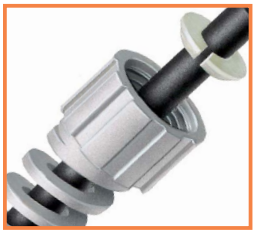
**Liquidtight Seal**

- Lubricated neoprene bushing compresses evenly for a liquidtight seal and added pull-out protection
- Nylon connector body is a one-piece design with a tapered interior that seals the bushing evenly for a positive seal



**Connector Body**

- Nylon spiral provides arc-of-bend control for cord protection
- Threaded hexagon shaped nylon locknut secures tightly and is also corrosion resistant



**Connector Protection**

- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Nylon compression nut has a tapered interior dome to easily drive the bushing into the connector body



**Comprehensive Offering**

- Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors and feature the same GOTCHA® ring technology and neoprene bushings

# Hubbell Juniors® Miniature Nylon Cord Connectors

## Miniature Nylon Cord Connector

| NPT Hub Size | Cord Diameter Range Inches (mm) | | Black | Gray |
|---|---|---|---|---|
| | .08"-.14" | (1.9-3.4) | **HJ1001BPK25** | **HJ1001GPK25** |
| ¼ | .14"-.20" | (3.4-5.1) | **HJ1002BPK25** | **HJ1002GPK25** |
| | .20"-.27" | (5.1-6.7) | **HJ1003BPK25** | **HJ1003GPK25** |
| | .15"-.21" | (3.7-5.3) | **HJ1004BPK25** | **HJ1004GPK25** |
| ⅜ | .21"-.28" | (5.3-7.0) | **HJ1005BPK25** | **HJ1005GPK25** |
| | .28"-.34" | (7.0-8.6) | **HJ1006BPK25** | **HJ1006GPK25** |
| | .06"-.13" | (1.6-3.2) | **HJ1055BPK25** | **HJ1055GPK25** |
| | .13"-.19" | (3.2-4.7) | **HJ1056BPK25** | **HJ1056GPK25** |
| ½ | .19"-.25" | (4.7-6.3) | **HJ1057BPK25** | **HJ1057GPK25** |
| | .25"-.31" | (6.3-7.9) | **HJ1058BPK25** | **HJ1058GPK25** |
| | .31"-.38" | (7.9-9.5) | **HJ1059BPK25** | **HJ1059GPK25** |
| | .38"-.44" | (9.5-11.1) | **HJ1060BPK25** | **HJ1060GPK25** |



**Black Cord Connector**



**Gray Cord Connector**

## Miniature Nylon Cord Connector with Spiral

| NPT Hub Size | Cord Diameter Range Inches (mm) | | Black | Gray |
|---|---|---|---|---|
| | .08"-.14" | (1.9-3.4) | **HJ1010BPK25** | **HJ1010GPK25** |
| ¼ | .14"-.20" | (3.4-5.1) | **HJ1011BPK25** | **HJ1011GPK25** |
| | .20"-.27" | (5.1-6.7) | **HJ1012BPK25** | **HJ1012GPK25** |
| | .15"-.21" | (3.7-5.3) | **HJ1013BPK25** | **HJ1013GPK25** |
| ⅜ | .21"-.28" | (5.3-7.0) | **HJ1014BPK25** | **HJ1014GPK25** |
| | .28"-.34" | (7.0-8.6) | **HJ1015BPK25** | **HJ1015GPK25** |
| | .13"-.19" | (3.2-4.7) | **HJ1038BPK25** | **HJ1038GPK25** |
| | .19"-.25" | (4.7-6.3) | **HJ1039BPK25** | **HJ1039GPK25** |
| ½ | .25"-.31" | (6.3-7.9) | **HJ1040BPK25** | **HJ1040GPK25** |
| | .31"-.38" | (7.9-9.5) | **HJ1041BPK25** | **HJ1041GPK25** |
| | .38"-.44" | (9.5-11.1) | **HJ1042BPK25** | **HJ1042GPK25** |
| ¾ | .25"-.49" | (6.4-12.3) | **HJ1043BPK25*** | **HJ1043GPK25*** |
| | .45"-.71" | (11.4-18.0) | **HJ1044BPK25*** | **HJ1044GPK25*** |

*Note: *Locknuts sold separately, see page W-75 for additional information.*



**Black Cord Connector with Spiral**



**Gray Cord Connector with Spiral**

## Miniature Nylon Snap-In Cord Connector with Spiral

| Cord Diameter Range Inches (mm) | | For Chassis Thickness | Black | Gray |
|---|---|---|---|---|
| .22"-.27" | (5.6-6.9) | .10" (2.5) Max | **HS1001BPK25** | **HS1001GPK25** |
| .28"-.32" | (7.1-8.1) | .10" (2.5) Max | **HS1002BPK25** | **HS1002GPK25** |
| .30"-.36" | (7.6-9.1) | .13" (3.2) Max | **HS1003BPK25** | **HS1003GPK25** |
| .32"-.43" | (8.1-10.9) | .13" (3.2) Max | **HS1004BPK25** | **HS1004GPK25** |

*Note: Catalog numbers above with "PK25" suffix, i.e. HJ1001GPK25, are bulk packed 25 per carton.*
*See page W-88 for technical information and dimensional drawings.*



**Black Snap-In Cord Connector**



**Gray Snap-In Cord Connector**

## Operating Temperatures

| Material | Temperature Range | |
|---|---|---|
| Aluminum | -40°F to +300°F | (-40°C to +149°C) |
| Nylon (connectors and GOTCHA® rings) | -40°F to +225°F | (-40°C to +107°C) |
| Plated steel* | -60°F to +1000°F | (-51°C to +537°C) |
| Stainless steel* | -60°F to +1000°F | (-51°C to +537°C) |
| Neoprene (bushings) | -30°F to +240°F | (-34°C to +115°C) |

*Note: *Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).*
*Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.*

## Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

## Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

## Approvals

| Agency |
|---|
| UL Listed in accordance with Standard 514B for indoor/outdoor use. |
| CSA Certified. |
| United States Coast Guard Approved, Title 46-Part 111. |

## Form Size Definition

The term “Form Size” refers to the physical overall size of a cord connector.
Form 1 is the smallest size.
Form 8 is the largest size.

## Knockout Holes

| NPT Hub Size | Knockout Hole Recommended Min. to Max. Inches | (mm) | PG Hub Size | Knockout Hole Recommended Inches | (mm) | Metric Hub Size | Knockout Hole Recommended Inches | (mm) |
|---|---|---|---|---|---|---|---|---|
| ¼ | .54"-.57" | (13.7-14.5) | PG7 | 492" | (12.5) | M12 | .472" | (12) |
| ⅜ | .67"-.70" | (17.0-17.8) | PG9 | 599" | (15.2) | M16 | .629" | (16) |
| ½ | .86"-.91" | (21.8-23.0) | PG11 | .733" | (18.6) | M20 | .787" | (20) |
| ¾ | 1.04"-1.09" | (26.4-27.8) | PG13.5 | .804" | (20.4) | M25 | .984" | (25) |
| 1 | 1.36"-1.41" | (34.5-35.7) | PG16 | .888" | (22.5) | M32 | 1.25" | (32) |
| 1¼ | 1.72"-1.77" | (43.7-44.9) | PG21 | 1.15" | (28.3) | M40 | 1.57" | (40) |
| 1½ | 1.97"-2.02" | (50.0-51.2) | PG29 | 1.47" | (34.3) | | | |
| 2 | 2.45"-2.50" | (62.3-63.5) | PG36 | 1.85" | (47.0) | | | |
| 2½ | 2.95"-3.00" | (75.0-76.2) | | | | | | |
| 3 | 3.58"-3.63" | (90.9-92.1) | | | | | | |

## NPT, PG and Metric Thread Low Profile Connectors

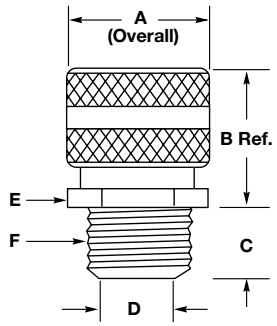
| Specifications | |
|---|---|
| Material | 6/6 Nylon. |
| Gland | Buna N. |
| Temperature Range | -22°F to 225°F (-30°C to 107°C).<br>Cord Connectors are Halogen and Silicon free. |
| Protection Class | IP66 Suitability. |
| Flammability | UL 94X-2. |
| Listings/Certifications | UL Listing File E-41567, UL Recognition File E-41567.<br>CSA File LR27378C, VDE Marks Licence #136681. |



## Straight Hubbell Connectors

| | | Aluminum Inches (mm) | | | | | | Nylon Inches (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* |
| ¼-18 | 1 | .88" (22.4) | .90" (22.9) | .46" (11.7) | .32" (8.1) | .99" (25.1) | .88" (22.4) | 1.00" (25.4) | 1.10" (27.9) | .43" (10.9) | .33" (8.4) | .1.00" (25.4) | .93" (23.6) |
| ⅜-18 | 1 | .88" (22.4) | .90" (22.9) | .46" (11.7) | .44" (11.2) | .99" (25.1) | .88" (22.4) | 1.00" (25.4) | 1.10" (27.9) | .43" (10.9) | .45" (11.4) | .1.00" (25.4) | .93" (23.6) |
| ½-14 | 1 | .88" (22.4) | .90" (22.9) | .46" (11.7) | .44" (11.2) | 1.00" (25.4) | .88" (22.4) | 1.00" (25.4) | 1.10" (27.9) | .46" (11.7) | .45" (11.4) | .1.00" (25.4) | .93" (23.6) |
| ½-14 | 2 | 1.13" (28.7) | 1.10" (27.9) | .55" (14.0) | .64" (16.3) | 1.11" (28.2) | 1.00" (25.4) | 1.32" (33.5) | 1.50" (38.1) | .53" (13.5) | .58" (14.7) | 1.25" (31.7) | 1.12" (28.4) |
| ½-14 | 3 | 1.38" (35.1) | 1.50" (38.1) | .55" (14.0) | .64" (16.3) | 1.40" (35.6) | 1.25" (31.7) | — | — | — | — | — | — |
| ¾-14 | 2 | 1.13" (28.7) | 1.10" (27.9) | .55" (14.0) | .64" (16.3) | 1.29" (32.8) | 1.13" (28.7) | — | — | — | — | — | — |
| ¾-14 | 3 | 1.38" (35.1) | 1.50" (38.1) | .55" (14.0) | .82" (20.8) | 1.40" (35.6) | 1.25" (31.7) | 1.56" (39.6) | 1.60" (40.6) | .55" (14.0) | .77" (19.6) | 1.44" (36.6) | 1.31" (33.3) |
| 1-11½ | 4 | 1.75" (44.4) | 1.60" (40.6) | .71" (18.0) | 1.02" (25.9) | 1.81" (46.0) | 1.62" (41.1) | 1.88" (47.8) | 1.75" (44.4) | .70" (17.8) | 1.01" (25.7) | 1.84" (46.7) | 1.63" (41.4) |
| 1-11½ | 5 | 2.31" (58.7) | 1.70" (43.2) | .66" (16.8) | 1.01" (25.7) | 2.28" (57.9) | 2.00" (50.8) | — | — | — | — | — | — |
| 1¼-11½ | 5 | 2.31" (58.7) | 1.70" (43.2) | .74" (18.8) | 1.26" (32.0) | 2.28" (57.9) | 2.12" (53.8) | — | — | — | — | — | — |
| 1½-11½ | 5 | 2.31" (58.7) | 1.70" (43.2) | .74" (18.8) | 1.38" (35.1) | 2.28" (57.9) | 2.12" (53.8) | — | — | — | — | — | — |
| 1½-11½ | 6 | 3.00" (76.2) | 2.20" (55.9) | .75" (19.0) | 1.50" (38.1) | 2.97" (75.4) | 2.75" (69.8) | — | — | — | — | — | — |
| 2-11½ | 6 | 3.00" (76.2) | 2.20" (55.9) | .80" (20.3) | 1.92" (48.8) | 3.24" (82.4) | 3.00" (76.2) | — | — | — | — | — | — |
| 2-11½ | 7 | 3.85" (97.8) | 2.70" (68.6) | .88" (22.4) | 1.94" (49.3) | 4.05" (102.9) | 3.75" (95.2) | — | — | — | — | — | — |
| 2½-8 | 7 | 3.85" (97.8) | 2.70" (68.6) | 1.30" (33.0) | 2.32" (58.9) | 4.34" (110.2) | 4.02" (102.1) | — | — | — | — | — | — |
| 2½-8 | 8 | 4.75" (120.6) | 2.70" (68.6) | 1.25" (31.7) | 2.38" (60.5) | 4.86" (123.4) | 4.50" (114.3) | — | — | — | — | — | — |
| 3-8 | 7 | 3.85" (97.8) | 2.70" (68.6) | 1.30" (33.0) | 2.54" (64.5) | 4.34" (110.2) | 4.02" (102.1) | — | — | — | — | — | — |
| 3-8 | 8 | 4.50" (114.3) | 2.70" (68.6) | 1.38" (35.1) | 3.00" (76.2) | 4.86" (123.4) | 4.50" (114.3) | — | — | — | — | — | — |

*Note: *A/C— Across Corners; A/F—Across Flats.*

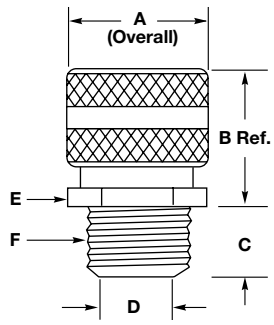



*Dimensions shown are approximate and are subject to change without notice.*

## Straight Hubbell Connectors

| | | Zinc-Plated Steel Inches (mm) | | | | | | | Stainless Steel Inches (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A A/C* | A A/F* | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | A A/C* | A A/F* | B Ref. | C | D Throat Dia. | E A/C* | E A/F* |
| ¼- 18 | 1 | — | — | — | — | — | — | — | 1.01" (25.7) | .88" (22.4) | .90" (22.9) | .46" (11.7) | .38" (9.7) | .87" (22.1) | .75" (19.0) |
| ⅜-18 | 1 | .98" (24.9) | .88" (22.4) | .90" (22.9) | .42" (10.7) | .45" (11.4) | .99" (25.1) | .88" (22.4) | 1.01" (25.7) | .88" (22.4) | .90" (22.9) | .46" (11.7) | .45" (11.4) | .87" (22.1) | .75" (19.0) |
| ½-14 | 1 | .98" (24.9) | .88" (22.4) | .90" (22.9) | .55" (14.0) | .45" (11.4) | 1.00" (25.4) | .88" (22.4) | — | — | — | — | — | — | — |
| ½-14 | 2 | 1.27" (32.3) | 1.13" (28.7) | 1.20" (30.5) | .55" (14.0) | .64" (16.3) | 1.10" (28.2) | 1.00" (25.4) | 1.30" (33.0) | 1.13" (28.7) | 1.10" (27.9) | .54" (13.7) | .63" (16.0) | 1.16" (29.5) | 1.00" (25.4) |
| ½-14 | 3 | 1.55" (39.4) | 1.38" (35.1) | 1.50" (38.1) | .55" (14.0) | .64" (16.3) | 1.40" (35.6) | 1.25" (31.7) | — | — | — | — | — | — | — |
| ¾-14 | 2 | 1.27" (32.3) | 1.13" (28.7) | 1.20" (30.5) | .55" (14.0) | .64" (16.3) | 1.29" (32.8) | 1.13" (28.7) | — | — | — | — | — | — | — |
| ¾-14 | 3 | 1.55" (39.4) | 1.38" (35.1) | 1.40" (35.6) | .55" (14.0) | .82" (20.8) | 1.40" (35.6) | 1.25" (31.7) | 1.59" (40.4) | 1.38" (35.1) | 1.30" (33.0) | .56" (14.2) | .81" (20.6) | 1.44" (36.6) | 1.25" (31.7) |
| 1-11½ | 3 | 1.55" (39.4) | 1.38" (35.1) | 1.40" (35.6) | .70" (17.8) | .89" (22.6) | 1.54" (39.1) | 1.38" (35.1) | — | — | — | — | — | — | — |
| 1-11½ | 4 | 1.92" (48.8) | 1.69" (42.9) | 1.60" (40.6) | .70" (17.8) | 1.02" (25.9) | 1.95" (49.5) | 1.69" (42.9) | 2.02" (51.3) | 1.75" (44.4) | 1.40" (35.6) | .70" (17.8) | 1.03" (26.2) | 1.88" (47.8) | 1.63" (41.4) |
| 1-11½ | 5 | 2.40" (61.0) | — | 1.70" (43.2) | .70" (17.8) | 1.02" (25.9) | 2.46" (62.5) | 2.15" (54.6) | — | — | — | — | — | — | — |
| 1¼-11½ | 5 | 2.40" (61.0) | — | 1.70" (43.2) | .73" (18.5) | 1.27" (32.3) | 2.48" (63.0) | 2.19" (55.6) | — | — | — | — | — | — | — |
| 1½-11½ | 5 | 2.40" (61.0) | — | 1.70" (43.2) | .74" (18.8) | 1.39" (35.3) | 2.48" (63.0) | 2.19" (55.6) | — | — | — | — | — | — | — |
| 1½-11½ | 6 | 3.06" (77.7) | — | 2.20" (55.9) | .75" (19.0) | 1.52" (38.6) | 3.04" (77.2) | 2.83" (71.9) | — | — | — | — | — | — | — |
| 2-11½ | 6 | 3.06" (77.7) | — | 2.20" (55.9) | .78" (19.8) | 1.92" (48.8) | 3.32" (84.3) | 3.07" (78.0) | — | — | — | — | — | — | — |
| 2-11½ | 7 | 3.95" (100.3) | — | 2.70" (68.6) | .78" (19.8) | 1.99" (50.5) | 4.18" (106.2) | 3.89" (98.8) | — | — | — | — | — | — | — |

*Note: *A/C— Across Corners; A/F—Across Flats.*




*Dimensions shown are approximate and are subject to change without notice.*

## 45° Hubbell Connectors

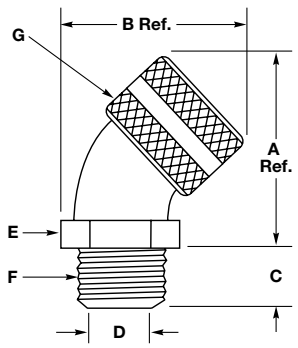
| | | Aluminum Inches (mm) | | | | | | Zinc Plated Steel Inches (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | | A | B | C | D | E | | G | A | B | C | D | E | | G | |
| NPT Inches | Form | Dia. | Ref. | | Throat Dia. | Across Corners | Across Flats | Dia. | Dia. | Ref. | | Throat Dia. | Across Corners | Across Flats | Across Corners | Across Flats |
| ½-14 | 2 | 2.00" (50.8) | 1.90" (48.3) | .55" (14.0) | .56" (14.2) | 1.27" (32.3) | 1.10" (27.9) | 1.13" (28.6) | 1.97" (50.0) | 1.90" (48.3) | .55" (14.0) | .57" (14.4) | 1.24" (31.5) | 1.06" (26.9) | 1.27" (32.3) | 1.13" (28.6) |
| ¾-14 | 3 | 2.30" (58.4) | 2.50" (65.3) | .56" (14.2) | .75" (19.0) | 1.48" (37.6) | 1.28" (32.5) | 1.38" (34.9) | — | — | — | — | — | — | — | — |
| 1-11½ | 4 | 2.60" (66.0) | 2.80" (71.1) | .70" (17.8) | 1.00" (25.4) | 1.69" (42.9) | 1.50" (38.1) | 1.75" (44.4) | — | — | — | — | — | — | — | — |
| 1½-11½ | 5 | 3.90" (99.1) | 3.90" (9.91) | .74" (18.8) | 1.25" (31.7) | 2.45" (62.2) | 2.13" (54.0) | 2.31" (58.7) | — | — | — | — | — | — | — | — |
| 1½-11½ | 5 | 3.90" (99.1) | 3.90" (99.1) | .74" (18.8) | 1.50" (38.1) | 2.45" (62.2) | 2.13" (54.0) | 2.31" (58.7) | — | — | — | — | — | — | — | — |

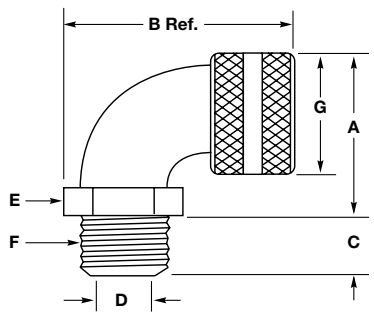
## 90° Hubbell Connectors

| | | Aluminum Inches (mm) | | | | | | Zinc Plated Steel Inches (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | | A | B | C | D | E | | G | A | B | C | D | E | | G | |
| NPT Inches | Form | Dia. | Ref. | | Throat Dia. | Across Corners | Across Flats | Dia. | Dia. | Ref. | | Throat Dia. | Across Corners | Across Flats | Across Corners | Across Flats |
| ⅜-18 | 1 | 1.27" (32.3) | 2.00" (50.8) | .46" (11.7) | .44" (11.2) | 1.15" (29.2) | 1.10" (27.9) | .88" (22.2) | — | — | — | — | — | — | — | — |
| ½-14 | 2 | 1.56" (39.6) | 2.30" (58.4) | .50" (12.7) | .55" (13.9) | 1.30" (33.0) | 1.13" (28.7) | 1.13" (28.6) | 1.65" (41.9) | 2.38" (60.5) | .55" (14.0) | .55" (13.8) | 1.29" (32.8) | 1.13" (28.7) | 1.27" (32.3) | 1.13" (28.6) |
| ¾-14 | 3 | 1.79" (45.5) | 2.80" (71.1) | .56" (14.2) | .77" (19.4) | 1.49" (37.8) | 1.31" (33.3) | 1.38" (34.9) | 1.88" (47.8) | 2.90" (73.7) | .56" (14.2) | .77" (19.4) | 1.52" (38.6) | 1.33" (33.8) | 1.55" (39.2) | 1.38" (34.9) |
| 1-11½ | 4 | 2.08" (52.8) | 3.20" (81.3) | .70" (17.8) | 1.00" (25.4) | 1.70" (43.2) | 1.50" (38.1) | 1.75" (44.4) | 2.16" (54.9) | 3.20" (81.3) | .70" (17.8) | 1.00" (25.4) | 1.72" (43.7) | 1.50" (38.1) | 1.92" (48.8) | 1.69" (42.8) |
| 1¼-11½ | 5 | 3.18" (80.8) | 4.30" (109.2) | .73" (18.5) | 1.26" (32.0) | 2.47" (62.7) | 2.15" (54.6) | 2.31" (58.7) | — | — | — | — | — | — | — | — |
| 1½-11½ | 5 | 3.18" (80.8) | 4.30" (109.2) | .75" (19.2) | 1.50" (38.1) | 2.47" (62.7) | 2.15" (54.6) | 2.31" (58.7) | — | — | — | — | — | — | — | — |
| 2-11½ | 6 | 3.51" (89.2) | 5.50" (139.7) | .80" (20.3) | 1.92" (48.8) | 2.98" (75.7) | 2.78" (70.6) | 3.00" (76.2) | — | — | — | — | — | — | — | — |

## 90° Hubbell Connectors

| | | Nylon Inches (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| F | | A | B | C | D | E | | G |
| NPT Inches | Form | Dia. | Ref. | | Throat Dia. | Across Corners | Across Flats | Dia. |
| ⅜-18 | 1 | — | — | — | — | — | — | — |
| ½-14 | 2 | 1.41" (35.8) | 2.50" (63.5) | .55" (14.0) | .58" (14.6) | 1.23" (31.2) | 1.12" (28.2) | 1.32" (33.4) |
| ¾-14 | 3 | 1.65" (41.9) | 2.81" (71.4) | .56" (14.2) | .77" (19.4) | 1.42" (36.1) | 1.29" (32.8) | 1.56" (39.6) |
| 1-11½ | 4 | 1.99" (50.5) | 3.30" (83.8) | .70" (17.8) | 1.01" (25.7) | 1.82" (46.2) | 1.60" (40.6) | 1.88" (47.6) |

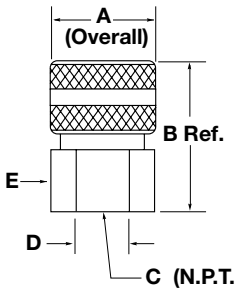


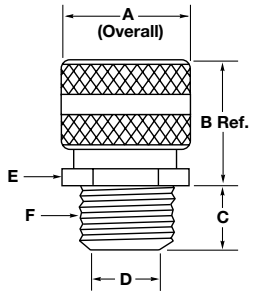




*Dimensions shown are approximate and are subject to change without notice.*

## Female Hubbell Connectors

| | | Aluminum Inches (mm) | | | | | |
|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A Dia. | B Ref. | C | D Throat Dia. | E Across Corners | E Across Flats |
| ⅜-18 | 1 | .88" (22.4) | 1.40" (35.6) | .56" (14.2) | .44" (11.2) | .94" (23.9) | .81" (20.6) |
| ½-14 | 2 | 1.13" (28.7) | 1.80" (45.7) | .56" (14.2) | .63" (16.0) | 1.15" (29.2) | 1.00" (25.4) |
| ¾-14 | 2 | 1.13" (28.7) | 2.10" (53.3) | .75" (19.0) | .63" (16.0) | 1.44" (36.6) | 1.25" (31.7) |
| 1-11½ | 4 | 1.75" (44.5) | 2.30" (58.4) | .88" (22.4) | 1.10" (27.9) | 1.88" (47.8) | 1.63" (41.4) |
| 1¼-11½ | 5 | 2.31" (58.7) | 2.80" (71.1) | .95" (24.1) | 1.43" (36.3) | 2.64" (67.1) | 2.29" (58.2) |
| 1½-11½ | 5 | 2.31" (58.7) | 2.80" (71.1) | .95" (24.1) | 1.43" (36.3) | 2.64" (67.1) | 2.29" (58.2) |



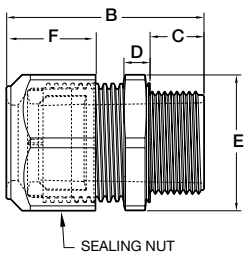

## Underground Feeder Connectors

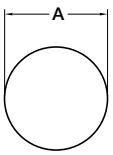
| | | Aluminum Inches (mm) | | | | | | Zinc-Plated Steel Inches (mm) | | | | | | Nylon Inches (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F NPT Inches | Form | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* | A Dia. | B Ref. | C | D Throat Dia. | E A/C* | E A/F* |
| ½-14 | 2 | 1.13" (28.7) | 1.10" (27.9) | .55" (14.0) | .64" (16.3) | 1.10" (27.9) | 1.00" (25.4) | 1.27" (32.3) | 1.13" (28.7) | 1.20" (30.5) | .55" (14.0) | .64" (16.3) | 1.11" (28.2) | 1.00" (25.4) | 1.32" (33.5) | 1.50" (38.1) | .55" (14.0) | .58" (14.7) | 1.25" (31.7) | 1.13" (28.7) |
| ¾-14 | 2 | 1.13" (28.7) | 1.10" (27.9) | .55" (14.0) | .64" (16.3) | 1.29" (32.8) | 1.13" (25.4) | 1.27" (32.3) | 1.13" (28.7) | 1.20" (30.5) | .55" (14.0) | .64" (16.3) | 1.29" (32.8) | 1.13" (28.7) | — | — | — | — | — | — |
| ¾-14 | 3 | 1.13" (28.7) | 1.50" (38.1) | .55" (14.0) | .82" (20.8) | 1.40" (35.6) | 1.25" (31.7) | 1.55" (39.4) | 1.38" (35.1) | 1.40" (35.6) | .56" (14.2) | .82" (20.8) | 1.40" (35.6) | 1.25" (31.7) | 1.56" (39.6) | 1.60" (40.6) | .56" (14.2) | .77" (19.6) | 1.44" (36.6) | 1.31" (33.3) |

*Note: *A/C - Across Corners; A/F - Across Flats.*

## Low Profile Non-Metallic NPT, PG and Metric Thread Connectors

| | Nylon Inches (mm) | | | | | |
|---|---|---|---|---|---|---|
| Hub Size | A | B | C | D | E | F |
| ⅜ NPT | 0.670" (17.0) | 1.41" (35.8) | 0.48" (12.4) | 0.21" (5.3) | 0.83" (21.0) | 0.55" (14.0) |
| ½ NPT | 0.875" (22.2) | 1.70" (43.2) | 0.61" (15.5) | 0.21" (5.3) | 0.88" (24.8) | 0.66" (16.8) |
| ¾ NPT | 1.068" (27.1) | 2.00" (50.8) | 0.62" (15.7) | 0.25" (6.3) | 1.30" (33.0) | 0.85" (21.6) |
| 1 NPT | 1.375" (35.0) | 2.41" (61.2) | 0.76" (19.3) | 0.30" (7.6) | 1.73" (43.9) | 1.05" (26.7) |
| PG7 | 0.492" (12.5) | 1.16" (29.5) | 0.32" (8.1) | 0.21" (5.3) | 0.63" (16.0) | 0.48" (12.4) |
| PG9 | 0.599" (15.2) | 1.25" (31.8) | 0.32" (8.1) | 0.21" (5.3) | 0.83" (21.0) | 0.55" (14.0) |
| PG11 | 0.733" (18.6) | 1.48" (37.6) | 0.38" (9.7) | 0.21" (5.3) | 0.94" (23.9) | 0.70" (17.8) |
| PG13.5 | 0.804" (20.4) | 1.53" (38.9) | 0.41" (10.4) | 0.21" (5.3) | 0.98" (24.9) | 0.66" (16.8) |
| PG16 | 0.888" (22.5) | 1.68" (42.7) | 0.44" (11.2) | 0.25" (6.4) | 1.06" (27.0) | 0.76" (19.3) |
| PG21 | 1.15" (28.3) | 1.89" (48.0) | 0.52" (13.2) | 0.25" (6.4) | 1.30" (33.0) | .085" (21.6) |
| PG29 | 1.47" (37.30) | 2.23" (56.6) | 0.58" (14.7) | 0.30" (7.6) | 1.73" (43.9) | 1.05" (26.7) |
| PG36 | 1.85" (47.0) | 2.39" (60.7) | 0.47" (11.9) | 0.31" (7.9) | 2.05" (52.7) | 1.19" (30.2) |
| M12 | 0.473" (12.0) | 1.16" (29.5) | 0.32" (8.1) | 0.21" (5.3) | 0.63" (16.0) | 0.49" (12.4) |
| M16 | 0.630" (16.0) | 1.25" (31.8) | 0.32" (8.1) | 0.21" (5.3) | 0.83" (21.0) | 0.55" (14.0) |
| M20 | 0.787" (20.0) | 1.53" (38.9) | 0.41" (10.4) | 0.21" (5.3) | 0.98" (24.9) | 0.66" (16.8) |
| M25 | 0.985" (25.0) | 1.89" (48.0) | 0.52" (13.2) | 0.25" (6.3) | 1.30" (33.0) | 0.85" (21.6) |
| M32 | 1.260" (32.0) | 2.23" (56.6) | 0.58" (14.7) | 0.30" (7.6) | 1.73" (43.9) | 1.05" (26.7) |
| M40 | 1.575" (40.0) | 2.39" (60.7) | 0.48" (12.2) | 0.30" (7.6) | 2.05" (52.1) | 1.19" (30.2) |




Recommended knockout size

*Dimensions shown are approximate and are subject to change without notice.*

## 2 Conductors

| Cord Type | | SVO, SV, SVT | SJ, SJO, SJT, SJTO | | | S, SO, ST, STO | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cord Size | | #18 | #18 | #16 | #14 | #18 | #16 | #14 | #12 | #10 | #8 |
| Approx. Dia. Inches (mm) | | .25" (6.2) | .31" (7.8) | .33" (8.4) | .37" (9.3) | .38" (9.7) | .40" (10.2) | .54" (13.7) | .62" (15.6) | .68" (17.1) | .81" (20.6) |
| Color | | Black | Black | White | White | Blue | Blue | Brown | Brown | Yellow | Orchid |
| NPT | Form | Catalog Number* | | | | | | | | | |
| ¼ | 1 | **HC1004** | **HC1004** | **HC1005** | **HC1005** | **HC1006** | **HC1006** | — | — | — | — |
| ⅜ | 1 | **HC1010** | **HC1010** | **HC1011** | **HC1011** | **HC1012** | **HC1012** | — | — | — | — |
| ½ | 1 | **HC1016** | **HC1016** | **HC1017** | **HC1017** | **HC1018** | **HC1018** | — | — | — | — |
| ½ | 2 | **HC1022** | **HC1022** | **HC1022** | **HC1022** | **HC1023** | **HC1023** | **HC1024** | **HC1024** | — | — |
| ½ | 3 | — | — | — | — | **HC1025** | **HC1025** | **HC1026** | **HC1026** | **HC1027** | **HC1028** |
| ¾ | 2 | **HC1032** | **HC1032** | **HC1032** | **HC1032** | **HC1033** | **HC1033** | **HC1034** | **HC1034** | — | — |
| ¾ | 3 | — | — | — | — | **HC1035** | **HC1035** | **HC1036** | **HC1036** | **HC1037** | **HC1038** |
| 1 | 4 | — | — | — | — | **HC1039** | **HC1039** | **HC1040** | **HC1040** | **HC1041** | **HC1042** |
| 1 | 5 | — | — | — | — | — | — | — | — | — | **HC1045** |
| 1¼ | 5 | — | — | — | — | — | — | — | — | — | **HC1050** |
| 1½ | 5 | — | — | — | — | — | — | — | — | — | **HC1055** |
| 1½ | 6 | — | — | — | — | — | — | — | — | — | — |
| 2 | 6 | — | — | — | — | — | — | — | — | — | — |
| 2 | 7 | — | — | — | — | — | — | — | — | — | — |
| 2½ | 7 | — | — | — | — | — | — | — | — | — | — |
| 3 | 7 | — | — | — | — | — | — | — | — | — | — |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
*‡F5 and larger will not be color coded.*

## 3 Conductors

| Cord Type | | SVO, SV, SVT | SJ, SJO, SJT, SJTO | | | S, SO, ST, STO | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cord Size | | #18 | #18 | #16 | #14 | #18 | #16 | #14 | #12 | #10 | #8 |
| Approx. Dia. Inches (mm) | | .26" (6.5) | .33" (8.3) | .35" (8.9) | .39" (9.8) | .39" (9.9) | .42" (10.7) | .57" (14.4) | .65" (16.4) | .71" (18.0) | .85" (21.5) |
| Color | | Black | White | White | Blue | Blue | Blue | Brown | Yellow | Yellow | Orchid |
| NPT | Form | Catalog Number* | | | | | | | | | |
| ¼ | 1 | **HC1004** | **HC1005** | **HC1005** | **HC1006** | **HC1006** | **HC1006** | — | — | — | — |
| ⅜ | 1 | **HC1010** | **HC1011** | **HC1011** | **HC1012** | **HC1012** | **HC1012** | — | — | — | — |
| ½ | 1 | **HC1016** | **HC1017** | **HC1017** | **HC1018** | **HC1018** | **HC1018** | — | — | — | — |
| ½ | 2 | **HC1022** | **HC1022** | **HC1022** | **HC1023** | **HC1023** | **HC1023** | **HC1024** | — | — | — |
| ½ | 3 | — | — | — | **HC1025** | **HC1025** | **HC1025** | **HC1026** | **HC1027** | **HC1027** | **HC1028** |
| ¾ | 2 | **HC1032** | **HC1032** | **HC1032** | **HC1033** | **HC1033** | **HC1033** | **HC1034** | — | — | — |
| ¾ | 3 | — | — | — | **HC1035** | **HC1035** | **HC1035** | **HC1036** | **HC1037** | **HC1037** | **HC1038** |
| 1 | 4 | — | — | — | **HC1039** | **HC1039** | **HC1039** | **HC1040** | **HC1041** | **HC1041** | **HC1042** |
| 1 | 5 | — | — | — | — | — | — | — | — | — | **HC1045** |
| 1¼ | 5 | — | — | — | — | — | — | — | — | — | **HC1050** |
| 1½ | 5 | — | — | — | — | — | — | — | — | — | **HC1055** |
| 1½ | 6 | — | — | — | — | — | — | — | — | — | — |
| 2 | 6 | — | — | — | — | — | — | — | — | — | — |
| 2 | 7 | — | — | — | — | — | — | — | — | — | — |
| 2½ | 7 | — | — | — | — | — | — | — | — | — | — |
| 3 | 7 | — | — | — | — | — | — | — | — | — | — |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-95.*
*‡F5 and larger will not be color coded.*

## 2 Conductors

| Cord Type | | SVO, SV, SVT | SJ, SJO, SJT, SJTO | | | S, SO, ST, STO | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cord Size | | #6 | #4 | #3 | #2 | #1 | #1/0 | #2/0 | #3/0 | #4/0 | #250 |
| Approx. Dia. Inches (mm) | | .94" (23.8) | 1.08" (27.4) | 1.17" (29.7) | 1.27" (33.3) | 1.44" (36.6) | 1.52" (38.6) | 1.65" (41.9) | 1.77" (45.0) | 1.92" (48.8) | 2.16" (51.9) |
| Color | | Gray‡ | Pink‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ |
| NPT | Form | Catalog Number* | | | | | | | | | |
| ¼ | 1 | — | — | — | — | — | — | — | — | — | — |
| ⅜ | 1 | — | — | — | — | — | — | — | — | — | — |
| ½ | 1 | — | — | — | — | — | — | — | — | — | — |
| ½ | 2 | — | — | — | — | — | — | — | — | — | — |
| ½ | 3 | — | — | — | — | — | — | — | — | — | — |
| ¾ | 2 | — | — | — | — | — | — | — | — | — | — |
| ¾ | 3 | — | — | — | — | — | — | — | — | — | — |
| 1 | 4 | **HC1043** | **HC1044** | — | — | — | — | — | — | — | — |
| 1 | 5 | **HC1046** | **HC1047** | **HC1048** | **HC1049** | — | — | — | — | — | — |
| 1¼ | 5 | **HC1051** | **HC1052** | **HC1053** | **HC1054** | — | — | — | — | — | — |
| 1½ | 5 | **HC1056** | **HC1057** | **HC1058** | **HC1059** | — | — | — | — | — | — |
| 1½ | 6 | — | — | — | **HC1060** | **HC1061** | **HC1062** | **HC1063** | **HC1064** | — | — |
| 2 | 6 | — | — | — | **HC1065** | **HC1066** | **HC1067** | **HC1068** | **HC1069** | — | — |
| 2 | 7 | — | — | — | — | — | — | — | **HC1070** | **HC1071** | **HC1073** |
| 2½ | 7 | — | — | — | — | — | — | — | **HC1076** | **HC1077** | **HC1079** |
| 3 | 7 | — | — | — | — | — | — | — | **HC1086** | **HC1087** | **HC1089** |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
*‡F5 and larger will not be color coded.*

## 3 Conductors

| CordType | | SVO, SV, SVT | SJ, SJO, SJT, SJTO | | | S, SO, ST, STO | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cord Size | | #6 | #4 | #3 | #2 | #1 | #1/0 | #2/0 | #3/0 | #4/0 | #250 |
| Approx. Dia. Inches (mm) | | 1.00" (25.4) | 1.17" (29.7) | 1.24" (31.5) | 1.34" (34.0) | 1.51" (38.4) | 1.65" (41.9) | 1.75" (44.5) | 1.80" (48.0) | 2.07" (52.6) | 2.39" (60.7) |
| Color | | Gray‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ |
| NPT | Form | Catalog Number* | | | | | | | | | |
| ¼ | 1 | — | — | — | — | — | — | — | — | — | — |
| ⅜ | 1 | — | — | — | — | — | — | — | — | — | — |
| ½ | 1 | — | — | — | — | — | — | — | — | — | — |
| ½ | 2 | — | — | — | — | — | — | — | — | — | — |
| ½ | 3 | — | — | — | — | — | — | — | — | — | — |
| ¾ | 2 | — | — | — | — | — | — | — | — | — | — |
| ¾ | 3 | — | — | — | — | — | — | — | — | — | — |
| 1 | 4 | **HC1044** | — | — | — | — | — | — | — | — | — |
| 1 | 5 | **HC1047** | **HC1048** | **HC1048** | **HC1049** | — | — | — | — | — | — |
| 1¼ | 5 | **HC1052** | **HC1053** | **HC1053** | **HC1054** | — | — | — | — | — | — |
| 1½ | 5 | **HC1057** | **HC1058** | **HC1058** | **HC1059** | — | — | — | — | — | — |
| 1½ | 6 | — | — | — | **HC1060** | **HC1062** | **HC1063** | **HC1064** | — | — | — |
| 2 | 6 | — | — | — | **HC1065** | **HC1067** | **HC1068** | **HC1069** | — | — | — |
| 2 | 7 | — | — | — | — | — | — | **HC1070** | **HC1071** | **HC1073** | **HC1075** |
| 2½ | 7 | — | — | — | — | — | — | **HC1076** | **HC1077** | **HC1079** | **HC1081** |
| 3 | 7 | — | — | — | — | — | — | **HC1086** | **HC1087** | **HC1089** | **HC1091** |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
*‡F5 and larger will not be color coded.*

## 4 Conductors

| Cord Type | | SJ, SJO, SJT, SJTO | | | S, SO, ST, STO | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Cord Size | | #18 | #16 | #14 | #18 | #16 | #14 | #12 | #10 | #8 |
| Approx. Dia. Inches (mm) | | .36" (9.0) | .39" (9.8) | .43" (10.8) | .42" (10.7) | .45" (11.4) | .61" (15.5) | .70" (17.8) | .77" (19.4) | .97" (24.6) |
| Color | | White | Blue | Blue | Blue | Blue | Brown | Yellow | Orchid | Gray‡ |
| NPT | Form | Catalog Number* | | | | | | | | |
| ¼ | 1 | **HC1005** | **HC1006** | **HC1006** | **HC1006** | — | — | — | — | — |
| ⅜ | 1 | **HC1011** | **HC1012** | **HC1012** | **HC1012** | — | — | — | — | — |
| ½ | 1 | **HC1017** | **HC1018** | **HC1018** | **HC1018** | — | — | — | — | — |
| ½ | 2 | **HC1022** | **HC1023** | **HC1023** | **HC1023** | **HC1023** | **HC1024** | — | — | — |
| ½ | 3 | — | **HC1025** | **HC1025** | **HC1025** | **HC1025** | **HC1026** | **HC1027** | **HC1028** | — |
| ¾ | 2 | — | **HC1033** | **HC1033** | **HC1033** | **HC1033** | **HC1034** | — | — | — |
| ¾ | 3 | — | **HC1035** | **HC1035** | **HC1035** | **HC1035** | **HC1036** | **HC1037** | **HC1038** | — |
| 1 | 4 | — | **HC1039** | **HC1039** | **HC1039** | **HC1039** | **HC1040** | **HC1041** | **HC1042** | **HC1043** |
| 1 | 5 | — | — | — | — | — | — | — | — | **HC1046** |
| 1¼ | 5 | — | — | — | — | — | — | — | — | **HC1051** |
| 1½ | 5 | — | — | — | — | — | — | — | — | **HC1056** |
| 1½ | 6 | — | — | — | — | — | — | — | — | — |
| 2 | 6 | — | — | — | — | — | — | — | — | — |
| 2 | 7 | — | — | — | — | — | — | — | — | — |
| 2½ | 7 | — | — | — | — | — | — | — | — | — |
| 3 | 7 | — | — | — | — | — | — | — | — | — |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
*‡F5 and larger will not be color coded.*

## 5 Conductors

| Cord Type | | S, SO, ST, STO | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cord Size | | #18 | #16 | #14 | #12 | #10 | #8 | #6 |
| Approx. Dia. Inches (mm) | | .50" (12.7) | .54" (13.7) | .70" (17.7) | .76" (19.3) | .83" (21.1) | 1.06" (26.9) | 1.18" (30.0) |
| Color | | Blue | Brown | Yellow | Orchid‡ | Orchid‡ | Pink‡ | ‡ |
| NPT | Form | Catalog Number* | | | | | | |
| ½ | 2 | **HC1023** | **HC1024** | — | — | — | — | — |
| ½ | 3 | **HC1025** | **HC1026** | **HC1027** | **HC1028** | **HC1028** | — | — |
| ¾ | 2 | **HC1033** | **HC1034** | — | — | — | — | — |
| ¾ | 3 | **HC1035** | **HC1036** | **HC1037** | **HC1038** | **HC1038** | — | — |
| 1 | 4 | **HC1039** | **HC1040** | **HC1041** | **HC1042** | **HC1042** | **HC1044** | — |
| 1 | 5 | — | — | — | **HC1045** | **HC1045** | **HC1047** | **HC1048** |
| 1¼ | 5 | — | — | — | **HC1050** | **HC1050** | **HC1052** | **HC1053** |
| 1½ | 5 | — | — | — | **HC1055** | **HC1055** | **HC1057** | **HC1058** |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page W-86.*
*‡F5 and larger will not be color coded.*

## 4 Conductors

| Cord Type | | SJ, SJO, SJT, SJTO | | | S, SO, ST, STO | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Cord Size | | #6 | #4 | #3 | #2 | #1 | #1/0 | #2/0 | #3/0 | #4/0 |
| Approx. Dia. Inches (mm) | | .94" (23.8) | 1.08" (27.4) | 1.17" (29.7) | 1.27" (33.3) | 1.44" (36.6) | 1.52" (38.6) | 1.65" (41.9) | 1.77" (45.0) | 1.92" (48.8) |
| Color | | Pink‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ | ‡ |
| NPT | Form | Catalog Number* | | | | | | | | |
| ¼ | 1 | — | — | — | — | — | — | — | — | — |
| ⅜ | 1 | — | — | — | — | — | — | — | — | — |
| ½ | 1 | — | — | — | — | — | — | — | — | — |
| ½ | 2 | — | — | — | — | — | — | — | — | — |
| ½ | 3 | — | — | — | — | — | — | — | — | — |
| ¾ | 2 | — | — | — | — | — | — | — | — | — |
| ¾ | 3 | — | — | — | — | — | — | — | — | — |
| 1 | 4 | **HC1044** | — | — | — | — | — | — | — | — |
| 1 | 5 | **HC1047** | **HC1049** | **HC1049** | — | — | — | — | — | — |
| 1¼ | 5 | **HC1052** | **HC1054** | **HC1054** | — | — | — | — | — | — |
| 1½ | 5 | **HC1057** | **HC1059** | **HC1059** | — | — | — | — | — | — |
| 1½ | 6 | — | **HC1060** | **HC1060** | **HC1061** | **HC1063** | **HC1064** | — | — | — |
| 2 | 6 | — | **HC1064** | **HC1065** | **HC1066** | **HC1068** | **HC1069** | — | — | — |
| 2 | 7 | — | — | — | — | — | **HC1070** | **HC1071** | **HC1073** | **HC1074** |
| 2½ | 7 | — | — | — | — | — | **HC1076** | **HC1077** | **HC1079** | **HC1080** |
| 3 | 7 | — | — | — | — | — | **HC1086** | **HC1087** | **HC1089** | **HC1090** |

*Note: *Must add prefix, see Note 1; suffix, see Note 2, below.*
*‡F5 and larger will not be color coded.*

**Note:**

**1.** Add the proper prefix to the HC number to identify the type of connector desired:
SHC = Straight Hubbell Connector
NHC = 90° Hubbell Connector
FHC = Female Hubbell Connector
VHC = 45° Hubbell Connector

**2.** Add the proper suffix to identify material desired:
Aluminum = No suffix
Zinc-Plated Steel = ZP
Corrosion Resistant Nylon = CR
Stainless Steel = SS

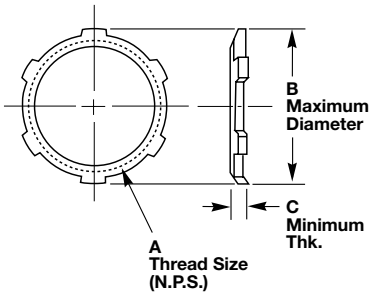
**3.** This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size. The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.

**4.** Cable jacket may have to be stripped to allow conductors to pass through connector body.

## NPT Thread Locknuts

### Zinc-Plated Steel

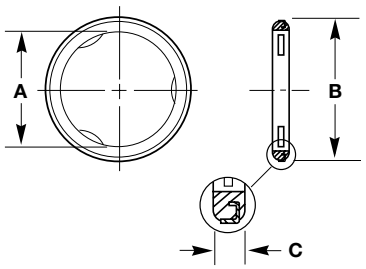
| NPT Hub Size | A Inside Diameter Inches | B Outside Dia. Inches | (mm) | C Thickness Inches | (mm) | Steel Catalog Number |
|---|---|---|---|---|---|---|
| ½ | ½"-14 | 1.14" | (29.0) | .09" | (2.3) | **00322001LPK50** |
| ¾ | ¾"-14 | 1.43" | (36.3) | .11" | (2.8) | **00322002LPK50** |
| 1 | 1"-11½ | 1.77" | (45.0) | .13" | (3.3) | **00322003LPK50** |
| 1¼ | 1¼"-11½ | 2.28" | (57.9) | .13" | (3.3) | **00322004LPK50** |
| 1½ | 1½"-11½ | 2.60" | (66.0) | .13" | (3.3) | **00322005LPK50** |




## Metal Clad Sealing O-Rings – Sizes ½ - 4

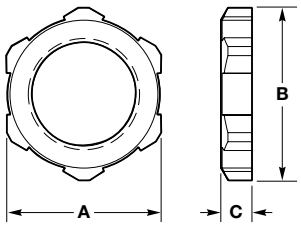
### Zinc-Plated Steel with Neoprene Ring

| NPT Hub Size | A Inside Diameter Inches | (mm) | B Outside Dia. Inches | (mm) | C Thickness Inches | (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|
| ½ | .80" | (20.3) | 1.08" | (27.4) | .16" | (3.2) | **20509001** |
| ¾ | 1.00" | (25.4) | 1.34" | (34.0) | .16" | (3.2) | **20509002** |
| 1 | 1.25" | (31.6) | 1.63" | (41.4) | .16" | (3.2) | **20509003** |
| 1¼ | 1.61" | (40.9) | 2.00" | (50.8) | .16" | (3.2) | **20509004** |
| 1½ | 1.84" | (46.7) | 2.36" | (59.9) | .16" | (3.2) | **20509005** |
| 2 | 2.31" | (58.7) | 2.83" | (71.9) | .16" | (3.2) | **20509006** |
| **Chrome Plated Steel with Neoprene Ring** | | | | | | | |
| 2½ | 2.91" | (73.9) | 3.44" | (87.4) | .24" | (6.1) | **20509007** |
| 3 | 3.52" | (89.4) | 4.08" | (103.6) | .24" | (6.1) | **20509008** |




## Nylon PG Thread Locknuts

| PG Thread Size | A Inches | (mm) | B Inches | (mm) | C Inches | (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|
| PG7 | .75" | (19.1) | .80" | (20.3) | .22" | (5.6) | **LNP7BPK100** |
| PG9 | .86" | (21.8) | .91" | (23.2) | .22" | (5.6) | **LNP9BPK100** |
| PG11 | .94" | (23.9) | 1.03" | (26.2) | .22" | (5.6) | **LNP11BPK100** |
| PG13.5 | 1.06" | (26.9) | 1.14" | (29.0) | .24" | (6.1) | **LNP13BPK100** |
| PG16 | 1.18" | (30.0) | 1.30" | (33.0) | .25" | (6.1) | **LNP16BPK100** |
| PG21 | 1.41" | (35.8) | 1.54" | (39.1) | .25" | (6.1) | **LNP21BPK100** |
| PG29 | 1.81" | (46.0) | 2.00" | (50.8) | .25" | (6.1) | **LNP29BPK25** |
| PG36 | 2.24" | (56.9) | 2.50" | (63.5) | .25" | (6.1) | **LNP36BPK25** |




## Nylon Metric Thread Locknuts

| PG Thread Size | A Inches | (mm) | B Inches | (mm) | C Inches | (mm) | Catalog Number |
|---|---|---|---|---|---|---|---|
| M12 | .75" | (19.1) | .82" | (20.8) | .22" | (5.6) | **LNM12BPK100** |
| M16 | .87" | (22.09) | .98" | (25.0) | .22" | (5.6) | **LNM16BPK100** |
| M20 | 1.06" | (27.0) | 1.18" | (30.0) | .25" | (6.4) | **LNM20BPK100** |
| M25 | 1.38" | (35.1) | 1.54" | (39.1) | .28" | (7.1) | **LNM25BPK100** |
| M32 | 1.61" | (40.9) | 1.80" | (45.7) | .28" | (7.1) | **LNM32BPK100** |
| M40 | 1.97" | (50.0) | 2.18" | (55.4) | .28" | (7.1) | **LNM40BPK100** |

*Dimensions shown are approximate and are subject to change without notice.*

## Hubbell Juniors®

| Material | Operating Temperature Range |
|---|---|
| Nylon (connectors and GOTCHA® rings) | -40°F to +225°F (-40°C to +107°C) |
| Neoprene (bushings) | -30°F to +240°F (-34°C to +115°C) |

Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94X-2 rating.

Certifications

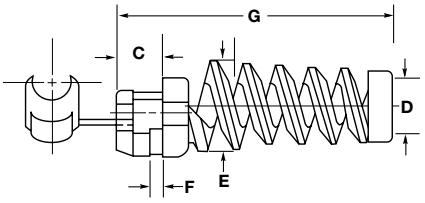
| Product | Agency |
|---|---|
| Liquidtight and Liquidtight with Spiral | UL Listed.<br>CSA Certified. |
| Snap-In | UL Recognized.<br>CSA Certified. |

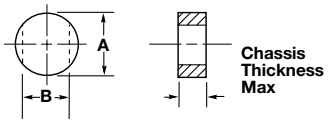
## Knockout Holes

| NPT Hub Size | Knockout Hole Recommended Min. to Max. inches | (mm) |
|---|---|---|
| ¼ | .54"-.57" | (13.7-14.5) |
| ⅜ | .67"-.70" | (17.0-17.8) |
| ½ | .86"-.91" | (21.8-23.1) |

## Snap-In

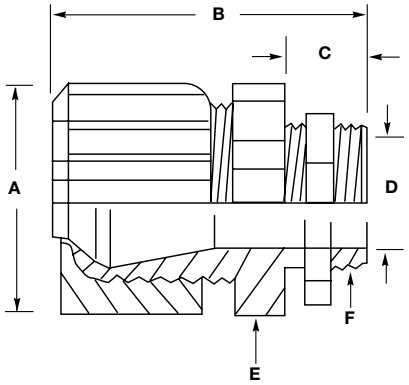
| Diameter Range Inches (mm) | For Chassis Thickness (Max.) Inches (mm) | Required Hole Size A Inches (mm) | B Inches (mm) | Dimensional Specifications C Inches (mm) | D Inches (mm) | E Inches (mm) | F Inches (mm) | G Inches (mm) |
|---|---|---|---|---|---|---|---|---|
| .22"-.27" (5.6-6.9) | .10" (2.5) | .50" (12.7) | .45" (11.4) | .28" (7.1) | .28" (7.1) | .54" (13.7) | .12" (3.0) | 1.84" (44.2) |
| .28"-.32" (7.1-8.1) | .10" (2.5) | .50" (12.7) | .47" (11.9) | .28" (7.1) | .33" (8.4) | .59" (15.0) | .12" (3.0) | 1.84" (44.2) |
| .30"-.36" (7.6-9.1) | .13" (3.3) | .63" (16.0) | .55" (14.0) | .36" (9.1) | .37" (9.4) | .65" (16.5) | .14" (3.6) | 2.18" (55.4) |
| .32"-.43" (8.1-10.9) | .13" (3.3) | .75" (19.0) | .66" (16.8) | .45" (11.4) | .44" (11.2) | .75" (19.1) | .14" (3.6) | 2.60" (66.0) |



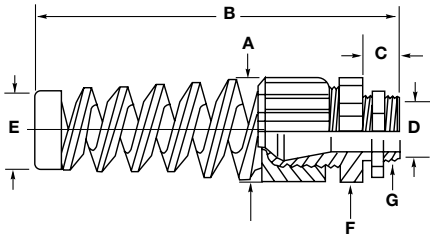

## Liquidtight

| F NPT Inches | A Dia. Inches (mm) | B Ref. Inches (mm) | C Inches (mm) | D Throat Dia. Inches (mm) | E Across Corners Inches (mm) | E Across Flats Inches (mm) |
|---|---|---|---|---|---|---|
| ¼-18 | .65" (16.5) | 1.30" (33.0) | .40" (10.2) | .29" (7.4) | .65" (16.5) | .60" (15.2) |
| ⅜-18 | .81" (20.6) | 1.44" (36.6) | .41" (10.4) | .36" (9.1) | .81" (20.6) | .75" (19.1) |
| ½-14 | 1.00" (25.4) | 1.56" (39.6) | .46" (11.7) | .45" (11.4) | .99" (25.1) | .92" (23.4) |




## Liquidtight with Spiral

| G NPT Inches | A Dia. Inches (mm) | B Ref. Inches (mm) | C Inches (mm) | D Throat Dia. Inches (mm) | E Inches (mm) | F Across Corners Inches (mm) | F Across Flats Inches (mm) |
|---|---|---|---|---|---|---|---|
| ¼-18 | .65" (16.5) | 2.55" (64.8) | .40" (10.2) | .29" (7.4) | .27" (6.9) | .65" (16.5) | .60" (15.2) |
| ⅜-18 | .81" (20.6) | 3.10" (78.7) | .41" (10.4) | .36" (9.1) | .35" (8.9) | .81" (20.6) | .75" (19.1) |
| ½-14 | 1.00" (25.4) | 3.72" (94.5) | .46" (11.7) | .45" (11.4) | .45" (11.4) | .99" (25.1) | .92" (23.4) |




*Dimensions shown are approximate and are subject to change without notice.*

## Features and Benefits

### PolyTuff® I and PolyTuff® II Non-Metallic Liquidtight Conduit

All non-metallic construction ends fatigue and separation problems. They can be cut cleanly with a knife or PVC cutter so there are no jagged metal edges.





**PolyTuff® I Conduit, Gray**

- Rigid PVC core bonded to flexible PVC jacket
- Approved for outdoor use and direct burial
- UL Listed and CSA Certified



**PolyTuff® II Tubing, Black**

- PVC core with corrugated walls bonded to PVC jacket
- Handles twists, turns, bends, switchbacks and straightaways with ease
- UL Recognized and CSA Certified

### PolyTuff® I Conduit

IP66 SUITABILITY

| Trade Size (metric designator) | Feet (m) | Catalog Number |
|---|---|---|
| ⅜ (12) | 100 (30.5)<br>1200 (365.8) | **G1038**<br>**G1038R1200** |
| ½ (16) | 100 (30.5)<br>1000 (304.8) | **G1050**<br>**G1050R1000** |
| ¾ (21) | 100 (30.5)<br>500 (152.4) | **G1075**<br>**G1075R500** |
| 1 (27) | 100 (30.5)<br>500 (152.4) | **G1100**<br>**G1100R500** |
| 1¼ (35) | 100 (30.5) | **G1125** |
| 1½ (41) | 50 (15.2) | **G1150** |
| 2 (53) | 50 (15.2) | **G1200** |

*Note: See pages W-58 and W-59, W-90 and W-91 for approved fittings.*
*See pages W-92 and W-93 for technical information and dimensional drawings.*





### PolyTuff® II Tubing

IP66 SUITABILITY

| Trade Size (metric designator) | Feet (m) | Catalog Number |
|---|---|---|
| ¼ (10) | 100 (30.5) | **B2025** |
| ⅜ (12) | 100 (30.5)<br>1200 (365.8) | **B2038**<br>**B2038R1200** |
| ½ (16) | 100 (30.5)<br>1000 (304.8) | **B2050**<br>**B2050R1000** |
| ¾ (21) | 100 (30.5)<br>800 (243.8) | **B2075**<br>**B2075R800** |
| 1 (27) | 100 (30.5)<br>500 (152.4) | **B2100**<br>**B2100R500** |
| 1¼ (35) | 100 (30.5) | **B2125** |
| 1½ (41) | 50 (15.2) | **B2150** |
| 2 (53) | 50 (15.2) | **B2200** |

*Note: See page W-90 for approved fittings.*
*See pages W-92 and W-93 for technical information and dimensional drawings.*



UL Listed to
Type 4, 4X, 12 and 13

# PolyTuff® Non-Metallic Liquidtight Fittings



P075NBKA



P075NGYA

## Straight with Male Non-Metallic Liquidtight Fittings

| Trade Size (metric designator) | Black Catalog Number | Gray Catalog Number |
|---|---|---|
| ¼ (10) | **F2025** | — |
| ⅜ (12) | **P038NBKA** | **P038NGYA** |
| ½ (16) | **P050NBKA** | **P050NGYA** |
| ¾ (21) | **P075NBKA** | **P075NGYA** |
| 1 (27) | **P100NBKA** | **P100NGYA** |
| 1¼ (35) | **P125NBK** | **P125NGY** |
| 1½ (41) | **P150NBK** | **P150NGY** |
| 2 (53) | **P200NBK** | **P200NGY** |

*Note: Fittings are to be used with PolyTuff I and PolyTuff II.*
*See pages W-94 and W-95 for technical information and dimensional drawings.*
*⅜" Liquidtight conduit fitting have ½ NPT male threads.*



**PS0509NGY**
SwivelLok® Multi-Position

## SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

| Trade Size (metric designator) | Black Catalog Number | Gray Catalog Number |
|---|---|---|
| ⅜ (12) | **PS0389NBK** | **PS0389NGY** |
| ½ (16) | **PS0509NBK** | **PS0509NGY** |
| ¾ (21) | **PS0759NBK** | **PS0759NGY** |
| 1 (27) | **PS1009NBK** | **PS1009NGY** |

*Note: Fittings are to be used with PolyTuff I and PolyTuff II.*
*See pages W-94 and W-95 for technical information and dimensional drawings.*
*⅜" Liquidtight conduit fitting have ½ NPT male threads.*



P0759NBK



P0759NGY

## Fixed 90°Fittings for Non-Metallic Conduit

| Trade Size (metric designator) | Black Catalog Number | Gray Catalog Number |
|---|---|---|
| ⅜ (12) | **P0389NBK** | **P0389NGY** |
| ½ (16) | **P0509NBK** | **P0509NGY** |
| ¾ (21) | **P0759NBK** | **P0759NGY** |
| 1 (27) | **P1009NBK** | **P1009NGY** |
| 1¼ (35) | **P1259NBK** | **P1259NGY** |

*Note: Fittings are to be used with PolyTuff I and PolyTuff II.*
*See pages W-94 and W-95 for technical information and dimensional drawings.*
*⅜" Liquidtight conduit fitting have ½ NPT male threads.*



**PS05GYKIT**

## SwivelLok® Flexible Conduit Kit

| Trade Size (metric designator) | Fitting and Conduit | Catalog Number |
|---|---|---|
| ½ (16) | 2 PS0509NGY, 6' G1050 | **PS05GYKIT** |
| ¾ (21) | 2 PS0759NGY, 6' G1075 | **PS07GYKIT** |

*Note: See pages W-94 and W-95 for technical information and dimensional drawings.*

## Metallic Liquidtight Conduit Fittings

### Straight Conduit Fitting

| Trade Size (metric designator) | Insulated | Non-Insulated |
|---|---|---|
| ⅜ (12) | **H0381** | **H038** |
| ½ (16) | **H0501** | **H050** |
| ¾ (21) | **H0751** | **H075** |
| 1 (27) | **H1001** | **H100** |
| 1¼ (35) | **H1251** | **H125** |
| 1½ (41) | **H1501** | **H150** |
| 2 (53) | **H2001** | **H200** |
| 2½ (63) | **H2501** | **H250** |
| 3 (78) | **H3001** | **H300** |
| 3½ (91) | **H3501** | **H350** |
| 4 (103) | **H4001** | **H400** |

*Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.*
*For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.*
*See page W-96 for technical information.*


**H075**


**H0751**

### 45° Conduit Fitting

| Trade Size (metric designator) | Insulated | Non-Insulated |
|---|---|---|
| ⅜ (12) | **H03841** | **H0384** |
| ½ (16) | **H05041** | **H0504** |
| ¾ (21) | **H07541** | **H0754** |
| 1 (27) | **H10041** | **H1004** |
| 1¼ (35) | **H12541** | **H1254** |
| 1½ (41) | **H15041** | **H1504** |
| 2 (53) | **H20041** | **H2004** |

*Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.*
*For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.*
*See page W-96 for technical information.*


**H0754**


**H07541**

### 90° Conduit Fitting

| Trade Size (metric designator) | Insulated | Non-Insulated |
|---|---|---|
| ⅜ (12) | **H03891** | **H0389** |
| ½ (16) | **H05091** | **H0509** |
| ¾ (21) | **H07591** | **H0759** |
| 1 (27) | **H10091** | **H1009** |
| 1¼ (35) | **H12591** | **H1259** |
| 1½ (41) | **H15091** | **H1509** |
| 2 (53) | **H20091** | **H2009** |
| 2½ (63) | **H25091** | **H2509** |
| 3 (78) | **H30091** | **H3009** |
| 4 (103) | **H40091** | **H4009** |

*Note: ⅜" Liquidtight conduit fitting have ½ NPT male threads.*
*For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.*
*See page W-96 for technical information.*


**H0759**


**H07591**

## PolyTuff® I Conduit

| | |
|---|---|
| **Operating Temperature Range** | |
| Wet environment | 0°F to +140°F (-18°C to +60°C). |
| Oil environment | 0°F to +158°F (-18°C to +70°C). |
| Dry environment | 0°F to +176°F (-18°C to +80°C). |
| **Certifications** | |
| UL Listed | UL Standard 1660. Sunlight resistant approved for outdoor use, direct burial. |
| CSA Certified | Meets requirements of NEC. |
| **Voltage Rating** | |
| Maximum | 600V. |
| **Material** | |
| Conduit | Co-extruded rigid and flexible PVC. |

## PolyTuff® II Tubing

| | |
|---|---|
| **Operating Temperature Range** | |
| Operating environment | 0°F to +140°F (-18°C to +60°C). |
| **Certifications** | |
| UL Recognized | |
| CSA Certified | |
| **Voltage Rating** | |
| Maximum | Same as wire insulation rating. |
| **Material** | |
| Tubing | Co-extruded rigid and flexible PVC. |

## PolyTuff® I Conduit

| Trade Size (metric designator) | Conduit ID/OD Inches | (mm) | Bend Radius Inches | (mm) |
|---|---|---|---|---|
| ⅜ (12) | .49"/.70" | (12.6/17.8) | 2.00" | (50.8) |
| ½ (16) | .63"/.83" | (16.1/21.1) | 3.00" | (76.2) |
| ¾ (21) | .83"/1.04" | (21.1/26.4) | 4.00" | (101.6) |
| 1 (27) | 1.05"/1.30" | (26.0/33.1) | 5.00" | (217.0) |
| 1¼ (35) | 1.40"/1.65" | (35.4/41.8) | 6.30" | (158.8) |
| 1½ (41) | 1.59"/1.88" | (40.3/47.8) | 7.50" | (190.5) |
| 2 (53) | 2.03"/2.36" | (51.6/59.9) | 10.00" | (254.0) |

## PolyTuff® II Tubing

| Trade Size (metric designator) | Conduit ID/OD Inches | (mm) | Bend Radius Inches | (mm) |
|---|---|---|---|---|
| ¼ (10) | .36"/.57" | (9.3/14.5) | 1.50" | (38.1) |
| ⅜ (12) | .49"/.70" | (12.6/17.8) | 2.00" | (50.8) |
| ½ (16) | .63"/.83" | (16.1/21.1) | 2.00" | (50.8) |
| ¾ (21) | .83"/1.04" | (21.1/26.4) | 3.00" | (76.2) |
| 1 (27) | 1.05"/1.30" | (26.0/33.1) | 3.00" | (76.2) |
| 1¼ (35) | 1.40"/1.65" | (35.4/41.8) | 5.00" | (127.0) |
| 1½ (41) | 1.59"/1.88" | (40.3/47.8) | 5.00" | (127.0) |
| 2 (53) | 2.03"/2.36" | (51.6/59.9) | 5.00" | (127.0) |

## PolyTuff® I and II Conduit/Tubing; PVC Chemical Resistance

| Chemical | Conc.* | Temp. 70°F 21°C | 150°F 66°C |
|---|---|---|---|
| Acetate Solvents | | D | D |
| Acetic Acid | | B | C |
| Acetic Acid (Glacial) | | C | D |
| Acetone | | D | D |
| Acrylontrile | | A | B |
| Alcohols (Aliphatic) | | C | C |
| Aluminum Chloride | | A | A |
| Aluminum Sulfate (Alums) | | A | A |
| Ammonia (Anhydrous Liquids) | | D | D |
| Ammonia (Aqueous) | | A | A |
| Ammoniated Latex | | A | C |
| Ammonium Chloride | | A | A |
| Ammonium Hydroxide | | A | A |
| Amyl Acetate | | D | D |
| Aniline Oils | | D | D |
| Aromatic Hydrocarbons | | D | D |
| Asphalt | | D | D |
| ASTM Fuel A | | C | C |
| ASTM Fuel B | | D | D |
| ASTM #1 Oil | | B | C |
| ASTM #3 Oil | | C | D |
| Barium Chloride | | A | A |
| Barium Sulfide | | A | A |
| Barium Hydroxide | | A | A |
| Benzene (Benzol) | | D | D |
| Benzine (Petroleum Ether) | | C | C |
| Black Liquor | | A | A |
| Bordeaux Mixture | | A | A |
| Boric Acid | | A | A |
| Butyl Acetate | | D | D |
| Butyl Alcohol | | B | C |
| Calcium Hydroxide | | A | A |
| Calcium Hypochlorite | | A | A |
| Carbolic Acid (Phenol) | | B | C |
| Carbon Dioxide | | A | A |
| Carbon Disulfide | | D | D |
| Carbon Tetrachloride | | D | D |
| Carbonic Acid | | A | A |
| Casein | | A | C |
| Caustic Soda | | A | B |
| Chlorine Gas (wet) | | D | D |
| Chlorine Gas (dry) | | D | D |
| Chlorine (water solution) | | C | D |
| Chlorobenzene | | D | D |
| Chlorinated Hydrocarbons | | D | D |
| Chromic Acid | | B | C |
| Citric Acid | | A | A |
| Coal Tar | | D | D |
| Coconut Oil | | C | D |
| Corn Oil | | A | B |
| Cottonseed Oil | | C | D |
| Creosote | | D | D |
| Cresol | | C | D |
| Crysylic Acid | | D | D |
| Cyclohexane | | B | C |
| DDT Weed Killer | | A | C |
| Dibutyl Phthalate | | D | D |
| Diesel Oils | | C | D |
| Diethylene Glycol | | B | C |
| Diethyl Ether | | A | C |
| Di-isodecyl Phthalate | | D | D |
| Dioctyl Phthalate | | D | D |
| Dow General Weed Killer (Phenol) | | D | D |
| Dow General Weed Killer (H2O) | | B | C |
| Ethyl Alcohol | | C | C |
| Ethylene Dichloride | | D | D |
| Ethylene Glycol | | B | C |
| Ferric Chloride | | A | A |
| Ferric Sulfate | | A | A |
| Ferrous Chloride | | A | A |
| Ferrous Sulfate | | A | A |
| Formaldehyde | | D | D |
| Fuel Oil | | B | C |
| Furfural | | C | C |
| Gallic Acid | | A | A |
| Gasoline (Hi Test) | | C | D |
| Glycerine | | A | A |
| Grease | | A | C |
| Green Sulfate Liquor | | A | A |
| Heptachlor in Petroleum Solvents | | A | C |
| Heptane | | C | D |
| Hexane | | C | D |
| Hydrobromic Acid | | A | A |
| Hydrochloric Acid | 10% | A | A |
| Hydrochloric Acid | 40% | C | C |
| Hydrofluoric Acid | 70% | D | D |
| Hydrofluorosilicic Acid | | A | A |
| Hydrofluorosilicic Acid | 10% | A | A |
| Hydrogen Peroxide | | A | B |
| Iso-Octane | | C | C |
| Isopropyl Acetate | | D | D |
| Isopropyl Acid | | B | C |
| Jet Fuels (JP-3, and 5) | | C | D |
| Kerosene | | C | C |
| Ketones | | D | D |
| Linseed Oil | | A | A |
| Lubricating Oils | | A | A |
| Magnesium Chloride | | A | A |
| Magnesium Hydroxide | | A | A |
| Magnesium Sulfate | | A | A |
| Malathion 50 in Aromatics | | D | D |
| Malic Acid | | A | A |
| Methyl Acetate | | D | D |
| Methyl Alcohol | | C | C |
| Methyl Bromide | | D | D |
| Methyl Ethyl Ketone | | D | D |
| Methylene Chloride | | D | D |
| Mineral Oil | | | |
| Monochlorobenezene | | A | A |
| Muriatic Acid (see Hydrochloric Acid) | | | |
| Naphtha | | C | D |
| Naphthalene | | D | D |
| Nitric Acid | 10% | A | B |
| Nitric Acid | 35% | A | C |
| Nitric Acid | 70% | D | D |
| Oleic Acid | | A | C |
| Oleum | | D | D |
| Oxalic Acid | | A | A |
| Pentachlorophenol in Oil | | B | C |
| Pentane | | C | D |
| Perchloroethylene | | B | C |
| Petroleum Ether | | C | C |
| Phenol | | A | A |
| Phosphoric Acid | 10% | A | A |
| Pitch | 50% | A | B |
| Potassium Hydroxide | | C | D |
| Sodium Cyanide | | A | A |
| Stoddard Solvent | | D | D |
| Styrene | | D | D |
| Sulfur Dioxide (liquid) | | D | D |
| Sulfuric Acid | 50% | A | B |
| Sulfuric Acid | 98% | D | D |
| Sulfurous Acid | | B | C |
| Tall Oil | | D | D |
| Tannic Acid | | A | A |
| Toluene | | D | D |
| Trichlorethylene | | D | D |
| Triethanol Amine | | C | D |
| Tricresyl Phosphate (Skydrol) | | D | D |
| Turpentine | | C | D |
| Vinegar | | A | B |
| Vinyl Chloride | | D | D |
| Water | | A | A |
| White Liquor | | A | A |
| Xylene | | D | D |
| Zinc Chloride | | A | A |
| Zinc Sulfate | | A | A |

*Note: *Conc. = Concentration.*
*(All ratings apply to concentrated or saturated solutions unless otherwise specified.)*
*Chemical resistance ratings are based upon information supplied by the raw material manufacturers.*
*Use as a general guide only – samples should be tested by user under actual conditions.*

## Rating Code

**A-Excellent service**
No harmful effect to reduce service life. Suitable for continuous service.

**B-Good service life.**
Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

**C-Fair or limited service.**
Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

**D-Unsatisfactory service.**
Not recommended.

## PolyTuff® Fittings

| Operating Temperature* | |
|---|---|
| Nylon (Body, Nut, Gripping Ring and Locknut) | –40°F to +225°F (–40°C to +107°C). |
| Neoprene (Sealing Ring) | –30°F to +240°F (–34°C to +116°C). |
| **Flammability** | |
| Fire Gas Toxicity Product Testing | Nylon PolyTuff Fittings have a UL 94X-2 rating. |
| **Certifications** | |
| UL Listed | UL50 Type 4X, 12 and 13. |
| CSA Certified | PolyTuff I Fittings, PolyTuff II Fittings. |

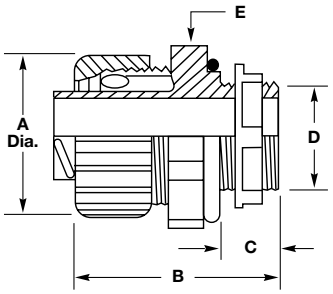
## Liquidtight Fittings

| Operating Temperature** | |
|---|---|
| Steel/Malleable Iron (Nut, Body, Ferrule) | –60°F to +1000°F (–51°C to +538°C). |
| Nylon (Gland Ring) | –40°F to +225°F (–40°C to +107°C). |
| **Hazardous Locations - NEC Reference** | |
| Class I, Div. 2 - 501-10(A)(3)B | |
| Class II, Div. 1 - 502-10(A)(2) | |
| Class II, Div. 2 - 502-10(A)(3) | |
| Class III, Div. 1 - 503-10(A)(2) | |
| Class III, Div. 2 - 503-10(B) | |
| **Certifications** | |
| UL Listed to UL 514B | |
| CSA Certified | |

*Note: *Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range –30°F to +225°F (–34°C to +107°C).*
***Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of –40°F to +225°F (–40°C to +107°C).*

## Straight with Male Non-Metallic Liquidtight Fittings

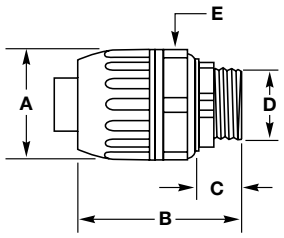
| Trade Size (md**) | A | B | C | D Throat Dia. | E Across Corners | E Across Flats |
|---|---|---|---|---|---|---|
| ¼ (10) | .93" (23.6) | 1.45" (36.8) | .39" (9.9) | .32" (8.1) | .86" (Dia.) (21.8) | |
| ⅜ (12) | 1.14" (29.0) | 1.63" (41.4) | .57" (14.5) | .42" (10.7) | 1.41" (35.8) | 1.30" (33.0) |
| ½ (16) | 1.30" (33.0) | 2.14" (54.4) | .57" (14.5) | .55" (14.0) | 1.41" (35.8) | 1.30" (33.0) |
| ¾ (21) | 1.53" (38.9) | 2.22" (56.4) | .58" (14.7) | .74" (18.8) | 1.85" (47.0) | 1.53" (38.9) |
| 1 (27) | 1.80" (45.7) | 2.32" (58.9) | .72" (18.3) | .96" (24.4) | 1.94" (49.3) | 1.80" (45.7) |
| 1¼ (35) | 2.20" (55.9) | 2.15" (54.6) | .74" (18.8) | 1.30" (33.0) | 2.38" (60.5) | 2.18" (55.4) |
| 1½ (41) | 2.49" (63.2) | 2.35" (59.7) | .76" (19.3) | 1.46" (37.1) | 2.63" (66.8) | 2.43" (61.7) |
| 2 (53) | 3.05" (77.4) | 2.51" (63.6) | .79" (20.1) | 1.90" (48.3) | 3.13" (79.5) | 2.93" (74.4) |



Sizes: ¼", 1¼", 1½", 2"

## 90° with Male Non-Metallic Liquidtight Fittings

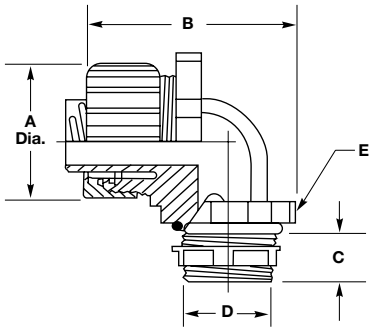
| Trade Size (md**) | A | B | C | D Throat Dia. | E Across Corners | E Across Flats |
|---|---|---|---|---|---|---|
| ¼ (10) | .93" (23.6) | 1.88" (47.8) | .39" (9.9) | .32" (8.1) | .86"(Dia.) (21.8) | |
| 1¼ (35) | 2.21" (56.1) | 3.57" (90.7) | .74" (18.9) | 1.30" (33.0) | 2.38" (60.5) | 2.18" (55.4) |



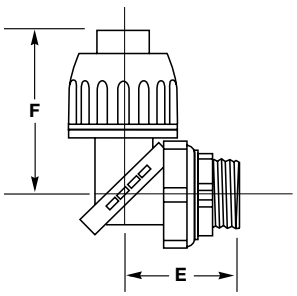
Sizes: ⅜", ½", ¾", 1"

## SwivelLok® Multi-Position Liquidtight Fittings

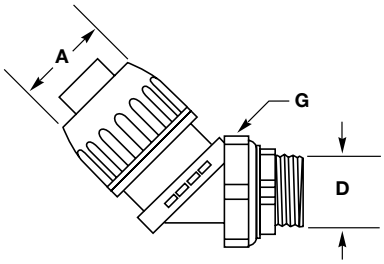
| Trade Size (md**) | A | B | C | D | E | F | G Across Corners | G Across Flats |
|---|---|---|---|---|---|---|---|---|
| ⅜ (12) | 1.30" (33.0) | 3.27" (83.1) | .57" (14.5) | .55" (14.0) | 1.43" (36.3) | 2.00" (50.8) | 1.41" (35.8) | 1.30" (33.0) |
| ½ (16) | 1.30" (33.0) | 3.27" (83.1) | .57" (14.5) | .55" (14.0) | 1.43" (36.3) | 2.00" (50.8) | 1.41" (35.8) | 1.30" (33.0) |
| ¾ (21) | 1.53" (38.9) | 3.66" (93.0) | .58" (15.7) | .74" (18.8) | 1.59" (40.4) | 2.23" (56.6) | 1.65" (41.9) | 1.53" (38.9) |
| 1 (27) | 1.80" (45.7) | 4.00" (101.6) | .72" (18.3) | .96" (24.4) | 1.84" (46.7) | 2.30" (58.4) | 1.94" (49.3) | 1.80" (45.7) |



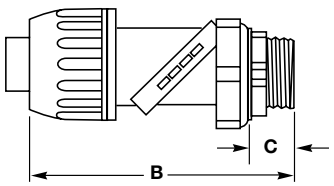

*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*



90° Position

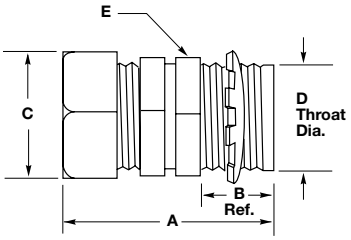


45° Position



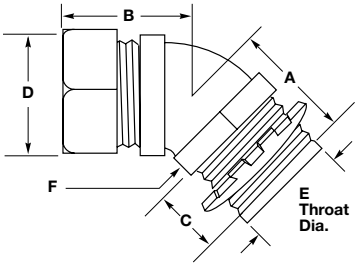
Straight Position

## Straight with Male Metallic Metal Fitting



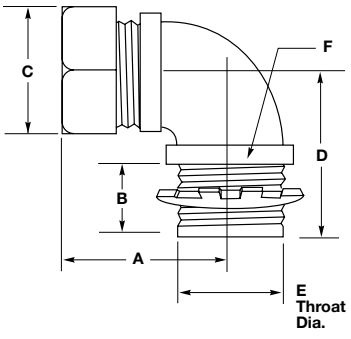

| Trade Size (md**) | A Ref. | B | C A/C* | C A/F* | D Throat Dia. | E A/C* | E A/F* |
|---|---|---|---|---|---|---|---|
| ⅜ (12) | 1.43" (36.3) | .59" (15.0) | 1.20" (30.0) | 1.06" (26.9) | .61" (15.5) | 1.07" (27.2) | .93" (23.6) |
| ½ (16) | 1.43" (36.3) | .59" (15.0) | 1.34" (34.0) | 1.19" (30.2) | .61" (15.5) | 1.22" (31.0) | 1.06" (26.9) |
| ¾ (21) | 1.56" (39.6) | .59" (15.0) | 1.55" (39.0) | 1.37" (34.8) | .84" (21.3) | 1.43" (36.3) | 1.25" (31.8) |
| 1 (27) | 1.68" (42.7) | .66" (16.8) | 1.95" (50.0) | 1.69" (42.9) | 1.06" (26.9) | 1.73" (43.9) | 1.56" (39.6) |
| 1¼ (35) | 2.03" (51.6) | .63" (16.8) | 2.39" (61.0) | 2.06" (52.3) | 1.37" (34.8) | 2.36" (59.9) | 2.08" (52.8) |
| 1½ (41) | 2.21" (56.1) | .63" (16.8) | 2.72" (69.0) | 2.38" (60.5) | 1.53" (38.9) | 2.79" (70.9) | 2.48" (63.0) |
| 2 (53) | 2.28" (57.9) | .69" (17.5) | 3.08" (78.0) | 2.87" (72.9) | 2.06" (52.3) | 3.32" (84.3) | 2.90" (73.7) |
| 2½ (63) | 3.56" (90.4) | 1.06" (26.9) | 3.92" (100.0) | 3.62" (91.9) | 2.42" (61.5) | 3.85" (97.8) | 3.60" (91.4) |
| 3 (78) | 3.81" (96.8) | 1.06" (26.9) | 4.70" (119.0) | 4.31" (109.5) | 3.01" (76.5) | 4.65" (118.1) | 4.33" (110.0) |
| 3½ (91) | 3.81" (96.8) | 1.06" (26.9) | 5.29" (134.0) | 4.81" (122.2) | 3.49" (88.6) | 5.18" (131.6) | 4.82" (122.4) |
| 4 (103) | 3.81" (96.8) | 1.06" (26.9) | 5.75" (146.0) | 5.31" (134.9) | 3.96" (100.6) | 5.75" (146.1) | 5.39" (136.9) |

## 45° with Male Metallic Metal Fitting




| Trade Size (md**) | A | B | C | D A/C* | D A/F* | E Throat Dia. | F A/C* | F A/F* |
|---|---|---|---|---|---|---|---|---|
| ⅜ (12) | 1.19" (30.2) | 1.28" (32.5) | .59" (15.0) | 1.20" (30.5) | 1.06" (26.9) | .60" (15.2) | 1.16" (29.5) | 1.02" (25.9) |
| ½ (16) | 1.19" (30.2) | 1.28" (32.5) | .59" (15.0) | 1.34" (34.0) | 1.19" (30.2) | .61" (15.2) | 1.21" (30.7) | 1.06" (26.9) |
| ¾ (21) | 1.19" (30.2) | 1.43" (36.3) | .59" (15.0) | 1.55" (39.4) | 1.45" (36.8) | .84" (21.3) | 1.50" (38.1) | 1.32" (33.5) |
| 1 (27) | 1.38" (35.1) | 1.53" (38.9) | .66" (16.8) | 1.95" (49.5) | 1.69" (42.9) | 1.05" (26.7) | 1.82" (46.2) | 1.59" (40.4) |
| 1¼ (35) | 1.42" (36.1) | 1.69" (42.9) | .63" (16.0) | 2.39" (60.7) | 2.06" (52.3) | 1.37" (34.8) | 2.32" (58.9) | 2.03" (5.16) |
| 1½ (41) | 1.66" (42.2) | 2.00" (50.8) | .66" (16.8) | 2.72" (69.1) | 2.38" (60.5) | 1.60" (40.6) | 2.62" (66.5) | 2.29" (58.2) |
| 2 (53) | 1.69" (42.9) | 2.25" (57.2) | .66" (16.8) | 3.08" (78.2) | 2.88" (73.2) | 2.05" (52.1) | 3.21" (81.5) | 2.80" (71.1) |

## 90° with Male Metallic Metal Fitting

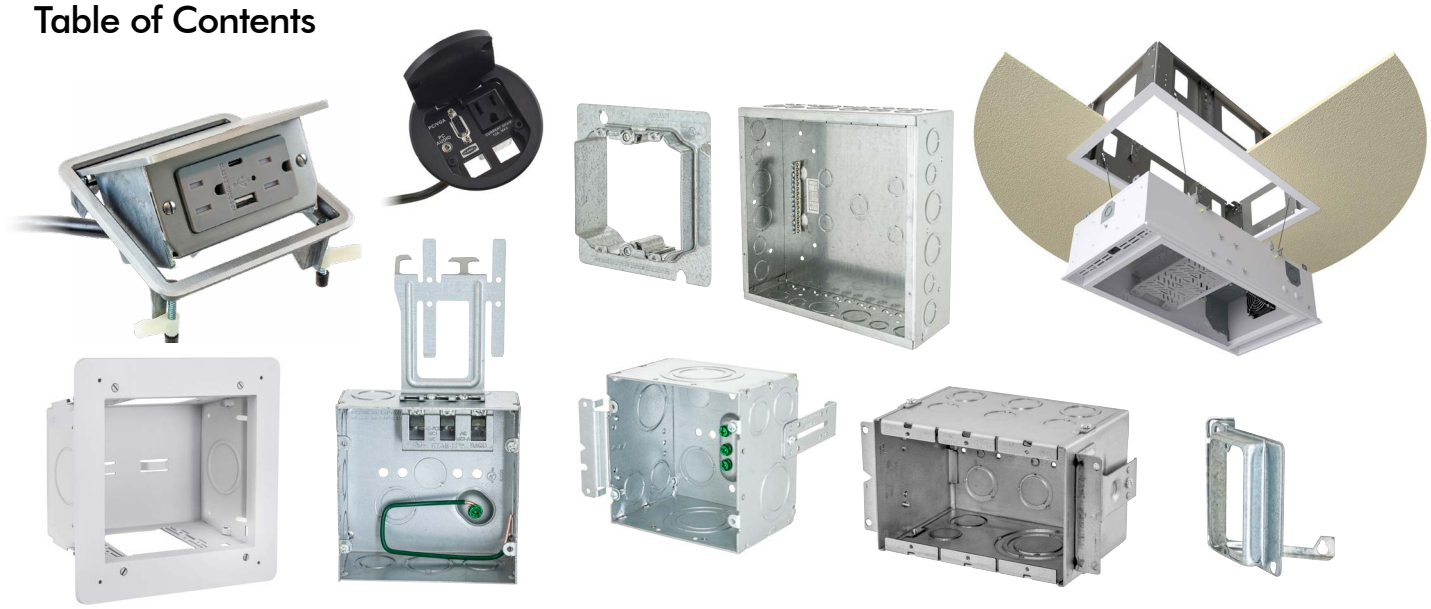



| Trade Size (md**) | A | B | C A/C* | C A/F* | D Ref. | E Throat Dia. | F A/C* | F A/F* |
|---|---|---|---|---|---|---|---|---|
| ⅜ (12) | 1.31" (33.3) | .59" (15.0) | 1.20" (30.5) | 1.06" (26.9) | 1.44" (36.6) | .60" (15.2) | 1.13" (29.0) | .99" (25.1) |
| ½ (16) | 1.31" (33.3) | .59" (15.0) | 1.34" (34.0) | 1.12" (28.4) | 1.44" (36.6) | .61" (15.5) | 1.12" (28.0) | 1.00" (25.4) |
| ¾ (21) | 1.44" (36.6) | .59" (15.0) | 1.55" (39.4) | 1.45" (36.8) | 1.63" (41.4) | .83" (21.1) | 1.48" (38.0) | 1.29" (32.8) |
| 1 (27) | 1.78" (45.2) | .59" (15.0) | 1.95" (49.5) | 1.60" (40.6) | 2.19" (55.6) | 1.05" (26.7) | 1.80" (46.0) | 1.57" (39.9) |
| 1¼ (35) | 1.97" (50.0) | .63" (16.0) | 2.39" (60.7) | 2.06" (52.3) | 2.50" (63.5) | 1.36" (34.5) | 2.32" (59.0) | 2.02" (51.3) |
| 1½ (41) | 2.19" (55.6) | .63" (16.0) | 2.72" (69.1) | 2.38" (60.5) | 2.69" (68.3) | 1.61" (40.9) | 2.58" (66.0) | 2.25" (57.2) |
| 2" (53) | 2.53" (64.3) | .66" (16.8) | 3.08" (78.2) | 2.87" (72.9) | 3.25" (82.6) | 2.05" (52.1) | 3.14" (80.0) | 2.75" (69.9) |
| 2½ (63) | 3.44" (87.4) | 1.00" (25.4) | 3.92" (99.6) | 3.63" (92.2) | 4.25" (108.0) | 2.42" (61.5) | 3.78" (96.0) | 3.50" (88.9) |
| 3 (78) | 3.75" (95.3) | 1.00" (25.4) | 4.70" (119.4) | 4.31" (109.5) | 4.87" (123.7) | 3.01" (76.5) | 4.64" (118.0) | 4.30" (109.2) |
| 4 (103) | 4.25" (108.0) | 1.00" (25.4) | 5.75" (146.1) | 5.31" (134.9) | 5.63" (143.0) | 3.96" (100.6) | 5.76" (146.0) | 5.38" (136.7) |

*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*

# Power and AV Boxes

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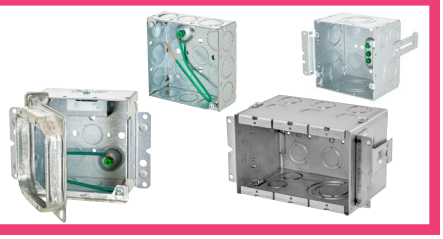
### Furniture and Work Surface Boxes



### AV Ceiling and In-Wall Enclosures



### STAB-IT Boxes and Standard Boxes




| Product | Page |
|---|---|
| Furniture / Work Surface Boxes and Table Top Boxes | |
| 2x2 USB Work Surface Pop-Up Box | X-2 |
| Pre-Wired Work Surface Series | X-3 |
| Pre-Wired Work Surface Elite Series | X-4 |
| AV and Power Ceiling Boxes | X-5 |
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| Four\eleven sixtieth STABIT-IT Connectors and Boxes | X-8 |
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| Mud Rings, Covers and Supports | X-10 |
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*Dimensions in Inches (mm)*

## Features and Benefits

### Pre-Wired 2X2 USB Work Surface Pop-Up Box

Hubbell's UL Listed 2X2 USB Work Surface Pop-Up Boxes is ideal for work surfaces, such as desks, which require power for a computer and USB charging for smart devices. Each box includes one 125V, 15A duplex receptacle and two USB ports, available with one type A and one Type-C or with two Type A ports. Developed with coordination from the hotel industry, the Hubbell Pop-Up Box utilizes a pneumatic spring for providing a smooth action for opening and closing. Available in brushed aluminum, black powder coat and white powder coat, the Pop-Up Box is suited for installation with any modern décor, making it excellent for conference rooms or classrooms that are frequently rearranged.

Installation is simple and only requires a jig-saw or similar saw plus a screwdriver. The unit is supplied with a 5 foot cord with a molded plug end allowing it to be installed with ease. Designed to be installed into existing desks or by furniture manufactures. The Hubbell 2X2 USB Work Surface Pop-Up Box is ideally suited for any work surface application.

- cULus listed to UL962A for Furniture Power Distribution Units





### Box Design

- Gas-spring actuation for smooth opening and closing
- Die cast aluminum construction
- Rated for +10,000 open/close cycles
- Simple three-screw installation
- Unobtrusive low profile flange at 0.05 in.
- Charging convenience at the push of a button



### USB Device

- 15A duplex with two USB ports; available with Type A & C with 5A capacity
- Tamper-resistant receptacle
- LED power indicating light
- Low .070" tapered flange height
- 5 ft, pre-wired, 12 gauge, 3 wire electrical cord



**WSBUSB2X2AC5ALU**



**WSBUSB2X2AC5BLK**



**WSBUSB2X2AC5WHT**

### 2X2 USB Work Surface Pop-Up Boxes, NEMA 5-15 Duplex Receptacle

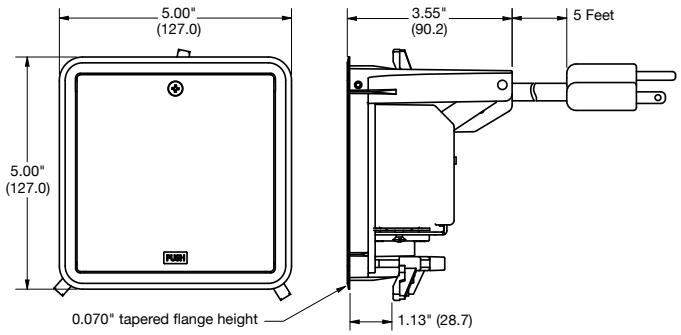
| Description | Finish | USB Type A & C, 5A-5V USB Output |
|---|---|---|
| 15A 125V duplex receptacle with (2) USB charging ports, 5 foot long cord with NEMA 5-15 plug | Brushed Aluminum | **WSBUSB2X2AC5ALU** |
| | Black Powder Paint | **WSBUSB2X2AC5BLK** |
| | White Powder Paint | **WSBUSB2X2AC5WHT** |

*Note: UL File Number E327832.*

### Work Surface Pop-Up Box Specifications

| Maximum Surface Thickness | Cut Out Dimensions | Surface Dimensions | Tapered Flange Height | Product Depth | Cord Length |
|---|---|---|---|---|---|
| 1.125" | 4.62" x 4.62" | 5" x 5" | 0.070" | 3.55" | 5 Feet |

### Dimensions




*Dimensions in Inches (mm)*

## Features and Benefits

### Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series

This family of furniture and work surface connectivity boxes installs into conference tables and workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptops, projectors and other equipment at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.






**Table Top Pre-Wired Boxes**

- Round dual-service boxes easily install into a 3½ inch diameter core hole
- Power is pre-wired and keystone openings accommodate data or multi-media activation



**Lift-Up Style Pre-Wired Boxes**

- Two (2) pre-wired 15A outlets with 6 ft. power supply cord
- 1-Unit opening for Hubbell iSTATION modules



**Pre-Wired Work Surface Elite Series**

- Configured with four (4) pre-wired 15A power outlets with 6 ft. cord
- Includes Three (3) 1-Unit Hubbell iSTATION modules
- Available in Anodized and Painted finishes

## Table Top Boxes

### Low Voltage Only

| Description | Finish | Dimensions | Catalog Number |
|---|---|---|---|
| Table Top box; 2 inch diameter hole; (1) keystone opening; Keystone modules sold separately. | Black Anod. Alum.<br>Clear Anod. Alum.<br>Solid Brass | 2.19" Diameter | **TTBKSBK**<br>**TTBKSAL**<br>**TTBKSBR** |
| Table Top box; 2 inch diameter hole; (1) XLR microphone jack installed. | Black Anod. Alum.<br>Clear Anod. Alum.<br>Solid Brass | 2.19" Diameter | **TTBXLRBK**<br>**TTBXLRAL**<br>**TTBXLRBR** |


**TTBKSBK**


**TTBXLRBK**

### Pre-Wired Dual-Service

| Description | Finish | Dimensions | Catalog Number |
|---|---|---|---|
| Table Top box; 3.5 inch diameter hole; (1) pre-wired 15A outlet with 9 foot power supply cord; (1) 3.5mm screw terminal audio jack; (1) 15-pin gender changer F/F; (2) keystone openings; Keystone modules sold separately. | Black Anod. Alum.<br>Clear Anod. Alum.<br>Solid Brass | 3.88" Diameter | **TTBDS1BK**<br>**TTBDS1AL**<br>**TTBDS1BR** |
| Table Top box; 3.5 inch diameter hole; (2) pre-wired 15A outlets with 9 foot power supply cord; (2) keystone openings; Keystone modules sold separately. | Black Anod. Alum.<br>Clear Anod. Alum.<br>Solid Brass | 3.88" Diameter | **TTBDS2BK**<br>**TTBDS2AL**<br>**TTBDS2BR** |


**TTBDS1BK**


**TTBDS2BK**

*Note: See section A for power devices and section Y for datacom accessories.*

*Dimensions in Inches (mm)*

## Pre-Wired Furniture and Work Surface Connectivity Boxes, Surface Series



**WSBF22BK**



**WSBF22SV**



**WSBFGROMSV**

### Grommet Style

| Description | Finish | Dimensions | Catalog Number |
|---|---|---|---|
| Two (2) pre-wired 15A outlets with 6 ft. power supply cord; two (2) Hubbell Keystone openings. | Black<br>Silver | 8.62"L x 3.0"W x 2.25"H | **WSBF22BK**<br>**WSBF22SV** |
| Flush grommet cover with dust shield. | Black<br>Silver<br>Brushed Aluminum<br>Brushed Stainless Steel | 5.68"L x 3.39"W x 0.96"H | **WSBFGROMBK**<br>**WSBFGROMSV**<br>**WSBFGROMBAL**<br>**WSBFGROMBSS** |



**WSBG43UBK**



**WSBG43USV**
(cover doors shown open)

## Pre-Wired Work Surface Elite Series

### Recessed Concealed Services

| Description | Finish | Dimensions | Catalog Number |
|---|---|---|---|
| Four (4) pre-wired 15A outlets with 6 ft. power supply cord; three (3) low voltage openings which allow for three (3) 1-unit Hubbell iSTATION modules. | Black<br>Silver<br>Clear Anodized<br>Black Anodized | 15.0"L x 9.0"W x 6.25"H | **WSBG43UBK**<br>**WSBG43USV**<br>**WSBG43UBAL**<br>**WSBG43UBBA** |



**WSBPLATE1**

### Replacement Low Voltage Data Plates

| Description | Finish | Dimensions | Catalog Number |
|---|---|---|---|
| Non-metallic low voltage plate, blank. | Black | 3.18"L x 1.88"W | **WSBPLATE1** |
| Non-metallic low voltage plate, 1-unit Hubbell iSTATION cut-out. | Black | 3.18"L x 1.88"W | - |

*Note: UL File Number E327832.*

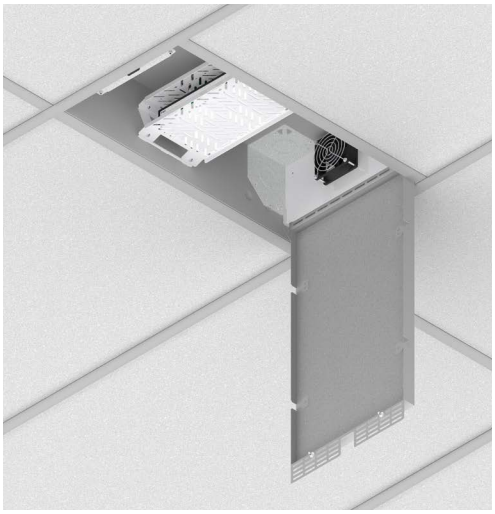
*Dimensions in Inches (mm)*

## Features and Benefits

### AV and Power Ceiling Boxes

The AV Ceiling Enclosure is designed to house active AV devices and integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. The enclosure protects and conceals your equipment and connections for a clean installation while maintaining accessibility with the hinged access doors.

- Neatly Manage A/V, power, and data requirements inside one enclosure
- Two Enclosures Sizes to Match your Required Application
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Hinged access doors accepts field installed ceiling tiles
- Enclosures with 1-1/2" conduit hubs for projector mounting
- All steel rugged construction provides the ultimate strength for installation





**HRCB12WHT**



**HRCB22PWHT**

### 1' x 2' Plenum Rated Ceiling Boxes

| Description | Length | Width | Height | Color | Catalog Number |
|---|---|---|---|---|---|
| Recessed ceiling box | 23.69" (601.7mm) | 11.69" (296.9mm) | 6.00" (152.4mm) | White | **HRCB12WHT** |
| Recessed ceiling box with 1-1/2" NPT projector pole adapter | 23.69" (601.7mm) | 11.69" (296.9mm) | 6.00" (152.4mm) | White | **HRCB12PWHT** |
| **HRCB12** Series Box hard ceiling frame kit | 23.57" (598.7mm) | 12.94" (328.7mm) | 7.38" (187.4mm) | White Flange | **HRCB12HCFK** |
| **HRCB12** series box cooling fan kit | 10.88" (276.3mm) | 1.89" (48.1mm) | 4.91" (124.6mm) | | **HRCB12FAN** |

*Note: I'x2' ceiling boxes includes; (1) external 15A, 125V single receptacle and internal (2) 15A, 125V leaded duplex receptacles .*

### 2' x 2' Plenum Rated Ceiling Boxes

| Description | Length | Width | Height | Color | Catalog Number |
|---|---|---|---|---|---|
| Recessed ceiling box | 23.69" (601.7mm) | 23.69" (601.7mm) | 6.00"(152.4mm) | White | **HRCB22WHT** |
| Recessed ceiling box with 1-1/2" NPT projector pole adapter | 23.69" (601.7mm) | 23.69" (601.7mm) | 6.00" (152.4mm) | White | **HRCB22PWHT** |
| **HRCB22** Series Box hard ceiling frame kit | 23.57" (598.7) | 24.94" (633.5) | 7.38" (187.4) | White Flange | **HRCB22HCFK** |
| **HRCB22** series box cooling fan kit | 9.54" (242.3mm) | 1.89" (48.1mm) | 4.89" (124.2) | | **HRCB22FAN** |

*Note: 2'x2' ceiling boxes includes; (1) external switched 15A, 125V single receptacle and internal (5) 15A, 125V single receptacles*

### 1' x 2' & 2' x 2" Ceiling Box Accessories

| Description | Length | Width | Height | Size | Catalog Number |
|---|---|---|---|---|---|
| Ceiling box cable support kit, 4 cables | 95" (2413.0mm) | | | | **HRCBMNT1** |
| Ceiling box threaded rod kit, 4 brackets | 0.88" (22.2) | 0.06" (1.6mm) | 1.19"(30.2) | 0.09" (2.4mm) Dia Up to 3/8" Threaded Rod | **HRCBTHRD** |

### AV Ceiling Enclosure

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation

| Description | Height Inches (mm) | Width Inches (mm) | Depth Inches (mm) | Color | Catalog Number |
|---|---|---|---|---|---|
| AV ceiling enclosure. | 12" (305) | 24" (610) | 8" (203) | White | **AVCE1H** |

*Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.*



**AVCE1H**

*Dimensions in Inches (mm)*

## Features and Benefits

### AV In-Wall Boxes

Power, data, interfaces and more will mount discretely behind the flat screen. Covers two piece are available in white or black. Supplied with mounting screws for wood or steel stud mounting, grounding screws, tie wraps, and a rubber grommet. One of the single gang knockouts has a 1"x2" oblong internal knockout and can be used with the supplied grommets. The flush box installation allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords.

- Low voltage conduit feed-thru for connectorized cables with 1", 1-1/2" and 2" Knockouts
- 3/4" extension available for concrete block walls
- Two-piece paintable cover allows for better cable management
- Boxes Conforms to UL 62368-1:2019 Ed.3, Certified to CSAC22.2#62368-1:2019 Ed.3



**HRWB25WHT with 2 Inch Low Voltage Feed-Through**



**HRWB25WHT**



**HRWB25WHT with HRW25BE075**

### Wall Boxes

| Description | Height | Width | Depth | Cover Color | Catalog Number |
|---|---|---|---|---|---|
| Recessed 5-Gang wall box w/ 2" feed-thru | 7.24" (183.8) | 14.25" (362.0) | 4.00" (141.6) | White | **HRWB25WHT** |
| **HRWB25WHT** replacement covers | 8.34" (211.7) | 15.50" (393.7) | 0.16" (4.0) | White | **HRWB25WHTRC** |
| Recessed 5-Gang wall box w/ 2" feed-thru | 7.24" (183.8) | 14.25" (362.0) | 4.00" (141.6) | Black | **HRWB25BLK** |
| **HRWB25BLK** replacement covers | 8.34" (211.7) | 15.50" (393.7) | 0.16" (4.0) | Black | **HRWB25BLKRC** |
| **HRWB25** series wall box 3/4" extension | 7.47" (189.7) | 14.50" (368.3) | 0.75" (19.1) | Steel | **HRWB25BE075** |



**IFP16W**



**NSOKPS**



**IMF1W**



**HXJ6W**



**SFHC14W**

### Power Kits

| Description | Color | Catalog Number |
|---|---|---|
| Standard power kit. | White | **NSOKPTR** |
| Surge protected power kit. | White | **NSOKPS** |

### AV Connectors and Plates

| Description | Color | Catalog Number |
|---|---|---|
| 1-Gang 6-Port Plate. | White | **IFP16W** |
| 1-Gang Hubbell iSTATION Plate | White | **IMF1W** |
| Category 6 Jack | White | **HXJ6W** |
| HDMI Feed-Thru | White | **SFHC14W** |

*Dimensions in Inches (mm)*

## Features and Benefits

### AV In-Wall Enclosure

2 and 4-Gang Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- Optional screw on cover reduces tampering
- cULus 1863 Listed



**Box Design**

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



**Mounting**

- Multiple device mounting options
- 1½ and 1¼ inch conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough in



**NSAV62M**



**NSAV124M**

### FPTV Connection Enclosure

| Description | Color | Catalog Number |
|---|---|---|
| 2-Gang In-Wall enclosure. | White | **NSAV62M** |
| Steel cover for NSAV6 series. | White | **NSAV6C** |
| 4-Gang In-Wall enclosure. | White | **NSAV124M** |
| Steel cover for NSAV12 series. | White | **NSAV12C** |

*Note: UL File Number E129878.*



**NSAV6C**

### Power Kits

| Description | Color | Catalog Number |
|---|---|---|
| Standard power kit. | White | **NSOKPTR** |
| Surge protected power kit. | White | **NSOKPS** |



**NS801W**



**NSOKPS**

### AV Connectors and Plates

| Description | Color | Catalog Number |
|---|---|---|
| 1-Gang blank plate. | White | **P14W** |
| 1-Gang decorator plate. | White | **P26W** |



**SFHC14W**



**NSJ6W**

*Dimensions in Inches (mm)*

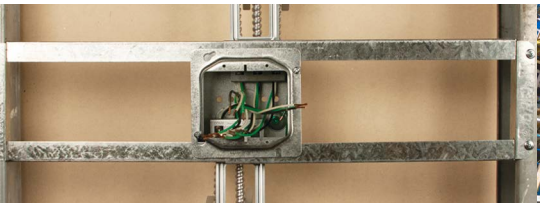
## 4 11/16" Square boxes

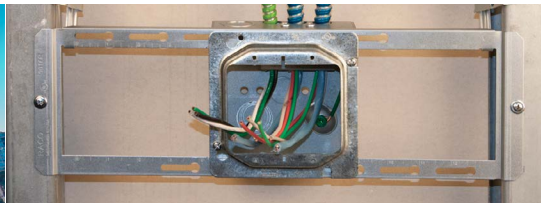
### Featuring STAB-IT® connectors

Integrated into the box, our exclusive connectors are field proven to terminate MC cable up to 3 times faster than traditional cable clamps. It's easy: remove the pry-out, prep the cable, insert cable, done! These welded large boxes provide more room for wiring and include connectors for three or six cables, plus a knockout on the same side as the connectors. Available mounting brackets and cable management offer the first means of support.



- 3-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF Cable
- HBL252MSCM & HBL252MS include far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings





### Boxes

Boxes are 4 11/16" square, 2⅛" deep. They are constructed with welded steel and have raised grounds. The boxes have 42 in.³ capacity.

| | Side Knock Outs | | Back Knock Outs | | |
|---|---|---|---|---|---|
| Box Description | TKO | Cable Pry-outs | Concentric | TKO | Catalog Number |
| Standard | (12) ½"-¾" | | (1) ½" | (3) ½"-¾" | **HBL257*** |
| (1) STAB-IT Connector and 8" Solid #12 Ground Pigtail | (10) ½"-¾" | 3 | (1) ½" | (1) ½"-¾" | **HBL252S** |
| (1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Cable Management Clamp | (10) ½"-¾" | 3 | (1) ½" | (1) ½"-¾" | **HBL252SCM** |
| (1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Mounting Bracket | (10) ½"-¾" | 3 | (1) ½" | (1) ½"-¾" | **HBL252MS** |
| (1) STAB-IT Connector, 8" Solid #12 Ground Pigtail, (2) Mounting Brackets and (1) Cable Management Clamp | (10) ½"-¾" (1) ¾"- 1" | 3 | (1) ½" | (1) ½"-¾" | **HBL252MSCM** |
| (2) STAB-IT Connectors and 8" Solid #12 Ground Pigtail | (8) ½"-¾" | 6 | (1) ½" | | **HBL254S** |
| (2) STAB-IT Connectors, 8" Solid #12 Ground Pigtail, and (2) Cable Management Clamps | (8) ½"-¾" | 6 | (1) ½" | | **HBL254SCM** |

*UL Listed Only



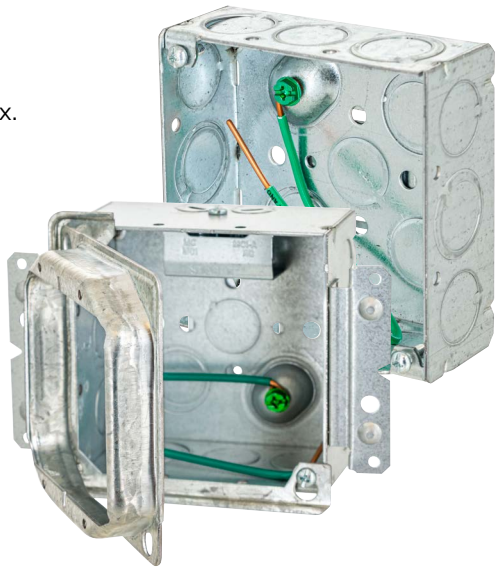
*Dimensions in Inches (mm)*

## 4″ Square boxes

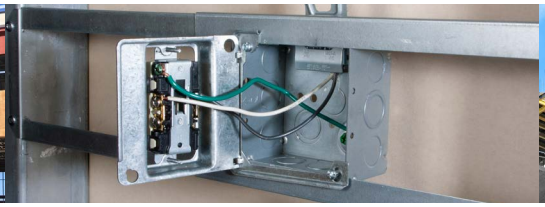
### Regular or STAB-IT® boxes

These popular boxes are available with our unique connectors built into the box. Terminate MC cable in one third the time of other clamps. Models are available with connectors for two or four cables. Available mounting brackets and cable management offer the first means of support.

- 2-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF Cable
- HBL232MSCM & HBL232MS includes far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings









### Boxes

Boxes are 4″ square, 2-1/8″ deep. They are constructed with welded steel and have raised grounds. The boxes have 30.3 in.³ capacity.

| | Side Knock Outs | | | Back Knock Outs | | |
|---|---|---|---|---|---|---|
| Box Description | Concentric | TKO | Cable Pry-outs | Concentric | TKO | Catalog Number |
| Standard | (8) ½″ | (4) ½″-¾″ | | (2) ½″ | (2) ½″-¾″ | **HBL232** |
| 10″ Solid #12 Ground Pigtail | (8) ½″ | (4) ½″-¾″ | | (2) ½″ | (2) ½″-¾″ | **HBL232SM** |
| (1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail | (6) ½″ | (3) ½″-¾″ | 2 | (1) ½″ | (1) ½″-¾″ | **HBL232S** |
| (1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, Back- Far Side Support, and (2) Mounting Brackets | (6) ½″ | (3) ½″-¾″ | 2 | (1) ½″ | (1) ½″-¾″ | **HBL232MS** |
| (1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, and (1) Cable Management Clamp | (6) ½″ | (3) ½″-¾″ | 2 | (1) ½″ | (1) ½″-¾″ | **HBL232SCM** |
| (1) STAB-IT Connector, 8″ Solid #12 Ground Pigtail, Back- Far Side Support, (1) Cable Management Clamp, and (2) Mounting Brackets | (6) ½″ | (3) ½″-¾″ | 2 | (1) ½″ | (1) ½″-¾″ | **HBL232MSCM** |
| (2) STAB-IT Connectors, 8″ Solid #12 Ground Pigtail, Back- Far Side Support, (2) Cable Management Clamp, and (2) Mounting Brackets | (6) ½″ | (3) ½″-¾″ | 4 | (1) ½″ | (1) ½″-¾″ | **HBL244MSCM** |
| (2) STAB-IT Connectors, 8″ Solid #12 Ground Pigtail | (4) ½″ | (2) ½″-¾″ | 4 | (1) ½″ | | **HBL248S** |









### Boxes

Boxes are 4″ square, 1½″ deep, and have 21 in.³ capacity. Use with standard cable connectors.

| | Side Knock Outs | | Back Knock Outs | | |
|---|---|---|---|---|---|
| Box Description | Concentric | TKO | Concentric | TKO | Catalog Number |
| Welded Steel, Raised Ground, 8″ Solid #12 Ground Pigtail | (8) ½″ | (4) ½″-¾″ | (2) ½″ | (2) ½″-¾″ | **HBL189F** |
| Welded Steel, Raised Ground, 10″ Solid #12 Ground Pigtail | (8) ½″ | (4) ½″-¾″ | (2) ½″ | (2) ½″-¾″ | **HBL189SM*** |
| Welded Steel, Long Side Mounting Brackets | (8) ½″ | (4) ½″-¾″ | (3) ½″ | (2) ½″-¾″ | **HBL196** |
| Welded Steel, Raised Ground, 10″ Solid #12 Ground Pigtail | (8) ½″, (4) ¾″ | | (2) ½″, (2) ¾″ | | **HBL232SCM** |

*cULus



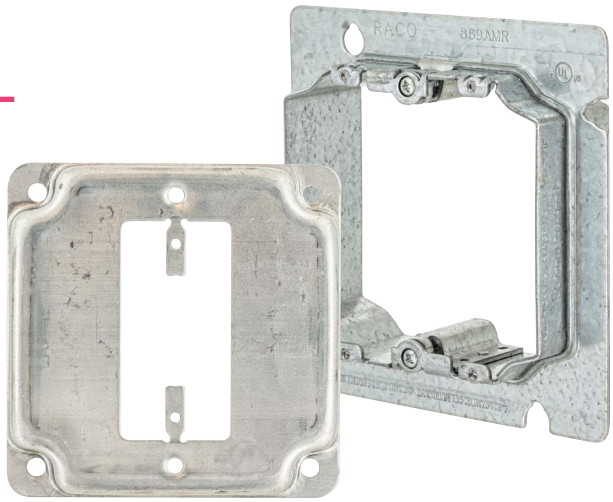
*Dimensions in Inches (mm)*

## 4″ & 4 11/16″ Square boxes

### Mud rings, covers, supports

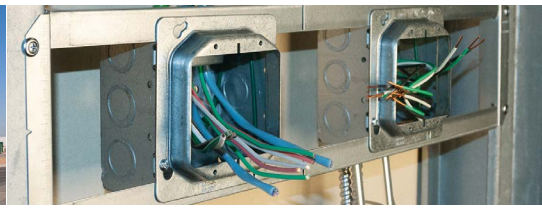
Steel adjustable mud rings provide flexibility after installation to match the drywall depth. Hinged mud rings allow devices to be installed during pre-assembly, then swing out of the way for final wiring on site. Protector plates can be attached during prefab to protect devices during drywall install, then removed during trim out.

- 1 & 2-Gang adjustable mud rings
- Standard 1 & 2-gang mud rings
- Adjustable open box mounting brackets
- Floor mounted box support includes fold back stabilizer prevents bracket from being pushed back in wall cavity during drywall installation



















### Mud Rings

| For use with | Type | Raised Height | Capacity (In.³) | Listing | Catalog Number |
|---|---|---|---|---|---|
| 4 11/16″ boxes | 1-Gang, Adjustable<br>2-Gang, Adjustable | ½″ to 1⅜″ | 4 to 9.5<br>8 to 15.5 | UL Listed | **HBL868AMR**<br>**HBL869AMR** |
| | 1-Gang | ⅝″<br>1¼″ | 4.5<br>9.5 | cULus | **HBL843**<br>**HBL842** |
| | 2-Gang | ½″<br>⅝″<br>¾″<br>1″<br>1¼″ | 5.5<br>7.3<br>8.8<br>12.0<br>15.0 | cULus | **HBL841**<br>**HBL818**<br>**HBL840**<br>**HBL819**<br>**HBL820** |
| 4″ boxes | 1-Gang, Adjustable<br>2-Gang, Adjustable | ½″ to 1⅜″ | 4 to 9.5<br>8 to 15.5 | UL Listed | **HBL768AMR**<br>**HBL769AMR** |
| | 1-Gang<br>1-Gang, Stud Mount<br>1-Gang, Hinged<br>1-Gang | ⅝″<br>⅝″<br>⅝″<br>1¼″ | 4.5<br>4.5<br>5.5<br>9.5 | UL Listed<br>UL Listed<br>UL Listed<br>cULus | **HBL768**<br>**HBL768B**<br>**HBL768H**<br>**HBL775** |
| | 2-Gang<br>2-Gang, Stud Mount<br>2-Gang, Hinged<br>2-Gang | ⅝″<br>⅝″<br>⅝″<br>1¼″ | 7.3<br>7.3<br>8.3<br>15 | cULus<br>UL Listed<br>UL Listed<br>cULus | **HBL769**<br>**HBL769B**<br>**HBL769H**<br>**HBL781** |

### Square Metallic Covers for Exposed Work

| For use with | 1 Decorator | 1 Duplex | 2 Decorator | 2 Duplex | 1 Duplex, 1 Decorator |
|---|---|---|---|---|---|
| 4″ boxes, UL Listed | **HBL808C** | **HBL902C** | **HBL809C** | **HBL907C** | **HBL915C** |

### Metallic Box Brackets and Supports

| For use with | Type | Box Mounting | Catalog Number |
|---|---|---|---|
| 4 11/16″ and 4″ boxes, cULus | Open Wall Adjustable Box Bracket | 16″ to 24″ | **HBL9020R** |
| | Floor Mounted Box Support | 12″<br>18″ | **HBL9009**<br>**HBL9010** |

### Plates

| Description | For use with | Height | 1-Gang | 2-Gang |
|---|---|---|---|---|
| Reuseable metallic mud ring cable protector plate | 4 11/16″ and 4″ boxes | Flush<br>¾″ | **HBL701F**<br>**HBL701R** | **HBL702F**<br>**HBL702R** |
| Metallic flush-fit devices levelling plate | 4 11/16″ and 4″ boxes | – | **HBL999** | — |

*Dimensions in Inches (mm)*

## Grand Slam Junction boxes

### Large capacity home run boxes

Terminate home runs in commercial applications with the Grand Slam box. It offers both flexibility and space. Features built-in STAB-iT® connectors for jobsite labor savings as well as included ground bar.



- With STAB-IT® clamps, has been tested at over 3X faster than traditional connectors
- Surface mount cover and ground bar included
- Two raised grounds for installation flexibility
- Available with concentric knockouts on side and back UL Listed









### Grand Slam Junction Boxes

Box, surface covers and ground bar included.

| Dimensions | Concentric Knock Outs | STAB-IT Clamps | Capacity (In.³) | Catalog Number |
|---|---|---|---|---|
| 8″ X 8″ X 3″ | (12) ½″ & ¾″<br>(5) ¾″ & 1″ | (4) 14/2 to 10/3<br>Up to 8 Cables | 179 | **HBLSC080803STRC** |
| 8″ X 8″ X 3″ | NA | (4) 14/2 to 10/3<br>Up to 8 Cables | 179 | **HBLSC080803NKSTRC** |
| 12″ X 12″ X 4″ | (12) ½″ & ¾″<br>(9) ¾″ & 1″<br>(8) 1″ & 1¼″ | (6) 14/2 to 10/3<br>Up to 12 Cables | 546 | **HBLSC121204STRC** |
| 12″ X 12″ X 4″ | NA | (6) 14/2 to 10/3<br>Up to 12 Cables | 546 | **HBLSC121204NKSTRC** |





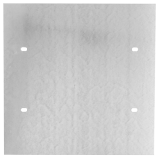




### Grand Slam Junction Box Accessories

| Description | For Use With | Dimensions | Catalog Number |
|---|---|---|---|
| Flush Style Cover | 8″ X 8″ Boxes<br>12″ X 12″ Boxes | 10″ x 10″<br>14″ x 14″ | **HBLSCF0808RC**<br>**HBLSCF1212RC** |
| STAB-IT® Connector (accepts 2 cables) | All Grand Slam boxes | 1.032″ x 1.75″ x 0.983″ | **HBL989ST** |





*Dimensions in Inches (mm)*

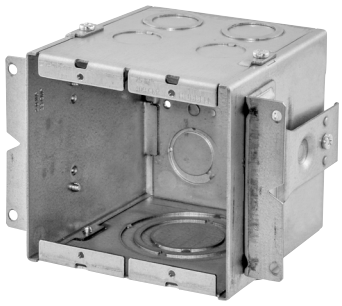
## Av Wall Boxes

### Gangable boxes

Deliver data, AV, and power side-by-side with these oversized in-wall boxes. Designed to install independently or ganged together for multiple devices. Perfect for Cat6 and 6A fiber optic cables that require a larger bend radius.



- 4" depth accepts any device
- Knockouts from 1/2" up to 2"
- Accepts low voltage partition
- NEMA spaced device mounting, accepts industry standard wallplates
- Adjustable stud mounting brackets and far side support
- Suitable for masonry application













### Gangable AV Wall Boxes

| Box Description | Knockouts: Top | Knockouts: Bottom | Knockouts: Back | Catalog Number |
|---|---|---|---|---|
| 2-Gang, 2 in. KO, 54 in³ capacity, 4.21" X 4.06" X 4" | (2) ½"<br>(2) ½" - ¾" TKO | (1) 1", 1¼", 1½", 2" | (2) ½"-¾" | **HBL985** |
| 3-Gang, 2 in. KO, 79 in³ capacity. 4.21" X 5.87" X 4" | (3) ½"<br>(3) ½" - ¾" TKO | (1) ½"<br>(1) ½" - ¾" TKO<br>(1) 1", 1¼", 1½", 2" | (3) ½"-¾" | **HBL986** |
| 4-Gang, 2 in. KO, 104 in³ capacity, 4.21" X 7.69" X 4" | (4) ½"<br>(4) ½" - ¾" TKO | (1) ½"<br>(1) ½" - ¾" TKO<br>(2) 1", 1¼", 1½", 2" | (4) ½"-¾" | **HBL987** |
| 6-Gang, 2 in. KO, 154 in³ capacity, 4.21" X 11.31" X 4" | (6) ½"<br>(6) ½" - ¾" TKO | (1) ½"<br>(1) ½" - ¾" TKO<br>(2) 1", 1¼", 1½", 2" | (6) ½"-¾" | **HBL988** |



### Low Voltage AV Wallbox Partition

| For use with | Type | Catalog Number |
|---|---|---|
| HBL985, HBL986, HBL987 and HBL988 | Solid divider<br>With pass-thru capability | **HBL989**<br>**HBL989AVD** |

*Dimensions in Inches (mm)*

## Large capacity Wall Boxes

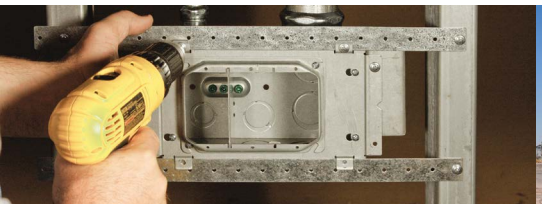
### One, two or three gang boxes

Oversized two or three gang boxes and mud rings are perfect for AV, data and power applications. Extra-large knockouts for pulling pre-terminated cables.





- Designed to deliver power and low voltage in the same box
- Use standard mud rings and wallplates
- Two inch knockout feed-thru
- 3 ¼ Inch depth accommodates large cables and bend radii







### 2-Gang Large Capacity Wall Boxes



Boxes are 4 11/16" square, 3¼" deep. The boxes have 66.7 in.³ capacity.
Use with industry standard 4 11/16" square mud rings for 1- or 2-gang applications

| | Side Knock Outs | | Back Knock Outs | |
|---|---|---|---|---|
| Box Description | Concentric | TKO | TKO | Catalog Number |
| Standard | (2) 1"-2" | (2) ¾"-1"<br>(2) 1"-1 ¼" | (2) ¾"-1"<br>(2) 1 ½" | **HBL260** |
| With mounting brackets | (2) 1"-2" | (2) ¾"-1"<br>(2) 1"-1 ¼" | (2) ¾"-1"<br>(2) 1 ½" | **HBL260H** |

### 3-Gang Large Capacity Wall Box



Boxes are 4 11/16"H, 7¾"W, 3¼" deep. The boxes have 113.3 in.³ capacity.
Use with industry standard 4" square mud rings for 1- or 2-gang applications

| | Side Knock Outs | | Back Knock Outs | |
|---|---|---|---|---|
| Box Description | Concentric | TKO | TKO | Catalog Number |
| Square 2- or 3-gang wall box | (2) 1"-2" | (4) ½"-¾"<br>(4) ¾"-1"<br>(2) 1"-1 ¼" | (2) ½"-¾"<br>(2) ¾"-1"<br>(2) 1"-1 ¼" | **HBL263** |

### Mud Rings



| Description | For use with | Height | Capacity (In.³) | Catalog Number |
|---|---|---|---|---|
| 2-gang mud rings | HBL260 | 5/8"<br>¾"<br>1"<br>1¼" | 7.3<br>8.8<br>12.0<br>15.0 | **HBL818**<br>**HBL840**<br>**HBL819**<br>**HBL820** |
| 3-gang mud rings | HBL263 | ½"<br>5/8"<br>1¼" | 10.1<br>12.3<br>24.3 | **HBL792**<br>**HBL793**<br>**HBL794** |

### Low Voltage Partition



| For use with | Mud Ring Depth | Type | Catalog Number |
|---|---|---|---|
| HBL260 and HBL263 | ½", ¾" and 1¼" | Solid divider<br>With pass-thru capability | **HBL981**<br>**HBL981AVD** |

*Dimensions in Inches (mm)*

## SNAPConnect® Devices & Accessories

### Modular wiring system

Our labor-saving receptacles and switches save up to 5 minutes per device. Perfect for prefab applications. The SNAPConnect terminal can be part of the pre-assembly. The device can be snapped in during pre-assembly or during trim out. Secure and fast, these products eliminate exposed live terminals.

- Modular wiring system eliminates screw terminals and NEC® torque requirements, speeding installation and trim-out
- Clear polycarbonate terminal connector housing to inspect contacts
- Receptacles available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground
- Simplifies device change out for end users











### SNAPConnect® Right Angle Pigtailed Connectors for Receptacles

| Description | Solid | Stranded |
|---|---|---|
| 6 inch wire connector | **SNAP1RNA** | **SNAP2RNA** |
| 6 inch wire with push-wire terminals | **SNAP1RNAM2** | **SNAP2RNAM2** |



### Hospital Grade SNAPConnect® Extra Heavy Duty Duplex Receptacles

| Description | Style | Color | 15A 125A | 20A 125V |
|---|---|---|---|---|
| Standard | Duplex StyleLine Decorator | White | **SNAP8200WNA** **SNAP2172WNA** | **SNAP8300WNA** **SNAP2182WNA** |
| Standard with Finder Groove | Duplex | White | **SNAP8200WA** | **SNAP8300WA** |
| Tamper-Resistant | Duplex StyleLine Decorator | White | **SNAP8200WTRA** **SNAP2172WTRA** | **SNAP8300WTRA** **SNAP2182WTRA** |
| Tamper-Resistant with Split Circuit | Duplex StyleLine Decorator | White | **SNAP8200WSCTRA** **SNAP2172WSCTRA** | **SNAP8300WSCTRA** **SNAP2182WSCTRA** |
| Standard with Power Indicating (LED) | Duplex StyleLine Decorator | White | **SNAP8200WL** **SNAP2172WL** | **SNAP8300WL** **SNAP2182WL** |
| Tamper-Resistant with Power Indicating (LED) | Duplex StyleLine Decorator | White | **SNAP8200WLTRA** **SNAP2172WLTRA** | **SNAP8300WLTRA** **SNAP2182WLTRA** |



### Specification Grade SNAPConnect® Extra Heavy Duty Duplex Receptacles

| Description | Style | Color | 15A 125A | 20A 125V |
|---|---|---|---|---|
| Standard | Duplex StyleLine Decorator | White | **SNAP5262WNA** **SNAP2152WNA** | **SNAP5362WNA** **SNAP2162WNA** |
| Standard with Finder Groove | Duplex | White | **SNAP5262WA** | **SNAP5362WA** |
| Tamper-Resistant | Duplex StyleLine Decorator | White | **SNAP5262WTRA** **SNAP2152WTRA** | **SNAP5362WTRA** **SNAP2162WTRA** |
| Tamper-Resistant with Split Circuit | Duplex StyleLine Decorator | White | **SNAP5262WSCTRA** **SNAP2152WSCTRA** | **SNAP5362WSCTRA** **SNAP2162WSCTRA** |
| Standard with Power Indicating (LED) | Duplex StyleLine Decorator | White | **SNAP5262WL** **SNAP2152WL** | **SNAP5362WL** **SNAP2162WL** |
| Tamper-Resistant with Power Indicating (LED) | Duplex StyleLine Decorator | White | **SNAP5262WLTRA** **SNAP2152WLTRA** | **SNAP5362WLTRA** **SNAP2162WLTRA** |

*Dimensions in Inches (mm)*

## SNAPConnect® Permanently Marked Controlled Duplex Receptacles

| Description | Color | Standard 15A 125V | Standard 20A 125V | Tamper-Resistant 15A 125V | Tamper-Resistant 20A 125V |
|---|---|---|---|---|---|
| Duplex<br>One Face Controlled Split Circuit Snap | White | **SNAP5262C1W** | **SNAP5362C1W** | **SNAP5262C1WTRA** | **SNAP5362C1WTRA** |
| Duplex Both faces Controlled | White | **SNAP5262C2W** | **SNAP5362C2W** | **SNAP5262C2WTRA** | **SNAP5362C2WTRA** |
| StyleLine Decorator<br>One Face Controlled Split Circuit | White | **SNAP2152C1W** | **SNAP2162C1W** | **SNAP2152C1WTRA** | **SNAP2162C1WTRA** |
| StyleLine Decorator Both faces Controlled | White | **SNAP2152C2W** | **SNAP2162C2W** | **SNAP2152C2WTRA** | **SNAP2162C2WTRA** |



## SNAPConnect® Protection Receptacles

| Description | Color | Hospital Grade 15A 125V | Hospital Grade 20A 125V | Specification Grade 15A 125V | Specification Grade 20A 125V |
|---|---|---|---|---|---|
| Heavy Duty Commercial Ground Fault | White | **SNAPGF82W** | **SNAPGF83W** | **GFRST15SNAPW** | **GFRST20SNAPW** |
| Heavy Duty Commercial Ground Fault<br>Tamper-Resistant Weather-Resistant | White | **SNAPGFTW82W** | **SNAPGFTW83W** | **GFTWRST15SNAPW** | **GFTWRST20SNAPW** |
| Surge Protection Tamper resistant<br>with Power Indicating (LED) | White | **SNAP8262WS** | **SNAP8362WS** | **SNAP5262WA** | **SNAP5362WS** |
| USB Charger Duplex, one USB Type A and<br>one Type-C port, 3 Amp up to 9 Volt USB<br>output | White | **SNAP8200UACW** | **SNAP8300UACW** | **SNAP15UACW** | **SNAP20UACW** |



## SNAPConnect® Right Angle Pigtailed Connectors for Switches

| Description | | Solid | Stranded |
|---|---|---|---|
| 6 inch wire connector<br>for use with | single pole<br>single pole, with push-in terminals | **SNAPSP1NA**<br>**SNAPSP1NAM2** | **SNAPSP2NA**<br>**SNAPSP2NAM2** |
| | single pole pilot light<br>single pole pilot light, with push-wire terminals | **SNAPSPP1NA**<br>**SNAPSPP1NAM2** | **SNAPSPP2NA**<br>**SNAPSPP2NAM2** |
| | 3-way pilot light<br>3-way pilot light, with push-wire terminals | **SNAP3W1NA**<br>**SNAP3W1NAM2** | **SNAP3W2NA**<br>**SNAP3W2NAM2** |



## SNAPConnect® White Specification Grade Switches

| Description | Style | 15A, 120-277V AC Single Pole | 15A, 120-277V AC Three Way | 20A, 120-277V AC Single Pole | 20A, 120-277V AC Three Way |
|---|---|---|---|---|---|
| Standard | Toggle<br>Decorator | **SNAP1201WNA**<br>**SNAP2101WNA** | **SNAP1203WNA**<br>**SNAP2103WNA** | **SNAP1221WNA**<br>**SNAP2121WNA** | **SNAP1223WNA**<br>**SNAP2123WNA** |
| Illuminated blue LED,<br>light ON with load OFF | Toggle<br>Decorator | **SNAP1201ILWNA**<br>**SNAP2101ILWNA** | **SNAP1203ILWNA**<br>**SNAP2103ILWNA** | **SNAP1221ILWNA**<br>**SNAP2121ILWNA** | **SNAP1223ILWNA**<br>**SNAP2123ILWNA** |
| Pilot red LED, light ON with load OFF | Toggle<br>Decorator | **SNAP1201PLWNA**<br>**SNAP2101PLWNA** | — | **SNAP1221PLWNA**<br>**SNAP2121PLWNA** | — |



## SNAPConnect® Testers

| Description | Catalog Number |
|---|---|
| Circuit Tester for SNAPConnect® receptacle terminals, GFCI and standard receptacles | **SNAPCTG** |
| Switch jumper/tester, single pole, illuminated | **SANPSWJUMP** |
| Switch jumper/tester, 3-way, illuminated | **SNAP3WJUMP** |



## Polycarbonate Wallplates

| Description | Standard 1-Gang | Standard 2-Gang | Mid-Size 1-Gang | Mid-Size 2-Gang |
|---|---|---|---|---|
| StyleLine Decorator, white | **P26W** | **P262W** | **PJ26W** | **PJ262W** |
| Duplex, white | **P8W** | **P82W** | **PJ8W** | **PJ82W** |
| Toggle, white | **P1W** | **P2W** | **PJ1W** | **PJ2W** |
| Combination 1-Toggle and 1-Duplex, white | - | **P18W** | - | **PJ18W** |
| Combination 1-Duplex and 1-StyleLine Decorator, white | - | **P826W** | - | **PJ826W** |
| Combination 1-Toggle and 1-StyleLine Decorator, white | - | **P126W** | - | **PJ126W** |



*Dimensions in Inches (mm)*

*Dimensions in Inches (mm)*

# SECTION Y

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**AV In-Wall Enclosure and HDMI Products**



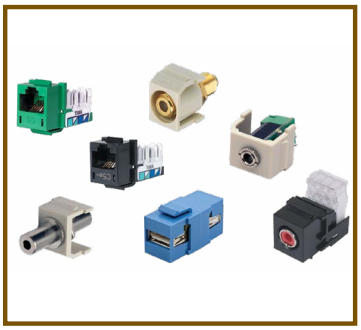
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| Telephone Wall Jacks | Y-27 |
| Standard UTP Wiring Conventions | Y-28 |

## Products at a Glance



### Jacks and Connectors

- NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz
- Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel
- F-Type connectors distribute high quality video signal to the workstation
- RCA connectors distribute component and composite audio and video signals from device to device



### Modular Snap Fit Jacks

- Customize the jack selections and look
- Quick and secure snap-in design
- Hi impact-resistant thermoplastic frame
- Audio/Video connectors are available in standard bulkhead or recessed



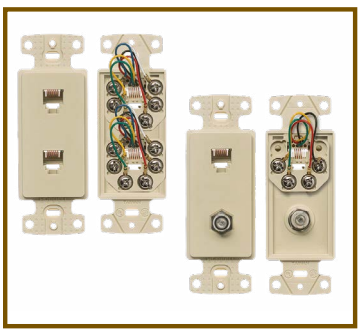
### In-Wall AV Delivery and HDMI Products

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 1½ and 1¼ inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed



### Patch Panels and Wall Mount Brackets

- Zero-crosstalk contact structure provides the highest performance while maintaining true balance
- Rear cable manager bars maintain termination integrity
- Integrated port and panel labeling, as well as port icon attachment
- Labeling, termination and aesthetics shared across all performance categories, sizes and configurations



### Molded-In Voice/Data/Video

- Decorator frames provide a stylized look for that finishing touch
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified



### Network Enclosures

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance
- Horizontal and vertical module mounting holes for maximum flexibility

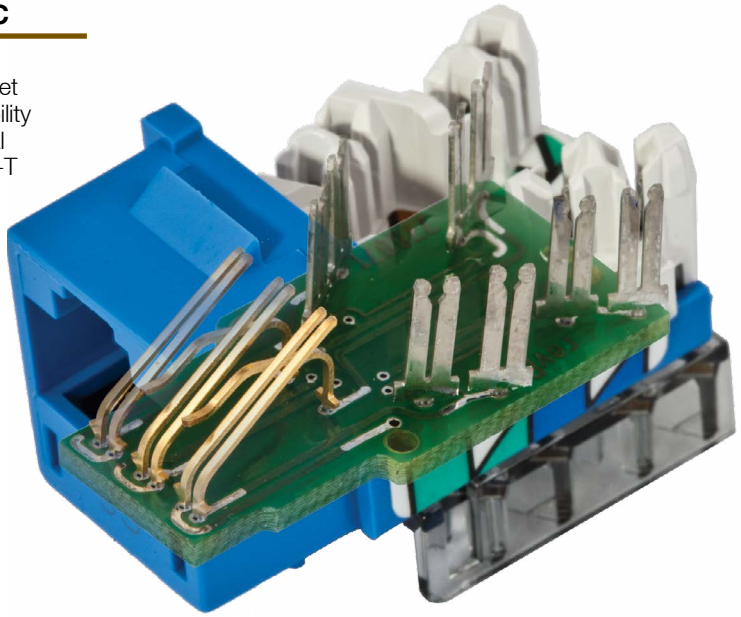



### Network and Audio/Video Modules

- netSELECT® modular components enable the designer to select performance requirements specifically for the application
- Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage
- netSELECT® video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas

## Features and Benefits

### Hubbell Xcelerator Jacks, Category 6, 5e and USOC



The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications. The Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

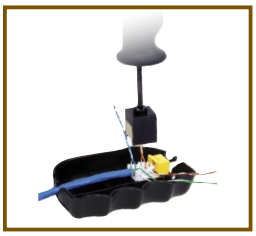
Hubbell's work area solutions and modular connectivity have many innovative features that integrate into a wide range of Hubbell products—floor boxes, patch panels, conference table boxes, fire-rated poke-throughs and wallplates.

- TIA-568.2-D Category 6 component
- IEC 60603-7-4 Category 6 component
- Qualified to 150% of IEEE 802.3bt current level
- IEEE 802.3an 10GBASE-T




**Housing Design**

- One-piece, engineered thermoplastic housing is impact-resistant for heavZ-duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



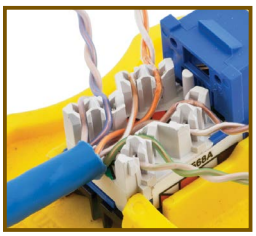
**Labor Savings**

- Exclusive 1-Punch Tool, terminates within seconds




**Universal Wiring**

- Two distinct labels eliminate wiring confusion, T568B or T568A



**IDC Lacing**

- IDC towers have a blade feature to assist pair splitting during termination




**Specifications**

- Mating cycles: 2500
- Manufacturing: 100% factory tested

## Enterprise Grade Jacks







### NEXTSPEED® Category 6 Jacks

| Color | Single Pack | 25-Pack |
|---|---|---|
| Black | **HXJ6BK** | **HXJ6BK25** |
| Blue | **HXJ6B** | **HXJ6B25** |
| Electric Ivory | **HXJ6EI** | **HXJ6EI25** |
| Gold | **–** | **HXJ6GL25** |
| Gray | **HXJ6GY** | **HXJ6GY25** |
| Green | **HXJ6GN** | **HXJ6GN25** |
| Office White | **HXJ6OW** | **HXJ6OW25** |
| Orange | **HXJ6OR** | **HXJ6OR25** |
| Purple | **–** | **HXJ6P25** |
| Red | **HXJ6R** | **HXJ6R25** |
| White | **HXJ6W** | **HXJ6W25** |
| Yellow | **HXJ6Y** | **HXJ6Y25** |

*Note: Also available in 100 packs.*

### NEXTSPEED® Category 5e Jacks

| Single Pack | 25-Pack |
|---|---|
| **HXJ5EBK** | **HXJ5EBK25** |
| **HXJ5EB** | **HXJ5EB25** |
| **HXJ5EEI** | **HXJ5EEI25** |
| **–** | **HXJ5EGL25** |
| **HXJ5EGY** | **HXJ5EGY25** |
| **HXJ5EGN** | **HXJ5EGN25** |
| **HXJ5EOW** | **HXJ5EOW25** |
| **HXJ5EOR** | **HXJ5EOR25** |
| **–** | **HXJ5EP25** |
| **HXJ5ER** | **HXJ5ER25** |
| **HXJ5EW** | **HXJ5EW25** |
| **HXJ5EY** | **HXJ5EY25** |

### USOC Jacks, RJ-25

| Single Pack |
|---|
| **HXJUBK** |
| **HXJUB** |
| **HXJUEI** |
| **–** |
| **HXJUGY** |
| **HXJUGN** |
| **HXJUOW** |
| **HXJUOR** |
| **–** |
| **HXJUR** |
| **HXJUW** |
| **HXJUY** |







## netSELECT® Jacks

| Color | Category 6 Jack (single) | Category 6 Jack (25 pack) | Category 5e Jack (single) | Category 5e Jack (25 pack) | USOC Jack (single) |
|---|---|---|---|---|---|
| Black | **NSJ6BK** | **NSJ6BK25** | **NSJ5EBK** | **NSJ5EBK25** | **NSJUBK** |
| Blue | **NSJ6B** | **NSJ6B25** | **NSJ5EB** | **NSJ5EB25** | **NSJUB** |
| Gray | **NSJ6GY** | **NSJ6GY25** | **NSJ5EGY** | **NSJ5EGY25** | **NSJUGY** |
| Green | **NSJ6GN** | **NSJ6GN25** | **NSJ5EGN** | **NSJ5EGN25** | **NSJUGN** |
| Ivory | **NSJ6I** | **NSJ6I25** | **NSJ5EI** | **NSJ5EI25** | **NSJUI** |
| Light Almond | **NSJ6LA** | **NSJ6LA25** | **NSJ5ELA** | **NSJ5ELA25** | **NSJULA** |
| Orange | **NSJ6OR** | **NSJ6OR25** | **NSJ5EOR** | **NSJ5EOR25** | **NSJUOR** |
| Red | **NSJ6R** | **NSJ6R25** | **NSJ5ER** | **NSJ5ER25** | **NSJUR** |
| White | **NSJ6W** | **NSJ6W25** | **NSJ5EW** | **NSJ5EW25** | **NSJUW** |
| Yellow | **NSJ6Y** | **NSJ6Y25** | **NSJ5EY** | **NSJ5EY25** | **NSJUY** |





## Jack Icons, XJ Series

100-Pack, snaps onto jack nose







| Color | Blank Catalog Number | Computer Catalog Number | Telephone Catalog Number |
|---|---|---|---|
| Black | **IBK100** | **IBK100C** | **IBK100T** |
| Blue | **IB100** | **IB100C** | **IB100T** |
| Brown | **IBN100** | **IBN100C** | **IBN100T** |
| Electric Ivory | **IEI100** | **IEI100C** | **IEI100T** |
| Gray | **IGY100** | **IGY100C** | **IGY100T** |
| Green | **IGN100** | **IGN100C** | **IGN100T** |
| Orange | **IOR100** | **IOR100C** | **IOR100T** |
| Purple | **IP100** | **IP100C** | **IP100T** |
| Red | **IR100** | **IR100C** | **IR100T** |
| White | **IW100** | **IW100C** | **IW100T** |
| Yellow | **IY100** | **IY100C** | **IY100T** |

*Note: Cannot be used with SJ jack series.*
*Custom Icon numbering and labeling available. Contact Customer Service for details.*

## SecureIT™ RJ-45 Port Blocker

| Description | Catalog Number |
|---|---|
| Locking RJ-45 port blocker | **RJ45PB50** |

*Note: Fits any RJ-45 port.*



## Jack Dust Covers, XJ Series

| Description | Catalog Number |
|---|---|
| Polypropylene, clear, 25-pack | **HXJDC25** |

*Note: Mounts within the icon slots located above the RJ45 opening.*
*Cannot be used with SJ jack series.*

## Digital AV Connections






### RJ-45 Couplers

Female to female couplers

| Housing Color | Category 6, Pass-Thru | Category 5e, Pass-Thru | Category 5e, Cross Over 10/100BASE-T | Category 6, Shielded Pass-Thru |
|---|---|---|---|---|
| Black | **SFC6BK** | **SFC5EBK** | – | Lead free tinned shield **SFSC6** |
| Gray | – | – | **SF5ECOGY** | |
| White | **SFC6W** | **SFC5EW** | – | |






### USB Connectors

Pass-thru, female to female couplers

| Housing Color | USB 3.0, A to A | USB 3.0, A to B | USB 2.0, A to A | USB 2.0, A to B |
|---|---|---|---|---|
| Black | **SFUSBAA3BK** | **SFUSBAB3BK** | – | – |
| Blue | – | – | **SFUSBAAB** | **SFUSBABB** |
| Office White | – | – | **SFUSBAAOW** | **SFUSBABOW** |
| White | – | – | **SFUSBAAW** | **SFUSBABW** |







### HDMI Connectors for IMB and ISFB Series

| Color | HDMI Feed-Thru | HDMI Feed-Thru Coupler | HDMI Feed-Thru 3-Inch Tail |
|---|---|---|---|
| Black | **SFHC14BK** | **HDMIC14** | **HDMIT14** |
| White | **SFHC14W** | – | – |

### HDMI Decorator Frames

| Color | 1-Port | 2-Port |
|---|---|---|
| Black | **NS801BK** | **NS802BK** |
| Gray | **NS801GY** | **NS802GY** |
| Ivory | **NS801I** | **NS802I** |
| Light Almond | **NS801LA** | **NS802LA** |
| White | **NS801W** | **NS802W** |




### HDMI Non-Active Horizontal Patch Cords

Black, non-plenum, #24 AWG, HDMI 4K

| Length (ft) | HDMI Device Patch Cords |
|---|---|
| 3 | **HDPC03BK** |
| 6 | **HDPC06BK** |

| Length (ft) | In-Wall Cords (Male w/ Screw to Male w/ Screw) |
|---|---|
| 10 | **HDH10BK** |
| 15 | **HDH15BK** |
| 20 | **HDH20BK** |
| 25 | **HDH25BK** |
| 30 | **HDH30BK** |

## Video Connections



### F-Type Connectors

Pass-thru, F/F coupler

| | Nickel | | Gold | | | |
|---|---|---|---|---|---|---|
| Color | 2GHz | netSELECT F-Type Coupler Bulkhead, Female to Female | 3GHz | 2GHz | Recessed | RCA to F-Connector |
| Black | **SFFBX** | **NSF70BK** | **SFF3GBK** | **SFFGBK** | **SFGRFBK** | **SFRFGBK** |
| Gray | **SFFGX** | **NSF70GY** | **SFF3GGY** | **SFFGGY** | **SFGRFGY** | **SFRFGGY** |
| Ivory | **SFFEX** | **NSF70I** | **SFF3GEI** | **SFFGEI** | **SFGRFEI** | **SFRFGEI** |
| Office White | **SFFX** | **NSF70LA** | **SFF3GOW** | **SFFGOW** | **SFGRFOW** | **SFRFGOW** |
| White | **SFFWX** | **NSF70W** | **SFF3GW** | **SFFGW** | **SFGRFW** | **SFRFGW** |

### RCA Connectors, 110 Punch-Down



Extend up to 75ft (23m) over single 4-pair UTP cable; housing color is black

| Insulator Color | Catalog Number |
|---|---|
| Blue | **SFRC110B** |
| Green | **SFRC110GN** |
| Red | **SFRC110R** |
| White | **SFRC110W** |
| Yellow | **SFRC110Y** |

### 3.5mm to 110 Termination Stereo Jacks



Extend up to 75ft (23m) over single 4-pair UTP cable

| Color | Catalog Number |
|---|---|
| 3.5mm to 110 Termination, Black | **SF35110BK** |

### S-Video Connectors



Extend up to 75ft (23m) over single 4-pair UPT cable

| **Color** | Catalog Number |
|---|---|
| S-Video 110 Punch-Down Black | **SFSV110BK** |



### F-Connector Plugs

25-pack

| Termination Type | Cable Type | Catalog Number |
|---|---|---|
| Compression | RG6 | **FRG625** |

### Screw Terminal



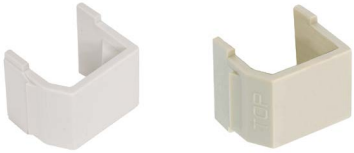
| Description | Catalog Number |
|---|---|
| HD 15-Pin, 10-Pack | **15ST10** |
| HD 15-Pin, Front Mount | **SF15ST** |

### Gender Changers



Female to female couplers

| Description | Catalog Number |
|---|---|
| HD 15-Pin, 10-Pack | **15GC10** |



### Blank Connectors

10-pack

| Color | Blank Connector | Smooth Blank Connector |
|---|---|---|
| Black | **SFBB10** | **SFSBBK10** |
| Gray | **SFBG10** | **SFSBGY10** |
| Ivory | **SFBE10** | **SFSBEI10** |
| Light Almond | – | **SFSBLA10** |
| Office White | **SFB10** | – |
| White | **SFBW10** | **SFSBW10** |

## AV Connections



### RCA Connectors, Solder Termination

| | Insulator Color | | | | | | |
|---|---|---|---|---|---|---|---|
| Housing Color | Black | Blue | Green | Orange | Red | White | Yellow |
| Black | **SFRCBKBK** | **SFRCBBK** | **SFRCGNBK** | **SFRCORBK** | **SFRCRBK** | **SFRCWBK** | **SFRCYBK** |
| Gray | **SFRCBKGY** | **SFRCBGY** | **SFRCGNGY** | **SFRCORGY** | **SFRCRGY** | **SFRCWGY** | **SFRCYGY** |
| Ivory | **SFRCBKEI** | **SFRCBEI** | **SFRCGNEI** | **SFRCOREI** | **SFRCREI** | **SFRCWEI** | **SFRCYEI** |
| Office White | **–** | **SFRCBOW** | **SFRCGNOW** | **SFRCOROW** | **SFRCR** | **SFRCW** | **SFRCY** |
| White | **SFRCBKW** | **SFRCBW** | **SFRCGNW** | **SFRCORW** | **SFRCRW** | **SFRCWW** | **SFRCYW** |



### RCA Connectors, Pass-Thru, Recessed

| | Insulator Color | | | | | | |
|---|---|---|---|---|---|---|---|
| Housing Color | Black | Blue | Green | Orange | Red | White | Yellow |
| Black | **SFRCBKRBK** | **SFRCBRBK** | **SFRCGNRBK** | **SFRCORRBK** | **SFRCRRBK** | **SFRCWRBK** | **SFRCYRBK** |
| Gray | **SFRCBKRGY** | **SFRCBRGY** | **SFRCGNRGY** | **SFRCORRGY** | **SFRCRRGY** | **SFRCWRGY** | **SFRCYRGY** |
| Ivory | **SFRCBKREI** | **SFRCBREI** | **SFRCGNREI** | **SFRCORREI** | **SFRCRREI** | **SFRCWREI** | **SFRCYREI** |
| Office White | **SFRCBKROW** | **SFRCBROW** | **SFRCGNROW** | **SFRCORROW** | **SFRCRROW** | **SFRCWROW** | **SFRCYROW** |
| White | **SFRCBKRW** | **SFRCBRW** | **SFRCGNRW** | **SFRCORRW** | **SFRCRRW** | **SFRCWRW** | **SFRCYRW** |



### RCA Connectors, Pass-Thru, Gold, Female to Female Coupler

| | Insulator Color | | | | | | |
|---|---|---|---|---|---|---|---|
| Housing Color | Black | Blue | Green | Orange | Red | White | Yellow |
| Black | **SFRCBKFFBK** | **SFRCBFFBK** | **SFRCGNFFBK** | **SFRCORFFBK** | **SFRCRFFBK** | **SFRCWFFBK** | **SFRCYFFBK** |
| Gray | **SFRCBKFFGY** | **SFRCBFFGY** | **SFRCGNFFGY** | **SFRCORFFGY** | **SFRCRFFGY** | **SFRCWFFGY** | **SFRCYFFGY** |
| Ivory | **SFRCBKFFEI** | **SFRCBFFEI** | **SFRCGNFFEI** | **SFRCORFFEI** | **SFRCRFFEI** | **SFRCWFFEI** | **SFRCYFFEI** |
| Office White | **SFRCBKFF** | **SFRCBFFOW** | **SFRCGNFFOW** | **SFRCORFFOW** | **SFRCRFF** | **SFRCWFF** | **SFRCYFF** |
| White | **SFRCBKFFW** | **SFRCBFFW** | **SFRCGNFFW** | **SFRCORFFW** | **SFRCRFFW** | **SFRCWFFW** | **SFRCYFFW** |

## Audio Connections






### 3.5mm Stereo Jacks

| Color | 3.5mm to Solder | 3.5mm to Screw Terminal | 3.5mm Pass-Thru, F/F Coupler | 3.5mm Pass-Thru, Gold, F/F Coupler |
|---|---|---|---|---|
| Black | **SF35SJBK** | **SF35STBK** | **SF35FFBK** | **SF35GFFBK** |
| Gray | **SF35SJGY** | **SF35STGY** | **SF35FFGY** | **SF35GFFGY** |
| Ivory | **SF35SJEI** | **SF35STEI** | **SF35FFEI** | **SF35GFFEI** |
| Office White | **SF35SJ** | **SF35STOW** | **SF35FFOW** | **SF35GFFOW** |
| White | **SF35SJW** | **SF35STW** | **SF35FFW** | **SF35GFFW** |



### 1/4" Stereo Jack

Solder

| Color | Catalog Number |
|---|---|
| Black | **SF14SJBK** |
| Gray | **SF14SJGY** |
| Ivory | **SF14SJEI** |
| Office White | **SF14SJOW** |
| White | **SF14SJW** |




### BNC Connectors

| Color | Nickel Finish | Gold Finish |
|---|---|---|
| Black | **SFBBK** | **SFBGBK** |
| Gray | **SFBGY** | **SFBGGY** |
| Ivory | **SFBEI** | **SFBGEI** |
| Light Almond | **SFBLA** | **SFBGLA** |
| Office White | **SFBOW** | **SFBGOW** |
| White | **SFBW** | **SFBGW** |




### Speaker Post Connectors

Screw termination, gold

| Color | Black | Red |
|---|---|---|
| Black | **SFSPGBKBK** | **SFSPGRBK** |
| Gray | **SFSPGBKGY** | **SFSPGRGY** |
| Ivory | **SFSPGBKEI** | **SFSPGREI** |
| Office White | **SFSPGBK** | **SFSPGR** |
| White | **SFSPGBKW** | **SFSPGRW** |




### Speaker Banana Plugs

Screw termination, gold

| | Black | Red |
|---|---|---|
| 10-pack | **SPPBK10** | **SPPR10** |

## Hubbell iSTATION Wallplates

### IFP Wallplates with Label Fields, 1 and 2-Gang



| | 1-Gang | | | | | 2-Gang | | |
|---|---|---|---|---|---|---|---|---|
| Color | 1-Port | 2-Port | 3-Port | 4-Port | 6-Port | 6-Port | 9-Port | 12-Port |
| Black | **IFP11BK** | **IFP12BK** | **IFP13BK** | **IFP14BK** | **IFP16BK** | **IFP26BK** | **IFP29BK** | **IFP212BK** |
| Gray | **IFP11GY** | **IFP12GY** | **IFP13GY** | **IFP14GY** | **IFP16GY** | **IFP26GY** | **IFP29GY** | **IFP212GY** |
| Ivory | **IFP11EI** | **IFP12EI** | **IFP13EI** | **IFP14EI** | **IFP16EI** | **IFP26EI** | **IFP29EI** | **IFP212EI** |
| Light Almond* | **IFP11LA** | **IFP12LA** | **IFP13LA** | **IFP14LA** | **IFP16LA** | **IFP26LA** | **IFP29LA** | **IFP212LA** |
| Office White | **IFP11OW** | **IFP12OW** | **IFP13OW** | **IFP14OW** | **IFP16OW** | **IFP26OW** | **IFP29OW** | **IFP212OW** |
| White | **IFP11W** | **IFP12W** | **IFP13W** | **IFP14W** | **IFP16W** | **IFP26W** | **IFP29W** | **IFP212W** |

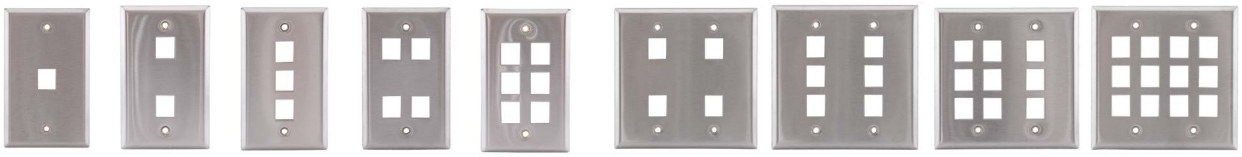
*Note: *Light Almond wallplates match Office White non-metallic raceway, boxes, jacks and connectors.*

### Multimedia Nylon Wallplates, 1-Gang



| | 1-Gang | | | | |
|---|---|---|---|---|---|
| Color | 1-Port | 2-Port | 3-Port | 4-Port | 6-Port |
| Black | **NSP11BK** | **NSP12BK** | **NSP13BK** | **NSP14BK** | **NSP16BK** |
| Gray | **NSP11GY** | **NSP12GY** | **NSP13GY** | **NSP14GY** | **NSP16GY** |
| Ivory | **NSP11I** | **NSP12I** | **NSP13I** | **NSP14I** | **NSP16I** |
| Light Almond | **NSP11LA** | **NSP12LA** | **NSP13LA** | **NSP14LA** | **NSP16LA** |
| White | **NSP11W** | **NSP12W** | **NSP13W** | **NSP14W** | **NSP16W** |

### Stainless Steel Wallplates without Label Fields, 1 and 2-Gang



| | 1-Gang | | | | | 2-Gang | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1-Port | 2-Port | 3-Port | 4-Port | 6-Port | 4-Port | 6-Port | 9-Port | 12-Port |
| Catalog Number | **SSF11** | **SSF12** | **SSF13** | **SSF14** | **SSF16** | **SSF204** | **SSF206** | **SSF209** | **SSF212** |

### Stainless Steel Wallplates with Label Fields



| 1-Gang | Catalog Number |
|---|---|
| 1-Port | **SSFL11** |
| 2-Port | **SSFL12** |
| 3-Port | **SSFL13** |
| 4-Port | **SSFL14** |
| 6-Port | **SSFL16** |

### Duplex and Decorator Wallplates with Label Fields



| Color | Duplex Wallplate | Decorator Wallplate |
|---|---|---|
| Office White | **IFP18OW** | **IFP126OW** |

### Stainless Steel Wall Mount Phone Plates, 1-Gang

630 Stainless steel, 1-gang wall phone plate.



**SPUF** **SPUR**

| Jack Format | Includes Gray Jack | Catalog Number |
|---|---|---|
| Flush | 6-position USOC, RJ25 | **SPUF** |
| Flush | 8-position Cat. 5e, RJ45 | **SP5EF** |
| Flush | 8-position Cat. 6, RJ45 | **SP6F** |
| Recessed | 6-position USOC, RJ25 | **SPUR** |
| Recessed | 8-position Cat. 5e, RJ45 | **SP5ER** |
| Recessed | 8-position Cat. 6, RJ45 | **SP6R** |

**Opening**
Hole size for mounting all Hubbell Jacks.




A: .575" (14.61)
B: .676" (17.17)

## Hubbell iSTATION Outlet Frames and Secure-IT Plates

### Decorator Frames, Unloaded








| Color | 1-Gang, 1-Port | 1-Gang, 2-Port | 1-Gang, 3-Port | 1-Gang, 4-Port | 1-Gang, 6-Port | 1-Gang, Adapter Blank** |
|---|---|---|---|---|---|---|
| Black | **NS611BK** | **NS612BK** | **NS613BK** | **NS614BK** | **NS616BK** | **NS620BK** |
| Gray | **NS611GY** | **NS612GY** | **NS613GY** | **NS614GY** | **NS616GY** | **NS620GY** |
| Ivory | **NS611I** | **NS612I** | **NS613I** | **NS614I** | **NS616I** | **NS620I** |
| Light Almond | **NS611LA** | **NS612LA** | **NS613LA** | **NS614LA** | **NS616LA** | **NS620LA** |
| White | **NS611W** | **NS612W** | **NS613W** | **NS614W** | **NS616W** | **NS620W** |

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
***To fill an extra decorator opening or to create customized openings.*

### Decorator HD15/9-Pin or HDMI Frames, Unloaded





| Color | HD15/9 or HDMI | (2) HD15/9 or HDMI | (1) Recessed HD15/9 or HDMI |
|---|---|---|---|
| Black | **ISFB15BK** | **ISFB215BK** | **ISFBR15BK** |
| Gray | **ISFB15GY** | **ISFB215GY** | **ISFBR15GY** |
| Ivory | **ISFB15EI** | **ISFB215EI** | **ISFBR15EI** |
| Office White | **ISFB15OW** | **ISFB215OW** | **ISFBR15OW** |
| White | **ISFB15W** | **ISFB215W** | **ISFBR15W** |

### Duplex Outlet Frames, Unloaded




| Color | 2-Port | 4-Port |
|---|---|---|
| Black | **BR106B** | **Q106B** |
| Gray | **BR106G** | **Q106G** |
| Ivory | **BR106E** | **Q106E** |
| Office White | **BR106C** | **Q106O** |
| White | **BR106W** | **Q106W** |

### Secure-IT Plates

Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.



**TPF1W**

#### Tamper-Resistant Plates

| Color | 1-Gang/4-Port |
|---|---|
| Black | **TPF1BK** |
| Gray | **TPF1GY** |
| Office White | **TPF1OW** |
| White | **TPF1W** |



**TWPF1GY**

#### NEMA 3R Weatherproof Plates

| Color | 1-Gang/4-Port |
|---|---|
| Gray | **TWPF1GY** |

## AV 110 Everywhere™ Analog AV Over UTP

### Tamper-Resistant Receptacle with 5V DC Power Output



| Description | Color | Catalog Number |
|---|---|---|
| USB charger TR receptacle, (1) USB port 3A, switched 5V DC output, 15A, 125V AC decorator duplex | Black | **AVPS15BK** |
| | Ivory | **AVPS15I** |
| | Gray | **AVPS15GY** |
| | Office White | **AVPS15LA** |
| | White | **AVPS15W** |



### USB 2.0 High Speed 110 Extenders, 100ft

| Description | Color | 1.5 Unit Module |
|---|---|---|
| 4-pair UTP cable installation, up to 100ft (305m) | Black | **IMU11015BK** |
| | Ivory | **IMU11015EI** |
| | Gray | **IMU11015GY** |
| | Office White | **IMU11015OW** |
| | White | **IMU11015W** |

*Note: Product consists of send and receive pair.*





### HDMI 1080P 110 UTP Extenders

(2) 4-pair UTP cable installation, 5V DC, up to 147ft (45m)

| Color | Decorator | 2 Unit Module |
|---|---|---|
| Black | **ISFH110BK** | **IMH110ST2BK** |
| Ivory | **ISFH110EI** | **IMH110ST2EI** |
| Gray | **ISFH110GY** | **IMH110ST2GY** |
| Office White | **ISFH110OW** | **IMH110ST2OW** |
| White | **ISFH110W** | **IMH110ST2W** |

*Note: Product consists of send and receive pair.*



### VGA and 3.5mm HD AV Extender

Extend up to 75ft (23m) over two 4-pair UTP cables, 1.5 unit

| Color | Catalog Number |
|---|---|
| Black | **IM15311015BK** |
| Gray | **IM15311015GY** |
| Ivory | **IM15311015EI** |
| Office White | **IM15311015OW** |
| White | **IM15311015W** |

*Note: Product consists of send and receive pair.*



### RCA Component with Audio 110 Audio/Video Modules

Extend up to 75ft (23m) over (2) 4-pair UTP cables, 1.5 unit

| Color | RCA Component Video, Left/Right Audio | RCA Component Video, 3.5mm Audio |
|---|---|---|
| Black | **IMCAR11015BK** | **IMC3511015BK** |
| Gray | **IMCAR11015GY** | **IMC3511015GY** |
| Ivory | **IMCAR11015EI** | **IMC3511015EI** |
| Office White | **IMCAR11015OW** | **IMC3511015OW** |
| White | **IMCAR11015W** | **IMC3511015W** |







### RCA 110 Audio/Video Modules

Extend up to 100ft (30.5m) over (1) 4-pair UTP cables, 1 unit

| | 75ft (23m) max. | 100ft (30.5m) max. | |
|---|---|---|---|
| Color | RCA Component Video, HD | RCA Composite Video, Left/Right Audio | RCA Left/Right Audio |
| Black | **IMCR1101BK** | **IMR1101BK** | **IMAR1101BK** |
| Gray | **IMCR1101GY** | **IMR1101GY** | **IMAR1101GY** |
| Ivory | **IMCR1101EI** | **IMR1101EI** | **IMAR1101EI** |
| Office White | **IMCR1101OW** | **IMR1101OW** | **IMAR1101OW** |
| White | **IMCR1101W** | **IMR1101W** | **IMAR1101W** |

## AV Modules






### Solder Audio/Video Modules

| | 1.5 Unit | 1 Unit | | |
|---|---|---|---|---|
| Color | RCA Component Video with Left/Right Audio or RGBHV | RCA Component Video | RCA Composite Video with Left/Right Audio | RCA Composite Video, 3.5mm Stereo Audio Jack |
| Black | **IMCRS15BK** | **IMCRS1BK** | **IM3RS1BK** | **IMRSJ1BK** |
| Gray | **IMCRS15GY** | **IMCRS1GY** | **IM3RS1GY** | **IMRSJ1GY** |
| Ivory | **IMCRS15EI** | **IMCRS1EI** | **IM3RS1EI** | **IMRSJ1EI** |
| Office White | **IMCRS15OW** | **IMCRS1OW** | **IM3RS1OW** | **IMRSJ1OW** |
| White | **IMCRS15W** | **IMCRS1W** | **IM3RS1W** | **IMRSJ1W** |






### Gold Pass-Through Audio/Video Modules

| | Female to female coupler, 1 unit | | | Speaker post |
|---|---|---|---|---|
| Color | RCA Component Video | RCA Composite Video with Left/Right Audio | RCA Left/Right Audio with 3.5mm Stereo Audio Jack | Black and Red, Screw Termination |
| Black | **IMCRF1BK** | **IM3RF1BK** | **IM35AR1BK** | **IMSP1BK** |
| Gray | **IMCRF1GY** | **IM3RF1GY** | **IM35AR1GY** | **IMSP1GY** |
| Ivory | **IMCRF1EI** | **IM3RF1EI** | **IM35AR1EI** | **IMSP1EI** |
| Office White | **IMCRF1OW** | **IM3RF1OW** | **IM35AR1OW** | **IMSP1OW** |
| White | **IMCRF1W** | **IM3RF1W** | **IM35AR1W** | **IMSP1W** |




### Speaker Banana Plugs

| Screw termination, gold | | |
|---|---|---|
| | Black | Red |
| 10-pack | **SPPBK10** | **SPPR10** |

## Wallplate Frames, Delivery Bezels, Modules and Gangable AV Wallboxes






### Hubbell iSTATION Modular Wallplate Frames

Single-service, low voltage

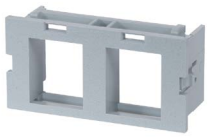
| Color | 1-Gang | 2-Gang | 3-Gang | 4-Gang |
|---|---|---|---|---|
| Black | **IMF1BK** | **IMF2BK** | **IMF3BK** | **IMF4BK** |
| Gray | **IMF1GY** | **IMF2GY** | **IMF3GY** | **IMF4GY** |
| Ivory | **IMF1EI** | **IMF2EI** | **IMF3EI** | **IMF4EI** |
| Office White | **IMF1OW** | **IMF2OW** | **IMF3OW** | **IMF4OW** |
| White | **IMF1W** | **IMF2W** | **IMF3W** | **IMF4W** |

Multi-service, power and low voltage

| Color | 1-Gang Decorator 1-Gang iSTATION | 2-Gang Decorator | 1-Gang Decorator 2-Gang iSTATION | 1-Gang Decorator 3-Gang iSTATION | 2-Gang Decorator 2-Gang iSTATION |
|---|---|---|---|---|---|
| Black | **IMFP1D1BK** | **IMFP2BK** | **IMFP1D2BK** | **IMFP1D3BK** | **IMFP2D2BK** |
| Gray | **IMFP1D1GY** | **IMFP2GY** | **IMFP1D2GY** | **IMFP1D3GY** | **IMFP2D2GY** |
| Ivory | **IMFP1D1EI** | **IMFP2EI** | **IMFP1D2EI** | **IMFP1D3EI** | **IMFP2D2EI** |
| Office White | **IMFP1D1OW** | **IMFP2OW** | **IMFP1D2OW** | **IMFP1D3OW** | **IMFP2D2OW** |
| White | **IMFP1D1W** | **IMFP2W** | **IMFP1D2W** | **IMFP1D3W** | **IMFP2D2W** |

### Hubbell iSTATION Stainless Steel Plates

| 1-Gang | 2-Gang | 3-Gang | 4-Gang |
|---|---|---|---|
| **IMSS1** | **IMSS2** | **IMSS3** | **IMSS4** |



### Delivery Bezels and Modules

| Color | Raceway Bezel | Hubbell iSTATION Bezel for Third-Party Raceway | Furniture Boxes |
|---|---|---|---|
| Black | – | – | **HBLIMFBK** |
| Gray | **KPIMBZGY** | **HWAPLGY** | **HBLIMFGY** |
| Ivory | – | – | **HBLIMFI** |
| Office White | **KPIMBZOW** | **HWAPLOW** | – |
| White | – | **HWAPLW** | **HBLIMFWA** |

### Third-Party Raceway Modules

Unloaded, 2-port, 10-pack

| Color | Catalog Number |
|---|---|
| Black | **HWM2KBK10** |
| Gray | **HWM2KGY10** |
| Ivory* | **HWM2KI10** |
| White | **HWM2KW10** |

*Note: *Equivalent to Hubbell Office White.*

### Two and Three Gangable AV Wallboxes

| Box | Dimensions | Top Knockouts | Bottom Knockouts | Back Knockouts | Catalog Number |
|---|---|---|---|---|---|
| 2-Gang, 2" KO, 54in$^3$ capacity | H: 4.21" W: 4.06" D: 4.0" | (2) ½" (2) ½" – ¾" TKO* | (1) 1", 1¼", 1½" & 2" | (2) ½" – ¾" TKO | **HBL985** |
| 3-Gang, 2" KO, 79in$^3$ capacity | H: 4.21" W: 5.87" D: 4.0" | (3) ½" (3) ½" – ¾" TKO* | (1) ½" (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" & 2" | (3) ½" – ¾" TKO | **HBL986** |

*Note: *TKO (Tangential Knockout).*



### Low Voltage AV Wallbox Partitions

| Compatible With | Description | Quantity | Catalog Number |
|---|---|---|---|
| HBL985 and HBL986 | Solid divider | 1 | **HBL989** |
| | With pass-thru capability | 1 | **HBL989AVD** |



## Modules and Frames



### HD15/9-Pin or HDMI Modules

| Color | 1 Unit | 1.5 Unit | | 2 Unit |
|---|---|---|---|---|
| | HD15/9-Pin or HDMI | Angled, HD15/9-Pin or HDMI | HD15/9-Pin or HDMI with 3.5mm Stereo Jack* | HD15/9-Pin or HDMI with 3.5mm SJ+AV Conn |
| Black | **IMBDS1BK** | **IMBDSA15BK** | **IMB15315BK** | **IMB153X2BK** |
| Gray | **IMBDS1GY** | **IMBDSA15GY** | **IMB15315GY** | **IMB153X2GY** |
| Ivory | **IMBDS1EI** | **IMBDSA15EI** | **IMB15315EI** | **IMB153X2EI** |
| Office White | **IMBDS1OW** | **IMBDSA15OW** | **IMB15315OW** | **IMB153X2OW** |
| White | **IMBDS1W** | **IMBDSA15W** | **IMB15315W** | **IMB153X2W** |

*Note: *Screw termination or solder.*

### DVI Modules

DVI Blank, Unloaded, 1.5 Unit

| Color | 1-Pack | 10-Pack |
|---|---|---|
| Black | **IMBDVI15BK** | **IMBDVI1015BK** |
| Gray | **IMBDVI15GY** | **IMBDVI1015GY** |
| Ivory | **IMBDVI15EI** | **IMBDVI1015EI** |
| Light Almond | **IMBDVI15LA** | **IMBDVI1015LA** |
| Office White | **IMBDVI15OW** | **IMBDVI1015OW** |
| White | **IMBDVI15W** | **IMBDVI1015W** |



### Modules

| Color | 1 Unit | | 1.5 Unit | | | |
|---|---|---|---|---|---|---|
| | Flat, 1-Port | Flat, 2-Port | Angled, 1-Port | Angled, 2-Port | Recessed, Angled, 1-Port | Recessed, Angled, 2-Port |
| Black | **IM1K1BK** | **IM2K1BK** | **IM1KA15BK** | **IM2KA15BK** | **IM1IA15BK** | **IM2IA15BK** |
| Gray | **IM1K1GY** | **IM2K1GY** | **IM1KA15GY** | **IM2KA15GY** | **IM1IA15GY** | **IM2IA15GY** |
| Ivory | **IM1K1EI** | **IM2K1EI** | **IM1KA15EI** | **IM2KA15EI** | **IM1IA15EI** | **IM2IA15EI** |
| Office White | **IM1K1OW** | **IM2K1OW** | **IM1KA15OW** | **IM2KA15OW** | **IM1IA15OW** | **IM2IA15OW** |
| White | **IM1K1W** | **IM2K1W** | **IM1KA15W** | **IM2KA15W** | **IM1IA15W** | **IM2IA15W** |



### Blank Modules

| Color | 0.5 Unit | 1 Unit | 1.5 Unit |
|---|---|---|---|
| Black | **IMB05BK** | **IMB1BK** | **IMB15BK** |
| Gray | **IMB05GY** | **IMB1GY** | **IMB15GY** |
| Ivory | **IMB05EI** | **IMB1EI** | **IMB15EI** |
| Office White | **IMB05OW** | **IMB1OW** | **IMB15OW** |
| White | **IMB05W** | **IMB1W** | **IMB15W** |

### SC Angled Modules

| 1.5 Unit, 1 Duplex | 2 Unit, 2 Duplex |
|---|---|
| **IM1SCA15BK** | **IM2SCA2BK** |
| **IM1SCA15GY** | **IM2SCA2GY** |
| **IM1SCA15EI** | **IM2SCA2EI** |
| **IM1SCA15OW** | **IM2SCA2OW** |
| **IM1SCA15W** | **IM2SCA2W** |

### Hubbell iSTATION Audio/Video Modules

XLR, speakON® and ¼ inch modules applications include video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 series blank modules with AV connectors for Hubbell iSTATION applications.



| Color | AV Blank 1.5 Unit, 10-Pack | XLR Screw Terminal, 10-Pack | XLR Solder-Type, 10-Pack | speakON® Conn. Solder-Type, 10-Pack | USB Feed-Thru A-to-B, 10-Pack | ¼" Stereo Jack Solder-Type, 10-Pack |
|---|---|---|---|---|---|---|
| Black | **IMAVB15BK** | **XLRST10** | **XLR10** | **SC10** | **USB10** | **14S10** |
| Gray | **IMAVB15GY** | | | | | |
| Ivory | **IMAVB15EI** | | | | | |
| Office White | **IMAVB15OW** | | | | | |
| White | **IMAVB15W** | | | | | |

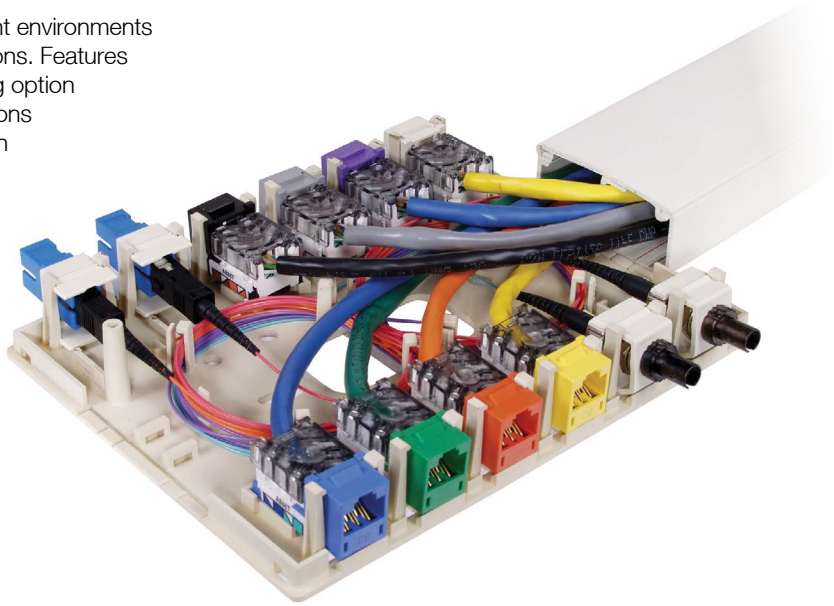
*Note: *Not UL Listed.*

*speakON® is a registered trademark of Neutrik® AG.*

## Hubbell iSTATION Surface Mount Boxes

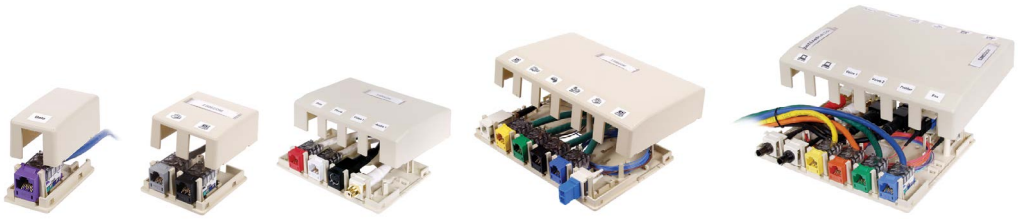
Ideal for open office MUTOA cabling, compact surface mount environments and retrofits to support data, voice and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA standard furniture openings and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.



### Features

- Low-profile design
- Accepts XJ jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- UL and cULus listed
- Constructed with a high-impact resistant, flame-retardant polymer
- ANSI/TIA-606B compliant



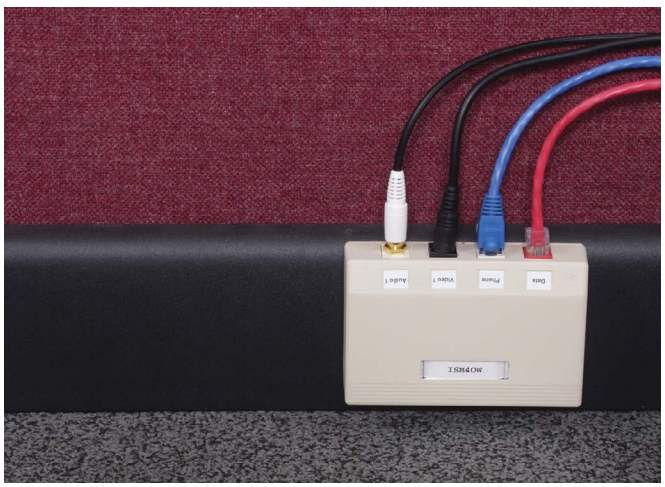
### HSB Surface Mount Boxes

| Color | 1-Port | 2-Port | 4-Port | 6-Port | 12-Port |
|---|---|---|---|---|---|
| Black | **HSB1BK** | **HSB2BK** | **HSB4BK** | **HSB6BK** | **HSB12BK** |
| Ivory | **HSB1EI** | **HSB2EI** | **HSB4EI** | **HSB6EI** | **HSB12EI** |
| Gray | **HSB1GY** | **HSB2GY** | **HSB4GY** | **HSB6GY** | **HSB12GY** |
| Office White | **HSB1OW** | **HSB2OW** | **HSB4OW** | **HSB6OW** | **HSB12OW** |
| White | **HSB1W** | **HSB2W** | **HSB4W** | **HSB6W** | **HSB12W** |

### UL Plenum Rated HSB Surface Mount Boxes

| Color | 1-Port | 2-Port |
|---|---|---|
| Black | **HSB1BKP** | **HSB2BKP** |
| Ivory | **HSB1EIP** | **HSB2EIP** |
| Gray | **HSB1GYP** | **HSB2GYP** |
| Office White | **HSB1OWP** | **HSB2OWP** |
| White | **HSB1WP** | **HSB2WP** |

*Note: HSB surface mount boxes are not compatible with SJ shielded jacks.*



### Non-Metallic Raceway Compatibility Chart

| Series | PP | PL | PW | PB |
|---|---|---|---|---|
| HSB1 | ✓ | | | ✓* |
| HSB2 | ✓ | | | ✓* |
| HSB4 | ✓ | ✓ | ✓ | ✓* |
| HSB6 | ✓ | ✓ | ✓ | ✓* |
| HSB12 | ✓ | ✓ | ✓ | ✓* |

*Note: *Use PB3REDA transition fitting.*
*See section T for Raceway product information.*

PP1 = PREMISETRAK Latching Raceway
PL1 = LANTRAK® Latching Raceway
PW2= WALLTRAK® Latching Raceway
PB2 = BASETRAK® Non-Latching Raceway
PB3 = BASETRAK Non-Latching Raceway
PS3 = SUPER BASETRAK® Non-Latching Raceway

## Universal Patch Panels and Wall Mount Brackets



HP612



HP5E12



HP5E24



HP5E48



NSPJ24



CMBR

### Consolidation Point Block, Category 6 and Category 5e

| Description | Catalog Number |
|---|---|
| Category 6, 12-Port, Universal, 89D. | **HP612** |
| Category 5e, 12-Port, Universal, 89D. | **HP5E12** |

### Universal Patch Panel, Category 5e

| Description | Catalog Number |
|---|---|
| 24-Port, 1.75" H. | **HP5E24** |
| 48-Port, 3.50" H. | **HP5E48** |
| 96-Port, 7.0" H. | **HP5E96** |

### Universal Patch Panel, Category 6

| Description | Catalog Number |
|---|---|
| 24-Port, 1.75" H. | **HP624** |
| 48-Port, 3.50" H. | **HP648** |
| 96-Port, 7.0" H. | **HP696** |

### Jack Panel, Unloaded

| Description | Catalog Number |
|---|---|
| Wall Mount, 12-Port, Black. | **HPJ1289** |
| Rack Mount, 24-Port, 1.75" H, Black. | **NSPJ24** |
| Rack Mount, 48-Port, 3.5" H, Black. | **NSPJ48** |

### Rear Cable Management Bar*

| Description | Catalog Number |
|---|---|
| Screws to the rear flange of a 19-inch rack. | **CMBR** |
| HPW panel mount. | **HPRCMB** |

*Note: *Not UL Listed.*



HPWWB2U4



HPWWB4U8



HPWWB6U18



BRMCCMB19X7X4

### Wall Mount Brackets, Bottom-Hinged

Includes assembled bottom-hinged wall bracket.

| Rack Units | Width Inches (mm) | Depth Inches (mm) | Height Inches (mm) | Catalog Number |
|---|---|---|---|---|
| 1 | 19" (483) | 4" (102) | 1.75" (45) | **HPWWB1U4** |
| 2 | 19" (483) | 4" (102) | 3.50" (89) | **HPWWB2U4** |
| | | 8" (203) | 3.50" (89) | **HPWWB2U8** |
| 4 | 19" (483) | 4" (102) | 7.00" (178) | **HPWWB4U4** |
| | | 8" (203) | 7.00" (178) | **HPWWB4U8** |
| 6 | 19" (483) | 4" (102) | 10.50" (267) | **HPWWB6U4** |
| | | 8" (203) | 10.50" (267) | **HPWWB6U8** |
| | | 18" (457) | 10.50" (267) | **HPWWB6U18** |

### Wall Mount Brackets, Side-Hinged

Includes assembled side-hinged wall bracket.

| Rack Units | Width Inches (mm) | Depth Inches (mm) | Height Inches (mm) | Catalog Number |
|---|---|---|---|---|
| 2 | 19" (483) | 4" 102) | 3.50" (89) | **BRMCCMB19X35X4** |
| 4 | 19" (483) | 4" (102) | 7.00" (178) | **BRMCCMB19X7X4** |
| 2 | 19" (483) | 8" (203) | 3.50" (89) | **BRMCCMB19X35X8** |
| 4 | 19" (483) | 8" (203) | 7.00" (178) | **BRMCCMB19X7X8** |

## Features and Benefits

### NSC Patch Cords

- Conductor: #24 AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0
- Plug Boot: PVC
- Contact Plating: 50 micro-inch Gold





**Housing Design**

- Category 6 performance
- Slim snagless boot for high density ports
- PoE ready



**Performance, Mechanical**

- Cable to plug tensile strength: 20+ lbs.
- Mating cycles: 2000+

### NSC Patch Cords, Category 6

| Length (ft) | Color | | | |
|---|---|---|---|---|
| | Black | Blue | Gray | White |
| 1’ | **NSC6BK01** | **NSC6B01** | **NSC6GY01** | **NSC6W01** |
| 3’ | **NSC6BK03** | **NSC6B03** | **NSC6GY03** | **NSC6W03** |
| 5’ | **NSC6BK05** | **NSC6B05** | **NSC6GY05** | **NSC6W05** |
| 7’ | **NSC6BK07** | **NSC6B07** | **NSC6GY07** | **NSC6W07** |
| 10’ | **NSC6BK10** | **NSC6B10** | **NSC6GY10** | **NSC6W10** |
| 15’ | **NSC6BK15** | **NSC6B15** | **NSC6GY15** | **NSC6W15** |



**NSC6B01**

### NSC Patch Cords, Category 5e

| Length (ft) | Color | | | |
|---|---|---|---|---|
| | Black | Blue | Gray | White |
| 1’ | **NSC5EBK01** | **NSC5EB01** | **NSC5EGY01** | **NSC5EW01** |
| 3’ | **NSC5EBK03** | **NSC5EB03** | **NSC5EGY03** | **NSC5EW03** |
| 5’ | **NSC5EBK05** | **NSC5EB05** | **NSC5EGY05** | **NSC5EW05** |
| 7’ | **NSC5EBK07** | **NSC5EB07** | **NSC5EGY07** | **NSC5EW07** |
| 10’ | **NSC5EBK10** | **NSC5EB10** | **NSC5EGY10** | **NSC5EW10** |
| 15’ | **NSC5EBK15** | **NSC5EB15** | **NSC5EGY15** | **NSC5EW15** |



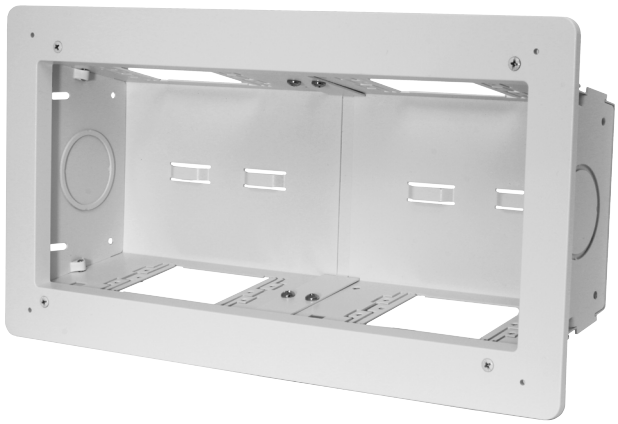
**NSC5EW01**

## Features and Benefits

### AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2 and 4-gang enclosure with two 1½ and 1¼ inch KOs
- Optional screw on cover reduces tampering
- cULus 1863 Listed





### Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



### Mounting

- Multiple device mounting options
- 1½" And 1¼" conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough-in



NSAV6C



NS801W



NSOKPS



NP26W



SFHC14W



NSJ6W

### FPTV Connection Enclosure

| Description | Height Inches (mm) | Width Inches (mm) | Depth Inches (mm) | Color | Catalog Number |
|---|---|---|---|---|---|
| 2-gang in-wall enclosure. | 8.16" (207) | 7.92" (201) | 3.37" (86) | White | **NSAV62M** |
| 4-gang in-wall enclosure. | 14.80" (376) | 7.92" (201) | 3.37" (86) | White | **NSAV124M** |
| Steel cover for NSAV6 series. | 7.2" (183) | 7.2" (183) | 0.05" (1) | White | **NSAV6C** |
| Steel cover for NSAV12 series. | 13.80" (351) | 7.2" (183) | 0.05" (1) | White | **NSAV12C** |
| Block wall adapter. | | | | | **NSAV6BW** |
| New work stud brackets. | | | | | **NSAV6NW** |

### Accessories

**Power Kits**

| Description | Color | Catalog Number |
|---|---|---|
| Standard power kit. | White | **NSOKPTR** |
| Surge protected power kit. | Blue | **NSOKPS** |

**Unloaded Wallplates and Frames**

| | | |
|---|---|---|
| 1-gang blank wallplate. | White | **P14W** |
| 1-gang decorator wallplate. | White | **P26W** |
| 1-gang Hubbell iSTATION wallplate. | White | **IMF1W** |
| 1-gang 4-port wallplate. | White | **NSP14W** |

**AV Connectors and Wallplates**

| | | |
|---|---|---|
| 1-port HDMI frame. | White | **NS801W** |
| 2-port HDMI frame. | White | **NS802W** |
| HDMI snap fit. | White | **SFHC14W** |
| F-connector snap fit. | White | **NSF70W** |
| USB A-to-B snap fit. | White | **SFUSBABW** |
| Cat 6 snap fit jack. | White | **NSJ6W** |

*Note: See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.*

## HDMI Products

### AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation



| Description | Height Inches (mm) | Width Inches (mm) | Depth Inches (mm) | Color | Catalog Number |
|---|---|---|---|---|---|
| AV Ceiling Enclosure | 12" (305) | 24" (610) | 8" (203) | White | **AVCE1H** |

*Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.*

### HDMI Decorator Frames

netSELECT® HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

- Third party tested for 1080p resolutions
- UL Listed - Communications Circuit Accessory and CSA Certified





**Frame Design**

- High impact thermoplastic frame
- Connector flush to frame face



**Connector**

- Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords
- Connector sized to fit 1 inch conduit
- 4 inch flexible extension reduces bend radius issues in confined spaces

### HDMI Products

| Description | Color | 1-Gang, 1-Port | 1-Gang, 2-Port |
|---|---|---|---|
| HDMI, Decorator Frame, Female to Female | Black | **NS801BK** | **NS802BK** |
| | Gray | **NS801GY** | **NS802GY** |
| | Ivory | **NS801I** | **NS802I** |
| | Light Almond | **NS801LA** | **NS802LA** |
| | White | **NS801W** | **NS802W** |



**NS801W**



**NS802W**

### HDMI Patch Cords, #24 AWG



| Length | HDMI Device Patch Cords |
|---|---|
| 3 ft. | **HDPC03BK** |
| 6 ft. | **HDPC06BK** |



| Length | Horizontal Cords (Connector to Connector) |
|---|---|
| 10 ft. | **HDH10BK** |
| 15 ft. | **HDH15BK** |
| 20 ft. | **HDH20BK** |
| 25 ft. | **HDH25BK** |
| 30 ft. | **HDH30BK** |

*Note: Black and Non-Plenum only.*

## Advantages and Wiring Layout

### Connect Your Home to Internet, Voice and Video Services

netSELECT® is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT® System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

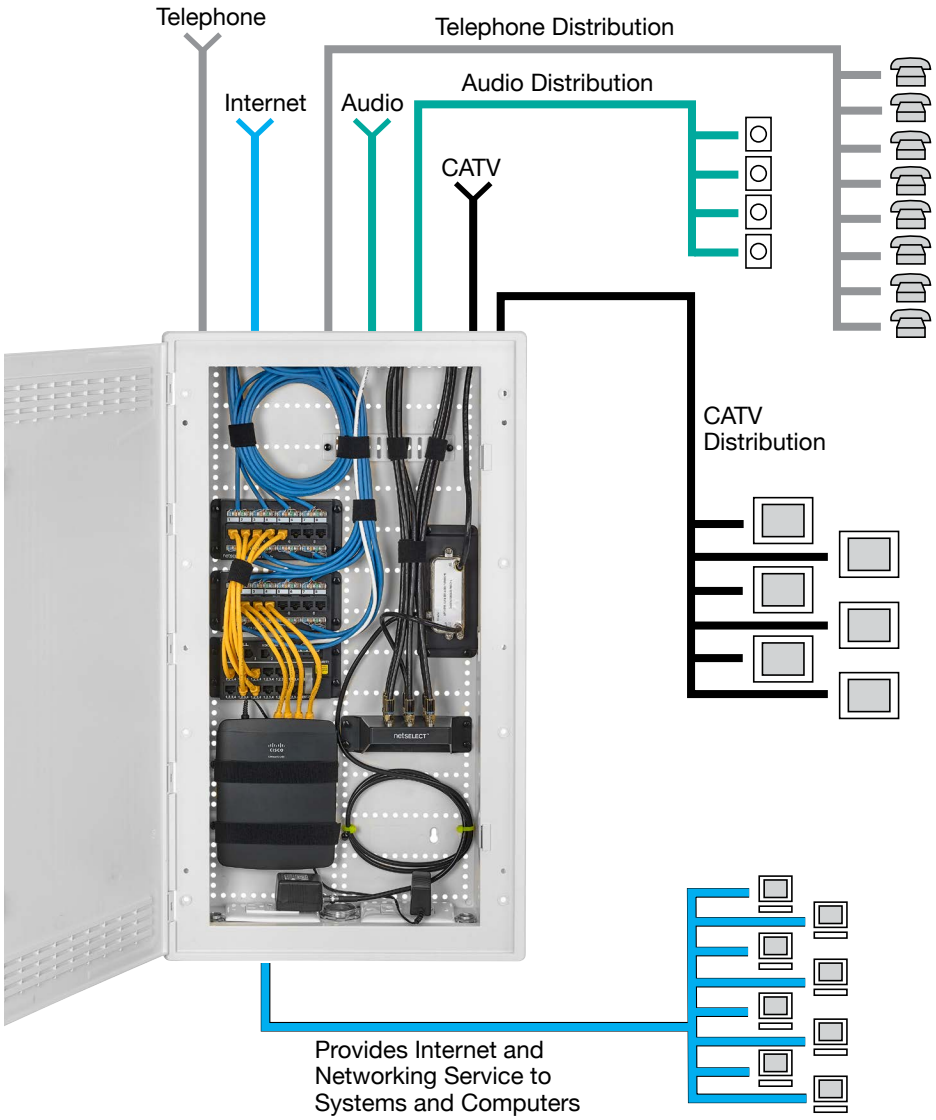
This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

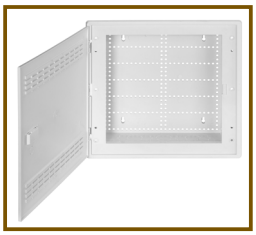
- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution
- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems

### Specifications

- Material: high-impact thermoplastic to minimize WiFi degradation
- Finish: White, satin finish
- UL and cULus Listed

### Today's Communications Entail A Lot More Than Just Talking. netSELECT® Keeps You Connected—Internet, Voice, Data and Entertainment



**Flexibility**

- Hinged door can be mounted to swing from either side



**Options**

- Horizontal and vertical module mounting holes for maximum flexibility



**Installation**

- Additional nylon push pins provided to assist module mounting

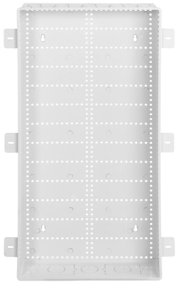
## Network Enclosures

### Features

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals
- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- cULus Listed 1863



Box with Hinged Vented Door



Box Only



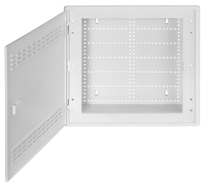
Hinged Vented Door



Hinged Vented Door Open

### 14-Inch Network Enclosure

| Description | Height Inches (mm) | Width Inches (mm) | Depth Inches (mm) | Module Unit Capacity | Catalog Number |
|---|---|---|---|---|---|
| With hinged vented door | 16.2" (412) | 17.5" (445) | 4.35" (111) | 5 | **NSOBXP14** |
| 14" height box only | 13.5" (343) | 17.1" (434) | 3.95" (100) | 5 | **NSOBXP14B** |
| Hinged vented door | 16.2" (412) | 17.5" (445) | 0.4" (10) | – | **NSOBXP14D** |



### 28-Inch Network Enclosure

| Description | Height Inches (mm) | Width Inches (mm) | Depth Inches (mm) | Module Unit Capacity | Catalog Number |
|---|---|---|---|---|---|
| With hinged vented door | 30" (762) | 17.5" (445) | 4.35" (111) | 11 | **NSOBXP28** |
| 28" height box only | 27.7" (704) | 17.1" (434) | 3.95" (100) | 11 | **NSOBXP28B** |
| Hinged vented door | 30" (762) | 17.5" (445) | 0.4" (10) | – | **NSOBXP28D** |



### 42-Inch Network Enclosure

| Description | Height Inches (mm) | Width Inches (mm) | Depth Inches (mm) | Module Unit Capacity | Catalog Number |
|---|---|---|---|---|---|
| With hinged, vented, 2-piece door | 45.1" (1146) | 17.5" (445) | 4.35" (111) | 16 | **NSOBXP42** |
| 42" height box only | 42.6" (1082) | 17.1" (434) | 3.95" (100) | 16 | **NSOBXP42B** |
| Hinged vented door (2-piece) | 45.1" (1146) | 17.5" (445) | 0.4" (10) | – | **NSOBXP42D** |



## Network Modules

### Features

netSELECT® Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- cULus Listed 1863
- All data and phone modules 568A wired




**NSOTVDM6**



**NSOPTM8**



**NSOETM8**



**NSODM8**



**NSOMTM24**




**NSOMTM12**

### Combination Modules

| Description | Units | Catalog Number |
|---|---|---|
| 6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package; perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network. | | |
| 6-port telephone and video | 3 | **NSOTVM6** |
| 6-port telephone, video and Category 5e | 3 | **NSOTVDM6** |
| 6-port Category 5e data upgrade kit | 3 | **NSODK6** |

### Primary Telephone Module

| Description | Units | Catalog Number |
|---|---|---|
| 8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions. | 1 | **NSOPTM8** |

### Expansion Telephone Module

| Description | Units | Catalog Number |
|---|---|---|
| 8-port adds an additional (8) phone outlets with up to (4) incoming lines when used with the primary telephone module; pre-mounted push pins snap the module quickly into place; includes RJ45 jumper cord to connect with NSOPTM8 primary telephone module. | 1 | **NSOETM8** |

### Data Modules

| Description | Units | Catalog Number |
|---|---|---|
| Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place. | 1 | **NSODM8** |
| Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications. | 1 | **NSODM8C6** |

### Patchable Telecom Module

| Description | Units | Catalog Number |
|---|---|---|
| Terminates lines via modular plug to accommodate flexibility, by changing plug locations; reconfigure where phone lines go at the panel level; allows data lines to be converted to voice, with the move of a patch cord; includes nine RJ45 jumper cords. | 2 | **NSOMTM24** |

### Multi-Provider Patchable Telcom Module

| Description | Units | Catalog Number |
|---|---|---|
| 12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection. | 1 | **NSOMTM12** |

## Audio/Video Modules

### Features

netSELECT® Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- cULus Listed 1863

### 4-Way Coaxial Splitter Modules

One incoming line, four outgoing.

| Description | Units | Catalog Number |
|---|---|---|
| 1GHz, basic unit | 1 | **NSOVM4** |
| 2.3GHz, enhanced capability | 1 | **NSOVM42G** |



**NSOVM4**

### 6-Way Coaxial Splitter Modules

One incoming line, six outgoing.

| Description | Units | Catalog Number |
|---|---|---|
| 1GHz, basic unit | 1 | **NSOVM6** |
| 2.3GHz, enhanced capability | 1 | **NSOVM62G** |



**NSOVM6**

### 8-Way Coaxial Splitter Modules

One incoming line, eight outgoing.

| Description | Units | Catalog Number |
|---|---|---|
| 1GHz, basic unit | 1 | **NSOVM8** |
| 2.3GHz, enhanced capability | 1 | **NSOVM82G** |



**NSOVM8**

### Fixed Video Amplifier Module

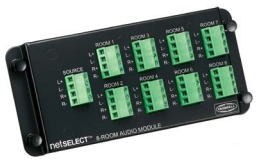
120 Volt rated

| Description | Units | Catalog Number |
|---|---|---|
| Provides 10dB video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low; provides 10dB forward path gain and supports current digital cable systems and modems with a passive return; pre-mounted push pins snap the module quickly into place; includes RG-59 cable jumper to connect amplifier to passive video splitter. | 1 | **NSOVAMP** |


**NSOVAMP**

### Eight Room Audio Module

| Description | Units | Catalog Number |
|---|---|---|
| Distributes audio from an amplifier to matching volume controllers; supports up to eight rooms of audio; power handling – 200W RMS@20° C; requires impedance matching volume controls (see page Y-24). | 1 | **NSOAM8** |


**NSOAM8**

### Blank Module Bracket

| Description | Units | Catalog Number |
|---|---|---|
| Allows mounting of active components (i.e. switches, routers) or other devices onto a modular platform; (2) VELCRO® brand fasteners included to mount components onto module; pre-mounted push pins snap the module quickly into place; 2-pack | 1 | **NSOBM2** |


**NSOBM2**

*VELCRO® is a registered trademark of Velcro Industries B.V.*

## Accessories

### Features

netSELECT® Accessories enhance system capabilities.
Volume controls expand home audio applications.
Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits



**NSOSAVC**



**NSORAVC**



**NSOKPS**



**FLOCK1**



**NSOFSB**



**FSPFP6X**



**FSPHD6X**

### Accessories

| Description | Color | Catalog Number |
|---|---|---|
| Slide Audio Volume Controller,<br>Decorator Styling,<br>Power handling - 70W RMS@20° C.<br>Impedance matching for up to 8 pairs of speakers.<br>Includes both ivory and white slides and frames. | Ivory/White | **NSOSAVC** |
| Rotary Audio Volume Controller<br>Power handling - 70W RMS@20° C.<br>Impedance matching for up to 8 pairs of speakers.<br>Includes both ivory and white knobs and frames. | Ivory/White | **NSORAVC** |
| Standard Power Kit,<br>Includes tamper-resistant duplex receptacle 15A 125V<br>NEMA 5-15R, electrical steel box and wallplate. | | **NSOKPTR** |
| Surge Suppression Power Kit,<br>Includes surge receptacle 15A 125V<br>NEMA 5-15R, 240 Joules/15,000A protection<br>per mode, electrical steel box and wallplate. | | **NSOKPS** |
| Chromed Steel Lock Kit,<br>Includes two keys.<br>Eliminates unwanted tampering. | | **FLOCK1** |
| Panel Bracket Adapter,<br>For use with Adapter Panels shown below, and FSP series modules. Snap mounts into structured cabling enclosures. | | **NSOFSB** |
| F-Connector Adapter Panel,<br>with Six Populated Coaxial Connectors. | | **FSPFP6X** |
| Jacks Adapter Panel,<br>with Six Blank Openings for jacks and snap fits. | | **FSPHD6X** |

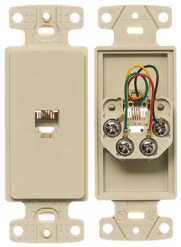
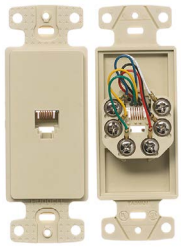
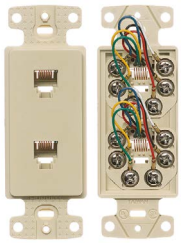
## Molded-In Voice/Data/Video

### Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Voice/Low-Speed Data

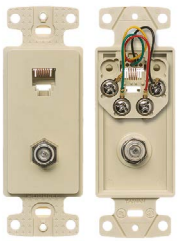

| Description | Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor | Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor | Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor | Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor |
|---|---|---|---|---|
| Color | Screw Terminations | Screw Terminations | Screw Terminations | 110 Punch-Down/Screw Terminations |
| Black | **NS770BK** | — | — | **NS784BK** |
| Brown | **NS770** | **NS771** | — | **NS784** |
| Gray | **NS770GY** | — | — | **NS784GY** |
| Ivory | **NS770I** | **NS771I** | **NS772I** | **NS784I** |
| Light Almond | **NS770LA** | **NS771LA** | **NS772LA** | **NS784LA** |
| White | **NS770W** | **NS771W** | **NS772W** | **NS784W** |

### Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Voice/Low-Speed Data


| Description | Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female | Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female | Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female |
|---|---|---|---|
| Color | Screw Terminations | Screw Terminations | 110 Punch-Down Terminations |
| Black | — | — | **NS785BK** |
| Brown | — | — | **NS785** |
| Gray | — | — | **NS785GY** |
| Ivory | — | — | — |
| Light Almond | **NS780LA** | **NS783LA** | **NS785LA** |
| White | **NS780W** | **NS783W** | **NS785W** |

## Molded-In Plates

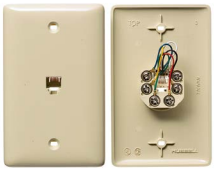
### Features

Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic wallplate
- Convenient screw down terminals
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Plates for Voice







| Description | 1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations | | 1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations | 1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations | |
|---|---|---|---|---|---|
| Color | Standard | Mid-Size | Standard | Standard | Mid-Size |
| Brown | **NS730** | — | **NS732** | — | — |
| Ivory | **NS730I** | **NS735I** | **NS732I** | **NS744I** | **NS745I** |
| Light Almond | **NS730LA** | **NS735LA** | **NS732LA** | — | — |
| White | **NS730W** | **NS735W** | **NS732W** | **NS744W** | **NS745W** |

### Molded-In Plates for Voice and CATV/Satellite









| Description | 1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 6-Conductor | | 1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 4-Conductor | 1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female | | 1-Gang Plate, Duplex F-Type Coupler Bulkhead, Female to Female |
|---|---|---|---|---|---|---|
| Color | Standard | Mid-Size | Standard | Standard | Mid-Size | Standard |
| Ivory | **NS748I** | **NS755I** | **NS747I** | **NS750I** | **NS751I** | **NS752I** |
| Light Almond | **NS748LA** | **NS755LA** | **NS747LA** | **NS750LA** | **NS751LA** | — |
| White | **NS748W** | **NS755W** | **NS747W** | **NS750W** | **NS751W** | **NS752W** |



| Description | 1-Gang Plate, One Cat. 5e 110 Punch-Down One RJ11 Jack, 6-Position, 4-Conductor One F-Type Coupler Bulkhead, Female to Female |
|---|---|
| Color | Standard |
| Black | **NS790BK** |
| Brown | **NS790** |
| Gray | **NS790GY** |
| Ivory | **NS790I** |
| Light Almond | **NS790LA** |
| White | **NS790W** |

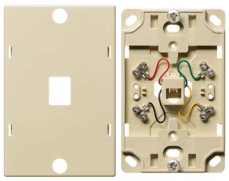
## Telephone Wall Jacks

### Features

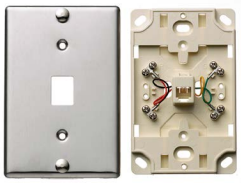
Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

### Telephone Wall Jacks



| Description | Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations |
|---|---|
| Ivory | **NS722I** |
| White | **NS722W** |



| Description | Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations |
|---|---|
| Stainless Steel | **NS726SS** |

### Features

Telephone surface mount jacks are available in 4 or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

### Telephone Surface Mount Jacks







| Description | Telephone Surface Mount Jack, 6-Position, 4-Conductor, Screw Terminations | Multimedia 1-Port Surface Mount Box, Jack Not Included | Multimedia 2-Port Surface Mount Box, Jacks Not Included |
|---|---|---|---|
| Black | — | **HSB1BK*** | **HSB2BK*** |
| Gray | — | **HSB1GY*** | **HSB2GY*** |
| Ivory | **NS760I** | **HSB1EI*** | **HSB2EI*** |
| Office White | — | **HSB1OW*** | **HSB2OW*** |
| White | **NS760W** | **HSB1W*** | **HSB2W*** |

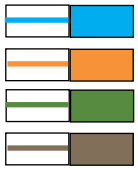
*Note: *cULus Listed 1863 - Communication Circuit Accessory.*
*See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.*

## Standard UTP Wiring Conventions

### Horizontal UTP Cable and Patch Cords

- Solid copper 4-pair #24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

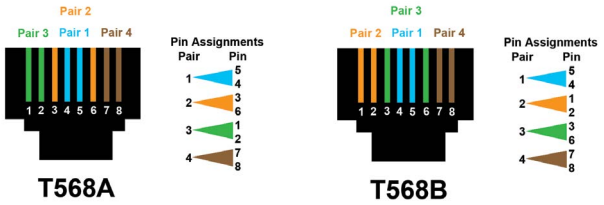
**COLOR CODING:**



white-blue/blue
white-orange/orange
white-green/green
white-brown/brown

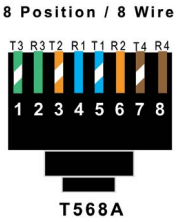
### Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.

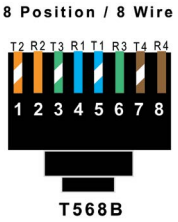



### RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.




- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors




- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

### LAN Wiring Conventions

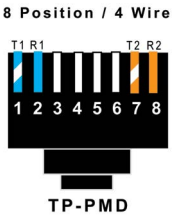
Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.




- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet




- 4/16 Mbps Token Ring over copper




- 100 Mbps FDDI over copper (pending)




- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs

# SECTION Z

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**Decorator Products**



**USB Charger Receptacles and Outlets**



**Power Delivery**




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## Products at a Glance



### Decorator Switches

- Smooth, quiet rocker
- Self-grounding feature is standard
- Nightlight version is available
- Ultrasonically welded cover and base
- Operating temperature : -20°C to 60°C
- UL Listed, CSA Certified



### Decorator Duplex Receptacles

- Self-grounding feature is standard
- Tamper and weather resistant availability
- Multiple-drive Slot/Phillips/ Robertson head screws
- Nightlight version is available
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

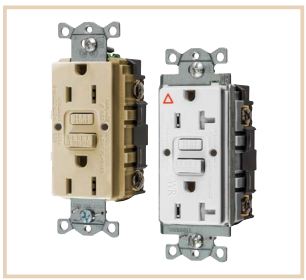


### USB Charger Receptacles

- Two USB ports 5 Amp, 5V DC
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- Standard and Hospital grade
- cULus listed to UL498 and UL1310

### 4 Port and 2 Port USB Outlets

- Switch activated port door; when open enables power; when closed, all power is switched OFF, for a “zero” no-load draw
- Shallow depth design for two port



### GFCI Receptacles

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



### Passive Infrared Wall Switches and Timers

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and Ashrae 90.1 compliant
- cULus



### Modular Snap Fit Jacks

- Customize the jack selections and look
- Molded-In voice/low-speed data, modular snap fit
- AV connectors, standard bulkhead
- AV connectors, recessed



### USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamperresistant receptacle with USB



### Power Delivery

- Hubbell Pop-Up receptacles for countertops provide a power source ideal for kitchen or bath counters and islands
- Round non-metallic floor boxes for concrete floors
- Height adjustable wood floor boxes
- Drop-In floor boxes are perfect for quick and easy installations
- Under cabinet/counter power distribution boxes can also be placed under counter islands or kitchen cabinets
- JLOAD® multimedia outlet Isolates low voltage and power in the same box

## Decorator Quiet Rocker Switches

# Decorator Products - Smart Style, Good Looks

Residential Decorator Switches and Receptacles provide solid, dependable performance and more. Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

### Single Pole Decorator Quiet Rocker Switches

| Description | Single Pole | Single Pole, Illuminated | Single Pole, Pilot Light | Single Pole with Nightlight | Single Pole with ON/OFF Marking |
|---|---|---|---|---|---|
| Termination | Self-Grounding, Push, Back and Side Wire | Self-Grounding, Push, Back and Side Wire | Self-Grounding, Push, Back and Side Wire | Self-Grounding, Push, Back and Side Wire | Self-Grounding, Push, Back and Side Wire |
| Rating | 15A 120-277V AC | 15A 120V AC | 15A 120V AC | 20A 120-277V AC | 15A 120-277V AC |
| Black | **RSD115BK** | — | — | **DS120NLBK**** | — |
| Brown | **RSD115** | — | — | **DS120NLBR**** | — |
| Gray | **RSD115GY** | — | — | **DS120NLGY**** | — |
| Ivory | **RSD115I** | **RSD115ILI*** | **RSD115PLI**** | **DS120NLIV**** | **RSD115IM** |
| Light Almond | **RSD115LA** | **RSD115ILLA*** | **RSD115PLLA**** | **DS120NLLA**** | **RSD115LAM** |
| White | **RSD115W** | **RSD115ILW*** | **RSD115PLW**** | **DS120NLWH**** | **RSD115WM** |

*Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.*
***Light glows through the top portion of the rocker when switch is in the OFF position. Requires a neutral wire.*

### Double Pole, Three Way and Four Way Decorator Quiet Rocker Switches

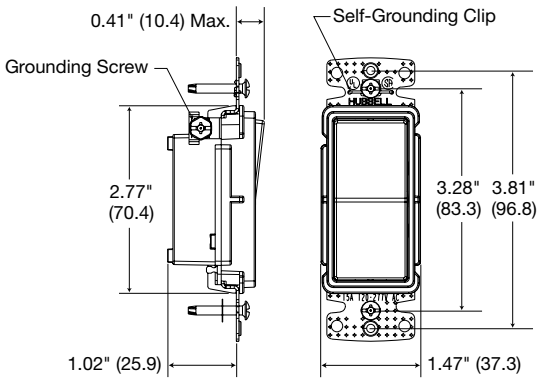
| Description | Double Pole | Three Way | Three Way, Illuminated | Four Way |
|---|---|---|---|---|
| Termination | Self-Grounding, Back and Side Wire | Self-Grounding, Push, Back and Side Wire | Self-Grounding, Push, Back and Side Wire | Self-Grounding, Back and Side Wire |
| Rating | 15A 120-277V AC | 15A 120-277V AC | 15A 120V AC | 15A 120-277V AC |
| Black | **RSD215BK** | **RSD315BK** | — | **RSD415BK** |
| Brown | **RSD215** | **RSD315** | — | **RSD415** |
| Gray | **RSD215GY** | **RSD315GY** | — | **RSD415GY** |
| Ivory | **RSD215I** | **RSD315I** | **RSD315ILI*** | **RSD415I** |
| Light Almond | **RSD215LA** | **RSD315LA** | **RSD315ILLA*** | **RSD415LA** |
| White | **RSD215W** | **RSD315W** | **RSD315ILW*** | **RSD415W** |

*Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.*

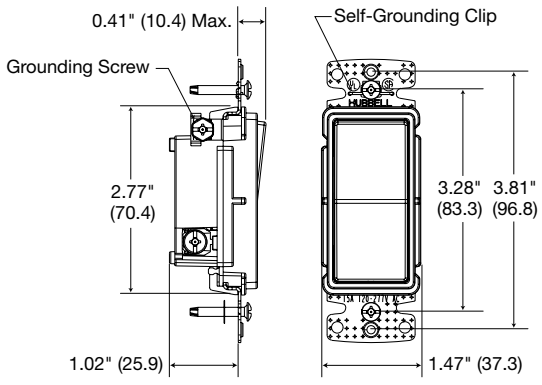
### Decorator Weatherproof Series

| Description | Color | Catalog Number |
|---|---|---|
| Style Line® rocker, weatherproof, self-grounding, 20A, 120/277V AC, back and side wire | Gray | **RSD120WPGY** |
| | Light Almond | **RSD120WPLA** |
| | White | **RSD120WPW** |

### Dimensions




**Single Pole Decorator Switch**




**Three Way Decorator Switch**



**RSD115W**



**RSD115PLW**



**DS120NLWH**



**RSD115WM**



**RSD120WPW**



**RSD215W**

*Dimensions in Inches (mm)*

## Decorator Combination Quiet Rocker Switches/Devices



RCD111W



RCD101W



RCD108W



RCD109W



DD100NLWH

*Dimensions in Inches (mm)*

### Features

- Low profile, less than 1 inch deep
- Self-grounding feature is standard
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

### Combination Quiet Rocker Switches/Devices

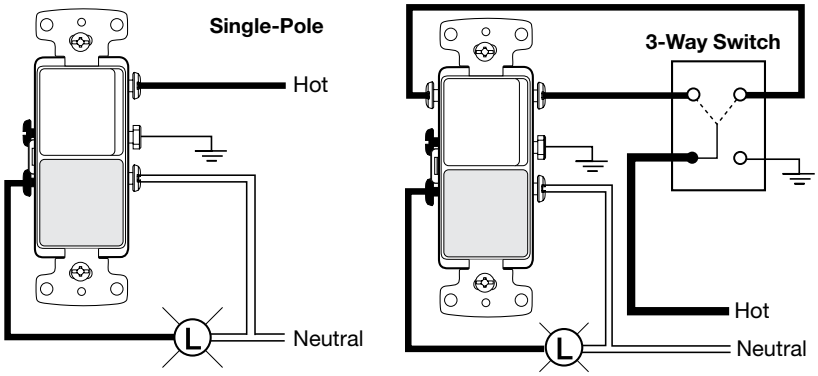
| Description | Three (3) Single Pole Switches | Two (2) Single Pole Switches | Single Pole and Three Way Switch | Single Pole Switch, 2 Pole, 3 Wire Receptacle |
|---|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 120-277V AC | 15A 120-277V AC | 15A 120-277V AC | 15A 120V (switch) 15A 125V (recept.) NEMA 5-15R |
| Black | — | **RCD101BK** | **RCD103BK** | **RCD108BK** |
| Gray | — | **RCD101GY** | **RCD103GY** | **RCD108GY** |
| Ivory | **RCD111I** | **RCD101I** | **RCD103I** | **RCD108I** |
| Light Almond | **RCD111LA** | **RCD101LA** | **RCD103LA** | **RCD108LA** |
| White | **RCD111W** | **RCD101W** | **RCD103W** | **RCD108W** |

| Description | TR* Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle | Two (2) Three Way Switches | TR* Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle |
|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 120V (switch) 15A 125V (recept.) NEMA 5-15R | 15A 120-277V AC | 15A 120V (switch) 15A 125V (recept.) NEMA 5-15R |
| Black | **RCD108BKTR** | **RCD303BK** | **RCD308BKTR** |
| Gray | **RCD108GYTR** | — | **RCD308GYTR** |
| Ivory | **RCD108ITR** | **RCD303I** | **RCD308ITR** |
| Light Almond | **RCD108LATR** | **RCD303LA** | **RCD308LATR** |
| White | **RCD108WTR** | **RCD303W** | **RCD308WTR** |

| Description | Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb | Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb | Nightlight Only |
|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, 6" Pre-wired Stranded Wire, ½" Stripped Ends |
| Rating | 15A 120V | 15A 120V | 120V |
| Ivory | **RCD109I**** | **RCD309I**** | **DD100NLIV**** |
| Light Almond | **RCD109LA**** | **RCD309LA**** | **DD100NLLA**** |
| White | **RCD109W**** | **RCD309W**** | **DD100NLWH**** |

*Note: See page Tech-10 for Tamper-Resistant description.*
***Requires neutral wire.*

### Pilot Light Wiring Diagram



## Decorator Weather Resistant, Tamper-Resistant, Standard and Single Receptacles

### Decorator Duplex Receptacles, 2 Pole, 3 Wire

| Description | Weather and Tamper-Resistant* | Tamper-Resistant* | Standard |
|---|---|---|---|
| Termination | Self-Grounding, Push and Side Wire | Self-Grounding, Push and Side Wire | Push and Side Wire |
| Rating | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R |
| Black | **RRD15SBKWRTR** | **RRD15SBKTR** | **RRD15BK** |
| Brown | **RRD15SWRTR** | **RRD15STR** | **RRD15** |
| Gray | **RRD15SGYWRTR** | **RRD15SGYTR** | **RRD15GY** |
| Ivory | **RRD15SIWRTR** | **RRD15SITR** | **RRD15I** |
| Light Almond | **RRD15SLAWRTR** | **RRD15SLATR** | **RRD15LA** |
| White | **RRD15SWWRTR** | **RRD15SWTR** | **RRD15W** |



**RRD15SWTR**

| Description | Tamper-Resistant, Nightlight Receptacle* |
|---|---|
| Termination | Self-Grounding, Two Nightlight Sources for 0.5 Lumens Total, Back and Side Wired |
| Rating | 15A 125V NEMA 5-15R |
| Black | — |
| Brown | — |
| Gray | — |
| Ivory | **DR15NLIV** |
| Light Almond | **DR15NLLA** |
| White | **DR15NLWH** |



**RRD15SW**



**DR15NLWH**

*Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.*
***100 per case, bulk packed. Mounting screws inserted into strap.*

### Decorator Single Receptacles, 2 Pole, 3 Wire

| Description | Tamper-Resistant* | Tamper-Resistant* |
|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 125V NEMA 5-15R | 20A 125V NEMA 5-20R |
| Black | **RRD151BKTR** | **RRD201BKTR** |
| Brown | **RRD151TR** | **RRD201TR** |
| Gray | **RRD151GYTR** | **RRD201GYTR** |
| Ivory | **RRD151ITR** | **RRD201ITR** |
| Light Almond | **RRD151LATR** | **RRD201LATR** |
| White | **RRD151WTR** | **RRD201WTR** |



**RRD151W**

| Description | Standard | Standard |
|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 250V NEMA 6-15R | 20A 250V NEMA 6-20R |
| Black | **RRD155BK** | **RRD205BK** |
| Brown | **RRD155** | **RRD205** |
| Gray | **RRD155GY** | **RRD205GY** |
| Ivory | **RRD155I** | **RRD205I** |
| Light Almond | **RRD155LA** | **RRD205LA** |
| White | **RRD155W** | **RRD205W** |



**RRD205W**

*Note: See page Tech-10 for Tamper-Resistant description.*

### Weather Resistant Recessed Receptacle with While-In Use Cover

| Description | Housing Color | Horizontal Mount | Vertical Mount |
|---|---|---|---|
| Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V | Gray | **RW15300GY** | **RW15400GY** |
| | White | **RW15300W** | **RW15400W** |
| | Brown | **RW15300BR** | **RW15400BR** |



**RW15400GY**

*Dimensions in Inches (mm)*

## Features and Benefits

### USB Charger Receptacles and Outlets

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

The 4 Port and 2 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

#### Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



**USB15AC5W**



**USB4ACW**



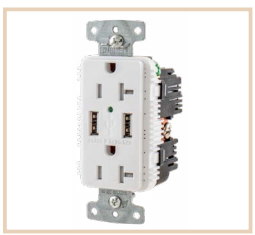
#### Type-C USB Charger

- Two Type-C port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



#### Type A&C USB Charger

- One Type A and one Type-C port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



#### Type A USB Charger

- Two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



#### USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamperresistant receptacle with USB



#### Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



#### 4 Port USB Charger

- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- Switch activated port door; when open enables power. When closed, all power is switched off, for a "zero" no-load draw



#### Switch Combo Outlets

- Two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/ 3-way switch

*Apple® is a registered trademark of Apple Inc.*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## USB Charger Receptacles and Outlets

### Wireless Chargers

| Description | Color | Rating | Receptacle | Catalog Number |
|---|---|---|---|---|
| Wireless wall mount phone charger | White | Coil: 7.5 watt inductive, 125V AC input | – | **USB1518** |



**USB1518**

### Combination Wireless Chargers

| Description | Color | Rating | Receptacle | Catalog Number |
|---|---|---|---|---|
| Combination wireless wall mount phone charger, inductive coil with USB Type A&C ports, and tamper-resistant receptacle | White | Coil: 7.5 watt inductive, USB: 5A 5V DC Input: 125V AC | 15A 125V<br>20A 125V | **USB1528AC**<br>**USB2028AC** |



**USB1528AC**

### Standard USB Charger Tamper-Resistant Duplex Receptacles

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

| Description | Color | 15A 125V | 20A 125V |
|---|---|---|---|
| Type-C USB Charger Receptacle, two Type-C port configurations, high power 5 Amp, 5 Volt USB output. | Black | **USB15C5BK** | **USB20C5BK** |
| | Brown | **USB15C5** | **USB20C5** |
| | Gray | **USB15C5GY** | **USB20C5GY** |
| | Ivory | **USB15C5I** | **USB20C5I** |
| | Light Almond | **USB15C5LA** | **USB20C5LA** |
| | White | **USB15C5W** | **USB20C5W** |
| Type A&C USB Charger Receptacle, one Type A and one Type-C port configuration, high power 5 Amp, 5 Volt USB output. | Black | **USB15AC5BK** | **USB20AC5BK** |
| | Brown | **USB15AC5** | **USB20AC5** |
| | Gray | **USB15AC5GY** | **USB20AC5GY** |
| | Ivory | **USB15AC5I** | **USB20AC5I** |
| | Light Almond | **USB15AC5LA** | **USB20AC5LA** |
| | White | **USB15AC5W** | **USB20AC5W** |
| Type A USB Charger Receptacle, two Type A port configurations, high power 5 Amp, 5 Volt USB output. | Black | **USB15A5BK** | **USB20A5BK** |
| | Brown | **USB15A5** | **USB20A5** |
| | Gray | **USB15A5GY** | **USB20A5GY** |
| | Ivory | **USB15A5I** | **USB20A5I** |
| | Light Almond | **USB15A5LA** | **USB20A5LA** |
| | White | **USB15A5W** | **USB20A5W** |



**USB15C5W**



**USB15AC5W**

*Note: See page Tech-10 for Tamper-Resistant description.*
*See section L for Hospital grade series.*

### 4 Port USB Charger Outlets

Intertek

| Description | Color | 4 Type A ports | 2 Type A and 2 Type-C ports | 4 Type-C ports |
|---|---|---|---|---|
| USB Charger Outlets, 4 USB ports, 5 Amp, 5 Volt DC, Style Line® decorator. | Black | **USB4BK** | **USB4ACBK** | **USB4CBK** |
| | Brown | **USB4** | **USB4AC** | **USB4C** |
| | Gray | **USB4GY** | **USB4ACGY** | **USB4CGY** |
| | Ivory | **USB4I** | **USB4ACI** | **USB4CI** |
| | Light Almond | **USB4LA** | **USB4ACLA** | **USB4CLA** |
| | White | **USB4W** | **USB4ACW** | **USB4CW** |



**USB20A5W**



**USB102W**

### Switch Combo Outlets

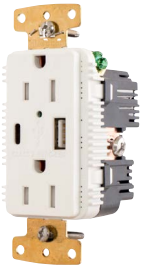
| Description | Color | Catalog Number |
|---|---|---|
| Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator | Black | **USB102BK** |
| | Brown | **USB102** |
| | Gray | **USB102GY** |
| | Ivory | **USB102I** |
| | Light Almond | **USB102LA** |
| | White | **USB102W** |



**USB4ACW**

### Weather Resistant USB Charger Duplex Receptacles

| Description | Color | 15A 125V | 20A 125V |
|---|---|---|---|
| Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade | Black | **USB15AC5BKWR** | **USB20AC5BKWR** |
| | Brown | **USB15AC5WR** | **USB20AC5WR** |
| | Gray | **USB15AC5GYWR** | **USB20AC5GYWR** |
| | Ivory | **USB15AC5IWR** | **USB20AC5IWR** |
| | Light Almond | **USB15AC5LAWR** | **USB20AC5LAWR** |
| | White | **USB15AC5WWR** | **USB20AC5WWR** |



**USB15AC5WWR**

*Note: Outdoor circuits should be GFCI protected per national and local electric codes.*

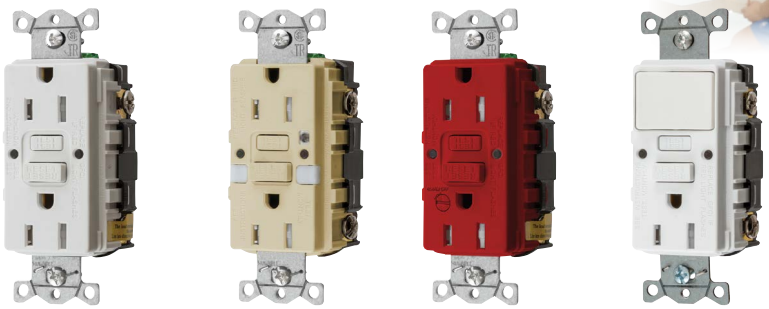
*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## GFCI Receptacles with Auto Grounding

### Features

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



### Tamper-Resistant

| Rating | Color | Standard | Night Light<br>Two LED Night Lights | Alarm | Combination Switch<br>15A 120V Switch |
|---|---|---|---|---|---|
| 15A 125V<br>NEMA 5-15R<br>UL CSA<br>0.5 HP | Almond | **GFTRST15AL** | **GFTRST15ALNL** | **GFTRST15ALB** | — |
| | Black | **GFTRST15BK** | **GFTRST15BKNL** | **GFTRST15BKB** | — |
| | Brown | **GFTRST15** | **GFTRST15NL** | **GFTRST15B** | — |
| | Gray | **GFTRST15GY** | **GFTRST15GYNL** | **GFTRST15GYB** | — |
| | Ivory | **GFTRST15I** | **GFTRST15INL** | **GFTRST15IB** | **GFSPST15I** |
| | Light Almond | **GFTRST15LA** | **GFTRST15LANL** | **GFTRST15LAB** | **GFSPST15LA** |
| | Red | **GFTRST15R** | **GFTRST15RNL** | **GFTRST15RB** | — |
| | White | **GFTRST15W** | **GFTRST15WNL** | **GFTRST15WB** | **GFSPST15W** |
| 20A 125V<br>NEMA 5-20R<br>UL CSA<br>1 HP | Almond | **GFTRST20AL** | **GFTRST20ALNL** | **GFTRST20ALB** | — |
| | Black | **GFTRST20BK** | **GFTRST20BKNL** | **GFTRST20BKB** | — |
| | Brown | **GFTRST20** | **GFTRST20NL** | **GFTRST20B** | — |
| | Gray | **GFTRST20GY** | **GFTRST20GYNL** | **GFTRST20GYB** | — |
| | Ivory | **GFTRST20I** | **GFTRST20INL** | **GFTRST20IB** | — |
| | Light Almond | **GFTRST20LA** | **GFTRST20LANL** | **GFTRST20LAB** | — |
| | Red | **GFTRST20R** | **GFTRST20RNL** | **GFTRST20RB** | — |
| | White | **GFTRST20W** | **GFTRST20WNL** | **GFTRST20WB** | — |



### Tamper-Resistant Weather Resistant

| Rating | Color | Standard | Isolated Ground |
|---|---|---|---|
| 15A 125V<br>NEMA 5-15R<br>UL CSA<br>0.5 HP | Almond | **GFTWRST15AL** | **GFTWRST15ALIG** |
| | Black | **GFTWRST15BK** | **GFTWRST15BKIG** |
| | Brown | **GFTWRST15** | **GFTWRST15IG** |
| | Gray | **GFTWRST15GY** | **GFTWRST15GYIG** |
| | Ivory | **GFTWRST15I** | **GFTWRST15IIG** |
| | Light Almond | **GFTWRST15LA** | **GFTWRST15LAIG** |
| | Red | **GFTWRST15R** | **GFTWRST15RIG** |
| | White | **GFTWRST15W** | **GFTWRST15WIG** |
| 20A 125V<br>NEMA 5-20R<br>UL CSA<br>1 HP | Almond | **GFTWRST20AL** | **GFTWRST20ALIG** |
| | Black | **GFTWRST20BK** | **GFTWRST20BKIG** |
| | Brown | **GFTWRST20** | **GFTWRST20IG** |
| | Gray | **GFTWRST20GY** | **GFTWRST20GYIG** |
| | Ivory | **GFTWRST20I** | **GFTWRST20IIG** |
| | Light Almond | **GFTWRST20LA** | **GFTWRST20LAIG** |
| | Red | **GFTWRST20R** | **GFTWRST20RIG** |
| | White | **GFTWRST20W** | **GFTWRST20WIG** |

*Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.*
*See section K for complete Hubbell GFCI offering.*

## Recessed Receptacles and AV Wallboxes

Hubbell has solutions for residential environments where wire management is a concern. Products sit flush against the wall and are available in multiple colors, creating an aesthetically pleasing look. Large connectors and cables are held securely and bundled together neatly. Wires are concealed behind the wall and out of view. Snap Fit options are used for customizing your connections.



Recessed Receptacle with Feed-Through

Metal Wallbox with Divider

### Features

#### Receptacles

- Snap Fit is configurable to accommodate multiple connectors such as: HDMI, AV and Voice/Low-speed data
- Feed-through options allows you to make direct connections

#### Boxes

- Available in plastic or metal boxes to accommodate local building requirements

## Recessed Receptacles



RR1510I



RR1512I



RR1514I

| Color | 15A 125V, Tamper-Resistant Duplex Receptacle | | |
|---|---|---|---|
| | 1-Gang | 2-Gang with Feed-Through | 2-Gang with Snap Fit |
| Ivory | **RR1510I** | **RR1512I** | **RR1514I** |
| Light Almond | **RR1510LA** | **RR1512LA** | **RR1514LA** |
| White | **RR1510W** | **RR1512W** | **RR1514W** |

## Feed-Through Plates



NSAV1I

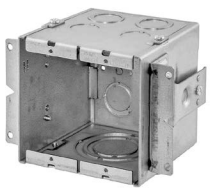


NSAV2I

| Color | 1-Gang | 2-Gang |
|---|---|---|
| Ivory | **NSAV1I*** | **NSAV2I*** |
| White | **NSAV1W*** | **NSAV2W*** |

*Note: *Not UL Listed.*

## Two and Three Gangable AV Wallboxes



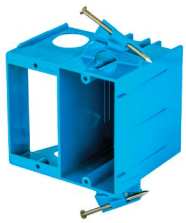
HBL985



HBL986



HBL989



RR1500

| Box | Dimensions | | | Top Knockouts | Bottom Knockouts | Back Knockouts | Catalog Number |
|---|---|---|---|---|---|---|---|
| | Height | Width | Depth | | | | |
| 2-Gang, 2" KO, 54 in³ capacity | 4.21" (107) | 4.06" (103) | 4.0" (102) | (2) ½"<br>(2) ½" – ¾" TKO* | (1) 1", 1¼", 1½" and 2" | (2) ½" – ¾" TKO | **HBL985** |
| 3-Gang, 2" KO, 79 in³ capacity | 4.21" (107) | 5.87" (149) | 4.0" (102) | (3) ½"<br>(3) ½" – ¾" TKO* | (1) ½", (1) ½" – ¾" TKO*<br>(1) 1", 1¼", 1½" and 2" | (3) ½" – ¾" TKO | **HBL986** |

*Note: *TKO (Tangential Knockout).*

## Wallbox

| Description | Color | Catalog Number |
|---|---|---|
| 2-Gang, nail-on box, thermoplastic | Blue | **RR1500** |

## Low Voltage AV Wallbox Partitions

| Compatible With | Description | Quantity | Catalog Number |
|---|---|---|---|
| HBL985 and HBL986 | Solid divider | 1 | **HBL989** |
| | With pass-through capability | 1 | **HBL989AVD** |

*Dimensions in Inches (mm)*

## Decorator Frames and Modular Snap Fit Jacks

### Decorator Frames









| Color | 1-Gang, 1-Port | 1-Gang, 2-Port | 1-Gang, 3-Port | 1-Gang, 4-Port | 1-Gang, 6-Port | 1-Gang, Adapter .406" (10.30) Dia. Hole* | 1-Gang, Adapter Blank** |
|---|---|---|---|---|---|---|---|
| Black | **NS611BK** | **NS612BK** | **NS613BK** | **NS614BK** | **NS616BK** | — | **NS620BK** |
| Gray | **NS611GY** | **NS612GY** | **NS613GY** | **NS614GY** | **NS616GY** | — | **NS620GY** |
| Ivory | **NS611I** | **NS612I** | **NS613I** | **NS614I** | **NS616I** | **NS621I** | **NS620I** |
| Light Almond | **NS611LA** | **NS612LA** | **NS613LA** | **NS614LA** | **NS616LA** | **NS621LA** | **NS620LA** |
| White | **NS611W** | **NS612W** | **NS613W** | **NS614W** | **NS616W** | **NS621W** | **NS620W** |

*Note: *For use with rotary dimmers or to pull through AV or telephone cable.*
***To fill an extra decorator opening or to create customized openings.*

### Molded-In Voice/Low-Speed Data - Modular Snap Fit





| Color | Category 6 Jack (single) | Category 6 Jack (25 pack) | Category 5e Jack (single) | Category 5e Jack (25 pack) | USOC Jack (single) |
|---|---|---|---|---|---|
| Black | **NSJ6BK** | **NSJ6BK25** | **NSJ5EBK** | **NSJ5EBK25** | **NSJUBK** |
| Blue | **NSJ6B** | **NSJ6B25** | **NSJ5EB** | **NSJ5EB25** | **NSJUB** |
| Gray | **NSJ6GY** | **NSJ6GY25** | **NSJ5EGY** | **NSJ5EGY25** | **NSJUGY** |
| Green | **NSJ6GN** | **NSJ6GN25** | **NSJ5EGN** | **NSJ5EGN25** | **NSJUGN** |
| Ivory | **NSJ6I** | **NSJ6I25** | **NSJ5EI** | **NSJ5EI25** | **NSJUI** |
| Light Almond | **NSJ6LA** | **NSJ6LA25** | **NSJ5ELA** | **NSJ5ELA25** | **NSJULA** |
| Orange | **NSJ6OR** | **NSJ6OR25** | **NSJ5EOR** | **NSJ5EOR25** | **NSJUOR** |
| Red | **NSJ6R** | **NSJ6R25** | **NSJ5ER** | **NSJ5ER25** | **NSJUR** |
| White | **NSJ6W** | **NSJ6W25** | **NSJ5EW** | **NSJ5EW25** | **NSJUW** |
| Yellow | **NSJ6Y** | **NSJ6Y25** | **NSJ5EY** | **NSJ5EY25** | **NSJUY** |

### HDMI 1.4 Connectors



| Color | HDMI Keystone Feed-Through for IMB and ISFB Series |
|---|---|
| Black | **SFHC14BK** |
| White | **SFHC14W** |

### Audio/Video Connectors - Standard Bulkhead









| Color | Nickel F-Type Coupler Bulkhead, Female to Female | Gold F-Type Coupler Bulkhead, Female to Female | RCA Gold Pass-Through, Female to Female, Red Interior | RCA Gold Pass-Through, Female to Female, White Interior | RCA Gold Pass-Through, Female to Female, Yellow Interior | RCA Gold Pass-Through, Female to Female, Blue Interior | RCA Gold Pass-Through, Female to Female, Green Interior |
|---|---|---|---|---|---|---|---|
| Black | **NSF70BK** | **SFFGBK** | **SFRCRFFBK** | **SFRCWFFBK** | **SFRCYFFBK** | **SFRCBFFBK** | **SFRCGNFFBK** |
| Gray | **NSF70GY** | **SFFGGY** | **SFRCRFFGY** | **SFRCWFFGY** | **SFRCYFFGY** | **SFRCBFFGY** | **SFRCGNFFGY** |
| Ivory | **NSF70I** | **SFFGEI** | **SFRCRFFEI** | **SFRCWFFEI** | **SFRCYFFEI** | **SFRCBFFEI** | **SFRCGNFFEI** |
| Light Almond | **NSF70LA** | **SFFGLA** | **SFRCRFFLA** | **SFRCWFFLA** | **SFRCYFFLA** | **SFRCBFFLA** | **SFRCGNFFLA** |
| White | **NSF70W** | **SFFGW** | **SFRCRFFW** | **SFRCWFFW** | **SFRCYFFW** | **SFRCBFFW** | **SFRCGNFFW** |

### Audio/Video Connectors - Recessed









| Color | Gold F-Type Coupler Bulkhead, Female to Female | RCA Gold Pass-Through, Female to Female, Red Interior | RCA Gold Pass-Through, Female to Female, White Interior | RCA Gold Pass-Through, Female to Female, Yellow Interior | RCA Gold Pass-Through, Female to Female, Blue Interior | RCA Gold Pass-Through, Female to Female, Green Interior | Blank Insert |
|---|---|---|---|---|---|---|---|
| Black | **SFGRFBK** | **SFRCRRBK** | **SFRCWRBK** | **SFRCYRBK** | **SFRCBRBK** | **SFRCGNRBK** | **SFSBBK10*** |
| Gray | **SFGRFGY** | **SFRCRRGY** | **SFRCWRGY** | **SFRCYRGY** | **SFRCBRGY** | **SFRCGNRGY** | **SFSBGY10*** |
| Ivory | **SFGRFEI** | **SFRCRREI** | **SFRCWREI** | **SFRCYREI** | **SFRCBREI** | **SFRCGNREI** | **SFSBEI10*** |
| Light Almond | **SFGRFLA** | **SFRCRRLA** | **SFRCWRLA** | **SFRCYRLA** | **SFRCBRLA** | **SFRCGNRLA** | **SFSBLA10*** |
| White | **SFGRFW** | **SFRCRRW** | **SFRCWRW** | **SFRCYRW** | **SFRCBRW** | **SFRCGNRW** | **SFSBW10*** |

*Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.*

*Dimensions in Inches (mm)*

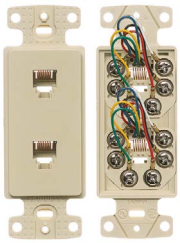
## Molded-In Voice/Data/Video

### Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Voice/Low-Speed Data

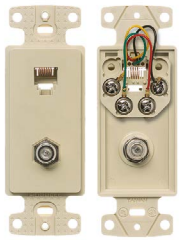
| Description | Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor | Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor | Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor | Decorator Frame, One Cat. 5e One RJ11 Jack, 6-Position, 4-Conductor |
|---|---|---|---|---|
| Termination | Screw Terminations | Screw Terminations | Screw Terminations | 110 Punch-Down |
| |  |  |  |  |
| Color | | | | |
| Black | **NS770BK** | — | — | **NS784BK** |
| Brown | **NS770** | **NS771** | — | **NS784** |
| Gray | **NS770GY** | — | — | **NS784GY** |
| Ivory | **NS770I** | **NS771I** | **NS772I** | **NS784I** |
| Light Almond | **NS770LA** | **NS771LA** | **NS772LA** | **NS784LA** |
| White | **NS770W** | **NS771W** | **NS772W** | **NS784W** |

### Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Voice/Low-Speed Data

| Description | Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female | Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female | Decorator Frame, One Cat. 5e One F-Type Coupler Bulkhead, Female to Female |
|---|---|---|---|
| Termination | Screw Terminations | Screw Terminations | 110 Punch-Down |
| |  |  |  |
| Color | | | |
| Black | — | — | **NS785BK** |
| Brown | — | — | **NS785** |
| Gray | — | — | **NS785GY** |
| Ivory | **NS780I** | **NS783I** | **NS785I** |
| Light Almond | **NS780LA** | **NS783LA** | **NS785LA** |
| White | **NS780W** | **NS783W** | **NS785W** |

*Dimensions in Inches (mm)*

## Plastic and Metal Wallplates

### More Style In a Snap

Snap-on wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting plate onto the device and press the snap-on cover into place. Snaps securely hold the cover to the sub-plate.

- Clean, elegant look
- No visible screws
- Snap-on cover plate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on cover plate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

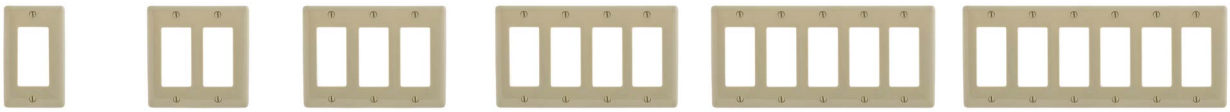



### Snap-On Wallplates



| Color | 1-Gang, 1-Decorator | 1-Gang, 1-Duplex | 1-Gang, 1-Toggle | 2-Gang, 2-Decorator | 2-Gang, 2-Toggle | 3-Gang, 3-Decorator | 3-Gang, 3-Toggle | 4-Gang, 4-Decorator |
|---|---|---|---|---|---|---|---|---|
| Ivory | **NPS26I** | **NPS8I** | **NPS1I** | **NPS262I** | **NPS2I** | **NPS263I** | **NPS3I** | **NPS264I** |
| Light Almond | **NPS26LA** | **NPS8LA** | **NPS1LA** | **NPS262LA** | **NPS2LA** | **NPS263LA** | **NPS3LA** | **NPS264LA** |
| White | **NPS26W** | **NPS8W** | **NPS1W** | **NPS262W** | **NPS2W** | **NPS263W** | **NPS3W** | **NPS264W** |

### Decorator, Screw-On, Standard, Nylon Wallplates



| Color | 1-Gang, 1-Decorator | 2-Gang, 2-Decorator | 3-Gang, 3-Decorator | 4-Gang, 4-Decorator | 5-Gang, 5-Decorator | 6-Gang, 6-Decorator |
|---|---|---|---|---|---|---|
| Black | **NP26BK** | **NP262BK** | **NP263BK** | **NP264BK** | **NP265BK** | **NP266BK** |
| Brown | **NP26** | **NP262** | **NP263** | **NP264** | **NP265** | **NP266** |
| Gray | **NP26GY** | **NP262GY** | **NP263GY** | **NP264GY** | **NP265GY** | **NP266GY** |
| Ivory | **NP26I** | **NP262I** | **NP263I** | **NP264I** | **NP265I** | **NP266I** |
| Light Almond | **NP26LA** | **NP262LA** | **NP263LA** | **NP264LA** | **NP265LA** | **NP266LA** |
| White | **NP26W** | **NP262W** | **NP263W** | **NP264W** | **NP265W** | **NP266W** |

### Decorator, Screw-On, Mid-Size, Nylon Wallplates

| Color | 1-Gang, 1-Decorator | 2-Gang, 2-Decorator | 3-Gang, 3-Decorator | 4-Gang, 4-Decorator | 5-Gang, 5-Decorator | 6-Gang, 6-Decorator |
|---|---|---|---|---|---|---|
| Black | **NPJ26BK** | **NPJ262BK** | **NPJ263BK** | **NPJ264BK** | — | — |
| Brown | **NPJ26** | **NPJ262** | **NPJ263** | **NPJ264** | — | — |
| Gray | **NPJ26GY** | **NPJ262GY** | **NPJ263GY** | **NPJ264GY** | — | — |
| Ivory | **NPJ26I** | **NPJ262I** | **NPJ263I** | **NPJ264I** | — | — |
| Light Almond | **NPJ26LA** | **NPJ262LA** | **NPJ263LA** | **NPJ264LA** | — | — |
| White | **NPJ26W** | **NPJ262W** | **NPJ263W** | **NPJ264W** | — | — |

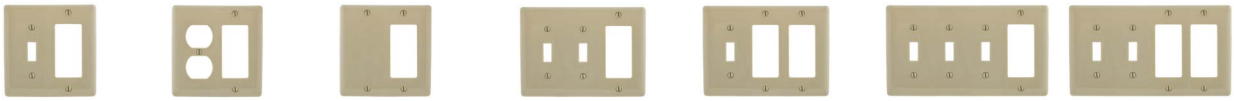
### Decorator, Screw-On, Mid-Size, Metal Wallplates

| Material | 1-Gang, 1-Decorator | 2-Gang, 2-Decorator | 3-Gang, 3-Decorator | 4-Gang, 4-Decorator | 5-Gang, 5-Decorator | 6-Gang, 6-Decorator |
|---|---|---|---|---|---|---|
| Brass | **SB26** | **SB262** | — | — | — | — |
| Brass Plated | **SBP26** | **SBP262** | **SBP263** | — | — | — |
| Chrome | **SCH26** | **SCH262** | — | — | — | — |
| S/S 302/304 | **SS26** | **SS262** | **SS263** | **SS264** | **SS265** | **SS266** |
| S/S 430 | **SS26L** | **SS262L** | — | — | — | — |

*Note: See section O for complete selection of wallplates.*

## Combination Wallplates

### Combination, Nylon, Standard Wallplates



| Color | 2-Gang, 1-Toggle 1-Decorator | 2-Gang, 1-Duplex, 1-Decorator | 2-Gang, 1-Blank Box Mount 1-Decorator | 3-Gang, 2-Toggle 1-Decorator | 3-Gang, 1-Toggle 2-Decorator | 4-Gang, 3-Toggle 1-Decorator | 4-Gang, 2-Toggle 2-Decorator |
|---|---|---|---|---|---|---|---|
| Black | **NP126BK** | **NP826BK** | **NP1326BK** | **NP226BK** | **NP1262BK** | **NP326BK** | **NP2262BK** |
| Brown | **NP126** | **NP826** | **NP1326** | **NP226** | **NP1262** | **NP326** | **NP2262** |
| Gray | **NP126GY** | **NP826GY** | **NP1326GY** | **NP226GY** | **NP1262GY** | **NP326GY** | **NP2262GY** |
| Ivory | **NP126I** | **NP826I** | **NP1326I** | **NP226I** | **NP1262I** | **NP326I** | **NP2262I** |
| Light Almond | **NP126LA** | **NP826LA** | **NP1326LA** | **NP226LA** | **NP1262LA** | **NP326LA** | **NP2262LA** |
| White | **NP126W** | **NP826W** | **NP1326W** | **NP226W** | **NP1262W** | **NP326W** | **NP2262W** |

### Combination, Nylon, Mid-Size Wallplates

| Color | 2-Gang, 1-Toggle 1-Decorator | 2-Gang, 1-Duplex, 1-Decorator | 2-Gang, 1-Blank Box Mount 1-Decorator | 3-Gang, 2-Toggle 1-Decorator | 3-Gang, 1-Toggle 2-Decorator | 4-Gang, 3-Toggle 1-Decorator | 4-Gang, 2-Toggle 2-Decorator |
|---|---|---|---|---|---|---|---|
| Black | **NPJ126BK** | **NPJ826BK** | — | **NPJ226BK** | — | — | — |
| Brown | **NPJ126** | **NPJ826** | **NPJ1326** | **NPJ226** | — | — | — |
| Gray | **NPJ126GY** | **NPJ826GY** | — | **NPJ226GY** | — | — | — |
| Ivory | **NPJ126I** | **NPJ826I** | **NPJ1326I** | **NPJ226I** | — | — | — |
| Light Almond | **NPJ126LA** | **NPJ826LA** | **NPJ1326LA** | **NPJ226LA** | — | — | — |
| White | **NPJ126W** | **NPJ826W** | **NPJ1326W** | **NPJ226W** | — | — | — |

### Combination, Standard, Metal Wallplates

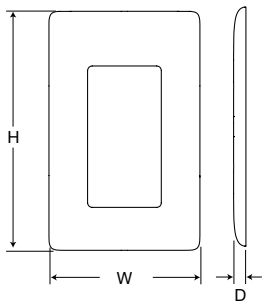


| Material | 2-Gang, 1-Toggle 1-Decorator | 2-Gang, 1-Duplex, 1-Decorator | 2-Gang, 1-Blank Strap Mount 1-Decorator | 3-Gang, 2-Toggle 1-Decorator | 3-Gang, 1-Toggle 2-Decorator | 4-Gang, 3-Toggle 1-Decorator | 4-Gang, 2-Toggle 2-Decorator |
|---|---|---|---|---|---|---|---|
| Brass | **SB126** | **SB826** | — | — | — | — | — |
| Brass Plated | **SBP126** | — | — | — | — | — | — |
| Chrome | — | — | — | — | — | — | — |
| SS 302/304 | **SS126** | **SS826** | **SS1426** | **SS226** | — | **SS326** | — |
| SS 430 | **SS126L** | — | — | — | — | — | — |

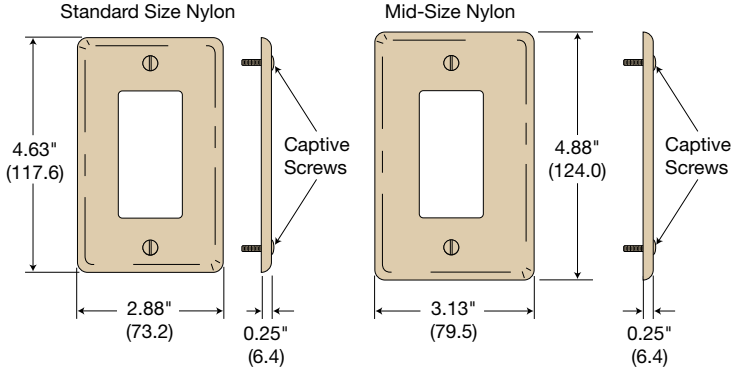
*Note: See section O for complete selection of wallplates.*

### Dimensions

Snap-On Cover Plate




| Gang | Height (H) | Width (W) | Depth (D) |
|---|---|---|---|
| 1 | 4.75" (120.6) | 3.00" (76.2) | .25" (6.2) |
| 2 | 4.75" (120.6) | 4.81" (122.2) | .25" (6.2) |
| 3 | 4.75" (120.6) | 6.62" (168.2) | .25" (6.2) |
| 4 | 4.75" (120.6) | 8.44" (214.3) | .25" (6.2) |




*Dimensions in Inches (mm)*

## Toggle Switches

### Features

Standard toggle switches provide the basic ON/OFF control for home lighting and appliances.

- Tough thermoplastic with ultrasonically welded cover and base
- Elongated strap for easier wall box mounting
- Quiet snap action mechanism
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



**RS115W**

### Single Pole Toggle Switches

| Description | Single Pole | Single Pole, Illuminated |
|---|---|---|
| Termination | Grounding, Push and Side Wire | Self-Grounding, Push and Side Wire |
| Rating | 15A 120V AC | 15A 120V AC |
| |  |  |
| Color | | |
| Clear | — | **RS115ILC** |
| Black | **RS115BK** | — |
| Brown | **RS115** | — |
| Ivory | **RS115I** | **RS115ILI*** |
| Light Almond | **RS115LA** | **RS115ILLA*** |
| White | **RS115W** | **RS115ILW*** |

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

### Three and Four Way Toggle Switches

| Description | Three Way | Three Way, Illuminated | Four Way |
|---|---|---|---|
| Termination | Grounding, Push and Side Wire | Self-Grounding, Push and Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 120V AC | 15A 120V AC | 15A 120V AC |
| |  |  |  |
| Color | | | |
| Clear | — | **RS315ILC** | — |
| Black | **RS315BK** | — | — |
| Brown | **RS315** | — | **RS415** |
| Ivory | **RS315I** | **RS315ILI*** | **RS415I** |
| Light Almond | **RS315LA** | **RS315ILLA*** | **RS415LA** |
| White | **RS315W** | **RS315ILW*** | **RS415W** |

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

*Dimensions in Inches (mm)*

## Combination Switches/Devices

### Features

Mini-toggles provide for multiple switches in a compact single gang. Maximize control while maintaining function and appearance.

- Low profile, less than 1 inch
- Self-grounding feature is standard
- Combination devices provide compact switches in a single-gang opening
- Smooth toggle action
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



**RC108I**

### Combination Toggle Switches/Devices

| Description | Two (2) Single Pole Switches | Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle | Single Pole Switch, 2 Pole, 3 Wire, Receptacle | Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb* |
|---|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 120V AC | 15A 120V (switch)<br>15A 125V (recept.)<br>NEMA 5-15R | 15A 120V (switch)<br>15A 125V (recept.)<br>NEMA 5-15R | 15A 120V AC |
| |  |  |  |  |
| Color | | | | |
| Brown | **RC101** | **RC108TR** | **RC108** | **RC109** |
| Ivory | **RC101I** | **RC108ITR** | **RC108I** | **RC109I** |
| Light Almond | **RC101LA** | **RC108LATR** | **RC108LA** | **RC109LA** |
| White | **RC101W** | **RC108WTR** | **RC108W** | **RC109W** |

*Note: See page Tech-10 for Tamper-Resistant description.*
**Neutral required for pilot light, see page Z-4 for wiring diagram.*

### Combination Toggle Switches/Devices

| Description | Single Pole and Three Way Switch | Two (2) Three Way Switches | Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle | Three Way Switch, 2 Pole, 3 Wire, Receptacle | Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb* |
|---|---|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 120V AC | 15A 120V AC | 15A 120V (switch)<br>15A 125V (recept.)<br>NEMA 5-15R | 15A 120V (switch)<br>15A 125V (recept.)<br>NEMA 5-15R | 15A 120V AC |
| |  |  |  |  |  |
| Color | | | | | |
| Brown | **RC103** | **RC303** | **RC308TR** | **RC308** | **RC309** |
| Ivory | **RC103I** | **RC303I** | **RC308ITR** | **RC308I** | **RC309I** |
| Light Almond | **RC103LA** | **RC303LA** | **RC308LATR** | — | — |
| White | **RC103W** | **RC303W** | **RC308WTR** | **RC308W** | **RC309W** |

*Note: See page Tech-10 for Tamper-Resistant description.*
**Neutral required for pilot light, see page Z-4 for wiring diagram.*

*Dimensions in Inches (mm)*

## XClamp and Duplex Receptacles

### Features

- Eliminates the need to loop the wire
- External back-wire clamp for fast and easy installation of 15A & 20A branch circuits in residential applications
- Compression plates maximize holding power to provide a stronger, more secure connection
- Terminate up to 8 wires
- Accomodates #12 & #14 AWG wire
- Break-off tabs for switched receptacle applications
- Tamper-resistant shutter complies with NEC®

## *Best Solution for Residential 15A & 20A Branch Circuit Wiring*

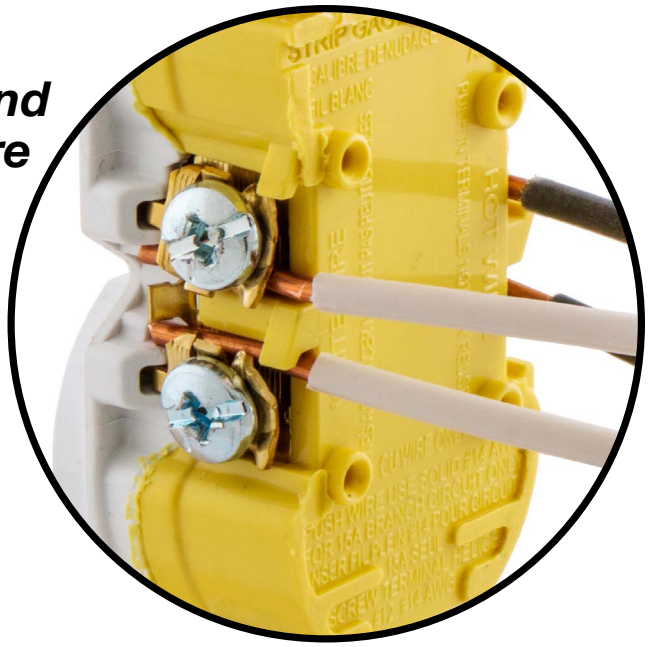
XCLAMP
*External Clamping*

**1** **Strip** the wire

**2** **Insert** the wire

**3** **Clamp** the connection

***Fast and Secure***





**RR15SWTRX**

### XClamp Duplex Receptacles

| Description | Color | Catalog Number |
|---|---|---|
| Tamper-Resistant, 15A 125V, 2 Pole, 3 Wire Grounding, 20A Circuit Rated | Ivory | **RR15SITRX** |
| | Light Almond | **RR15SLATRX** |
| | White | **RR15SWTRX** |

### Listings

UL listed to UL498 File No. E2186
Certified to CSA C22.2, No. 42
NEMA® WD-6 Compliant



**RR15W**



**RR15QW**

### Duplex Receptacles, 2 Pole, 3 Wire

| Description | TR Tamper-Resistant, Quick Thread | Standard | WR TR Weather and Tamper-Resistant | TR Tamper-Resistant |
|---|---|---|---|---|
| Termination | Self-Grounding, Push and Side Wire | Grounding, Push and Side Wire | Self-Grounding, Push and Side Wire | Self-Grounding, Push and Side Wire |
| Rating | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R |
| Black | — | **RR15BK** | **RR15SBKWRTR** | **RR15SBKTR** |
| Brown | — | **RR15** | **RR15SWRTR** | **RR15STR** |
| Gray | — | — | **RR15SGYWRTR** | — |
| Ivory | **RR15QITR** | **RR15I** | **RR15SIWRTR** | **RR15SITR** |
| Light Almond | **RR15QLATR** | **RR15LA** | **RR15SLAWRTR** | **RR15SLATR** |
| White | **RR15QWTR** | **RR15W** | **RR15SWWRTR** | **RR15SWTR** |

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Singles, Range and Dryer Power Receptacles and Plugs

### Single Receptacles, 2 Pole, 3 Wire

| Description | Weather and Tamper-Resistant | Tamper-Resistant | Standard | Weather Resistant | Standard |
|---|---|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R | 15A 125V NEMA 5-15R | 15A 250V NEMA 6-15R | 15A 250V NEMA 6-15R |
| Black | **RR151BKWRTR** | **RR151BKTR** | **RR151BK** | **RR155BKWR** | **RR155BK** |
| Brown | **RR151WRTR** | **RR151TR** | **RR151** | **RR155WR** | **RR155** |
| Gray | **RR151GYWRTR** | **RR151GYTR** | **RR151GY** | **RR155GYWR** | **RR155GY** |
| Ivory | **RR151IWRTR** | **RR151ITR** | **RR151I** | **RR155IWR** | **RR155I** |
| Light Almond | **RR151LAWRTR** | **RR151LATR** | **RR151LA** | **RR155LAWR** | **RR155LA** |
| White | **RR151WWRTR** | **RR151WTR** | **RR151W** | **RR155WWR** | **RR155W** |



**RR151W**

| Description | Weather and Tamper-Resistant | Tamper-Resistant | Standard | Weather Resistant | Standard |
|---|---|---|---|---|---|
| Termination | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire | Self-Grounding, Side Wire |
| Rating | 20A 125V NEMA 5-20R | 20A 125V NEMA 5-20R | 20A 125V NEMA 5-20R | 20A 250V NEMA 6-20R | 20A 250V NEMA 6-20R |
| Black | **RR201BKWRTR** | **RR201BKTR** | **RR201BK** | **RR205BKWR** | **RR205BK** |
| Brown | **RR201WRTR** | **RR201TR** | **RR201** | **RR205WR** | **RR205** |
| Gray | **RR201GYWRTR** | **RR201GYTR** | **RR201GY** | **RR205GYWR** | **RR205GY** |
| Ivory | **RR201IWRTR** | **RR201ITR** | **RR201I** | **RR205IWR** | **RR205I** |
| Light Almond | **RR201LAWRTR** | **RR201LATR** | **RR201LA** | **RR205LAWR** | **RR205LA** |
| White | **RR201WWRTR** | **RR201WTR** | **RR201W** | **RR205WWR** | **RR205W** |



**RR201W**

*Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.*

### Range and Dryer Power Receptacles



**RR430FW**

| Description | 30A 125/250V NEMA 14-30R UL/CSA | 50A 125/250V NEMA 14-50R UL/CSA | 30A 125/250V NEMA 10-30R UL/CSA | 50A 125/250V NEMA 10-50R UL/CSA |
|---|---|---|---|---|
| | Flush Mount for 1- or 2-Gang Box | Flush Mount for 1- or 2-Gang Box | Flush Mount for 1- or 2-Gang Box | Flush Mount for 1- or 2-Gang Box |
| Rating | 30A 125/250V 3 Pole, 4 Wire with Ground | 50A 125/250V 3 Pole, 4 Wire with Ground | 30A 125/250V 3 Pole, 3 Wire without Ground | 50A 125/250V 3 Pole, 3 Wire without Ground |
| Black | **RR430F** | **RR450F** | **RR330F*** | **RR350F*** |
| White | **RR430FW** | **RR450FW** | — | — |



**RR450**

| Description | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
|---|---|---|---|---|
| Rating | 30A 125/250V 3 Pole, 4 Wire with Ground | 50A 125/250V 3 Pole, 4 Wire with Ground | 30A 125/250V 3 Pole, 3 Wire without Ground | 50A 125/250V 3 Pole, 3 Wire without Ground |
| Black | **RR430** | **RR450** | **RR330*** | **RR350*** |

| Description | Panel Mount | Panel Mount | Panel Mount | Panel Mount |
|---|---|---|---|---|
| Rating | 30A 125/250V 3 Pole, 4 Wire with Ground | 50A 125/250V 3 Pole, 4 Wire with Ground | — | — |
| Black | **RR430PM** | **RR450PM** | — | — |



**RR430PM**

*Note: *For replacement use only.*

### Range and Dryer Power Angled Plugs

| Description | 30A 125/250V NEMA 14-30R UL/CSA; 50A 125/250V NEMA 14-50R UL/CSA | 30A 125/250V NEMA 10-30R UL/CSA; 50A 125/250V NEMA 10-50R UL/CSA |
|---|---|---|
| | With Interchangeable Blades for 30 or 50 Amp | With Interchangeable Blades for 30 or 50 Amp |
| Rating | 30/50A 125/250V 3 Pole, 4 Wire with Ground | 30/50A 125/250V 3 Pole, 3 Wire without Ground |
| Black | **RR435P** | **RR335P** |



**RR435P**

## Special Use Products



RW15400GY

### Weather Resistant Recessed Receptacle with While-In Use Cover

| Description | Housing Color | Horizontal Mount | Vertical Mount |
|---|---|---|---|
| Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V | Gray | **RW15300GY** | **RW15400GY** |
| | White | **RW15300W** | **RW15400W** |
| | Brown | **RW15300BR** | **RW15400BR** |



RR151CHWTR



RR1510W



RJ650BKTR



Dividers



RJ600

### Special Use Products

| Description | Color | Tamper-Resistant (15A 125V NEMA 5-15R UL/CSA) | Tamper-Resistant (20A 125V NEMA 5-20R UL/CSA) |
|---|---|---|---|
| Clock Hanger/Recessed Single Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations | Brass | **RR151CHBSTR** | **RR201CHBSTR** |
| | Stainless Steel | **RR151CHSSTR** | **RR201CHSSTR** |
| | Ivory (Nylon) | **RR151CHITR** | **RR201CHITR** |
| | White (Nylon) | **RR151CHWTR** | **RR201CHWTR** |
| Recessed Duplex Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations | Ivory | **RR1510I** | — |
| | Light Almond | **RR1510LA** | — |
| | White | **RR1510W** | — |
| JLOAD® Multimedia Outlet, Provides power, Cat. 5e and coaxial in a single gang box. Requires RJ600 Box. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*. | Black | **RJ650BKTR** | **RJ620BKTR** |
| | Gray | **RJ650GYTR** | **RJ620GYTR** |
| | Ivory | **RJ650ITR** | **RJ620ITR** |
| | Light Almond | **RJ650LATR** | **RJ620LATR** |
| | White | **RJ650WTR** | **RJ620WTR** |
| JLOAD® Multimedia Outlet, Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*. | Black | **RJ65BKTR** | **RJ62BKTR** |
| | Gray | **RJ65GYTR** | **RJ62GYTR** |
| | Ivory | **RJ65ITR** | **RJ62ITR** |
| | Light Almond | **RJ65LATR** | **RJ62LATR** |
| | White | **RJ65WTR** | **RJ62WTR** |
| JLOAD® Multimedia Box, 3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud. | Steel | **RJ600** | **RJ600** |

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*

*See page Z-10 for snap fit inserts.*
*See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.*
*See page Tech-10 for Tamper-Resistant description.*



RS100W



RS101W

### In-Line Cord Switches

| Description | Mini For Use with Flat Lamp Cord | Heavy Duty |
|---|---|---|
| Rating | 6A 125V AC | 6A 125V AC, 1/6 HP |
| Wire | #18 AWG SPT 1 and SPT 2 | #18 to #16 AWG SPT 1 and SPT 2 |
| Ivory | — | **RS101I** |
| White | **RS100W** | **RS101W** |

*Dimensions in Inches (mm)*

## Dimmers and Fan Speed Controls

### Features

Standard rocker, toggle, slide and rotary styles for any interior design.

- Optimum CFL and LED Control
- Low End Adjustment for Fine Tuning
- For single-pole and 3-way applications
- Decorator and Traditional Toggle Styling Available
- Ivory, Light Almond, and White available for all SKUs
- No Neutral Required
- 0-10V Low Voltage loads supported with Decorator and Rocker styles



**LCD300DW**



**LCD150SW**



**LCD150TW**



**LCD0108SW**

### LED/CFL Dimmers

| Description | Color | Rocker Dimmer | Slide Dimmer | Toggle Dimmer |
|---|---|---|---|---|
| LED/CFL 200W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way | Ivory | **LCD150DI** | **LCD150SI** | – |
| | Light Almond | **LCD150DLA** | **LCD150SLA** | – |
| | White | **LCD150DW** | **LCD150SW** | – |
| LED/CFL 150W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way | Ivory | – | – | **LCD150TI** |
| | Light Almond | – | – | **LCD150TLA** |
| | White | – | – | **LCD150TW** |
| LED/CFL 300W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way, with indicator light | Ivory | **LCD300DI** | – | – |
| | Light Almond | **LCD300DLA** | – | – |
| | White | **LCD300DW** | – | – |

### Low Voltage Dimmers

| Description | Color | Rocker Dimmer | Slide Dimmer |
|---|---|---|---|
| 01-10V Low Voltage Loads, 10 A @120V AC, 5 A @277V AC, 60Hz, single pole/three way | Ivory | **LCD0108DI** | **LCD0108SI** |
| | Light Almond | **LCD0108DLA** | **LCD0108SLA** |
| | White | **LCD0108DW** | **LCD0108SW** |

### Fan Speed Controls, 3 Speed

| Description | Toggle | Rotary ON/OFF Knobs Provided |
|---|---|---|
| Termination | Single Pole/Three Way | Single Pole |
| Rating | 1.5A 120V AC | 1.5A 120V AC |
| Ivory | **RAYFSQFI** | — |
| Light Almond | **RAYFSQFLA** | — |
| White | **RAYFSQFW** | — |
| Ivory/White | — | **RFSQ2FDK** |

### Replacement Knobs

| Rotary Fan Control Replacement Knobs |
|---|
| – |
| – |
| **R28032406** |
| — |
| **R28032401** |
| — |



**R28032401**

**R28032406**



**RFSQ2FDK**

### Fan Speed Controls, 3 Speed

| Description | Rocker Slide Adjustment | Slide Control Slide to OFF |
|---|---|---|
| Termination | Single Pole/Three Way | Single Pole |
| Rating | 1.5A 120V AC | 1.5A 120V AC |
| Ivory | **RDVFSQFI** | **RSFSQFI** |
| Light Almond | **RDVFSQFLA** | **RSFSQFLA** |
| White | **RDVFSQFW** | **RSFSQFW** |

### Replacement Knobs

| Slide Control Replacement Knobs |
|---|
| – |
| – |
| **RSKI** |
| **RSKLA** |
| **RSKW** |



**RSKW**

**RSKI**



**RSFSQFW**

## Wall Switches and Digital Timer



WS2000W



WS1000NW



WS1020W



DT5030W



DT2000W

### Passive Infrared Wall Switches

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and ASHRAE 90.1 compliant
- cULus

| Description | Color | Standard | with Nightlight | with Neutral | with Nightlight and Neutral |
|---|---|---|---|---|---|
| Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable. | Gray | **WS2000GY** | **WS2000NGY** | — | — |
| | Ivory | **WS2000I** | **WS2000NI** | **WS2004I** | **WS2004NI** |
| | Light Almond | **WS2000LA** | **WS2000NLA** | — | — |
| | White | **WS2000W** | **WS2000NW** | **WS2004W** | **WS2004NW** |
| Manual adjusting; selectable manual/auto ON operation; 120V AC only. | Ivory | **WS1000I** | **WS1000NI** | — | — |
| | Light Almond | **WS1000LA** | **WS1000NLA** | — | — |
| | White | **WS1000W** | **WS1000NW** | — | — |
| Manual adjusting; manual ON operation; 120V AC only. | Ivory | **WS1001I** | **WS1001NI** | — | — |
| | Light Almond | **WS1001LA** | **WS1001NLA** | — | — |
| | White | **WS1001W** | **WS1001NW** | — | — |
| Manual adjusting; auto ON operation; dual circuit; 120V AC only. | Gray | **WS1020GY** | **WS1020NGY** | — | — |
| | Ivory | **WS1020I** | **WS1020NI** | **WS1024I** | **WS1024NI** |
| | Light Almond | **WS1020LA** | **WS1020NLA** | **WS1024LA** | **WS1024NLA** |
| | White | **WS1020W** | **WS1020NW** | **WS1024W** | **WS1024NW** |
| Manual adjusting; manual ON operation; dual circuit; 120V AC only. | Gray | **WS1021GY** | **WS1021NGY** | — | — |
| | Ivory | **WS1021I** | **WS1021NI** | **WS1025I** | **WS1025NI** |
| | Light Almond | **WS1021LA** | **WS1021NLA** | **WS1025LA** | **WS1025NLA** |
| | White | **WS1021W** | **WS1021NW** | **WS1025W** | **WS1025NW** |

*Note: See below for coverage patterns.*

### Count Down Timer Wall Switch

| Description | Color | 30 Minutes: OFF, 5, 10, 20, 30 | 60 Minutes: OFF, 15, 30, 45, 60 | 12 Hours: OFF, 2, 4, 8, 12 |
|---|---|---|---|---|
| 1000W @ 120V AC and 1400W @ 277V AC. | Ivory | **DT5030I** | **DT5060I** | **DT5012I** |
| | Light Almond | **DT5030LA** | **DT5060LA** | **DT5012LA** |
| | White | **DT5030W** | **DT5060W** | **DT5012W** |

*Note: Neutral required.*

### Digital Timer Wall Switch

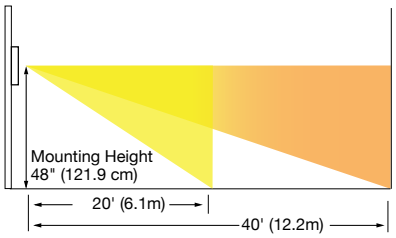
| Description | Color | 120V AC | 277V AC | Catalog Number |
|---|---|---|---|---|
| Dip switch enabled preset intervals. User adjustable 1 min up to 4 hours, 3-way capable. Includes an ON/OFF momentary push button switch feature. | White | 960W | 1200W | **DT2000W** |

*Note: Neutral required.*

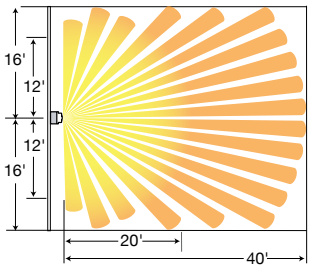
### Wall Switches Coverage Patterns

**Minor Motion:** PIR **Major Motion:** PIR

**Vertical Coverage**




**Horizontal Coverage**




**WS1000, WS2000 SERIES**

## Floor Boxes for Concrete Floors

Residential Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed.



**RF406BK**
with **RF400**

### Features

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Self height and leveling ring, no adjustments
- Pre-assembled flange, cover and leveling ring for quick installation
- Parallel PVC hubs for 1 inch and ¾ inch conduit
- Recessed GFCI/decorator opening
- Tamper-Resistant duplex receptacle included
- UL listed floor box

## Floor Boxes for Concrete Floors

| Description | Rating | Material/Color | Catalog Number |
|---|---|---|---|
| Flange and Hinged Door Cover Assembly. Includes tamper-resistant duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation. | 15A 125V NEMA 5-15R | Brushed Aluminum<br>Brushed Brass Plated<br>Solid Brass<br>Almond<br>Black<br>Chestnut Brown<br>Gray | **RF406ALU**<br>**RF406BP**<br>**RF406BR**<br>**RF406AL**<br>**RF406BK**<br>**RF406BN**<br>**RF406GY** |
| Flush fit cover for hardwood and tile floors (similar to above). | | Solid Brass | **RF409BR** |
| PVC Floor Box with Concrete Protective Cover. Accepts ¾ in. and 1.0 in. schedule 40 and schedule 80 PVC conduit. Includes round box (47/8 in. diameter x 6.0 in. deep), four reducers, closure plugs, and concrete cover with locator flag. | | Gray | **RF400** |
| Hinged Nylon Replacement Door Cover. Includes neoprene gasket to seal plug openings. Replacement cover for RF406 series. | | Solid Brass<br>Almond<br>Black | **RF407BR**<br>**RF407AL**<br>**RF407BK** |
| Low Voltage Divider. For use in PVC box RF400, when JLOAD® Multimedia Outlet is used. | | Gray | **RF408** |



**RF406ALU**



**RF409BR**



**RF408**

## Adjustable Non-Metallic Concrete Floor Box Stand

| Description | Color | Catalog Number |
|---|---|---|
| PVC floor box stand, adjusts up to 4 inches. | White | **PFBSTAND** |



**PFBSTAND**

## JLOAD® Multimedia Outlet - See page Z-27 for Features

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

| Description | Color | Tamper-Resistant | Tamper-Resistant |
|---|---|---|---|
| JLOAD® Multimedia Outlet. Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*. | Black<br>Gray<br>Ivory<br>Light Almond<br>White | **RJ650BKTR**<br>**RJ650GYTR**<br>**RJ650ITR**<br>**RJ650LATR**<br>**RJ650WTR** | **RJ620BKTR**<br>**RJ620GYTR**<br>**RJ620ITR**<br>**RJ620LATR**<br>**RJ620WTR** |
| JLOAD® Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*. | Black<br>Gray<br>Ivory<br>Light Almond<br>White | **RJ65BKTR**<br>**RJ65GYTR**<br>**RJ65ITR**<br>**RJ65LATR**<br>**RJ65WTR** | **RJ62BKTR**<br>**RJ62GYTR**<br>**RJ62ITR**<br>**RJ62LATR**<br>**RJ62WTR** |



**RJ650BKTR**

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
*See page Z-10 for snap fit inserts.*
*See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.*
*See page Tech-10 for Tamper-Resistant description.*

## Floor Boxes for Wood Floors

Hubbell Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Specifically designed for use with structural wood floors. The boxes are height adjustable (up to ¾ inch) for optimal alignment and fit.

### Features

- Available surface mount or flush fit
- Pre-assembled flange and cover for fast installation
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Low voltage divider optional provides for power and voice/data in a compact space
- Height accessible adjustments after the box is mounted
- Back and side knockouts for proper wiring access
- Recessed receptacle minimizes plug protrusion; allowing furniture to be located over the plug
- Top screw fastening and side joist mounting provided

*Note: Template cutout provided with instructions for proper installation.*



**RF509BR, RJ650BKTR, RF500** with Divider

### The Right Choice for that Perfect Finishing Touch!



Solid Brass | Brass Plated | Chrome Plated | Copper Plated | Nickel Plated | Stainless Finish | Almond | Black | Chestnut Brown

*Note: Not all configurations are available in all colors. See below for details.*



**RF515BR**



**RF509BR**



**RF500**



**RF507BR**

### Floor Boxes for Structural Wood Floors

| Description | Material | Finish | Catalog No. | Material | Finish | Catalog No. |
|---|---|---|---|---|---|---|
| Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists. | Solid Brass | Clear Lacquer | **RF515BR** | Aluminum | Brass Plated | **RF515BP** |
| | Aluminum | Stainless Paint | **RF515SS** | Aluminum | Chrome Plated | **RF515CH** |
| | Aluminum | Almond Paint | **RF515AL** | Aluminum | Copper Plated | **RF515CU** |
| | Aluminum | Black Paint | **RF515BK** | Aluminum | Nickel Plated | **RF515NI** |
| | Aluminum | Chestnut Brown Paint | **RF515BN** | | | |
| Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500. | Solid Brass | Clear Lacquer | **RF506BR** | Aluminum | Brass Plated | **RF506BP** |
| | Aluminum | Stainless Paint | **RF506SS** | Aluminum | Chrome Plated | **RF506CH** |
| | Aluminum | Almond Paint | **RF506AL** | Aluminum | Copper Plated | **RF506CU** |
| | Aluminum | Black Paint | **RF506BK** | Aluminum | Nickel Plated | **RF506NI** |
| | Aluminum | Chestnut Brown Paint | **RF506BN** | | | |
| Flush fit cover for hardwood and tile floors (similar to above). | Solid Brass | Clear Lacquer | **RF509BR** | | | |
| Adjustable floor box; 3 inch deep; three (3) ½ inch knockouts: one on bottom; one on each side; non-metallic sheathed cable clamps on each side. | | | | Steel | — | **RF500** |
| Hinged Door Cover Only Replacement door for RF515, RF509 and RF506 series. | Solid Brass | Solid Brass | **RF507BR** | Aluminum | Brass Plated | **RF507BP** |
| | Aluminum | Stainless Finish | **RF507SS** | Aluminum | Chrome Plated | **RF507CH** |
| | Aluminum | Almond | **RF507AL** | Aluminum | Copper Plated | **RF507CU** |
| | Aluminum | Black | **RF507BK** | Aluminum | Nickel Plated | **RF507NI** |
| | Aluminum | Chestnut Brown Paint | **RF507BN** | | | |

## Floor Boxes for Wood Floors

### Features

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

- Low profile, solid brass flange and cover
- Cut out template provided to assure proper sub-flooring preparation
- Line and low voltage options
- 2½ inch hole, ample wiring room
- For use with single or feed through service



RF151R

### Drop-In Floor Box

Drop-In Floor Boxes are perfect for quick and easy installation of power or low voltage. Simply cut a hole between the floor and joists and drop through. The flange lip holds it in place.

### Floor Boxes for Wood Floors

| Description | Material | 15A 125V NEMA 5-15R UL/CSA Catalog Number | 20A 125V NEMA 5-20R UL/CSA Catalog Number |
|---|---|---|---|
| Drop In Floor Box<br>Mounts in 2½ inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/data video ports. Suitable for feed through circuitry. Impact resistant box. | Solid Brass | **RF151R** | **RF201R** |
| Duplex Receptacle Floor Box Rated<br>Includes steel box, duplex TR receptacle and cover. | Solid Brass | **RF6500BR** | — |
| Single Receptacle Floor Box Rated<br>Includes steel box, single receptacle and cover. | Solid Brass | **RF151TR** | — |
| Single Receptacle Display Rated<br>Receptacle and cover only, excludes box. | Solid Brass | **RF151DTR** | — |

*Note: See page Tech-10 for Tamper-Resistant description.*



RF151R



RF6500BR



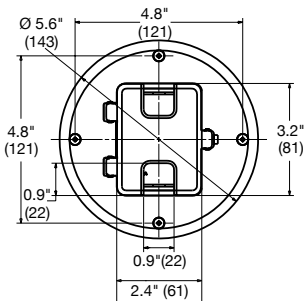
RF151TR

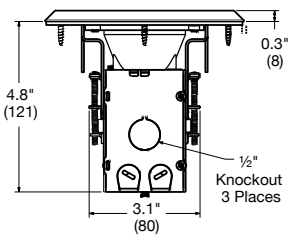


RF151DTR

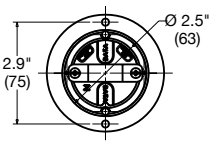
### Dimensions

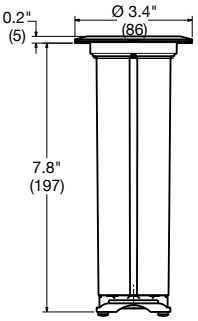
#### Wood Floor Boxes




#### Drop-In Floor Box




*Dimensions in Inches (mm)*

## Countertop Receptacles

Hubbell Pop-Up Receptacles for countertops provide a power source ideal for kitchen and bath counters and islands. Hubbell is the first to market a countertop receptacle that is UL Listed. It allows compliance with NEC® 406.5(E) [countertops], 406.5(F) [work surfaces], and 406.5(H) [seating areas]. Pop-Up Receptacles are tested and water resistant to a half gallon spill. The receptacles feature Hubbell's patent pending silicone gaskets and patented cam action tamper-resistant technology. The compact design minimizes space required on the countertop as well as underneath in the cabinet area.

### Features

- Surface or flush mount options
- Self sealing silicone gaskets at the receptacle face
- Compact design
- Permanent installation ready (suitable for MC cable or non-metallic sheath cable)
- Seven different finishes available
- Features two water and tamper-resistant receptacles
- Easy push down to pop-up function is rated for a minimum of 10,000 cycles (OPEN/CLOSE)
- Easy installation - simply drop in and tighten
- c UL us Listed



## Because Spills Happen



***Hubbell Countertop Receptacles are Spill Test Compliant***

Hubbell Countertop Receptacles are the first pop-up receptacles UL listed for countertop applications and permanent installations.

**UL 498 Section 146**
Built and listed to be water resistant to a half gallon of liquid spilled on the device.

**NEC 406.5(E)**
*Receptacle assemblies for installation in countertop surfaces shall be listed for countertop application.*

**NEC 406.5(E) "Receptacles in Countertops"**
*For a receptacle to meet this requirement it must be part of a listed assembly for use in countertops*

- *— May be exposed to a larger liquid spill*
- *— Can also be installed in work surfaces*
- *— Must be GFCI protected surface*

**NEC 406.5(F) "Receptacles in Work Surfaces"**
*For a receptacle to meet this requirement it must be part of a listed assembly for use in work surfaces*

- *— Does not require as high of a spill rating*
- *— Cannot be used in countertop applications*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Countertop Receptacles

| Description | Finish | Color/Material | 15A 125V Receptacle Surface Mount | 15A 125V Receptacle Flush Mount | 20A 125V Receptacle Surface Mount | 20A 125V Receptacle Flush Mount |
|---|---|---|---|---|---|---|
| Tamper-resistant pop-up kitchen counter receptacle, rated for 20A circuits Cover: machined aluminum, wiring chamber accepts ½" MC or non-metallic sheath cable | Powder Coated | Black | **RCT200BK** | **RCT201BK** | **RCT220BK** | **RCT221BK** |
| | | White | **RCT200W** | **RCT201W** | **RCT220W** | **RCT221W** |
| | | Bronze | **RCT200BZE** | **RCT201BZE** | **RCT220BZE** | **RCT221BZE** |
| | Brushed | Aluminum | **RCT200ALU** | **RCT201ALU** | **RCT220ALU** | **RCT221ALU** |
| | | Brass | **RCT200BR** | **RCT201BR** | **RCT220BR** | **RCT221BR** |
| | | Nickel | **RCT200NI** | **RCT201NI** | **RCT220NI** | **RCT221NI** |
| | Polished | Chrome | **RCT200CH** | **RCT201CH** | **RCT220CH** | **RCT221CH** |



**RCT200BK**



Brushed Aluminum



Brushed Brass



Brushed Nickel



Polished Chrome



Matte Bronze



Powder Coated Black



Powder Coated White

| Description | Finish | Color/Material | | | | |
|---|---|---|---|---|---|---|
| Tri-Power AC, includes: tamper-resistant pop-up kitchen counter receptacle, USB Type AC and wireless inductive, rated for 20A circuits Cover: machined aluminum, wiring chamber accepts ½" MC or non-metallic sheath cable; surface mount only | Powder Coated | Black | **RCT600BK** | — | **RCT620BK** | — |
| | | White | **RCT600W** | — | **RCT620W** | — |
| | | Bronze | **RCT600BZE** | — | **RCT620BZE** | — |
| | Brushed | Aluminum | **RCT600ALU** | — | **RCT620ALU** | — |
| | | Brass | **RCT600BR** | — | **RCT620BR** | — |
| | | Nickel | **RCT600NI** | — | **RCT620NI** | — |
| | Polished | Chrome | **RCT600CH** | — | **RCT620CH** | — |



**RCT221ALU**



**RCT600NI**

## Customizable Color Kits

### Installable in surface mount option only, available in 7 different finishes



Aluminum w/Black, Gray or White



Brass w/ Black, Gray or White



Nickel w/ Black, Gray or White





Bronze w/ Black, Gray or White



Chrome w/ Black, Gray or White



Black w/Black



White w/ White

*Note: Recommended to be fed by a GFCI circuit, up to 20 Amp Service.*

*Dimensions in Inches (mm)*

## Under Cabinet/Counter Power Distribution

### Features

These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.

- Available with nylon or metal cover
- Custom configurable, accepts any decorator style device
- Mounting hardware included
- UL Listed and CSA Certified under cabinet boxes





**RU100W**



**RU200SS**

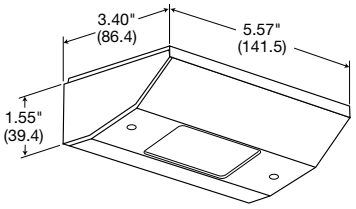
### Under Cabinet/Counter Power Distribution

| Description | Material | Catalog Number |
|---|---|---|
| Slim Box | Stainless Steel | **RU100SS** |
| | White Metal | **RU100W** |
| | White Nylon | **RU170W*** |
| GFCI Fit Box | Stainless Steel | **RU200SS** |
| | White Metal | **RU200W** |
| | White Nylon | **RU270W*** |

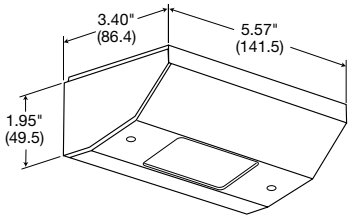
*Note: *Steel box with nylon cover.*

### Dimensions

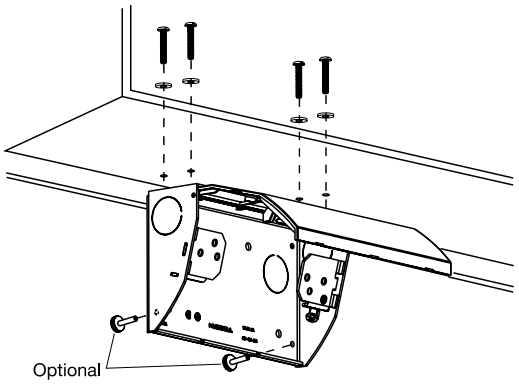
#### Slim Box



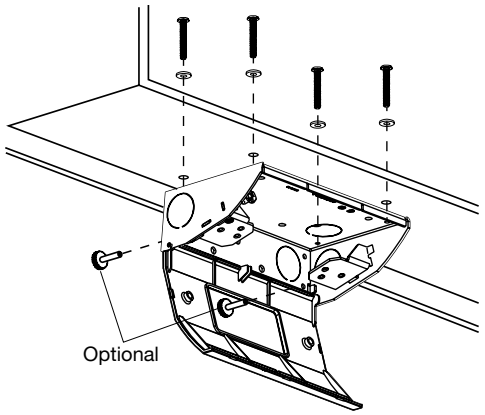

#### GFCI Fit Box




#### Vertical Mount




#### Horizontal Mount




*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## JLOAD® Multimedia Outlet

### Make the Most of a Perfect Location

Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.

### Features

- Accepts any snap fit jack configuration (see page Z10)
- Isolates low voltage and power in the same box
- Custom box mounting
- Provides for data, telephone and coaxial
- Available in 15 or 20 Amp



*Note: Requires unique box shown below.*

**RJ620WTR**



**RJ620WTR**



**RJ62WTR**



**Dividers**



**RJ600**

*Dimensions in Inches (mm)*

### Special Use Products



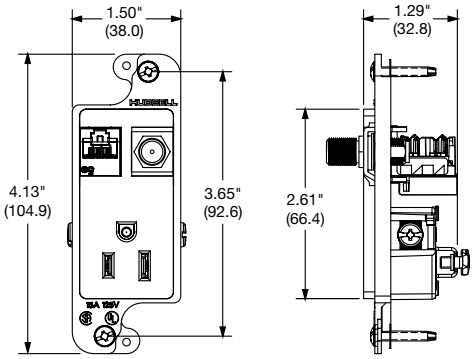




| Description | Color | Tamper-Resistant | Tamper-Resistant |
|---|---|---|---|
| JLOAD® Multimedia Outlet<br>Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD® Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*. | Black<br>Gray<br>Ivory<br>Light Almond<br>White | **RJ650BKTR**<br>**RJ650GYTR**<br>**RJ650ITR**<br>**RJ650LATR**<br>**RJ650WTR** | **RJ620BKTR**<br>**RJ620GYTR**<br>**RJ620ITR**<br>**RJ620LATR**<br>**RJ620WTR** |
| JLOAD® Multimedia Outlet<br>Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*. | Black<br>Gray<br>Ivory<br>Light Almond<br>White | **RJ65BKTR**<br>**RJ65GYTR**<br>**RJ65ITR**<br>**RJ65LATR**<br>**RJ65WTR** | **RJ62BKTR**<br>**RJ62GYTR**<br>**RJ62ITR**<br>**RJ62LATR**<br>**RJ62WTR** |
| JLOAD® Multimedia Box<br>3 inches deep with seven ½-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud. | Steel | **RJ600** | **RJ600** |

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
*See page Z-10 for snap fit inserts.*
*See pages Z-21 to Z-26 for floor boxes and under cabinet power distribution options.*
*See page Tech-10 for Tamper-Resistant description.*

### Dimensions



## Decorator Switches - Technical Information

### Features

- Smooth, quiet rocker action
- Self-grounding feature standard
- Ultrasonically welded cover and base provides maximum strength
- Push, back and side wiring
- Available colors: Black, Brown, Gray, Ivory, Light Almond and White



**RSD115W**

### Specifications

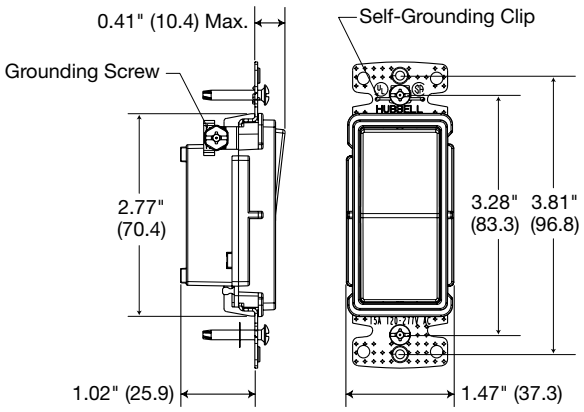
| Switches | Component | Material |
|---|---|---|
| Typical Specification — Catalog Number **RSD115xx** | Base and body | PVC |
| Description — Decorator series rocker switch | Rocker | Polycarbonate |
| Type — Single Pole | Terminals | Brass |
| Rating — 15A, 120-277V AC | Mounting strap | Galvanized steel |
| Certification — Listed to UL Standard 20 | Contacts | Silver alloy |
| CSA Certified | Movable contact arm | Copper alloy |
| | Terminal screws | Steel |

*Note:* **xx** *= Color:* ***BK*** *(Black), Blank (Brown),* ***GY*** *(Gray),* ***I*** *(Ivory),* ***LA*** *(Light Almond), and* ***W*** *(White).*

### Performance

| Electrical | |
|---|---|
| Dielectric voltage | Withstands 1,500V AC minimum for 1 minute. |
| Max. working voltage | 120V. |
| Overload | 1.5 times rating. |
| Endurance | 30,000 cycles minimum. |
| **Mechanical** | |
| Terminal accommodation | Back and side wire: #14 AWG min. - #12 AWG max. solid and stranded copper wire only; push wire: #14 AWG solid copper wire only. |
| **Environmental** | |
| Flammability | UL V0. |
| Operating temperatures | Maximum continuous 60°C; minimum -20°C (without impact). |

### Dimensions




**Single-Pole Decorator Switch**

*Dimensions in Inches (mm)*

# SECTION AA

## Table of Contents




**30, 50, 100 & 200 Amp Cable Sets and Devices**



**Marine Adapters**



**Marine Isolation Transformers**




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## New Marine Products

IMPROVED DESIGN





### Hubbell Marine 100 Amp Pin & Sleeve

**The Best Just Got Better. . . . . Page AA-20**

Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none. Hubbell developed the standard for 100 amp pin and sleeve devices with the National Electric Code and the American Boat and Yacht Council.

100 Amp Pin and Sleeve Devices
**Improved Features:**

- UL Type 4X and IP69k Rated
- Compact and durable cap hinge is fully shrouded and protected
- VO flammability rating
- UV stabilized, impact resistant and chemical resistant housing to withstand the harshest environments



#316 Stainless Steel Housing



Standard White Powder Coated Steel Housing

### Hubbell Marine Isolation Transformers

**Constant Clean Safe Power . . . . . Page AA-30**

- Protects sensitive equipment on board from fluctuating or low voltage
- Converts various dockside power, such as 208 volt systems to the 120/240 volts needed on board
- Greatly reduces the possibility of stray current from your boat from leaking into the water, known as Electrical Shock Drowning (ESD)

**Available Options:**

15 kVA and 25 kVA Models
60 Hz and 50/60 Hz Models
12.5% Auto-Boost
White Powder Coated Steel Housing (Non-Boost Only)
#316 Stainless Steel Housing (with and without Auto-Boost)

**Additional Features**

- Compact Size and Weight
- Two Full Current-Carrying Shields
- Vibration Resistant
- Exceeds ABYC's 4000 Volt HIPOT Test
- Full Capacity Taps = 1:1 Voltage Ratio

**New Marine Products**

## USB Charger Receptacles with Type-C

**Charge Faster with Hubbell . . . . . Page AA-41**

The smaller size USB Type-C connection will replace the traditional larger Type A connection

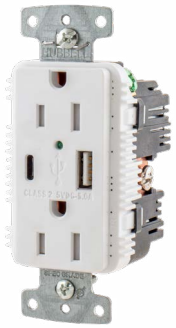
Now, with 5 amps of fast charging power
Available in standard tamper-resistant version
and in weather resistant versions

USB Type-C connection is:

- Smaller, 24 pin configuration
- More robust for reliable connection
- Quicker, simply plug in your cord



Type-C



Type A&C



Type A

## New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Ground Fault Receptacles . . . . . Page AA-42

**Ground Fault Receptacle Features:**

Hubbell's Weather Resistant offering:

- Meets NEC requirements for weather resistant, UV and corrosion resistance for harsh and damp locations
- Protects against line and load reversal

Extra heavy duty ground fault receptacles are designed to withstand the most demanding environments and applications:

- Nickel plated face contacts, mounting strap and terminals
- Stainless steel hardware
- Tamper and weather resistant make this the only corrosion resistant ground fault receptacle available



Weather Resistant



Extra Heavy Duty
Corrosion Resistant

## Stainless Steel Weatherproof and Watertight Flip Covers

**Flip Cover Features . . . . . Page AA-48**

- Heavy duty #316 stainless steel covers provide superior corrosion resistance while maintaining their smooth, polished finish
- Available in rain-tight or watertight, duplex and GFCI versions
- Horizontal or vertical mounting positions
- UL and cUL listed



## Ship-to-Shore Selection Chart - Boatside

**30A**
**125V AC**
**2 Pole**
**3 Wire**

Pages AA-8 to AA-12


HBL303NM


HBL303SS


HBL26CM13


HBL60CM33
HBL60CM33W

**50A**
**125V AC**
**2 Pole**
**3 Wire**

Pages AA-13 to AA-15


HBL503NM


HBL503SS


HBL63CM60


HBL77CM15
HBL77CM15W

**50A**
**125/250V AC**
**3 Pole**
**4 Wire**

Pages AA-16 and AA-17


HBL504NM


HBL504SS


HBL63CM64


HBL77CM15
HBL77CM15W

**100A**
**125/250V AC**
**3 Pole**
**4 Wire**

Pages AA-18 to AA-20


M4100B12R


M4100C12R

**100A**
**3ØY**
**4 Pole**
**5 Wire**

Page AA-21
**120/208V AC**
**277/480V AC**


M5100B9R
M5100B7R


M5100C9R
M5100C7R

**200A**
**600V AC/250V DC**
**50-400 Hertz**
**4 Pole**
**5 Wire**

Pages AA-22 and AA-23


M5200BS1R


M5200CS1R

**Portable Telephone and Cable TV Devices**

Pages AA-32 and AA-33


HBLPHTVNM


HBLPHTVSS


HBLTVSS


PH6624



PH7440

## Ship-to-Shore Selection Chart - Dockside



**YC310250** - 280' (85.3m) Yellow cable only.
**WC310280** - 280' (85.3m) White cable only.

**HBL61CM08 & HBL61CM08LED** - 50' (15.2m)
**HBL61CM05 & HBL61CM05LED** - 35' (10.7m)
**HBL61CM03 & HBL61CM03LED** - 25' (7.6m)
**HBL61CM08W & HBL61CM08WLED** - 50' (15.2m)
**HBL61CM03W & HBL61CM03WLED** - 25' (7.6m)



**HBL60CM31**
**HBL60CM31W**



**HBL26CM11**



**HBL26CM10**



**HBL74CM25WOA**
**HBL74CM25WOAW**



**YC306250** - 250' (76.2m) Yellow cable only.

**HBL61CM53 & HBL61CM53LED** - 50' (15.2m)
**HBL61CM43 & HBL61CM43LED** - 25' (7.6m)



**HBL77CM16**
**HBL77CM16W**



**HBL63CM61**



**HBL63CM70**



**HBL77CM74WO**



**YC406250** - 250' (76.2m) Yellow cable only.

**HBL61CM52 & HBL61CM52LED** - 50' (15.2m)
**HBL61CM42 & HBL61CM42LED** - 25' (7.6m)
**HBL61CM52W & HBL61CM52WLED** - 50' (15.2m)
**HBL61CM42W & HBL61CM42WLED** - 25' (7.6m)



**HBL77CM16**
**HBL77CM16W**



**HBL63CM65**



**HBL63CM69**



**HBL77CM74WO**



**CS1004** - 100' (30.4m) 4-Wire
**CS754** - 75' (22.8m) 4-Wire
**CS100IT4** - 100' (30.4m) 3-Wire
**CS754IT4** - 75' (22.8m) 3-Wire

**CW125IT4** - 125' (38.0m) One-ended cable set for winches.
**CW100IT4** - 100' (30.4m) One-ended cable set for winches.
**CW754** - 75' (22.8m) One-ended cable set for winches.
**CS50EXT4** - 50' (15.2m) Extension cord.



**M4100P12**



**M4100C12**



**M4100R12**



**CS100IT5** - 100' (30.4m) 4-Wire
**CS75IT5** - 75' (22.8m) 4-Wire

**CW125IT5** - 125' (38.0m) One-ended cable set for winches.
**CW100IT5** - 100' (30.4m) One-ended cable set for winches.
**CS50EXT5** - 50' (15.2m) Extension cord.



**M5100P9**
**M5100P7**



**M5100C9**
**M5100C7**



**M5100R9**
**M5100R7**



**M5200PS1**



**M5200CS1**



**M5200RS1**



**PH6630** - 250' (76.2m) Yellow cable only.
**PH6599** - 50' (15.2m)
**PH6598** - 25' (7.6m)



**75 Ohm TV Cable**
**TV99** - 50' (15.2m)
**TV98** - 25' (7.6m)
**TV99W** - 50' (15.2m)
**TV98W** - 25' (7.6m)




**PH7440**



**PH6625**



**PH6596**



**TV97**



**PH6597TV**

## ELCI Interface Solutions

### ABYC Code Requirements

Hubbell Marine Electrical continues its tradition of innovation by developing a simple, flexible method of adapting a variety of ELCI Sensors and Breakers to our traditional Stainless Steel and Non-Metallic Shore Power Inlet Housings.

Effective July 31, 2012, ABYC, E-11.11.1 requires that “An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional over current protection as required by E-11.10.2.8.3, whichever is closer to the shore power connection".

*Note: A faulty electrical connection at the dock or on a boat could result in stray electrical current in the water. Such stray current in Electrical Shock Drowning (ESD).*

***Hubbell’s family of ELCI adaptive Shore Power Inlet Kits provide a simple, flexible, low-cost solution.***

**Kits Contain:**

- Hubbell Shore Power Inlet
- Matching Shore Power Inlet Housing(s)
- Mounting Adapter Plate(s) for use with various ELCI Sensors and ELCI Breakers (not provided)
- Stainless Steel Hardware




An Equipment Leakage Circuit Interrupter (ELCI) provides 30mA ground fault protection for the entire AC shore power system beyond the ELCI









## ELCI Interface Solutions

### Hubbell ELCI Adapter Kits for North Shore Safety, Ltd® PGFM Series (ELCI Marine) Sensing Module and Sensata Technologies® ELCI Breakers

| Description | Breaker | Sensor | Power Inlet | Catalog Number |
|---|---|---|---|---|
| 30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (2) Non-Metallic Inlet Housings, Adapter Plates and Hardware. |  |  |  | **HBL303NMELCI** |
| 30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (1) Non-Metallic Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware. | |  |  | **HBL303NMELCIS** |
| 30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware. |  |  |  | **HBL303SSELCI** |
| 30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (1) Stainless Steel Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware. | |  |  | **HBL303SSELCIS** |
| 50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware. |  |  |  | **HBL504SSELCI** |
| 50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housing that adapts to a standard overcurrent-type circuit breaker. |  |  |  | **HBL504SSELCIH** |
| Blank Non-Metallic Inlet Housing and Hardware for mounting North Shore Safety ELCI Sensor only. | |  | | **HBLRRELCI** |

*Note: North Shore Safety's Sensor and Sensata Technologies Circuit Breakers (not provided) are separate devices each requiring their own blank shore power inlet interface.*

Cable sets only.

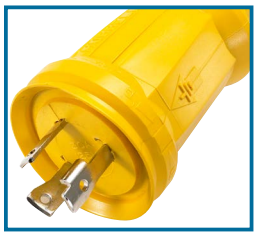
## Features and Benefits

### 30 Amp Cable Sets

- Bright, durable, LED (green) indicates “Power-ON”
- High intensity LED is visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

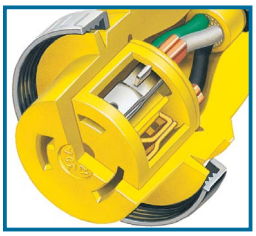


*Note: Cable sets must be fully extended before using.*



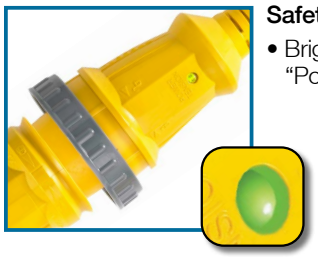
**Housing Design**

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Arrow indicating lock or unlock position
- Available in yellow or white colors



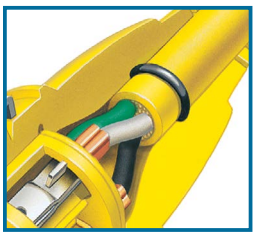
**Interior Design**

- Molded design totally encased in solid PVC material, for superior waterproofing and durability
- Locking ring assures proper alignment of connector to inlet for complete contact and waterproofing; prevents accidental disengagement



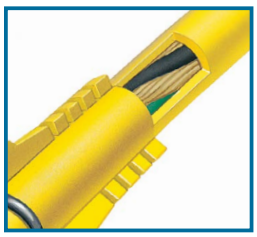
**Safety**

- Bright green LED indicates “Power-ON”



**Interior Design**

- Strain relief bull ring protects against stress and strain on the conductors caused by boat movement, crew traffic and rough handling
- Exclusive copper crimp barrel termination provides protection against internal overheating as well as additional strain relief



**Cord Flexibility**

- Molded flexneck adds life to cable set by helping to prevent right-angle cable damage and pullout
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter; particularly in colder climates



**Cable Set Options**

- Available in 50, 35 and 25 foot lengths
- Available with or without LED
- Available in UV resistant yellow or white
- Marine UL and cUL Listed

Cable sets only.

## 30A Ship-to-Shore Devices

### 30 Amp Cable Sets and Bulk Cable

Our 30A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

**IP55**
SUITABILITY
(Boatside)




**30A 125V**
**NEMA L5-30R**
UL/CSA



**HBL61CM08**
**HBL61CM05**
**HBL61CM03**

### 30A 125V Cable Sets and Bulk Cable

| Description | Catalog Number |
|---|---|
| Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight. | **HBL61CM08** |
| Same as HBL61CM08 except 35 ft. (10.7m) in length. | **HBL61CM05** |
| Same as HBL61CM08 except 25 ft. (7.6m) in length. | **HBL61CM03** |
| Same as HBL61CM08 except in white in color. | **HBL61CM08W** |
| Same as HBL61CM05 except in white in color. | **HBL61CM05W** |
| Same as HBL61CM03 except in white in color. | **HBL61CM03W** |

*Note: See page AA-8 for features and benefits.*



**HBL61CM08W**
**HBL61CM05W**
**HBL61CM03W**

### 30A Cable Sets with LED "Power-ON" Indicator

| Description | Catalog Number |
|---|---|
| Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight. | **HBL61CM08LED** |
| Same as HBL61CM08LED except 35 ft. (10.7m) in length. | **HBL61CM05LED** |
| Same as HBL61CM08LED except 25 ft. (7.6m) in length. | **HBL61CM03LED** |
| Same as HBL61CM08LED except in white in color. | **HBL61CM08WLED** |
| Same as HBL61CM05LED except in white in color. | **HBL61CM05WLED** |
| Same as HBL61CM03LED except in white in color. | **HBL61CM03WLED** |

*Note: See page AA-8 for features and benefits.*



**HBL61CM08LED**
**HBL61CM05LED**
**HBL61CM03LED**

### Accessories

| Description | Catalog Number |
|---|---|
| Yellow 250 ft. (76.2m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 250 ft. (76.2m) lengths only. | **YC310250** |
| White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only. | **WC310280** |
| Replacement non-metallic sealing ring for 30A cable sets and boots. | **RPL30P*** |

*Note: *Not UL Listed.*



**YC310250**



**RPL30P**

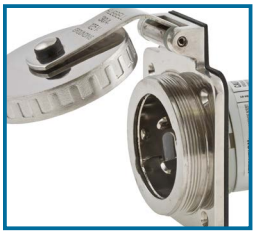
## 30A Ship-to-Shore Devices

### 30 Amp 125 Volt Shore Power Inlets and Outlet



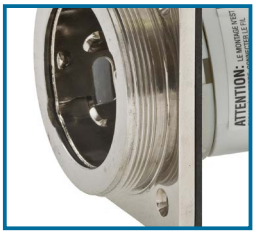
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.

- Friction tight self-closing cover assures the interior is shielded from the elements when the inlet is not in use
- Neoprene gasket on underside of cover. For sealing when the cover is closed
- Mirror stainless steel finish for superior appearance



**Housing Design**

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



**Interior Design**

- Contact blades are nickel plated brass for corrosion resistance
- Mounting holes are 2.38 in. (60.3) on center
- Polycarbonate interior has superior heat resistance



HBL303NM



**Terminations**

- Easy-to-wire interior is transparent for quick, visual inspection of terminations
- #SR3050 protective rear enclosure cap attaches to contact carrier with 3 screws




**30A 125V**
**NEMA L5-30R**
UL/CSA



HBLCBISS




HBLCBINM



HBL303SSO

### 30A 125V Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Stylized UV resistant non-metallic shore power inlet has white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP55 SUITABILITY.** | **HBL303NM** |
| Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 SUITABILITY.** | **HBL303SS** |
| Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP56 SUITABILITY.** | **HBLCBISS** |
| Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP55 SUITABILITY.** | **HBLCBINM** |
| Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with three screws which are provided. | **SR3050*** |
| Replacement interior for HBL303SS and 60CM61 shore power inlets. | **HBL303INT** |
| Traditional stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.** | **HBL303SSO** |
| Nickel plated brass adapter plate for mounting 30A traditional style shore power inlets and outlets to FS/FD box. | **HBL60CM75** |

*Note: *Not UL Listed or CSA Certified.*

*Centrex® is a registered trademark of LANXESS Corporation.*

Plugs, receptacles and connectors only.

## 30A Ship-to-Shore Devices




**30A 125V**
**NEMA L5-30R**
UL/CSA

### 30A 125V Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.** | **HBL26CM11** |
| Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. | **HBL26CM13** |
| Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 SUITABILITY.** | **HBL26CM10** |



**HBL26CM11**



**HBL26CM13**

### Boots and Weatherproof Plates

| Description | Catalog Number |
|---|---|
| Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM31+** |
| White Seal-Tite cover for weatherproofing HBL26CM11 plugs. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM31W+** |
| Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM33+** |
| White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM33W+** |
| Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM32+** |
| Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | **HBL74CM24WO**** |
| Same as HBL74CM24WO except gray in color. **IP44 SUITABILITY.** | **HBL7424WO**** |
| Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | **HBL74CM25WOA**** |
| Same as HBL74CM25WOA except white in color. **IP44 SUITABILITY.** | **HBL74CM25WOAW** |
| Same as HBL74CM25WOA except gray in color. **IP44 SUITABILITY.** | **HBL7425WOA**** |
| Stainless steel wall plate for old 26CM10. | **SS725** |
| Stainless steel wall plate for new HBL26CM10. | **SS720** |

*Note: +Boots are not UL Listed or CSA Certified.*
***See page AA-49 for aditional weatherproof plates.*



**HBL26CM10**



**HBL60CM31**



**HBL60CM33**



**HBL60CM32**



**HBL74CM25WOA**



**HBL74CM25WOAW**



**SS725**

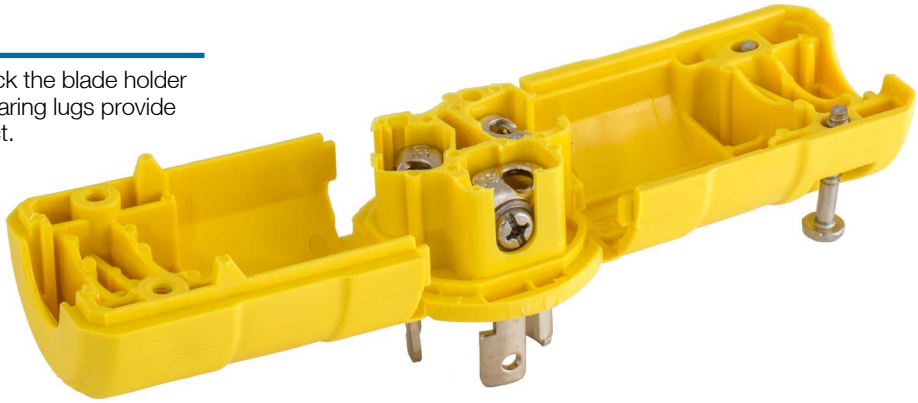
*Rynite® is a registered trademark of E. I. DuPont.*

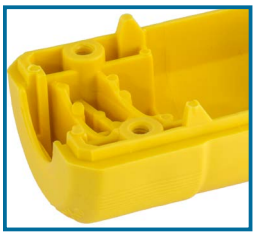
Plugs and connectors only.

## 30A Ship-to-Shore Devices

### 30 Amp Valise® Devices

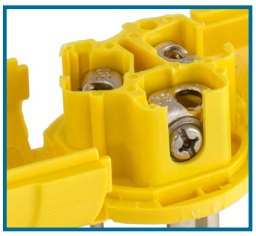
A unique system of special locking lugs interlock the blade holder and sides as the plug is closed. These load bearing lugs provide strength and security and keep the Valise intact.





**Housing Design**

- Nylon body
- Wiring time is reduced. Large easy to wire clamp type terminals eliminate the need to wrap conductors around a screw



**Interior Design**

- Exclusive nylon webs are provided to make wiring quick and easy by joining the three sections together during assembly
- Powerful cord grips resist conductor slip and strain on wiring terminals
- Nickel plated brass contacts for corrosion resistance



**Terminations**

- Terminals provide a superior electrical connection by "bundling" the conductors when the clamps are tightened
- Two captive stainless steel assembly screws



HBL26CM11V



HBL26CM11VB



HBL26CM13V



HBL60CM31V



HBL60CM33V




**30A 125V**
**NEMA L5-30R**
UL/CSA

### 30A 125V Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Yellow Valise® plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20 SUITABILITY.** | **HBL26CM11V** |
| Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). **IP20 SUITABILITY.** | **HBL26CM11VB** |
| Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20 SUITABILITY.** | **HBL26CM13V** |

### Boots and Replacement Parts

| Description | Catalog Number |
|---|---|
| Yellow Seal-Tite® cover for weatherproofing HBL26CM11V plugs. **IP44 SUITABILITY.** Note: Fits Valise devices only. | **HBL60CM31V**** |
| Yellow Seal-Tite cover for HBL26CM13V connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. **IP56 SUITABILITY.** Note: Fits Valise devices only. | **HBL60CM33V**** |
| Yellow Seal-Tite cover for weatherproofing HBL26CM13V connector bodies when used on extension cords or adapters. **IP44 SUITABILITY.** Note: Fits Valise devices only. | **HBL60CM32V**** |
| Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed. | **RPL30P*** |

*Note: **Not UL Listed or CSA Certified.*
**Not UL Listed.*

Cable sets only.

## Features and Benefits

### 50 Amp Cable Sets

- Two bright and durable LEDs. GREEN indicates “Power-ON” and RED indicates “Incorrect Wiring” at the power source
- High intensity LEDs are visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

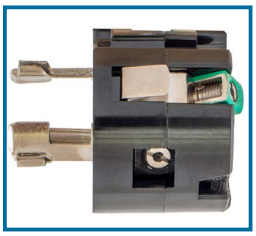


*Note: Cable sets must be fully extended before using.*



**Housing Design**

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Stainless steel threaded sealing ring to provide a watertight seal when mated with the shore power inlet
- Nickel plated brass shell for positive alignment of keying and corrosion-resistance



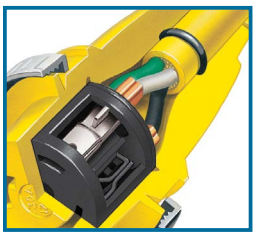
**Interior Design**

- Thermoset contact carrier is arcing and heat resistant
- Nickel plated brass contact blades for corrosion-resistance



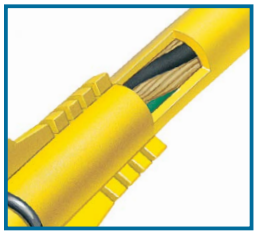
**Safety**

- Arrow with ground symbol allows lining up with ground of receptacle
- Bright green LED indicates “Power-ON”; Bright red LED indicates “Incorrect Wiring” at the power source



**Superior Termination**

- Bull ring for strain relief on the terminals
- Exclusive copper crimp barrel termination provides protection against internal overheating and burnout compared to brass crimps



**Cord Flexibility**

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter



**Cable Set Options**

- Available in 50 and 25 foot lengths
- Available in yellow or white
- Cords for winch systems available upon request
- Marine UL and cUL Listed

Inlets and connectors only.

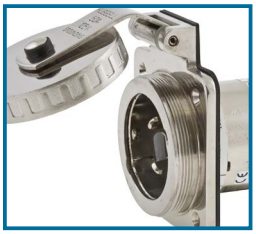
## 50A Ship-to-Shore Devices

### 50 Amp 125 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

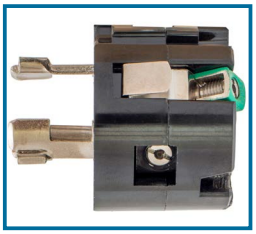
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover, for sealing when the cover is closed





**Housing Design**

- Base and cover end threads are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal. When in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



**Interior Design**

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant



**Terminations**

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



HBL503NM



HBL63CM60



HBL77CM15



HBL77CM17




50A 125V

### 50A 125V Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 SUITABILITY.** | **HBL503NM** |
| Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.** | **HBL503SS** |
| Nickel plated brass connector body has heat resistant thermoset interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.** | **HBL63CM60** |

### Boots and Replacement Parts

| Description | Catalog Number |
|---|---|
| Protective rear cover. Fits all inlets except HBL503SS. Secures to back of inlets with three screws which are provided. | **SR3050**** |
| Replacement interior for HBL503SS and 63CM72 shore power inlets. | **CR16277** |
| Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.** | **HBL77CM15**** |
| White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.** | **HBL77CM15W**** |
| Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets. | **HBL77CM67** |
| Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP56 SUITABILITY.** | **HBL77CM17**** |

*Note: **Not UL Listed or CSA Certified.*

*Centrex® is a registered trademark of LANXESS Corporation.*

UL c UL US LISTED

Cable sets only.

## 50A Ship-to-Shore Devices

### 50 Amp 125 Volt Cable Sets and Bulk Cable

Our 50A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

**IP56**
SUITABILITY
(Boatside)



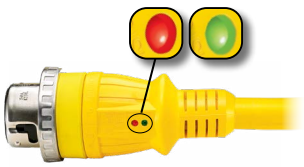
**50A 125V**

### 50A 125V Cable Sets and Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #6 AWG type STOW is completely factory pre-wired with molded-on devices. Connector end has threaded metallic sealing ring to make inlet/connector interface watertight. **IP54 SUITABILITY (BOATSIDE).** | **HBL61CM53** |
| Same as HBL61CM53 except with two high intensity LEDs. | **HBL61CM53LED** |
| Same as HBL61CM53 except 25 ft. (7.6m) in length. | **HBL61CM43** |
| Same as HBL61CM43 except with two high intensity LEDs. | **HBL61CM43LED** |
| Three conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cords and adapters will not mark boat's deck. 250 ft. (75.2m) lengths only. | **YC306250** |
| Nickel plated brass plug has heat resistant thermoset interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.** | **HBL63CM61*** |
| Single receptacle has a heat-resistant thermoset base. **IP20 SUITABILITY.** | **HBL63CM70*** |

*Note: *UL Listed and CSA Certified.*
*See page AA-13 for features and benefits.*


**HBL61CM53**
**HBL61CM43**


**HBL61CM53LED**
**HBL61CM43LED**


**HBL63CM61**

### Boots and Weatherproof Plates

| Description | Catalog Number |
|---|---|
| Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.** | **HBL77CM16**** |
| White Seal-Tite cover for weatherproofing 50A plugs. **IP55 SUITABILITY.** | **HBL77CM16W**** |
| Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | **HBL77CM74WO** |
| Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.** | **HBL7774WO** |
| Stainless steel wall plate for 50A receptacle. | **SS750** |

*Note: **Not UL Listed or CSA Certified.*


**HBL63CM70**


**HBL77CM16**


**HBL77CM74WO**


**HBL7774WO**


**SS750**


**HBL77CM16W**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

Inlets and connectors only.

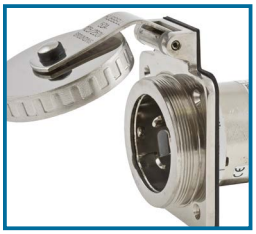
## 50A Ship-to-Shore Devices

### 50 Amp 125/250 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

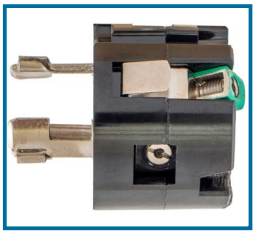
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover. For sealing when the cover is closed





**Housing Design**

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



**Interior Design**

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Thermoset contact carrier is arcing and heat resistant



**Terminations**

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



**50A 125/250V** UL/CSA



HBL504NM



HBL63CM64



HBL77CM15



HBL77CM17

### 50A 125/250V Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior is heat resistant thermoset material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 SUITABILITY.** | **HBL504NM** |
| Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. **IP56 SUITABILITY.** | **HBL504SS** |
| Nickel plated brass connector body has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.** | **HBL63CM64** |

### Boots and Weatherproof Plates

| Description | Catalog Number |
|---|---|
| Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with three screws which are provided. | **SR3050**** |
| Replacement interior for 63CM74 and HBL504SS power inlets. | **CR16279**** |
| Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.** | **HBL77CM15**** |
| White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 SUITABILITY.** | **HBL77CM15W**** |
| Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP55 SUITABILITY.** | **HBL77CM17**** |
| Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets. | **HBL77CM67** |

*Note: **Not UL Listed or CSA Certified.*

*Centrex® is a registered trademark of LANXESS Corporation.*

UL c UL US LISTED

Cable sets only.

## 50A Ship-to-Shore Devices

### 50 Amp 125/250 Volt AC Cable Sets and Bulk Cable

Our 50A 125/250V AC cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.




**50A**
**125/250V**
UL/CSA

### 50A 125/250V Cable Sets and Twist-Lock® Devices

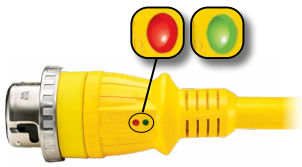
| Description | Catalog Number |
|---|---|
| Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 SUITABILITY (BOATSIDE).** | **HBL61CM52** |
| Same as HBL61CM52 except with two high intensity LEDs | **HBL61CM52LED** |
| Same as HBL61CM52 except white in color. | **HBL61CM52W** |
| Same as HBL61CM52LED except white in color. | **HBL61CM52WLED** |
| Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 SUITABILITY (BOATSIDE).** | **HBL61CM42** |
| Same as HBL61CM52LED except 25 ft. (7.6m) in length. | **HBL61CM42LED** |
| Same as HBL61CM42 except white in color. | **HBL61CM42W** |
| Same as HBL61CM42LED except white in color. | **HBL61CM42WLED** |
| Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only. | **YC406250** |
| Nickel plated brass plug has a heat resistant thermoset interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 SUITABILITY.** | **HBL63CM65*** |
| Single receptacle has a heat resistant thermoset base. **IP20 SUITABILITY.** | **HBL63CM69*** |

*Note: *UL Listed and CSA Certified.*

*See page AA-13 for features and benefits.*



**HBL61CM52**
**HBL61CM52W**
**HBL61CM42**
**HBL61CM42W**



**HBL61CM52LED**
**HBL61CM42LED**



**HBL63CM65**

### Boots and Weatherproof Plates

| Description | Catalog Number |
|---|---|
| Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.** | **HBL77CM16**** |
| White Seal-Tite® cover for weatherproofing 50A plugs. **IP55 SUITABILITY.** | **HBL77CM16W**** |
| Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | **HBL77CM74WO** |
| Same as HBL77CM74WO except gray in color. **IP44 SUITABILITY.** | **HBL7774WO** |
| Stainless steel wall plate for 50A receptacle. | **SS750** |

*Note: **Not UL Listed or CSA Certified.*



**HBL63CM69**



**HBL77CM16**



**HBL77CM74WO**



**HBL7774WO**



**SS750**



**HBL77CM16W**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Features and Benefits

### 100 Amp Pin and Sleeve Devices

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council






**Housing Design**

- Supertough nylon housing provides increased safety and abuse resistance
- High visibility yellow, STOW cable, 105°C rated and UL listed
- The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight



**Housing Design**

- Nylon housing provides increased safety and resistance
- The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal; simply rotating the cover and locking it makes it watertight
- The device is marked with its catalog number and rating for easy identification



**Interior Design**

- High impact thermoset contact carrier is arcing and heat resistant
- Two screw pressure terminals provide reliable terminations
- Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



**Interior Design**

- High impact thermoset contact carrier is arcing and heat resistant
- The terminals are clearly identified with large markings for easy recognition
- Nickel plated solid brass contacts provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



**Exterior Design**

- Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals
- All screws are stainless steel for corrosion resistance
- The device is marked with its catalog number and rating for easy identification

## 100A Ship-to-Shore Devices

### 100 Amp Cable Sets

- Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements
- Cable sets manufactured in factory-controlled conditions using specially compounded cable to accommodate a full 100 amperes



*Note: Cable sets must be fully extended before using.*

### 100A Pin and Sleeve Cable Sets

IP56 SUITABILITY

| Description | Catalog Number | 100A 125/250V AC | 100A 3ØY 120/208V AC |
|---|---|---|---|
| Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, (no neutral), STOW cable with plug and connector body for use with boats with isolation transformer on board. | | **CS75IT4*** | **CS75IT5** |
| Same as above except 100 ft. (30.4m) in length. | | **CS100IT4** | **CS100IT5** |
| Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, STOW cable. | | **CS754** | **—** |
| Same as CS754/5 except 100 ft. (30.4m) in length. | | **CS1004** | **—** |
| Yellow 50 ft. (15.2m) corrosion-resistant extension cord, 105°C rated, #2 AWG, STOW cable. For mating with existing shore power cable set. | | **CS50EXT4** | **CS50EXT5** |
| Yellow 75 ft. (22.8m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system. | | **CW754** | **—** |
| Yellow 100 ft. (30.4m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, (no neutral) STOW cable with male plug only; for use with boats with isolation transformer on board and a cable winch system. | | **CW100IT4** | **CW100IT5** |
| Same as CW100IT4/5 except 125 ft. (38.0m) in length. | | **CW125IT4** | **CW125IT5** |
| Same as CW100IT4/5 except white in color. | | **CW100IT4W** | **—** |

*Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.*
**Also available in white, consult factory.*



**CS75IT4**
**CS100IT4**



**CS100IT4W**

## 100A Ship-to-Shore Devices



M4100P12



M4100R12



M4100C12



M4100B12R



M4100C12R



FW60100



BB1001W
BB1002W

*Dimensions in Inches (mm)*



100A
125/250V AC

### 100A 125/250V Pin and Sleeve Devices

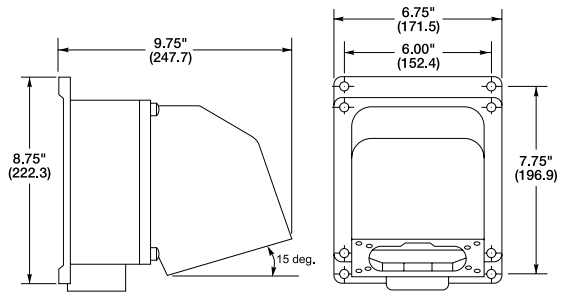
| Description | Catalog Number |
|---|---|
| Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56 SUITABILITY.** | **M4100P12** |
| Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.** | **M4100R12** |
| Yellow Zytel® super tough nylon watertight connector body for mating plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 SUITABILITY.** | **M4100C12** |
| Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.** | **M4100B12R** |
| Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 SUITABILITY.** | **M4100C12R** |

### 100A Back Boxes and Accessories

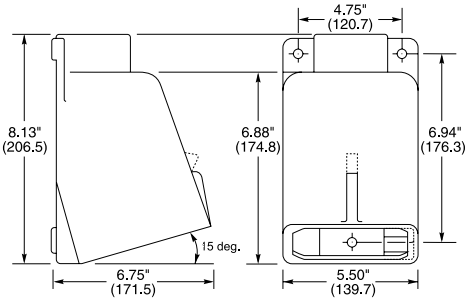
| Description | Catalog Number |
|---|---|
| Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. **IP56 SUITABILITY.** | **FW60100** |
| 15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it. | **BB1001W** |
| Same as BB1001W except threaded top hub is 2 in. NPT. | **BB1002W** |
| 15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57 SUITABILITY.** | **BB100N** |
| Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings. | **PC100** |
| Replacement lift cover assembly; includes cover, arm and assembly tool. | **CA100** |
| Replacement locking ring and cord clamp. | **CC100** |
| Replacement locking ring only. | **LR100** |

*Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.*

### Product Dimensions Inches (mm)




FW60100




BB1001W, BB1002W

*Zytel® is a registered trademark of E.I. DuPont.*
*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 100A Ship-to-Shore Devices

### 100A 3ØY 120/208V and 3ØY 277/480V Devices

| Description | 100A 3ØY 120/208V AC | 100A 3ØY 277/480V AC |
|---|---|---|
| Yellow Zytel® super tough nylon watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56 SUITABILITY.** | **M5100P9** | **M5100P7** |
| Gray nylon dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.** | **M5100R9** | **M5100R7** |
| Yellow Zytel® super tough nylon watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 SUITABILITY.** | **M5100C9** | **M5100C7** |
| Gray nylon shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.** | **M5100B9R** | **M5100B7R** |
| Yellow Zytel® super tough nylon watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 SUITABILITY.** | **M5100C9R** | **M5100C7R** |



**M5100P9**



**M5100R9**



**M5100C9**



**M5100B9R**



**M5100C9R**

### 100A Back Boxes and Accessories

| Description | Catalog Number |
|---|---|
| Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1½ in. NPT hub which can be mounted for either top or bottom feed. **IP56 SUITABILITY.** | **FW60100** |
| 15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1½ in. NPT 100A receptacles can be mounted directly to it. | **BB1001W** |
| Same as BB1001W except threaded top hub is 2 in. NPT. | **BB1002W** |
| 15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1½ in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57 SUITABILITY.** | **BB100N** |
| Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings. | **PC100** |
| Replacement lift cover assembly; includes cover, arm and assembly tool. | **CA100** |
| Replacement locking ring and cord clamp. | **CC100** |
| Replacement locking ring only. | **LR100** |

*Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.*

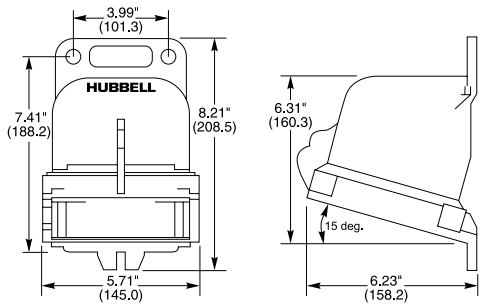



**BB100N**

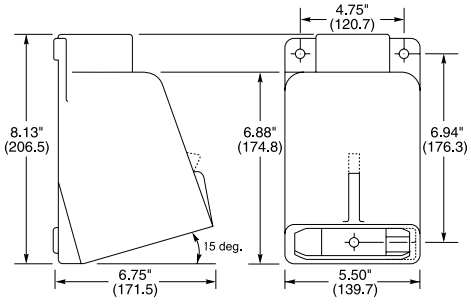


**PC100**

### Product Dimensions Inches (mm)




**BB100N**




**BB1001W, BB1002W**

*Zytel® is a registered trademark of E.I. DuPont.*
*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

*Dimensions in Inches (mm)*

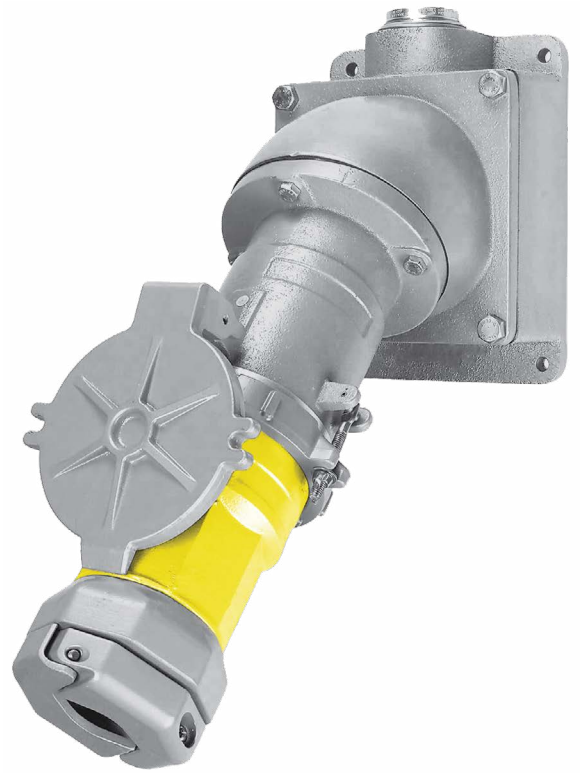
## Features and Benefits

### 200 Amp Pin and Sleeve Devices

Hubbell was the first to offer a UL listed 100 amp Marine Ship-To-Shore System… and now, we are the first to offer a UL listed 200 amp Marine Ship-To-Shore System.

The only 200 amp rated Ship-to-Shore System - built specifically for Mega-Yachts.

Hubbell 200 amp devices are listed to UL1682 and UL Classified for the mating and operation of 200 amp devices. Mates with Cooper® Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).





**Housing Design**

- Pins and Sleeves are made of nickel-plated Tellurium copper for superior corrosion and heat resistance
- UL Listed and CSA Certified



**Housing Design**

- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish
- Type 3, 4, 4X Rated per UL50 standard for superior water resistance



**Interior Design**

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands



**Interior Design**

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/pressure pads to secure and prevent damage to conductors strands



**Exterior Design**

- Cable clamp captures cable at four points, provides superior retention
- Accepts a cord range of #1 AWG – 250 MCM

*Appleton® and Powertite® are registered trademarks of Appleton Electric Company.*
*Cooper Crouse-Hinds® and Arktite® are registered trademarks of Cooper Industries, Inc.*

NEMA 4X

## 200A Ship-to-Shore Devices



200A
600V AC/250V DC

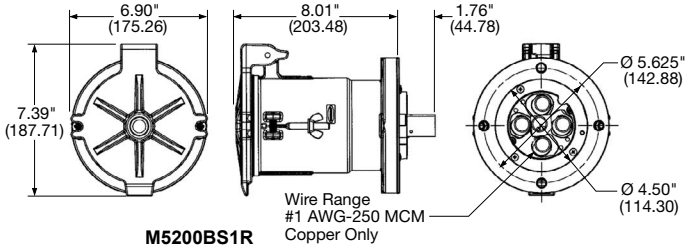
### 200A 600V AC/250V DC, 50-400 Hertz Pin and Sleeve Devices

| Description | Catalog Number |
|---|---|
| Gray metallic, watertight boatside power inlet with wingnut-secured lid for water tightness when not in use. | **M5200BS1R** |
| Gray/yellow metallic, watertight boatside connector body with locking ring to make inlet/connector body interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35). | **M5200CS1R** |
| Gray/yellow metallic, watertight dockside plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.5 in. (25.4-6.35). | **M5200PS1** |
| Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use. | **M5200RS1** |
| Gray/yellow metallic, watertight dockside connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters. | **M5200CS1** |

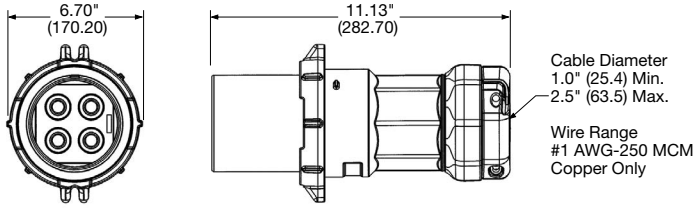
### 200A Back Boxes

| Description | Catalog Number |
|---|---|
| Gray metallic back box for inlets and receptacles has 45° angle section which can be installed in any of 4 positions, 2 in. NPT hub. | **MB2003W** |
| Gray metallic back box – same as above but 2½ in. NPT hub. | **MB2004W** |

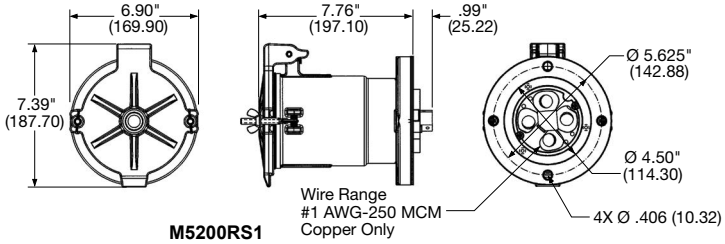
### Product Dimensions Inches (mm)



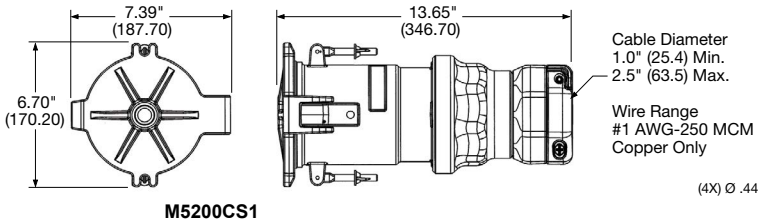

**M5200BS1R**



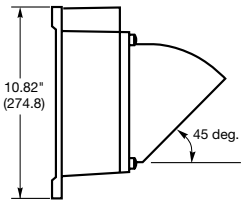

**M5200CS1R, M5200PS1**

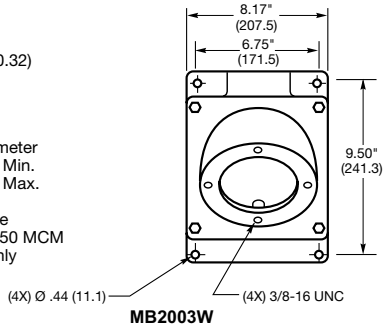



**M5200RS1**




**M5200CS1**




**MB2003W**



**M5200BS1R**



**M5200CS1R**



**M5200PS1**



**M5200RS1**



**M5200CS1**



**MB2003W**

*Dimensions in Inches (mm)*

UL Classified to IEC 60309-1 and 60309-2

## Features and Benefits

### Internationally Rated Conventional-Styled Devices

Hubbell offers the only CE certified electrical shore power systems truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional #316 stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 amp 230 volt system and 32 amp 230 volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 amp and 32 amp categories.

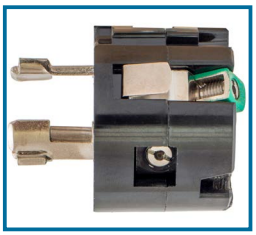
Hubbell also offers a series of Internationally Rated Pin and Sleeve Devices, available in 16A, 32A and 63A 240V, these devices are interchangeable with other manufactures of UL1686 C1 devices.





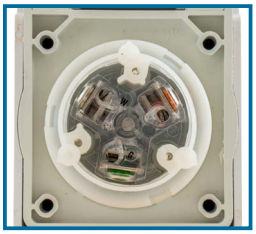
**Housing Design**

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inleet is not in use



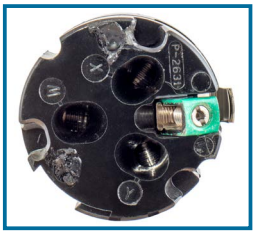
**Interior Design**

- Contact blades are nickel plated brass for corrosion resistance
- Watertight seal when in use, threaded base mates to the threaded ring of the watertight cover on the connector body; when not in use, it mates to the threaded cover



**Housing Design**

- White Centrex® cover and PBT base, weatherproof when closed
- Easy to wire polycarbonate interior is heat resistant and clear for visual inspection (16 amp and 32 amp)



**Terminations (63 Amp)**

- Thermoset contact carrier is arcing and heat resistant
- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



HBL320R6W



HBL320B6W



HBL320C6W



HBL320P6W

**IP66**
SUITABILITY

### Internationally Rated* Pin and Sleeve Devices, 2 Pole Plus Earth (⏚)

***Now Dual-Rated to match North American Configurations as well as International**

| Description | 16A / 20A | 30A / 32A | 60A / 63A |
|---|---|---|---|
| | | 220-240V / 250V | |
| Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion. | **HBL320B6W** | **HBL330B6W** | **HBL360B6W** |
| Connector body with cord grip range of .36–.83 in. (9.1-21.1). | **HBL320C6W** | **HBL330C6W** | **HBL360C6W** |
| Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion. | **HBL320R6W** | **HBL330R6W** | **HBL360R6W** |
| Plug with cord grip range of .36–.83 in. (9.1-21.1). | **HBL320P6W** | **HBL330P6W** | **HBL360P6W** |
| Closure plug for inlets. | **PC320**** | **PC3430**** | **PC60**** |
| Back box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and two ¾ in. NPT hubs. | **BB201W** | **BB301W** | **BB601W** |
| Feed-thru box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and one ¾ in. NPT hubs. | **FT202W** | **FT202W** | **FW60100** |

*Note: **Not CSA Certified.*

*Centrex® is a registered trademark of LANXESS Corporation.*

## Internationally Rated Conventional-Styled Devices

### Twist-Lock® Devices, Ship-To-Shore Power System

| Description | 16A 230V | 32A 230V, 50 Cycle |
|---|---|---|
| Non-metallic, white, stylized, UV resistant shore power inlet. White Centrex® cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided. **IP55 SUITABILITY.** | **HBL316NM** | **HBL332NM** |
| Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 SUITABILITY.** | **HBL316SSX** | **HBL332SSX** |
| Yellow locking connector replacement end for HBL316CS25 and HBL316CS. **IP20 SUITABILITY.** | **HBL316CRCX** | **HBL332CRCX** |
| White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56 SUITABILITY.** | **HBL60CM33W** | **HBL60CM33W** |
| White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56 SUITABILITY.** | **HBL60CM33** | **HBL60CM33** |



**HBL316NM**
**HBL332NM**



**HBL316SSX**
**HBL332SSX**



**HBL316CRCX**
**HBL332CRCX**



**HBL60CM33**
**HBL60CM33W**



**HBL363SSX**



**63A**
**230V**

### 63A 230V Ship-To-Shore Power Systems

| Description | Catalog Number |
|---|---|
| Traditional, stainless steel shore power inlet, including higher-quality metal threads, heat-resistant thermoset interior and box lug terminals. **IP56 SUITABILITY.** | **HBL363SSX** |
| Nickel plated brass plug with heat-resistant thermoset interior and box lug terminals cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55 SUITABILITY.** | **HBL363CRP** |
| Nickel plated brass connector body with heat-resistant thermoset interior and box lug terminals. Cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55 SUITABILITY.** | **HBL363CRC** |
| Single receptacle with heat-resistant thermoset base. **IP20 SUITABILITY.** | **HBL363CRR** |
| Yellow Seal-Tite® cover for connector bodies when used with 63A shore power inlets. Stainless steel threaded sealing ring makes connections watertight. **IP56 SUITABILITY.** | **HBL77CM15** |
| Same as HBL77CM15 except white in color. | **HBL77CM15W** |
| Yellow Seal-Tite® cover for 63A plugs. **IP55 SUITABILITY.** | **HBL77CM16** |
| Same as HBL77CM16 except white in color. | **HBL77CM16W** |



**HBL363CRP**



**HBL363CRC**



**HBL363CRR**



**HBL77CM15**



**HBL77CM16W**

*Centrex® is a registered trademark of LANXESS Corporation.*

## Features and Benefits

### Intelligent Y Adapters

**YQ230** - Safely powers a 50A 125/250V AC boat from two 30A 125V AC receptacles at dockside.*

**Problem:** A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

**Solution:** Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

*Note: *The two 30 amp receptacles must be on separate phases to function.*

IMPROVED DESIGN



YQ230




**Housing Design**

- Rugged UV resistant high-impact housing
- Environmentally sealed against humidity, fog and rain
- Cord clamps prevent strain on terminals
- Sealing grommets keep moisture out




**Safety**

- Safety indicator light, (when ON, safe operation is indicated)
- 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged

### Intelligent Y Adapters

| Description | Catalog Number |
|---|---|
| Adapter that permits use of 50A 125/250V AC cable set. (HBL61CM52), with two 30A 125V AC receptacles, HBL26CM10. | **YQ230** |
| Adapter that permits use of 100A 125/250V AC cable set. (CS754, CS1004) with one or two 50A 125/250V AC receptacles, HBL63CM69. | **YQ100PLUS** |

*Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.*
*The YQ100PLUS Adapter must be plugged into two 50A 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power —or the "A" leg 50A male can be plugged into a single 50A 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.*

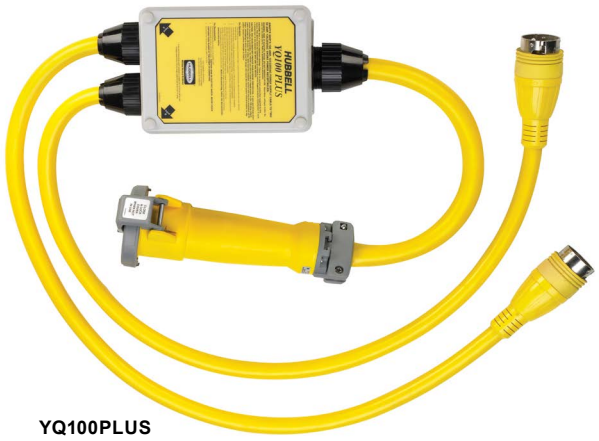
### Intelligent Y Adapters

**YQ100PLUS** - Safely powers a 100A 125/250V AC boat from two 50A 125/250V AC receptacles at dockside -or- from a single 50A 125/250V AC receptacle acting as a single adapter.

**Internal Logic Senses That:**

- Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A 125/250V receptacle
- The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires)
- The two receptacles are from correct phases

**CAUTION: This adapter must be connected to an onboard, center-tapped isolation transformer or shore power converter. DO NOT USE this adapter if such a transformer or converter is not available.**



YQ100PLUS




**Housing Design**

- Rugged, smaller, lighter-weight enclosure
- Environmentally sealed against humidity, fog and rain
- Sealing grommets keep moisture out




**Safety**

- Indicator lights indicate correct polarity and safe operation
- "A" leg for accessing a single 50A 125/250V receptacle

## Features and Benefits

### Hubbell Molded Adapters

Hubbell Straight Adapters (pigtails) and "Y" Adapters are built to the same standards as all Hubbell Shore Power Cords.

Filled with end-to-end features and weathertight when mated with Hubbell shore cords without the need for extra collars, etc.

Hubbell Marine Adapters deliver the power you need.

- Available in a variety of configurations
- Now CSA Compliant





**Housing Design**

- Fully molded fittings (except 100A) for superior waterproofing and durability
- Hubbell adapters are weatherproof when mated with Hubbell cable sets



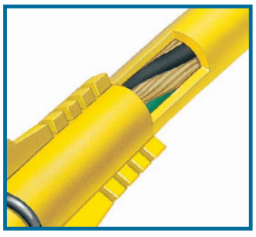
**Interior Design**

- Terminations utilize exclusive copper crimp barrel terminations, holds over 300% more securely
- Bull ring for strain relief on the terminals
- Nickel plated brass contact blades for corrosion-resistance



**Safety**

- Provides 15 amp convenience power with GFCI protection
- Manual reset button
- High impact PVC housing, UV stabilized
- Sealed GFCI housing and keypad
- Large LED power "ON" light



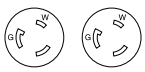
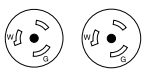
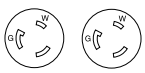
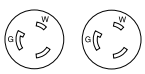
**Cord Flexibility**

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter

## Adapter Selection Guide

| Boat/Cable Set Side Connector Body (Female End) | Molded Straight Adapters | | Power Center/Dock Side Plug (Male End) |
|---|---|---|---|
| 15A 125V, 2P 3W Straight Blade with GFCI protection |  | **HBL105GF** |  30A 125V, 2P 3W Twist-Lock® |
| 30A 125V, 2P 3W Twist-Lock |  | **HBL61CM22**<br>**HBL61CM22W** |  15A 125V, 2P 3W Straight Blade (lock type) |
| 30A 125V, 2P 3W Twist-Lock |  | **HBL61CM25** |  20A 125V, 2P 3W Twist-Lock |
| 50A 125V, 2P 3W Twist-Lock |  | **HBL61CM54** |  15A 125V, 2P 3W Straight Blade |
| 30A 125V, 2P 3W Twist-Lock |  | **HBL61CM55** |  50A 125V, 2P 3W Twist-Lock |
| 50A 125V, 2P 3W Twist-Lock |  | **HBL61CM56** |  30A 125V, 2P 3W Twist-Lock |
| 30A 125V, 2P 3W Twist-Lock |  | **HBL61CM71** |  50A 125/250V, 3P 4W Twist-Lock |
| 50A 125V, 2P 3W Twist-Lock |  | **HBL61CM72** |  50A 125/250V, 3P 4W Twist-Lock |
| 100A 125/250V, 3P 4W Pin and Sleeve |  | **HBL61CM100** |  50A 125/250V, 3P 4W Twist-Lock |

### Molded Y Adapters

| | | | |
|---|---|---|---|
| (2) 30A 125V, 2P 3W Twist-Lock |  | **HBL64CM54** |  50A 125/250V, 3P 4W Twist-Lock |
| (2) 50A 125V, 2P 3W Twist-Lock |  | **HBL64CM55** |  50A 125/250V, 3P 4W Twist-Lock |
| (2) 30A 125V, 2P 3W Twist-Lock |  | **HBL64CM56** |  30A 125V, 2P 3W Twist-Lock |
| (2) 30A 125V, 2P 3W Twist-Lock |  | **HBL64CM57** |  50A 125V, 2P 3W Twist-Lock |

### One Piece Adapters

| | | | |
|---|---|---|---|
| 30A 125V, 2P 3W Twist-Lock |  | **HBL31CM28** |  15A 125V, 2P 3W Straight Blade |
| 15 or 20A 125V, 2P 3W Straight Blade |  | **HBL31CM29** |  30A 125V, 2P 3W Twist-Lock |
| 20A 125V, 2P 3W Twist-Lock |  | **HBL21CM28** |  15A 125V, 2P 3W Straight Blade |
| 15 or 20A 125V, 2P 3W Straight Blade |  | **HBL21CM29** |  20A 125V, 2P 3W Twist-Lock |

*Note: See page AA-27 for features and benefits.*
*See page AA-29 for photographs and descriptions.*

## Molded Adapters

### Molded Straight Adapters — Now CSA Compliant

| Description | Catalog Number |
|---|---|
| Permits use of 20A 125V Twist-Lock® locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.** | **HBL21CM28*** |
| Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.** | **HBL21CM29*** |
| Permits use of 30A 125V Twist-Lock locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 SUITABILITY.** | **HBL31CM28** |
| Permits use of 15A or 20A 125V straight blade plug with 30A 125V Twist-Lock locking type receptacle. **IP20 SUITABILITY.** | **HBL31CM29** |
| Permits use of 30A 125V cable set, HBL61CM08 with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM22** |
| Same as HBL61CM22, except white. | **HBL61CM22W** |
| Permits use of 30A 125V cable set, HBL61CM08 with 20A 125V Twist-Lock receptacle, HBL23CM10. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM25** |
| Permits use of 50A 125V cable set, HBL61CM53 with 15 or 20A 125V straight blade receptacle. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM54** |
| Permits use of 30A 125V cable set, HBL61CM08 with 50A 125V Twist-Lock receptacle, HBL63CM70. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM55** |
| Permits use of 50A 125V cable set, HBL61CM53 with 30A 125V Twist-Lock receptacle, HBL26CM10. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM56** |
| Permits use of 30A 125V cable set, HBL61CM08 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM71⅄** |
| Permits use of 50A 125V cable set, HBL61CM53 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM72⅄** |
| Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle. **IP55 SUITABILITY (CONNECTOR).** | **HBL5273L*** |
| Permits a 100A 125/250V cable set to plug into a single 50A 125/250V outlet. **IP55 SUITABILITY (CONNECTOR).** | **HBL61CM100**** |
| Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection. **IP55 SUITABILITY (PLUG).** | **HBL105GF**** |

### Molded Y Adapters — Now CSA Compliant

| Description | Catalog Number |
|---|---|
| Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTORS).** | **HBL64CM54** |
| Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69. **IP55 SUITABILITY (CONNECTORS).** | **HBL64CM55** |
| Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10. **IP55 SUITABILITY (CONNECTORS).** | **HBL64CM56** |
| Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70. **IP55 SUITABILITY (CONNECTORS).** | **HBL64CM57**** |

*Note: *UL Listed.*
***Not CSA Certified.*
*⅄ The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely.*
*Adapters do not provide overcurrent protection and do not provide GFCI protection except HBL105GF.*


HBL31CM28


HBL21CM29


HBL61CM22


HBL61CM25


HBL61CM56


HBL61CM100


HBL105GF


HBL64CM54


HBL64CM55


HBL64CM56


HBL64CM57

## Features and Benefits

### Hubbell Marine Isolation Transformers

Hubbell Isolation Transformers can protect your vessel's sensitive electronic equipment from damaging electrical spikes or surges. These transformers will also convert various dockside power systems to the 120/240 volt power required to operate all of the equipment on board.

And most importantly, Hubbell Isolation Transformers greatly reduce the possibility of stray current leaking from your boat's electrical system into the water, which could otherwise result in Electrical Shock Drowning (ESD) or electrocution.

### Available Options:

- Available in White Powder Coated Steel or #316 Stainless Steel Housing
- 15 kVA and 25 kVA Models
- 60 Hz and 50/60 Hz Models
- 12.5% Taps

## *Constant Clean Safe Power*



Standard White Powder Coated Steel Housing



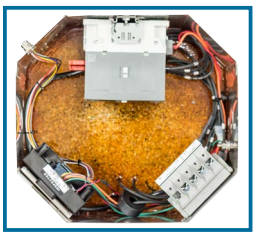
### Housing Design

- Available in #316 stainless steel or white powder coated steel finish
- Compact size and weight




### Exterior Design

1. Easy access wiring chamber/drip lid
2. Auto boost connector
3. 1" and 1½" knockouts
4. Weep holes



### Neatly Routed Wiring Chamber

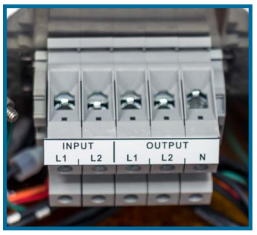
(Top view with cover removed)

- Easy access wiring chamber
- Pre-wired for 120/240 volt applications



### Safety/Installation

- Mounting brackets
- Vibration resistant




### Interior Design

- Main module cleanly mounted in easy access wiring chamber
- High-quality terminal block for wire management
- Sand-filled and epoxy topped
- Auto-boost/remote cable receptacle



### Auto-Boost Unit

- Factory programmed module automatically boosts voltage up to 12.5% if the reading at the dock falls between 195 – 220 Volts.

## *Constant Clean Safe Power*

### Hubbell Marine Isolation Transformers

15 kVA and 25 kVA Models

- Protects Sensitive Equipment on Board
- Virtually Eliminates Potential for In-Water Stray Current
- Can be wired per ABYC E-11 for either a Polarization or Isolation Transformer system

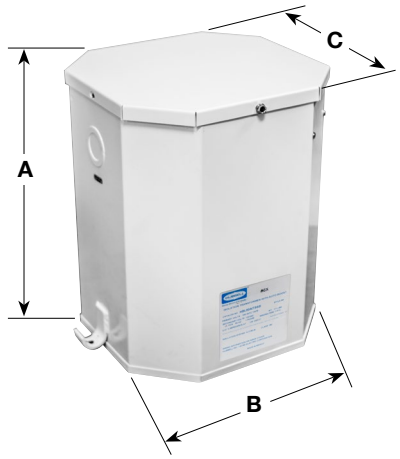


### Isolation Transformers — 60 Hz

| Description | Weight (Lbs.) | Color | Catalog Number |
|---|---|---|---|
| 15 kVA isolation transformer. | 170 | White powder coated steel | **HBL50AITW** |
| 15 kVA isolation transformer. | 170 | #316 Stainless steel | **HBL50AITSS** |
| 15 kVA isolation transformer with auto-boost. | 175 | #316 Stainless steel | **HBL50AITSSB** |
| 25 kVA isolation transformer. | 250 | White powder coated steel | **HBL100AITW** |
| 25 kVA isolation transformer. | 250 | #316 Stainless steel | **HBL100AITSS** |
| 25 kVA isolation transformer with auto-boost. | 255 | #316 Stainless steel | **HBL100AITSSB** |

### Product Dimensions Inches (mm)

| Description | Weight (Lbs.) | A - Height | B - Width | C - Depth |
|---|---|---|---|---|
| 15 kVA Models | 170 | 16.94" (43.0) | 14.12" (35.9) | 11.59" (29.4) |
| 25 kVA Models | 250 | 18.44" (46.8) | 16.13" (41.0) | 13.34" (33.9) |




### Recommended Seal-tite Cord Connectors

- For input and output cables
- Straight connectors for 1 and 1½ inch KOs

### Cord Connectors

| Description | NPT Hub Size | Cord Diameter Inches (mm) | | Form Size | Cast Aluminum Catalog Number |
|---|---|---|---|---|---|
| Straight male connectors | 1 | 1.13"-1.25" | (28.6-31.7) | F5 | **SHC1048*** |
| | 1½ | 1.25"-1.38" | (31.7-34.9) | F5 | **SHC1059** |
| | 1½ | 1.38"-1.50" | (34.9-38.1) | F6 | **SHC1061** |

*Note: *Cable jacket may have to be stripped to pass through connector body.*



*Dimensions in Inches (mm)*

## Telephone and Cable TV Devices



HBLPHTVNM



HBLPHTVSS



HBLTVSS



PH6625



PH6624



PH7440

### Telephone and Cable TV Ship-to-Shore Devices

| Description | Catalog Number |
|---|---|
| Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. **IP55 SUITABILITY.** | **HBLPHTVNM** |
| Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.** | **HBLPHTVSS** |
| Same as HBLPHTVSS above except no phone. | **HBLTVSS** |
| Replacement int. for PH6594TV and HBLPHTVSS series inlets. | **CR16914** |
| Black locking type plug for telephone cable sets or adapters. | **PH6625** |
| Black locking type connector body used on telephone cable sets or adapters. | **PH6624** |
| Yellow Seal-Tite® cover for weatherproofing PH6624 connector body on cable sets when connecting to an inlet and for weather-proofing PH6625 plug. **IP20 SUITABILITY.** | **PH7440** |
| Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. **IP55 SUITABILITY.** | **PH7499** |
| Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications. **IP20 SUITABILITY.** | **PH6599** |
| Same as PH6599 except white in color. | **PH6599W*** |
| Same as PH6599 except 25 ft. (7.6m) in length. | **PH6598** |
| Same as PH6598 except white in color. | **PH6598W*** |

*Note: *Discontinued.*




**PH6599**
**PH6598**

*Centrex® is a registered trademark of LANXESS Corporation.*

## Telephone and Cable TV Devices

### Telephone and Cable TV Ship-to-Shore Devices

| Description | Catalog Number |
|---|---|
| Black polycarbonate combination telephone/TV outlet with spring-loaded weatherproof lift cover. Can be wired for telephone service only or for telephone and MATV/CATV services in one FS/FD box in both marinas and RV parks. Can be padlocked to prevent unauthorized use. **IP44 SUITABILITY.** | **PH6597TV** |
| Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. **IP20 SUITABILITY.** | **TV97** |
| Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. **IP20 SUITABILITY.** | **PH6597** |
| Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks. **IP20 SUITABILITY.** | **PH6596** |
| Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.** | **PH6595** |
| 50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat. | **TV99** |
| Same as TV99 except white in color. | **TV99W** |
| Same as TV99 except 25 ft. (7.6m) in length. | **TV98** |
| Same as TV98 except white in color. | **TV98W** |



**PH6597TV**



**TV97**



**PH6597**



**PH6596**



**PH6595**




**TV99**
**TV99W**
**TV98**
**TV98W**

## 30 Amp 28 Volt DC Rated

### Electric Fishing Reel Devices

Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems. Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion-resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 Volt DC and applicable for all 12, 24 and 32 Volt DC fishing reel systems. The devices are UL listed and CSA certified. All devices are made of high-visibility yellow nylon that is impact resistant and UV stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.







HBL328DCR



HBL328DCP



HBL328DCC

### 30A 28V DC Rated Devices

| Description | Catalog Number |
|---|---|
| Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6083 and used wit HBL74CM25WOA weatherproof plate. | **HBL328DCR** |
| Same as HBL328DCR except white in color. | **HBL328DCRW** |
| Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out. | **HBL328DCP** |
| Same as HBL328DCP except white in color. | **HBL328DCPW** |
| Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out. | **HBL328DCC** |

### Accessories

| Description | Catalog Number |
|---|---|
| Gray, high-impact thermoplastic FD (deep) weatherproof box with ¾ in. (19.1) NPT threaded hub, with 30 cubic inch capacity. | **HBL6083** |
| Same as HBL6083 except yellow in color. | **HBL60CM83A** |
| Same as HBL6083 except white in color. | **HBL60CM83WA** |
| Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color. | **HBL74CM25WOA** |
| Same as HBL74CM25WOAW except white in color. | **HBL74CM25WOAW** |
| Same as HBL74CM25WOAW except gray in color. | **HBL7425WOA** |

*Note: See page AA-50 for 55° angle adapters and additional accessories.*

IMPROVED DESIGN



HBL60CM83A



HBL74CM25WOA



HBL74CM25WOAW

## 12 Volt DC Rated Switches

### KEY CHART



M11SP

**1. Toggle switch**
Fits panels up to ¼ in. thick when not using the back-up nut provided; fits panels up to 3/16 in. thick when using the back-up nut. Requires a ½ in. mounting hole.



M11LRGSP

**2. Lighted toggle switch**
Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.



M11LTR

**3. Lighted-tip toggle switch**
Red pilot light visible in tip of toggle only. Same panel specs as 1.



MR11SP

**4. Rocker switch**
Requires a 1½ in. high x 7/8 in. wide rectangular opening.



MR123LRSP

**5. Lighted rocker switch**
Built-in pilot light for night vision. Same panel specs as 4.

### Panel Mount Toggle and Rocker Switches

| Description | Typical Applications | Key | Catalog Number |
|---|---|---|---|
| Single pole, single throw, ON/OFF. | Lights, bilge blower, bilge pump(s), accessories | 1<br>2<br>2<br>3<br>4<br>5 | **M11SP**<br>**M11LRSP**<br>**M11LRGSP**<br>**M11LTR**<br>**MR11SP**<br>**MR11LRSP** |
| Single pole, single throw, ON/OFF/ON. | Horn, starter, winches, gauges | | **M11MSP**<br>**MR11MSP** |
| Single pole, double throw, ON/OFF/ON. | Bilge pumps, speed selector, lights, navigation lights | | **M123SP**<br>**M123LTR**<br>**MR123SP**<br>**MR123LRSP** |
| Single pole, double throw, Momentary ON/OFF/ON. | Bilge pumps | 1<br>4 | **M123MSP**<br>**MR123MSP** |
| Single pole, double throw. Momentary ON/OFF/Momentary ON. | Trim Tabs | 1<br>4 | **M123MMSP**<br>**MR123MMSP** |
| Double pole, single throw, ON/OFF. | Lights, accessories | 1<br>4 | **M21SP**<br>**MR21SP** |
| Double pole, double throw, ON/OFF/ON. | Navigation lights, wipers, dual fuel tanks | 1<br>4 | **M223SP**<br>**MR223SP** |
| Double pole, double throw, ON/OFF/ON (with jumper). | Navigation lights, windlass | 1 | **M223JSP** |
| Double pole, double throw. Momentary ON/OFF/Momentary ON. | Winches, trim tabs, dual fuel tanks | 1<br>4 | **M223MMSP**<br>**MR223MMSP** |
| Black silicone rubber boot bonded to brass nut. | Provides positive seal against moisture, oil, etc. Fits any non-lighted toggle switch. | | **MSB1** |
| Push-button horn switch with 15/32 in. long nickel plated brass mounting stem. Terminals are .25 in. spade. | For remote operation of horn. | | **MH11** |
| Black push-button (horn) boot. | Fits MH11 horn switch. | | **MHB11** |



M11SP



MR11SP



M21SP



M223SP



MSB1

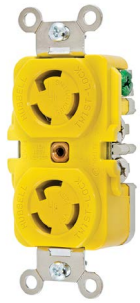


MH11



MHB11

## 15 Amp Twist-Lock® Devices and Accessories



HBL47CM00



HBL47CM20C



HBL47CM29C



HBL47CM15



HBL47CM16




15A 125V
NEMA L5-15R
UL/CSA

### 15A 125V AC Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Yellow duplex receptacle has heat resistant body. **IP20 SUITABILITY.** | **HBL47CM00** |
| Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.** | **HBL47CM20C** |
| Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.** | **HBL47CM29C** |
| Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. **IP20 SUITABILITY.** | **HBL47CM15** |
| Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. **IP20 SUITABILITY.** | **HBL47CM16** |

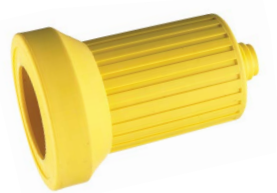
### Accessories

| Description | Catalog Number |
|---|---|
| Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.** | **HBL52CM21** |
| Same as HBL52CM21 except white in color | **HBL52CM21W** |
| Same as HBL52CM21 except gray in color. | **HBL5221** |
| Same as HBL52CM21 except for mounting to standard boxes. | **HBL52CM22** |
| Same as HBL52CM22 except gray in color. | **HBL5222** |
| Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. **IP44 SUITABILITY.** | **HBL60CM23**** |
| Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. **IP20 SUITABILITY.** | **HBL60CM24**** |

*Note: **Not UL Listed or CSA Certified.*



HBL60CM23



HBL60CM24



HBL52CM21W

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 15 Amp Straight Blade Devices and Accessories

### 15A 125V AC Straight Blade Devices



15A 125V
NEMA 5-15R
UL/CSA

| Description | Catalog Number |
|---|---|
| Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 SUITABILITY.** | **HBL52CM62** |
| Same as HBL52CM62 except ivory in color. | **HBL52CM62I** |
| Single version of HBL52CM62 duplex yellow receptacle. **IP20 SUITABILITY.** | **HBL52CM61** |
| Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.** | **HBL52CM66C** |
| Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.** | **HBL52CM69C** |
| Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 SUITABILITY.** | **HBL52CM66V** |
| Yellow Valise connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 SUITABILITY.** | **HBL52CM69V** |
| Yellow Insulgrip plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component. **IP20 SUITABILITY.** | **HBL52CM80C** |
| Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V, 2 pole 3 wire straight blade connector bodies. **IP44 SUITABILITY.** | **HBL61CM64** |
| Same as HBL61CM64 except black in color. | **HBL61CM64BK** |

*Note: See page Tech-10 for Weather Resistant description.*



**HBL52CM62** **HBL52CM61**


**HBL52CM66C**


**HBL52CM69C**


**HBL52CM80C**

### Accessories

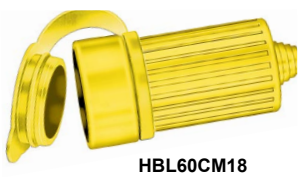
| Description | Catalog Number |
|---|---|
| Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. **IP44 SUITABILITY.** Note: For Insulgrip devices only. | **HBL60CM17**** |
| Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY.** Note: For Insulgrip devices only. | **HBL60CM18**** |
| Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.** | **HBL52CM21** |
| Same as HBL52CM21 except gray in color. | **HBL5221** |
| Same as HBL52CM21 except for mounting to standard boxes. | **HBL52CM22** |
| Same as HBL52CM22 except gray in color. | **HBL5222** |
| Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | **HBL74CM23WO** |
| Same as HBL74CM23WO except gray in color. | **HBL7423WO** |

*Note: **Not UL Listed or CSA Certified.*


**HBL52CM66V**


**HBL52CM69V**


**HBL60CM17**


**HBL60CM18**
**HBL60CM19**


**HBL52CM21**


**HBL74CM23WO**


**HBL61CM64**

*Rynite® is a registered trademark of E. I. DuPont.*
*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## 20 Amp Twist-Lock® Devices and Accessories

Plugs, receptacles and connectors only.




**20A 125V**
**NEMA L5-20R**
UL/CSA



HBL23CM10



HBL23CM11



HBL23CM13



HBL23CM11V



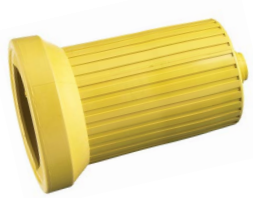
HBL60CM31



HBL60CM31V



HBL60CM32



HBL60CM32V



HBL74CM25WOA

### 20A 125V Twist-Lock® Devices

| Description | Catalog Number |
|---|---|
| Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 SUITABILITY.** | **HBL23CM10** |
| Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.** | **HBL23CM11** |
| Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.** | **HBL23CM13** |
| Yellow Valise plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). **IP20 SUITABILITY.** | **HBL23CM11V** |

### Accessories

| Description | Catalog Number |
|---|---|
| Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | **HBL74CM25WOA** |
| Same as HBL74CM25WOA except gray in color. | **HBL7425WOA** |
| Same as HBL74CM25WOA except white in color. | **HBL74CM25WOAW** |
| Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM31**** |
| Same as HBL60CM31 except white in color. | **HBL60CM31W**** |
| Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. **IP44 SUITABILITY.** Note: Fits Insulgrip devices only. | **HBL60CM32**** |
| Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. **IP44 SUITABILITY.** Note: Fits Valise® devices only. | **HBL60CM32V**** |
| Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. **IP44 SUITABILITY.** Note: Fits Valise devices only. | **HBL60CM31V**** |

*Note: **Not UL Listed or CSA Certified.*

*Rynite® is a registered trademark of E. I. DuPont.*

## 20 Amp Straight Blade Devices and Accessories




20A 125V
NEMA 5-20R
UL/CSA

### 20A 125V AC Straight Blade Devices

| Description | Catalog Number |
|---|---|
| Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 SUITABILITY.** | **HBL53CM62** |
| Single version of HBL53CM62 duplex yellow receptacle. **IP20 SUITABILITY.** | **HBL53CM61** |
| Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. **IP20 SUITABILITY.** | **HBL53CM66C** |
| Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. **IP20 SUITABILITY.** | **HBL53CM69C** |
| Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP44 SUITABILITY.** | **HBL61CM65** |

*Note: See page Tech-10 for Weather Resistant description.*




**HBL53CM62** **HBL53CM61**



**HBL53CM66C**



**HBL53CM69C**

### Accessories

| Description | Catalog Number |
|---|---|
| Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. **IP44 SUITABILITY.** Note: For Insulgrip devices only. | **HBL60CM17**** |
| Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 SUITABILITY.** Note: For Insulgrip devices only. | **HBL60CM18**** |
| Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. **IP55 SUITABILITY.** | **HBL60CM19**** |
| Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.** Not CSA certified. | **HBL52CM21** |
| Same as HBL52CM21 except white in color. | **HBL52CM21W** |
| Same as HBL52CM21 except gray in color. | **HBL5221** |
| Same as HBL52CM21 except for mounting to standard boxes. | **HBL52CM22** |
| Same as HBL52CM22 except gray in color. | **HBL5222** |
| Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** Not CSA certified. | **HBL74CM23WO** |
| Same as HBL74CM23WO except gray in color. | **HBL7423WO** |

*Note: **Not UL Listed or CSA Certified.*



**HBL52CM66V**



**HBL52CM69V**



**HBL61CM65**



**HBL60CM17**



**HBL52CM21**



**HBL52CM21W**



**HBL74CM23WO**



**HBL7423WO**

*Rynite® is a registered trademark of E. I. DuPont.*

## Circuit Testers

### Hubbell Twist-Lock® Circuit Tester

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a boater, marina operator or electrician, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.




For Testing the Wiring Condition of Receptacles and Connectors

- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret
- Easy to read LED output and condition tables
- Insulgrip® nylon housing for secure gripping
- Carabiner style clip to secure to work belt
- UL 1436 listed



**HBLT26CM11**

### Hubbell Twist-Lock® Circuit Tester

| Description | Catalog Number |
|---|---|
| Styled and sized like a standard Hubbell Twist-Lock® Plug. Simply plug it in and the LED back panel immediately identifies if the connections are made correctly and are in the correct position, ensuring the device is wired properly. An easy to read card is provided with the tester, to help determine if the connections are correct. This tester is compact and can easily clip onto your tool belt. The Hubbell Circuit Tester is UL and C-UL Listed. | **HBLT26CM11** |



**GFT2G**



**HBL5200**

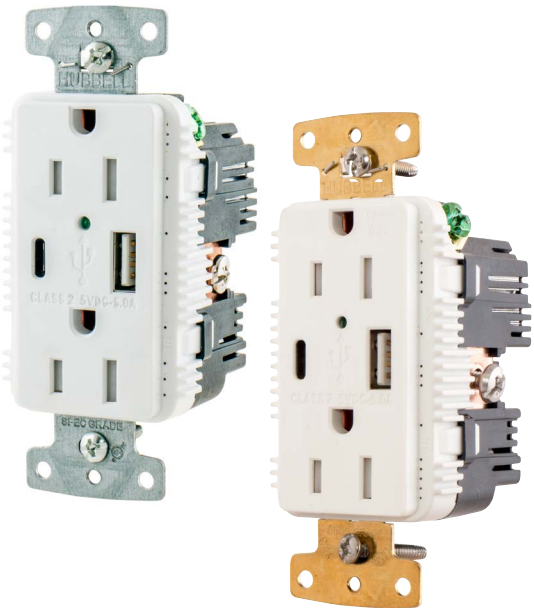
### Additional Testers

| Description | Catalog Number |
|---|---|
| This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V. | **GFT2G*** |
| This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on page AA-29. | **HBL5200**** |

*Note: *Not UL Listed or CSA Certified.*
***Not CSA Certified.*

## Features and Benefits

### USB Charger Receptacles

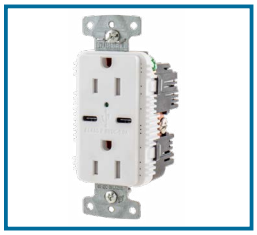


More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

Hubbell's new weather resistant USB charger receptacle offers a safe and reliable solution, conveniently expanding way to charge portable electronics. Now, being outdoors no longer means worrying about finding a charging source. Weather resistant receptacles comply with Section 406.9 of the National Electrical Code when used with covers.

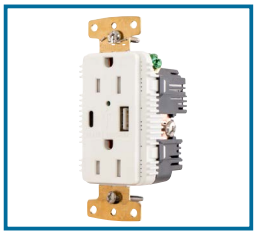
#### Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



#### USB Chargers

- Two Type-C port configurations
- One Type A and one Type-C port
- Two Type A port configurations
- High power 5 Amp, 5 Volt DC USB output
- Tamper-Resistant decorator duplex receptacle



#### Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC® with cover
- 5 Amp, 5 Volt USB output
- Power indicating green LED light

### Weather Resistant USB Charger Duplex Receptacles

| Description | Color | 15A 125V AC | 20A 125V |
|---|---|---|---|
| Type A&C USB Charger receptacle, one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade. | Ivory<br>Light Almond<br>White | **USB15AC5IWR**<br>**USB15AC5LAWR**<br>**USB15AC5WWR** | **USB20AC5IWR**<br>**USB20AC5LAWR**<br>**USB20AC5WWR** |

*Note: Outdoor circuits should be GFCI protected per national and local electric codes. Also available in black, brown and gray.*
*See page Tech-10 for Weather and Tamper-Resistant descriptions.*



**USB15AC5WWR**

### Standard USB Charger Tamper-Resistant Duplex Receptacles

| Description | Color | 15A 125V AC |
|---|---|---|
| Type-C USB Charger Receptacle, two Type-C port configurations, high power 5 Amp, 5 Volt USB output. | Ivory<br>Light Almond<br>White | **USB15C5I**<br>**USB15C5LA**<br>**USB15C5W** |
| Type A&C USB Charger Receptacle, one Type A and one Type-C port configuration, high power 5 Amp, 5 Volt USB output. | Ivory<br>Light Almond<br>White | **USB15AC5I**<br>**USB15AC5LA**<br>**USB15AC5W** |
| Type A USB Charger Receptacle, two Type A port configurations, high power 5 Amp, 5 Volt USB output. | Ivory<br>Light Almond<br>White | **USB15A5I**<br>**USB15A5LA**<br>**USB15A5W** |

*Note: Also available in black, brown and gray.*



**USB15AC5W**

*Apple® is a registered trademark of Apple Inc.*
*NEC® is a registered trademark of The National Electrical Code.*

## GFCI and Portable Ground Fault Circuit Interrupters

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection" on page AA-52.



### New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Weather and Tamper-Resistant Ground Fault Receptacles

Hubbell now offers a Ground Fault Receptacle for every application.

Hubbell's GFCI offering, with patented self-test technology, continually tests and monitors itself to insure proper functioning.

Hubbell's GFCI Receptacle line-up now includes:

- Standard Commercial Series; for typical standard use
- Weather Resistant Series; meets NEC® requirements for weather resistance, UV and corrosion resistance for harsh and damp applications.
- Extra Heavy Duty Corrosion Resistant Series; has high-impact and UV stabilized housing, nickel-plated face contacts, mounting strap and terminals to withstand the most demanding environments and applications.



GFSG5262I



CWP26CRW



GFP15M



GFP315A



GFP6C15M
GFP25C15M

### Ground Fault Receptacles

| Description | Color | OEM Version Standard Series | Marine Packaging Weather Resistant Series | Extra Heavy Duty Series |
|---|---|---|---|---|
| 15A 125V GFCI receptacle. | Ivory | **GFRST15I** | **GFRST52MI** | **GFSG5262I** |
| | Light Almond | **GFRST15LA** | **GFRST52MLA** | **–** |
| | White | **GFRST15W** | **GFRST52MW** | **GFSG5262W** |

*Note: Also available in black, brown and gray. See page Tech-10 for Tamper and Weather Resistant descriptions.*

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-through feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit. These devices meet the requirements of The National Electric Code (NEC®) and American Boat and Yacht Council Standard and will accept locking fork terminals.

***Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.***

| Description | Color | Catalog Number |
|---|---|---|
| PVC weatherproof lift cover for ground fault receptacles (such as GFRST52M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes. | Gray | **CWP26CR** |
| | White | **CWP26CRW** |

### Portable Ground Fault Circuit Interrupters (GFCI)

Ideal for providing safety in applications requiring multiple outlets, features gasketed cover to protect outlets not in use. Ensures safety by interrupting power when leakage to ground is 4 to 6 milliamperes. A test button allows the user to test that the GFCI is in working order. This portable solution provides open neutral protection.

| Description | Catalog Number |
|---|---|
| The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Incorporates a 20 Amp GFCI module that can be replaced in the field. The module provides not only ground fault protection, but also contains the no voltage release feature. | **GFP15M** |
| 3-outlet plug-in unit. Plugs into boat convenience receptacles to provide ground fault protection. | **GFP315A** |

*Note: GFCI devices will not protect against overloads or short circuits.*

### 15A 125V GFCI Line Cord Devices

| Description | Line Cord Length | Catalog Number |
|---|---|---|
| Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight. | 6 ft. (1.8m) | **GFP6C15M** |
| | 25 ft. (7.6m) | **GFP25C15M** |

*NEC® is a registered trademark of the The National Electrical Code.*

## 15 and 20 Amp Receptacles

### Style Line® Decorator Receptacles

- High-impact nylon face resists breaking, chipping and cracking.
- Will accept locking fork terminal to comply with ABYC standards.
- Available in 4 colors for any decor with matching wall plates.
- Smooth, high-gloss finish for rich appearance.

### Commercial Style Line® Decorator Series

| Description | Color | Standard Duplex | Duplex, Tamper-Resistant | Duplex, Weather and Tamper-Resistant |
|---|---|---|---|---|
| 15A 125V duplex receptacle. | Black | **DR15BLK** | **DR15BLKTR** | **DR15BLKWRTR** |
| | Brown | **DR15** | **DR15TR** | **DR15WRTR** |
| | Gray | **DR15GRY** | **DR15GRYTR** | **DR15GRYWRTR** |
| | Ivory | **DR15I** | **DR15ITR** | **DR15IWRTR** |
| | Light Almond | **DR15LA** | **DR15LATR** | **DR15LAWRTR** |
| | White | **DR15WHI** | **DR15WHITR** | **DR15WHIWRTR** |


DR15ITR


DR15GRYWRTR

### Commercial Series

| Description | Color | Standard Duplex, Spec. Grade, Side Wired | Duplex, Tamper-Resistant | Duplex, Weather and Tamper-Resistant, Back and Side Wired |
|---|---|---|---|---|
| 15A 125V duplex receptacle. | Black | **CR15BLK** | **CR15BLKTR** | **BR15BLKWRTR** |
| | Brown | **CR15** | **CR15TR** | **BR15WRTR** |
| | Gray | **CR15GRY** | **CR15GRYTR** | **BR15GRYWRTR** |
| | Ivory | **CR15I** | **CR15ITR** | **BR15IWRTR** |
| | Light Almond | **CR15LA** | **CR15LATR** | **BR15LAWRTR** |
| | White | **CR15WHI** | **CR15WHITR** | **BR15WHIWRTR** |

*Note: All devices above will accept locking fork terminal to comply with ABYC standards.*
*See page Tech-10 for Tamper and Weather Resistant descriptions.*


CR15TR


BR15IWRTR

### Extra Heavy Duty Single Receptacles

| Description | Color | Catalog Number |
|---|---|---|
| 15A 125V single receptacle. | Brown | **HBL5251** |
| | Ivory | **HBL5251I** |
| 20A 125V single receptacle. | Brown | **HBL5361** |
| | Ivory | **HBL5361I** |


HBL5251


HBL5361I

### Corrosion-Resistant Receptacles

| Description | Color | Catalog Number |
|---|---|---|
| 15A 125V yellow corrosion-resistant duplex receptacle. Use where salt or other corrosive elements are a problem. | Yellow | **HBL52CM62** |
| Same as HBL52CM62 except ivory in color. | Ivory | **HBL52CM62I** |

### Special Application Illuminated Receptacle

| Description | Color | Catalog Number |
|---|---|---|
| Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light. | Ivory | **HBL8200ILI** |

*Note: See page Tech-10 for Weather Resistant description.*


HBL52CM62I


HBL8200ILI

## Switches and Accessories



CS115I



HBL1221IL



HBL1221PL



HBL1281



HBL1283



HBL17CM50



HBL1795



HBL6079

### Commercial Series

| Description | Toggle Color | Catalog Number |
|---|---|---|
| 15A single-pole toggle switch for controlling AC load from one point. | Black | **CS115BK** |
| | Brown | **CS115** |
| | Gray | **CS115GY** |
| | Ivory | **CS115I** |
| | Light Almond | **CS115LA** |
| | White | **CS115W** |
| 15A three-way toggle switch for controlling AC load from two points. | Black | **CS315BK** |
| | Brown | **CS315** |
| | Gray | **CS315GY** |
| | Ivory | **CS315I** |
| | Light Almond | **CS315LA** |
| | White | **CS315W** |

*Note: All devices above will accept locking fork terminal to comply with ABYC standards.*

### Special Application Series

| Description | Catalog Number |
|---|---|
| 20A 120V toggle switch with LED lamp set in ivory handle. Handle illuminates when switch is in "OFF" position. | **HBL1221IL** |
| 20A 120V three-way toggle switch with LED illuminated ivory handle for controlling AC load from two points. Handle illuminates when "OFF". | **HBL1223IL** |
| 20A 120V single-pole toggle switch with LED lamp set in clear red handle. Handle illuminates when switch is "ON". Serves as instant reminder that current is flowing to an appliance. | **HBL1221PL** |
| 20A 120V three-way toggle switch with LED for controlling AC load from two points. Red handle illuminates when "ON". | **HBL1223PL** |
| Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button. | **HBL1281** |
| Same as HBL1281 except ivory button. | **HBL1281I** |
| Three-way PresSwitch for controlling AC load from two points. Switch activated brown button. | **HBL1283*** |
| Same as HBL1283 except ivory button. | **HBL1283I*** |

### Accessories

| Description | Catalog Number |
|---|---|
| Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch button is activated when bubble is pressed. Not CSA certified. | **HBL17CM50*** |
| Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA certified. | **HBL1795** |
| Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall. | **HBL6079**** |

*Note: *Not UL Listed.*
***Not CSA Certified.*

## Wallplates

### Non-metallic Plates

- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth satin finish, blends into the wall
- Screws are factory-inserted for fumble-free installation

### Stainless Steel Plates

- Type 302/304
- Non-magnetic
- Ideal for highly corrosive environments

| Description | | Color | Thermoplastic Standard | Thermoplastic Mid-Size | Material | Metal Catalog Number |
|---|---|---|---|---|---|---|
|  | 1-Gang, 1-Toggle | Black | **P1BK** | **PJ1BK** | Brass | **SB1** |
| | | Brown | **P1** | **PJ1** | Stainless Steel | **SS1** |
| | | Gray | **P1GY** | **PJ1GY** | | |
| | | Ivory | **P1I** | **PJ1I** | | |
| | | White | **P1W** | **PJ1W** | | |
|  | 1-Gang, 1-Duplex | Black | **P8BK** | **PJ8BK** | Brass | **SB8** |
| | | Brown | **P8** | **PJ8** | Stainless Steel | **SS8** |
| | | Gray | **P8GY** | **PJ8GY** | | |
| | | Ivory | **P8I** | **PJ8I** | | |
| | | White | **P8W** | **PJ8W** | | |
|  | 1-Gang, 1-Decorator | Black | **P26BK** | **PJ26BK** | Brass | **SB26** |
| | | Brown | **P26** | **PJ26** | Stainless Steel | **SS26** |
| | | Gray | **P26GY** | **PJ26GY** | | |
| | | Ivory | **P26I** | **PJ26I** | | |
| | | White | **P26W** | **PJ26W** | | |
|  | 2-Gang, 2-Toggle | Black | **P2BK** | **PJ2BK** | Brass | **SB2** |
| | | Brown | **P2** | **PJ2** | Stainless Steel | **SS2** |
| | | Gray | **P2GY** | **PJ2GY** | | |
| | | Ivory | **P2I** | **PJ2I** | | |
| | | White | **P2W** | **PJ2W** | | |
|  | 2-Gang, 2-Duplex | Black | **P82BK** | **PJ82BK** | Brass | **SB82** |
| | | Brown | **P82** | **PJ82** | Stainless Steel | **SS82** |
| | | Gray | **P82GY** | **PJ82GY** | | |
| | | Ivory | **P82I** | **PJ82I** | | |
| | | White | **P82W** | **PJ82W** | | |
|  | 2-Gang, 2-Decorator | Black | **P262BK** | **PJ262BK** | Brass | **SB262** |
| | | Brown | **P262** | **PJ262** | Stainless Steel | **SS262** |
| | | Gray | **P262GY** | **PJ262GY** | | |
| | | Ivory | **P262I** | **PJ262I** | | |
| | | White | **P262W** | **PJ262W** | | |
|  | 2-Gang, 1-Toggle, 1-Duplex | Black | – | **PJ18BK** | Brass | **SB18** |
| | | Brown | **P18** | **PJ18** | Stainless Steel | **SS18** |
| | | Gray | **P18GY** | **PJ18GY** | | |
| | | Ivory | **P18I** | **PJ18I** | | |
| | | White | **P18W** | **PJ18W** | | |
|  | 2-Gang, 1-Toggle, 1-Decorator | Black | **P126BK** | **PJ126BK** | Brass | **SB126** |
| | | Brown | **P126** | **PJ126** | Stainless Steel | **SS126** |
| | | Gray | **P126GY** | **PJ126GY** | | |
| | | Ivory | **P126I** | **PJ126I** | | |
| | | White | **P126W** | **PJ126W** | | |
|  | 1-Gang, 1-Single 1.40" Dia. Hole | Black | **P7BK** | **PJ7BK** | Brass | **SB7** |
| | | Brown | **P7** | **PJ7** | Stainless Steel | **SS7** |
| | | Gray | **P7GY** | **PJ7GY** | | |
| | | Ivory | **P7I** | **PJ7I** | | |
| | | White | **P7W** | **PJ7W** | | |
|  | 1-Gang, 1-Blank, Box Mount | Black | **P13BK** | **PJ13BK** | Brass | **SB13** |
| | | Brown | **P13** | **PJ13** | Stainless Steel | **SS13** |
| | | Gray | **P13GY** | **PJ13GY** | | |
| | | Ivory | **P13I** | **PJ13I** | | |
| | | White | **P13W** | **PJ13W** | | |

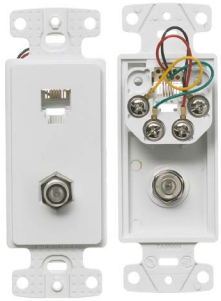
## Communication Frames and Connectors

### Hubbell Now Offers The Ability To Put 2 or 3 Communication Devices In a Single, Style Line® Plate

Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line® frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.



NS783W

### 2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

| Color | No. of Ports | Connection Type | Catalog Number |
|---|---|---|---|
| White | 2 | USOC, F-Type | **NS783W** |



NS612W



NS613W

### Style Line® Frames, 2 Port and 3 Port Unloaded

| Color | No. of Ports | Connection Type | Catalog Number |
|---|---|---|---|
| Black | 2 | – | **NS612BK** |
| Gray | 2 | – | **NS612GY** |
| Ivory | 2 | – | **NS612I** |
| White | 2 | – | **NS612W** |
| Black | 3 | – | **NS613BK** |
| Gray | 3 | – | **NS613GY** |
| Ivory | 3 | – | **NS613I** |
| White | 3 | – | **NS613W** |

### Category 6 Modular Keystone Jacks

| Color | Wiring | No. Positions | Catalog Number |
|---|---|---|---|
| Black | T568A/T568B | 8-Positions | **NSJ6BK** |
| Gray | T568A/T568B | 8-Positions | **NSJ6GY** |
| Ivory | T568A/T568B | 8-Positions | **NSJ6I** |
| White | T568A/T568B | 8-Positions | **NSJ6W** |



NSJ6W



NSJ5EW

### Category 5e Modular Keystone Jacks

| Color | Wiring | No. Positions | Catalog Number |
|---|---|---|---|
| Black | T568A/T568B | 8-Positions | **NSJ5EBK** |
| Gray | T568A/T568B | 8-Positions | **NSJ5EGY** |
| Ivory | T568A/T568B | 8-Positions | **NSJ5EI** |
| White | T568A/T568B | 8-Positions | **NSJ5EW** |



NSJUW

### USOC Modular Keystone Jacks

| Color | Wiring | No. Positions | Catalog Number |
|---|---|---|---|
| Black | USOC | 6-Positions | **NSJUBK** |
| Gray | USOC | 6-Positions | **NSJUGY** |
| Ivory | USOC | 6-Positions | **NSJUI** |
| White | USOC | 6-Positions | **NSJUW** |



SFFGEI

### F-Type Connector Keystone

| Color | Catalog Number |
|---|---|
| Black | **SFFGBK** |
| Gray | **SFFGGY** |
| Ivory | **SFFGEI** |
| White | **SFFGW** |

c UL us LISTED
Enclosures only.

## Boatyard Accessory Items

### Non-Metallic While-In-Use Weatherproof Covers



- High-impact polycarbonate construction provides maximum durability
- Patented keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Pre-configured for GFCI with patented knockout technology for alternate devices
- Lockable tab
- NEMA 3R rated
- EXTRA DUTY® 5800 Series covers meet or exceed the extra duty rating per UL 514D and are NEMA 3R rated
- 2017 NEC® Compliant (Article 406.9A & B)
- cULus Listed

### 1-Gang Weatherproof Covers for Vertical or Horizontal Mounting

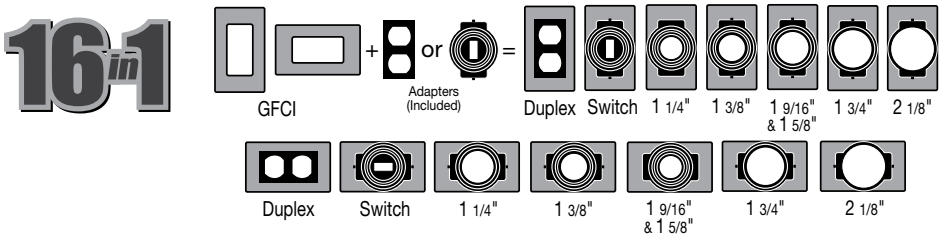
| Description | Standard | EXTRA DUTY® |
|---|---|---|
| Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below. | **RW57300** | **RW58300** |
| Jumbo, non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below. | **RW57350** | **RW58350** |


RW57300


RW58300


RW57350


RW58350



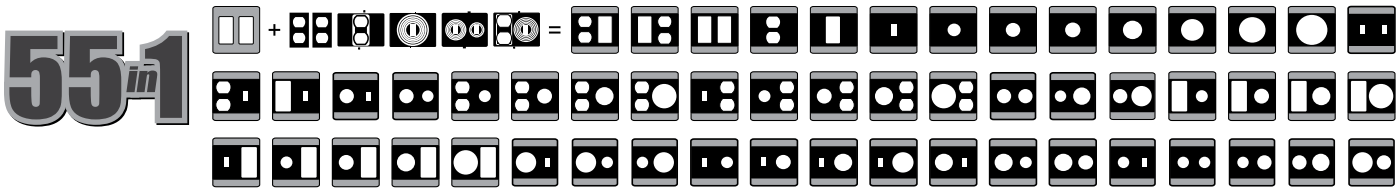

### 2-Gang Weatherproof Covers for Vertical Mounting Only

| Description | Standard | EXTRA DUTY® |
|---|---|---|
| Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 55-in-1 configurations below | **RW57750** | **RW58750** |

*Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets 2017 NEC 406.9 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.*


RW57750

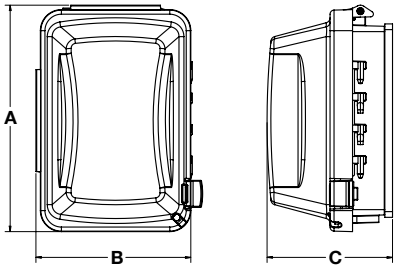

RW58750




Multiple combinations of duplex, GFCI, switch, and rounds: 1 1/4", 1 3/8", 1 9/16", 1 5/8", 1 11/16", 2 1/8", 2 /4", 2 7/16"

### Product Dimensions Inches (mm)

| | 1-Gang | | Jumbo, 1-Gang | | 2-Gang | |
|---|---|---|---|---|---|---|
| | Standard | EXTRA DUTY® | Standard | EXTRA DUTY® | Standard | EXTRA DUTY® |
| A | 5.54" (140.7) | 5.90" (149.9) | 5.54" (140.7) | 5.92" (150.4) | 5.54" (140.7) | 5.54" (140.7) |
| B | 3.79" (96.3) | 4.18" (106.2) | 3.79" (96.3) | 4.20" (106.7) | 5.43" (137.9) | 5.43" (137.9) |
| C | 3.07" (78.0) | 3.00" (76.2) | 5.08" (129.0) | 5.10" (129.5) | 3.07" (78.0) | 3.07" (78.0) |




*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the The National Electrical Code.*
*NEMA® is a registered trademark of The National Electrical Manufacturers Association.*

## Features and Benefits

### Stainless Steel Weatherproof and Watertight Flip Covers

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty #316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities. Meets Section 406.9 of NEC®.

- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover






### Flip Cover Design

- Manufactured in heavy duty #316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Horizontal and vertical mounting positions
- Duplex and GFCI versions



### Self-Closing Design

- Self-closing cover
- Neoprene gasket on underside of cover. For sealing when the cover is closed



**HBLSS83R**



**HBLSS263R**



**HBLSS84X**



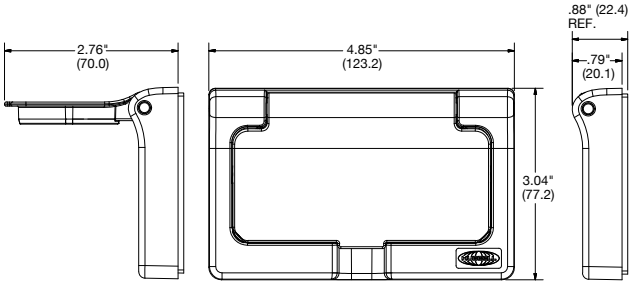
**HBLSS264X**

### Stainless Steel Weatherproof Flip Covers

| Description | Catalog Number |
|---|---|
| 1-Gang, stainless steel duplex, 3R, self-closing cover. | **HBLSS83R** |
| 1-Gang, stainless steel GFCI, 3R, self-closing cover. | **HBLSS263R** |
| 1-Gang, stainless steel duplex, 4X, latching cover. | **HBLSS84X** |
| 1-Gang, stainless steel GFCI, 4X, latching cover. | **HBLSS264X** |

### Product Dimensions Inches (mm)

| Catalog Number | Height | Width | Depth | Opening |
|---|---|---|---|---|
| HBLSS83R | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.62" (66.5) |
| HBLSS263R | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.76" (70.0) |
| HBLSS84X | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.62" (66.5) |
| HBLSS264X | 3.04" (77.2) | 4.85" (123.2) | .88" (22.4) | 2.76" (70.0) |




### Specifications

| | |
|---|---|
| Base & Cover | Stainless Steel |
| Hinge Pin & Spring | Stainless Steel |
| Base & Cover Gasket | Elastomer |
| Back Gasket | Eva Form |
| Ground Screw | Steel, Zinc Plated |
| Mounting Screw | Stainless Steel |

*Dimensions in Inches (mm)*

*NEC® is a registered trademark of the The National Electrical Code.*

## Boatyard Accessory Items

### Marine Grade Weatherproof Plates

| Description | Color | Catalog Number |
|---|---|---|
| Thermoplastic vertical spring-loaded lift cover plate for weatherproofing ground fault receptacles and decorator-type devices. Marine drip-proof rated with stainless steel hardware. **IP44 SUITABILITY.** | Gray<br>Yellow | **HBL5226**<br>**HBL52CM26** |
| Same as above except for horizontal mounting. | Gray<br>Yellow | **HBL5226H**<br>**HBL52CM26H** |
| Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 SUITABILITY.** | Gray<br>Yellow<br>White | **HBL5221**<br>**HBL52CM21**<br>**HBL52CM21W** |
| Same as HBL52CM21 except for mounting to standard boxes. | Gray<br>Yellow | **HBL5222**<br>**HBL52CM22** |
| Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | Gray<br>Yellow | **HBL7423WO**<br>**HBL74CM23WO** |
| Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | Gray<br>Yellow | **HBL7424WO**<br>**HBL74CM24WO** |
| Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | Gray<br>Yellow<br>White | **HBL7425WOA**<br>**HBL74CM25WOA**<br>**HBL74CM25WOAW** |
| Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 SUITABILITY.** | Gray<br>Yellow | **HBL7774WO**<br>**HBL77CM74WO** |



**HBL52CM26**



**HBL52CM21W**



**HBL52CM26H**

### Commercial Grade Weatherproof Plates

Available in a host of configurations—Twist-Lock® and straight blade receptacles in single or duplex as well as switches—these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

| Description | Catalog Number |
|---|---|
| Gray thermoplastic weatherproof lift cover for toggle switches (such as CS115). For vertical mounting in standard or FS/FD type boxes. | **HBL5201** |
| Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes. | **CWP8CR** |
| Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes. | **CWP26CR** |
| Same as CWP26CR except white in color. | **CWP26CRW** |



**HBL52CM21**



**HBL74CM23WO**



**CWP8CR**



**CWP26CR**



**HBL5201**



**HBL77CM74WO**

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Boatyard Accessory Items

### Marine Grade Dockside Boxes and Covers

30 cu. in. FD box made of high impact thermoplastic material. Accepts duplex and single receptacles up to 50A Twist-Lock®.







IMPROVED DESIGN



**Housing Design**

- ¾" NPT and 1" NPT threaded hub options
- 30 cu. in. FD box made of high impact thermoplastic material
- External mounting feet, accepts #10 screw
- Stainless steel mounting/grounding bracket



**Housing Design**

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Stainless steel mounting/grounding bracket



HBL60CM83A



HBL60CM88



HBLP14FS



HBL6081



HBL6082

### FD Boxes, Angled Adapters, Kits and Covers

| Boxes | Gray | White | Yellow |
|---|---|---|---|
| (2) ¾" NPT Hubs, FD Boxes | **HBL6083** | **HBL60CM83WA** | **HBL60CM83A** |
| (2) 1" NPT Hubs, FD Boxes | **HBL6084** | **HBL60CM84WA** | **HBL60CM84A** |
| **Adapters*** | | | |
| 55° Angle Adapters | **HBL6055*** | **HBL60CM55W*** | **HBL60CM55*** |
| **Kits** | | | |
| (2) ¾" NPT Hubs, Box/Adapter Kits | **HBL6083AK** | **HBL60CM83WAK** | **HBL60CM83AK** |
| (2) 1" NPT Hubs, Box/Adapter Kits | **HBL6084AK** | **HBL60CM84WAK** | **HBL60CM84AK** |
| **Covers** | | | |
| Blank Cover Plates | **HBLP14FS** | **HBL60CM88W** | **HBL60CM88** |

*Note: *Adapters are not UL Listed, nor UL Type 4X. For UL Type 4X rating, use receptacles in a FD box.*

### Marine Grade Dockside Boxes and Covers

| Description | Catalog Number |
|---|---|
| Black phenolic junction box with four ¾ in. (19.1) I.P.S. molded-in knock-outs. Has 4.13 in. (104.8) diameter and is 1.88 in. (47.6) deep. | **HBL6081** |
| Phenolic blank cover, ¼ in. (6.4) thick, for HBL6081 box. | **HBL6082** |
| Black phenolic blank cover plate. | **HBL6087** |
| Yellow Valox® blank cover plate for use with FS and FD type boxes. | **HBL60CM88** |

*Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.*

## Boatyard Accessory Items

### Non-Metallic Vapor-tight Incandescent Fixtures

These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

- UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements
- Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures
- High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal
- Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing
- High strength protective globe guard helps prevent accidental globe and lamp breakage
- Accommodates Type A incandescent lamps up to 150 watts
- UL 1598 Standard for luminaries
- UL 1598A Marine type luminaries



NVX15GHGA



NVA15GHGA

### Lighting and Lighting Fixtures

| Description | Catalog Number |
|---|---|
| Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included). | **NVX15GHGA** |
| Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included). | **NVA15GHGA** |
| Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture. | **NVBA** |
| Replacement guard to NVX15GHGA and NVA15GHGA. | **NVGA** |
| Heat resistant replacement globe for NVX15GHGA and NVA15GHGA. Made of tempered glass. | **VCGP100** |



NVBA



VCGP100

### Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

| Description | Catalog Number |
|---|---|
| A gray male PVC adapter with ¾ in. NPT pipe thread for adapting PVC conduit to FS and FD boxes with ¾ in. NPT hub (HBL6080, HBL60CM83). Not UL Listed. | **HBL6085** |

| Description | NPT Hub Size | Diameter Range | Catalog Number |
|---|---|---|---|
| Straight nylon cord connector | ½ in. | .25–.38 in. (6.4–9.5) | **HBL10CM22S** |
| | ½ in. | .38–.50 in. (9.5–12.7) | **HBL10CM23S** |
| | ¾ in. | .38–.50 in. (9.5–12.7) | **HBL10CM35S** |
| | ¾ in. | .50–.63 in. (12.7–15.9) | **HBL10CM36S** |
| | ¾ in. | .63–.75 in. (15.9-19.1) | **HBL10CM37S** |
| | 1.0 in. | .63–.75 in. (15.9-19.1) | **HBL10CM41S** |



HBL6085



HBL10CM22S

## Electrical Standards

### Codes and Specifications

**ABYC Standard, July 2015, E-11 Excerpts.**

**11.4 DEFINITIONS** – For the purposes of this standard, the following definitions apply.

**11.4.11** Equipment Leakage Circuit Interrupter (ELCI) - A residual current device which detects equipment ground fault leakage current and disconnects all current carrying conductors from the supply source at a preset trip threshold.

**11.4.14** Ground fault circuit interrupter (GFCI) - A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

**11.4.34** Watertight - Constructed so that water will not enter the enclosure under the test conditions specified in NEMA Standard 250, Type 6P or IEC Standard 60529 Type IP67.

**11.4.35** Weatherproof - Constructed or protected so that exposure to the weather will not interfere with successful operation under the test conditions specified in NEMA Standard 250, Type 3 or IEC Standard 60529 Type IP54.

**11.11 GROUND FAULT PROTECTION — AC SYSTEMS**

**11.11.1** An Equipment Leakage Circuit Interrupter (ELCI) or Type A Residual Current Device (RCD) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

**11.11.1.1** Trip level shall be a maximum of 30mA. The trip time shall be a maximum of 100ms.

**11.11.1.4** The ELCI shall be readily accessible.

*Note: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.*

**11.11.5** GFCI receptacle devices shall meet the requirements of Underwriters Laboratories' standard UL 943, Ground Fault Circuit Interrupters and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.

*Note: GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. (See E-11.13.3.5)*

**11.12 SWITCHES**

**11.12.1.1** Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load and shall be rated for the type of load, i.e., inductive or resistive.

**11.12.3.1** Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

**11.13 PLUGS AND RECEPTACLES**

**11.13.1.1 Receptacles shall be installed in locations not normally subject to rain, spray, or flooding but if receptacles are used in such areas the following shall apply:**

**11.13.1.1.1 Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof when not in use.**

*Note: Weatherproofing may be provided by means such as spring-loaded, self-closing, or snap type receptacle covers.*

**11.13.1.1.2** Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

**11.13.1.3** Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.

**11.13.3.1** Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Non-metallic Outlet Boxes, Flush Device Boxes And Covers.

**11.13.3.2** Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 11, Figure 12 and Figure 13 of ABYC E-11.

**11.13.3.3** Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductor(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y and Z or L1, L2 and L3.

**11.13.3.4** A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply permanently connected loads in excess of the following:

**11.13.3.4.1** 600 watts for a 15 ampere circuit.

**11.13.3.4.2** 1000 watts for a 20 ampere circuit.

**11.13.3.5** If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 5 milliamperes) Ground Fault Circuit Interrupter (GFCI). (See E-11.11.)

*Note: GFCI receptacle devices are not necessarily ignition protected per E-11.5.1.4.*

**11.6.2.2 SHORE POWER**

**11.6.2.2.2.1** Power Inlet - The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.

**11.6.2.2.2.2** Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.

**11.6.2.2.2.2.1** Power inlets installed in areas subject to flooding or momentary submersion shall be watertight whether or not in use.

**11.6.2.2.2.3** Metallic power inlets installed on metallic or carbon fiber reinforced boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On non-metallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.

**11.6.2.2.1.1** Shore Power Cable – On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.

**11.6.2.2.1.2** Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. (See Figure 12 and Figure 13 of ABYC E-11).

**11.6.2.2.1.3** The shore power cable shall be flexible cord with the minimum properties of Type SOW, STW, STOW, SEOW, or STOOW and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with Article 555 of the National Electrical Code. (See Figure 13 and Table VII-A of ABYC E-11).

*EXCEPTION: Pin and sleeve devices in accordance with Figure 14 of ABYC E-11.*

# SECTION BB

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**Circuit Testers, Adapters and Starters**



**Lockout Devices**



**Lampholders**




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## Features and Benefits

### Twist-Lock® Circuit Testers

The Hubbell Twist-Lock® Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a contractor, electrician, or entertainment stage crew, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.

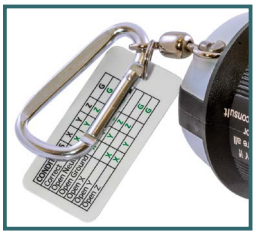
- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret
- UL 1436 listed





**Housing Design**

- Insulgrip® nylon housing for secure gripping
- Brass blades
- Steel (nickel plated) assembly screws
- Styles available: L21-20P, L21-30P, L5-20P, L5-30P, L5-30P Marine, L6-20P, L6-30P, L7-20P, L14-20P, L14-30P, L24-20P



**Attachment Clip**

- Carabiner style clip to secure to work belt




**Proper Connection**

- Easy to read LED output and condition tables

| CONDITIONS | X | Y | Z | G |
|---|---|---|---|---|
| Correct | X | Y | Z | G |
| Open Neutral | | | | G |
| Open Ground | X | Y | Z | |
| Open X | | Y | Z | |
| Open Y | X | | Z | G |
| Open Z | X | Y | | G |




| CONDITIONS | X | Y | Z | G |
|---|---|---|---|---|
| X & N Rev. | X | Y | Z | ▲ |
| Y & N Rev. | X | Y | Z | G ▲ |
| Z & N Rev. | X | Y | Z | G ▲ |
| X & G Rev. | | Y | Z | G ▲ |
| Y & G Rev. | X | | Z | G ▲ |
| Z & G Rev. | X | Y | | G ▲ |

## Twist-Lock® Circuit Testers

| Description | Rating | 20 Amp Configuration | 20 Amp Catalog Number | 30 Amp Configuration | 30 Amp Catalog Number |
|---|---|---|---|---|---|
| 3-Phase Circuit Tester | 3Ø 120/208V AC<br>Min. Voltage: 90V AC | NEMA L21-20P | **HBL3PT2511** | NEMA L21-30P | **HBL3PT2811** |
| Circuit Tester | 125V | NEMA L5-20P | **HBLT2311** | NEMA L5-30P | **HBLT2611**<br>**HBLT26CM11** (Marine) |
| | 250V | NEMA L6-20P | **HBLT2321** | NEMA L6-30P | **HBLT2621** |
| | 277V | NEMA L7-20P | **HBLT2331** | | |
| | 125/250V | NEMA L14-20P | **HBLT2411** | NEMA L14-30P | **HBLT2711** |
| | 347V | NEMA L24-20P | **HBLT3721** | | |
| | 128/208V AC | Non-NEMA | **HBLT3521** | | |

*Note: Testers in other NEMA configurations can be developed upon request.*



**HBL3PT2511**



**HBLT26CM11**

## SNAP*Connect*® Receptacle Wiring Tester with GFCI Test Button

| Description | Catalog Number |
|---|---|
| Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles. | **SNAPCTG** |



**SNAPCTG**

## Receptacle Circuit Tester

| Description | Catalog Number |
|---|---|
| Receptacle circuit tester. | **HBL5200** |

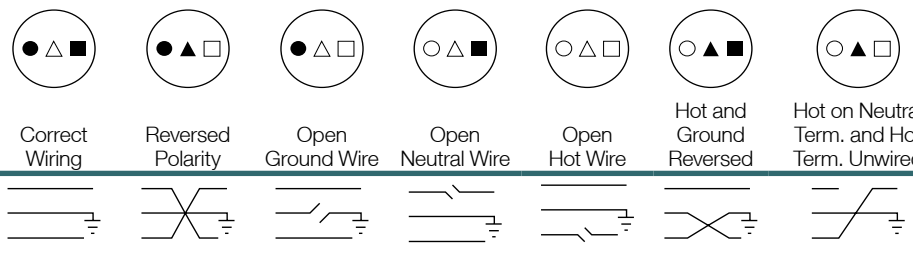
### How It Operates

The Hubbell HBL5200 Receptacle Circuit Tester has a simple arrangement of neon lights which visually indicate and identify various fault conditions in electrical circuits (see chart below). By plugging the HBL5200 Tester into a single phase, 125V, 2 pole, 3 wire outlet the combination of lighted and/or unlighted lamps will immediately indicate circuit condition.

- Large, easy to read symbols.
- Recessed indicating lamps with one piece Polycarbonate lens.
- Tough impact resistant nylon housing.
- User information and instructions printed on durable Polyester labels permanently attached to the tester.
- Rotatable labels can be easily read regardless of tester position.



**HBL5200**




*Note: □ △ ○ Indicates Unlighted Lamp. ■ ▲ ● Indicates Lighted Lamp.*
*When testing other receptacle types, use HBL5200 only with polarized adapters.*

***CAUTION:** This device introduces low level current into the grounding path. Use with caution in critical care areas.*

## GFCI Tester

| Description | Rating | Catalog Number |
|---|---|---|
| Ground fault tester. | 120V AC | **GFT2G** |

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA. Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.



**GFT2G**

## Features and Benefits

### Adapters and Fluorescent Starters

- Available in 6 diferent configurations
- One female slot end and one male blade end
- UL listed, except for adapter **HBL31CM29**






HBL2271



HBL5273L



HBL5289



9053A



9054A




FS2

## Nylon Convenience Adapters

**NEMA Configuration**

| Catalog Number | HBL2270 | HBL2271 | HBL2128 | HBL2274 | HBL2129 | HBL31CM29* |
|---|---|---|---|---|---|---|
| Male Blade End | 15A 125V NEMA 5-15P | 15A 125V NEMA 5-15P | 15A 125V NEMA 5-15P | 15A 125V NEMA L5-15P | 20A 125V NEMA L5-20P | 30A 125V NEMA L5-30P |
| Female Slot End | 20A 125V NEMA 5-20R | 15A 125V NEMA L5-15R | 20A 125V NEMA L5-20R | 20A 125V NEMA 5-20R | 20A 125V NEMA 5-20R | 20A 125V NEMA 5-20R |

*Note: *Not UL Listed.*

***CAUTION:*** *Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use.*
*(1) Remember that overcurrent protection is determined by the blade end.*
*(2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating.*
*(3) Adapters do not provide GFCI, overcurrent or short circuit protection.*

## Plug In Adapters

| Description | Catalog Number |
|---|---|
| Male end - 2 wire parallel polarized blades, 15A, 125V.<br>Female end - 3 wire 15A, 125V straight slot grounding. | **HBL5273L** |
| Male end - 3 wire crow foot 15A, 125V blades.<br>Female end - 3 wire 15A, 125V straight slot grounding. | **HBL5289♦*** |
| Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock® blades.<br>Female end - 3 wire 15A, 125V straight slot grounding. | **9053A♦*** |
| Male end - 3 wire 15A, 125V straight blade grounding.<br>Female end - 10A, 250V, 15A 125V Twist-Lock® slots. | **9054A♦*** |

*Note: ♦Must always be used with a grounded receptacle.*
**Not UL Listed.*

## Fluorescent Starters

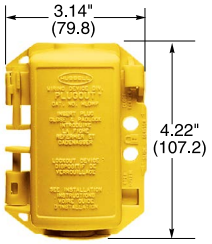
| Neostart | Lamps | Catalog Number |
|---|---|---|
| The Hubbell Neostart is a glow discharge type of starter which combines fast starting speed with rugged, dependable operation. The Neostart lights the lamp very rapidly and insures proper lamp operation throughout rated life. Because of its rugged construction, it can be depended upon to withstand continued punishment resulting from lamp failure. In addition, it operates satisfactorily over a wide temperature range. In dual lamp circuits, the Neostart lights both lamps quickly and uniformly. | 14, 15 and 20 watt lamps | **FS2** |
| | 13, 30 and 40 watt lamps | **FS4** |
| | 4, 6 and 8 watt lamps | **FS5** |
| | 22 watt circle line, 25 watt standard lamps | **FS25** |

## Lockout Devices

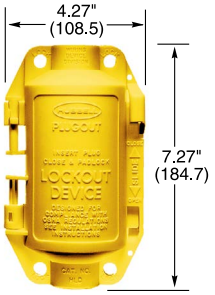
### PLUGOUT®, Keyed PLUGOUT® and SWITCHOUT® Lockout Devices

| Description | Typical Devices Accommodated | Catalog Number |
|---|---|---|
| Small yellow lockout device. | 15 and 20A straight blade plugs. 15A Twist-Lock® plugs. | **HLDMP** |
| Medium yellow lockout device. | 15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock® plugs. | **HLD** |
| Large yellow lockout device. | 20, 30 and 60A metallic and non-metallic Pin and Sleeve, Hubbellock® and 50A Twist-Lock® plugs. | **HLD2** |
| Yellow SWITCHOUT device. | Toggle switch. | **HSLDPK2*** |
| Yellow lockout kit. | One each of above lockout devices. | **HLDKIT** |
| Yellow keyed PLUGOUT, keyed differently. | 15 and 20A, 125V straight blade plugs with holes in blades. | **HKLD** |

*Note: *Two devices per package.*




**HLDMP**




**HLD**




**HSLDPK2**

### Cord Grip

| Description | Catalog Number |
|---|---|
| Cord grip for ½ inch knockouts. | **HBL112*** |

*Note: *Not UL Listed.*



**HBL112**

## Lampholders

Lampholders provide lighting in unfinished areas, such as attics and basements.

### Porcelain White Lampholders





| Catalog Number | RL8804 | RL8806 | RL8812 | RL8816 | RL8822 |
|---|---|---|---|---|---|
| Description | Keyless, 4 Terminal Screws | Keyless, 6 inch Pigtails | Pull Chain, 2 Terminal Screws | Pull Chain, 6 inch Pigtails | Pull Chain with Receptacle, 2 Terminal Screws |
| Rating | 660W 250V | 660W 250V | 660W 250V | 660W 250V | 660W 125V 15A 125V NEMA 5-15R |

### Plastic White Lampholders




| Catalog Number | RL8504 | RL8506 | RL8512 | RL8516 |
|---|---|---|---|---|
| Description | Keyless, 4 Terminal Screws | Keyless, 6 inch Pigtails | Pull Chain, 2 Terminal Screws | Pull Chain, 6 inch Pigtails |
| Rating | 660W 600V | 660W 600V | 660W 250V | 660W 250V |

### Incandescent Brass Lampholders, Medium Base







| Catalog Number | RL101* | RL102* | RL105* | RL100** | RL106* |
|---|---|---|---|---|---|
| Description | Turn Knob, On/Off | Turn Knob, Three Way | Push Through, On/Off | Keyless | Pull Chain, On/Off |
| Rating | 250W 250V | 250W 250V | 660W 250V | 660W 250V | 660W 250V |

*Note: *UL or cUL.*
***UL or CSA.*

## Fluorescent Lampholders

### Compact Flourescent Lampholders








| Catalog Number | RL479HSM | RL413HSI | RL413HSM | RL426G24 | RL42G11HSM | RL42G11H9 |
|---|---|---|---|---|---|---|
| Description | G23 base | GX23 base | GX23 base | G24Q-3, GX24Q-4 | 2G11 base, 4 pin | 2G11 base, 4 pin |
| Lamp Type | 5W, 7W, 9W | 13W | 13W | 26-32W | 18-55W | 18-55W |
| Rating | 75W, 600V | 75W, 600V | 75W, 600V | 75W, 600V | 75W, 600V | 75W, 600V |
| Mounting | Horizontal, screw-down | Horizontal, snap-in | Horizontal, screw-down | Horizontal, screw-down | Horizontal, screw-down | Vertical 90°, snap-in |

**RL42G11C**



Clip for 2G11 Base Lampholders, Adjustable, Snap-in

### High Output Fluorescent Lampholders








| Catalog Number | RL305* | RL306* | RL307 | RL308 | RL356 | RL357 |
|---|---|---|---|---|---|---|
| Description | Plunger | Fixed | Plunger | Fixed | Plunger | Fixed |
| Lamp Type | Horizontal - Recessed double contact | Horizontal - Recessed double contact | Horizontal - Recessed double contact | Horizontal - Recessed double contact | Vertical - Power groove & jacketed lamps | Vertical - Power groove & jacketed lamps |
| Rating | 660W, 600V | 660W, 600V | 660W, 600V | 660W, 600V | 660W, 600V | 660W, 600V |
| Mounting | Pedestal, slide-on | Pedestal, slide-on | Slide-on, snap-in | Slide-on, snap-in | Slide-on, snap-in | Slide-on, snap-in |

*Note: *UL or cUL.*

### Medium Bi-Pin Fluorescent Lampholders - T8 and T12





| Catalog Number | RL320 | RL325 | RL325B |
|---|---|---|---|
| Description | Disconnect 4 wire | Disconnect 4 wire | Shunted 2 wire |
| Lamp Type | Bi-pin/tall profile | Bi-pin/low profile | Bi-pin/low profile |
| Rating | 660W, 600V | 660W, 600V | 660W, 600V |
| Mounting | Slide-on and snap-in with captive nut | Slide-on and snap-in with captive nut | Slide-on and snap-in |

### Slimline Type Fluorescent Lampholder




| RL310* | RL311* |
|---|---|
| Plunger | Fixed |
| Single pin | Single pin |
| 660W, 600V | 660W, 600V |
| Slide-on and snap-in | Slide-on and snap-in |

*Note: *UL or cUL.*

## Incandescent Lampholders

### HID Incandescent Lampholders, Porcelain Keyless





| Catalog Number | RL4221* | RL5221 | RL3742 |
|---|---|---|---|
| Description | Mogul base | Mogul base | Medium base prefocus |
| Lamp Type | E39 socket | EX39 socket | Bayonet socket |
| Rating | 1500W, 600V Max, 4KV or 5KV PULSE | 1500W, 600V Max, 5KV PULSE | 1200W, 250V |
| Mounting | Screw mount, 12 inch leads | Screw mount, 12 inch leads | Screw mount |

*Note: *UL Listed, CSA Certified.*

### Straight Body Keyless Porcelain






| Catalog Number | RL162 | RL156 | RL157 | RL160 | RL158 | RL159 |
|---|---|---|---|---|---|---|
| Description | Medium base | Medium base | Medium base | Medium base | Medium base, low profile | Medium base, shallow base |
| Lamp Type | E26 socket | E26 socket | E26 socket | E26 socket | E26 socket | E26 socket |
| Rating | 660W, 250V | 660W, 250V | 660W, 250V | 660W, 250V | 660W, 250V | 660W, 250V |
| Mounting | Screw mount, screw terminals | Screw mount, 12 inch leads | NPSF1/8 hickey with terminals | NPSF1/8 hickey with 12 inch leads | Front mount, panel mount snap-in | Front mount, panel mount snap-in |

### Surface and Sign Mount, Medium Base






| Catalog Number | RL152 | RL153 | RL161 | RL163 | RL164 |
|---|---|---|---|---|---|
| Description | Medium base, Porcelain, Pony Cleat | Medium Base, Plastic, Black, Pony Cleat | Medium base, Porcelain | Medium base, Porcelain | Medium base, Porcelain |
| Lamp Type | E26 socket | E26 socket | E26 socket | E26 socket | E26 socket |
| Rating | 660W, 600V | 660W, 250V | 660W, 250V | 660W, 250V | 660W, 250V |
| Mounting | 1 piece, surface mount | 1 piece, surface mount | 2 piece, surface mount | 2 piece, sign mount with leads | 2 piece, sign mount with terminals |

## Lampholder Accessories

### Incandescent Lampholders, Medium Base





| Catalog Number | RL124* | RL124H | RL202 |
|---|---|---|---|
| Description | Pigtail Medium Base Socket with 6 inch Leads, Rubber with #18 Gauge Wire | Phenolic Medium Base Socket with Hook, Insulation Piercing Termination | Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets without Ground |
| Rating | 660W 250V | 660W 250V | 660W 125V<br>15A 125V |

*Note: *cCSAus Certified only.*

### Incandescent Adapters, Medium Base






| Catalog Number | RL150 | RL154 | RL200 | RL201 |
|---|---|---|---|---|
| Description | Medium to medium base extension, Screw-in, E26 to E26 socket | Mogul to medium base adapter, Screw-in E39 to E26 socket | Outlet Adapter, 2 Prong Plug to Medium Lampholder | Medium Lampholder Adapter, Medium Lampholder to Outlet without Ground |
| Rating | 250W, 250V | 660W, 250V | 15A 660W 125V<br>15A 125V<br>NEMA 1-15R | 15A 125V<br>NEMA 1-15R |

### Lamp Switches

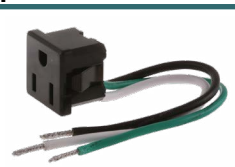
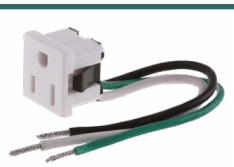





| Catalog Number | RL120 | RL121 | RL122 | RL125 |
|---|---|---|---|---|
| Description | Pull chain switch, 2 circuit, L1/L2/L1+L2/off | Pull chain switch, SPST on/off | Pull chain switch, L1/L2/L3/off | Rotary switch, SPST on/off |
| Rating | 6A 125V AC, 3A 250V AC, 3A 125V “L” | 6A 125V AC, 3A 250V AC, 3A 125V “L” | 6A 125V AC, 3A 250V AC | 6A 125V AC, 3A 250V AC, 3A 125V “L” |

*Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.*

### Snap-in Receptacles

| Catalog Number | RR374 | RR374W |
|---|---|---|
| Description | Single receptacle, Black | Single receptacle, White |
| Rating | 15A 125V, 3 wire NEMA 5-15R | 15A 125V, 3 wire NEMA 5-15R |

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm).
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm).
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads.
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead.

# Other Wiring Products

## Taps, Adapters, Plugs and Connectors

### Taps and Adapters







| Color | | | | | |
|---|---|---|---|---|---|
| Ivory | **RT600I** | **RT300I** | — | **RT200*** | — |
| Orange | — | — | **RT303** | — | — |
| White | **RT600W** | **RT300W** | — | — | **RT100W** |
| Description | Duplex Receptacle to Six Outlets with Ground | Single Receptacle to Three Outlets with Ground | Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground | Two Wire to U-Ground | Cube Tap without Ground |
| Rating | 15A 125V AC NEMA 5-15 | 15A 125V AC NEMA 5-15 | 15A 125V AC NEMA 5-15 | 15A 125V AC NEMA 5-15 | 15A 125V AC NEMA 1-15 |

*Note: *UL Listed only.*

### Plugs and Connectors







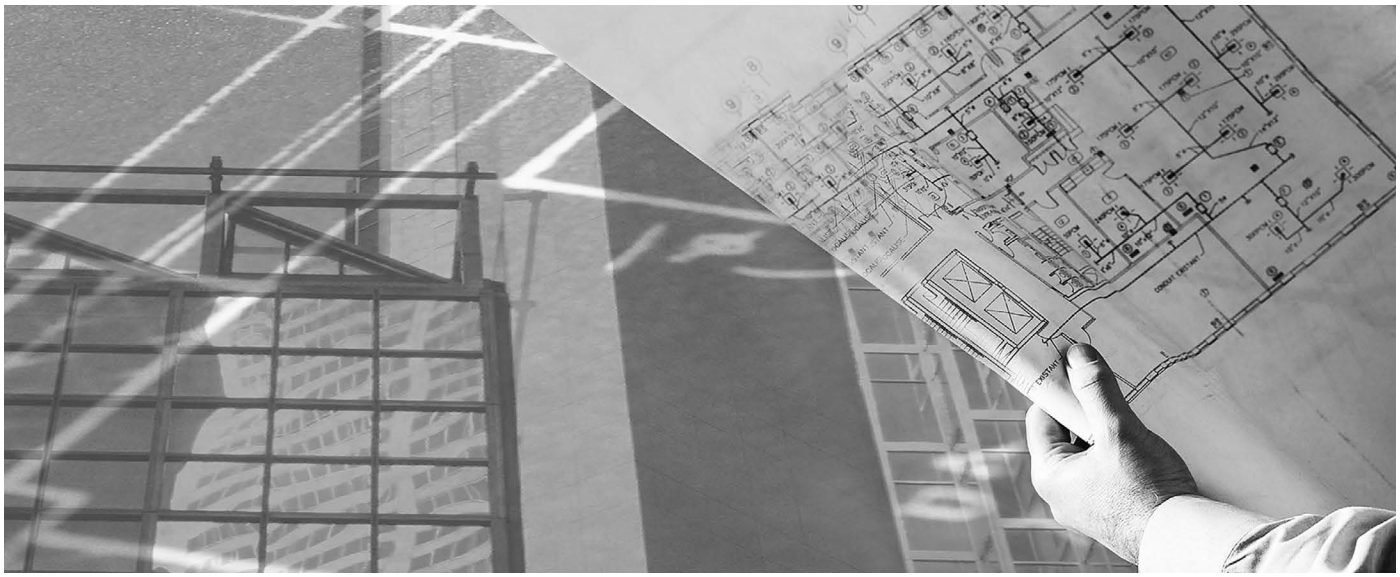
| Color | | | | | |
|---|---|---|---|---|---|
| Black | **RP101BK** | **RP102BK** | **RP646** | **RP648** | **RP649** |
| White | **RP101W** | **RP102W** | — | — | — |
| Description | Straight Plug, Polarized, Two Blade Light Duty | Straight Connector, Polarized, Two Blade, Light Duty | Straight Plug, Non-Polarized, Two Blade, Heavy Duty | Straight Plug, Polarized, Two Blade, Heavy Duty | Straight Connector, Polarized, Two Blade, Heavy Duty |
| Wire Range Cord | #16,18 AWG, Up to .250 inch Dia. | #16,18 AWG, Up to .250 inch Dia. | #14-18 AWG, Up to .330 inch Dia. | #14-18 AWG, Up to .330 inch Dia. | #14-18 AWG, Up to .330 inch Dia. |
| Rating | 15A 125V NEMA 1-15P | 15A 125V NEMA 1-15P | 15A 125V NEMA 1-15P | 15A 125V NEMA 1-15P | 15A 125V NEMA 1-15P |



| Color | |
|---|---|
| Ivory | **RP123I** |
| White | **RP123W** |
| Description | Straight Plug, Non-Polarized, Two Blade |
| Cord | SPT 1 and 2 Cord 18/2 & 16/2 AWG |
| Rating | 15A 125V NEMA 1-15P |

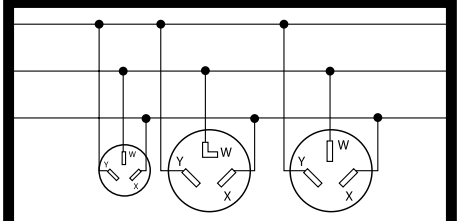
# SECTION Tech

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**Electrical Symbols and Abbreviations**

| | |
|---|---|
| Push Button | Buzzer |
| Bell | Annunciator |
| Outside telephone | |
| Interconnecting telephone | |
| Telephone switchboard | |
| Bell ringing transformer | |
| Electric door opener | |


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## Product Standards and Installation Codes

Standards and codes of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

**The American Boat and Yacht Council Inc. (ABYC)** is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

**UL LLC, formely Underwriters Laboratories Inc. (UL)** A for-profit corporation, operating in two distinct roles, as a certifier and testing facility, and as a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property." On January 1, 2012, UL moved to a for-profit structure.

Separate from product certifications, UL develops consensus safety standards for the U.S. UL evaluates products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. Electrical inspectors or other Authorities Having Jurisdiction (AHJs) use UL Listings of products to determine acceptability of electrical installations. It is important to remember that UL is not an approval agency. It approves nothing, but lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

**CSA Group, formerly Canadian Standards Association (CSA)** is a not-for-profit membership-based association and performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). CSA Standards develops product safety standards for Canada, which parallel UL standards in many aspects but are not always identical. CSA International evaluates products and grants paying clients "Certification" that their products meet CSA Standards. CSA Standards also sponsors the Canadian Electrical Code (CE Code).

**American National Standards Institute, Inc. (ANSI)** as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality), ISO 14000 (environmental) and ISO 17025 (laboratory) management systems.

**The International Electrotechnical Commission (IEC)** is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a

component or system manufactured to IEC standards and manufactured in country A can be sold and used in countries B through Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

**The National Electrical Code® (NEC®)**
The NEC is a model installation code developed by NFPA's Committee on the National Electrical Code®, which consists of 19 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70. The NEC must be adopted locally by legislation or regulation.

First published in 1897, the NEC is updated and published every three years. The 2017 edition will be published in October 2016. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated to the most recent edition.

**National Electrical Manufacturers Association (NEMA®)** An organization of over 450 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it, standards are developed for electrical distribution.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA standards, such as ANSI/NEMA WD 6, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase. NEMA does not evaluate or certify products or enforce regulations.

**General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS)** provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

**Occupational Safety and Health Administration (OSHA)** is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

**Canadian Electrical Code, Part I (CE Code)**
The CE Code is a model installation code developed by the Committee on CE Code, Part I, composed of members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually to address reports submitted by 43 section subcommittees. Work on CE Code, Part I is sponsored by CSA Standards. The product standards of CSA Standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and published every three years, prior to 2006 every four years. The 2012 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

**NSF International, formerly National Sanitation Foundation (NSF)** NSF International is a not-for-profit organization founded in 1944 from the University of Michigan's School of Public Safety. NSF develops public health standards, and provides and enforces certifications to protect food, water, and beverages. NSF is the leading certifier of food service equipment.

## Certification Agencies and Markings

### Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 and 20 Amp Straight Blade Receptacles
Products that carry certification marks must meet the specific testing standards indicated

| Certification Mark | Description | UL 498 | CSA, C22.2 No. 42 | UL 498 Hospital Grade | CSA, C22.2 No. 42 M Hospital Grade | DESC WC596 |
|---|---|---|---|---|---|---|
| **Spec Grade*** | Self Certified, No Testing Required- Advertising/Trade Name | | | | | |
| | Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA). | X | | | | |
| | Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA). | X | | | | |
| | Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market. | X | | | | |
| | Products found with this mark are certified primarily for the Canadian market. | | X | | | |
| | Products intended for US and Canada. | X | X | | | |
| • Hospital Grade | In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards. | X | | X | | |
| • Hospital Grade | In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards. | | X | | X | |
| Fed. Spec. | In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596. | X | | | | X |
| Fed. Spec. • Hospital Grade | In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596. | X | | X | | X |

*Note: *Includes such variation as Premium Spec, Super Spec, etc.*
***End Product test also required.*

### Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

## Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

**Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.**

| | |
|---|---|
| ANSI | American National Standards Institute. |
| CANENA | Consejo de Armonizacion de los Naciones de America. |
| CSA | Canadian Standards Association. |
| IEC | International Electrotechnical Commission. |
| IEEE | Institute of Electrical & Electronics Engineers, Inc. |
| ISA | The Instrumentation, Systems and Automation Society. |
| ISO | International Organization for Standardization. |
| LEEDS | Leadership in Energy and Environmental Design. |
| NFPA | National Fire Protection Association, Inc. |
| NSF | National Sanitation Foundation. |
| SAE | Society of Automotive Engineers. |
| SME | Society of Manufacturing Engineers. |
| USGBC | United States Green Building Council. |
| UL | Underwriters Laboratories Inc. |

**Installation Codes**

| | |
|---|---|
| CEC Part I | Canadian Electrical Code, Part I. |
| NEC® | National Electrical Code®. |
| NOM | Normas Oficiales Mexicanas (Mexican Electrical Code). |

**Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.**

| | |
|---|---|
| ABYC | American Boat and Yacht Council. |
| ASTM | American Society for Testing and Materials. |
| BICSI | Building Industry Consulting Services International. |
| BOMA | Building Owner Management Association. |
| CANAME | Camara Nacional de Manufacturas Electricas. |
| CEMRA | Canadian Electrical Manufacturers Representative Association. |
| ECOC | Electrical Contractors of Canada. |
| EF-C | Electro-Federation-Canada. |
| EIA | Electronic Industries Alliance. |
| EPRI | Electric Power Research Institute. |
| IAEI | International Association of Electrical Inspectors. |
| IECI | Independent Electrical Contractors International. |
| IFMA | International Facilities Management Association. |
| NAED | National Association of Electrical Distributors. |
| NAW | National Association of Wholesalers. |
| NECA | National Electrical Contractors Association. |
| NEMA | National Electrical Manufacturers Association. |
| NEMRA | National Electrical Manufacturers Representatives Association. |
| NMDA | National Marine Distributor Association. |
| NMRA | National Marine Representative Association. |
| SEMI | Semi Conductor Equipment and Material International. |
| TIA | Telecommunication Industry Association. |

# General Technical Data

## Codes and Standards Organizations

For convenience, the following listings define common acronyms for a variety of organizations.

**Certification Agencies:** Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.

| | |
|---|---|
| ANCE | National Association of Normalization and Certification of the Electrical Sector. |
| BSI | British Standards Institute. |
| CE | Self Certification Marking of European Community. |
| CCC | China Compulsory Certification. |
| CSA | Canadian Standards Association or CSA International. |
| FM | Factory Mutual. |
| NRTL | Nationally Recognized (by OSHA) Testing Laboratory. |
| PSE | Product Safety Electrical Appliance and Material (Japan). |
| TÜV | TÜV Rheinland of N.A., Inc. |
| UL | Underwriters Laboratories Inc. |
| VDE | Verband Deutscher Elektrotechniker (Germany). |

*Note: Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.*

**Government Agencies**

| | |
|---|---|
| DSCC | Defense Supply Center – Columbus. |
| EU | European Union. |
| FCC | Federal Communications Commission. |
| IAPA | Industrial Accident & Prevention Association (Canada). |
| OSHA | Occupational Safety and Health Administration. |

**Copies of standards referred to on the preceding pages may be purchased from the following:**

**American Boat and Yacht Council, Inc. (ABYC)**
613 Third Street, Suite 10
Annapolis, MD 21403
USA

**The American National Standards Institute (ANSI)**
25 West 43rd Street,
(between 5th and
6th Avenues), 4 floor
New York, NY 10036

or

1819 L Street, NW
(between 18th and
19th Streets), 6th floor
Washington, DC 20036
USA

**CSA Group (CSA)**
178 Rexdale Boulevard
Toronto, Ontario
M9W 1R3
CANADA

**National Electrical Manufacturers Association (NEMA)**
1300 North 17th Street
Rosslyn, VA 22209
USA

**National Fire Protection Association (NFPA)**
1 Batterymarch Park
Quincy, MA 02169-7471
USA

**NSF International (NSF)**
789 North Dixboro Road
Ann Arbor, MI 49105
USA

**The International Electrotechnical Commission (IEC)**
IEC Central Office
3, rue de Varembé
P.O. Box 131
CH - 1211 GENEVA 20
Switzerland

**Asociacion Nacional de Normalizacion y Certificacion del Sector Electrico A.C. (NOM – ANCE)**
Ibsen No.13,
Colonia Chapultepec Polanco,
C.P.11560 México, D.F.,
Conmutador 5280-6775

**Occupational Safety and Health Administration (OSHA)**
Occupational Safety & Health Administration
200 Constitution Avenue, NW
Washington, DC 20210
USA

**UL LLC (UL)**
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
USA

## AC Switch Data and Horsepower Explanation

### AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc. thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

### Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc. and certified by CSA International, all 15, 20 and 30 amperes 120/277V AC switches must perform, without failure, the following sequence of tests.

1. An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.

2. 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.

3. 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.

4. 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.

5. Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees Celsius.

6. A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

### Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the manual motor controllers for that operating voltage as well as for lower HP ratings.

To qualify for an HP rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the HP rating marked on the switch. (For DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (3) three samples. For ¾ HP 120 - 240 volts AC rating, (2) two sets of (3) three samples each are tested in addition to the regular overload, endurance, temp. rise and dielectric tests. The test circuit characteristics are:

| | **For ¾ HP 120V AC** | **For ¾ HP 240V AC** |
|---|---|---|
| Closed Circuit Volts | 120 volts AC | 240 volts AC |
| Current | 82.8 amps | 41.4 amps |
| Power Factor | 0.40-0.50 | 0.40-0.50 |

*Note: Current at 240V AC is ½ that at 120V AC*

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

## Wiring Device Standards and Testing

### Wiring Device Standards

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:

**General Use - UL 498** – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).

Fed. Spec.

**Fed. Spec. - W-C-596** – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirement (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.

• Hospital Grade

**Hospital Grade** – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.

Fed. Spec.
• Hospital Grade

**Hospital Grade Fed. Spec.** – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Hubbell Hospital Grade devices are UL listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

## Wiring Device Standards and Testing

### Testing for Hospital Grade and Fed. Spec. Listing of Hubbell Receptacles, Plugs and Connectors

All Hubbell Hospital Grade products are tested quarterly in our factories with Underwriters Laboratories.

### Receptacles

**Fed. Spec. Test: Ground Pin Retention Test** - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

**Fed. Spec. Test: Power Blade Retention Test** - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

**HG Test: Abrupt Removal of Plug Test** - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

**Fed. Spec. Test: Assembly Security Test** - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

### Plugs and Connectors

**HG Test: Impact Test** – A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

**HG Test: Mechanical Drop Test** – The cord connector is wired to #18 AWG flexible cord and suspended horizontally. It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

**HG Test: 500 Pound Crush Test** – A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

**HG Test: Strain Relief Test** – While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

## RoHS, WR, TR and LED Power Descriptions

### RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

### Weather Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.9; all 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

### Tamper-Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.12 now addresses all 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles in the areas specified in 406.12(1) through (7) shall be listed tamper-resistant receptacles. New occupancies have been added to the receptacle tamper-resistant requirements: Dwelling units, guest rooms and guest suites of hotels and motels, child care facilities, preschools and elementary education facilities, business offices, corridors, waiting rooms and in clinics, medical and dental offices and outpatient facilities, places of waiting transportation, gymnasiums, skating rinks, auditoriums and dormitories.

### LED Power Indicators

Most popularly used to identify emergency circuits in hospitals, the LED power indicators are bright enough to be visible in low light as well as bright daylight conditions.

### Tamper-Resistant SG Series Duplex Receptacle, Hospital Grade. How the SG Tamper-Resistant Receptacle Works.

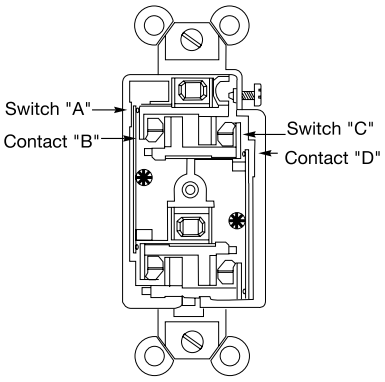



**Figure 1**

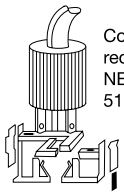



**Figure 2**

As shown in Figure 1, Switch “A” energizes the left hand Contact “B” and Switch “C” energizes the right hand Contact “D”. The same arrangement applies to the lower portion of the outlet.

If, for example, a metallic object is inserted into the left power Contact “B” only, the object is not energized because it requires the additional insertion of a similar object in the opposite Contact “D” to move the slider to close Switch “A”.

Similarly, if an object is inserted into the right hand slot only, it cannot become energized unless and additional object is inserted in the opposite slot to close Switch “C”.

In other words it requires the presence of an object in both right and left hand contacts to energize the device. This condition is in practice fulfilled only by the insertion of the proper electrical plug as shown in Figure 2.

Remember, this receptacle can be used with either a 2 or 3 wire plug. No other tamper-resistant receptacle on the market can provide you with greater reliability and durability than the Hubbell hospital grade tamper resistant receptacle.

Complies with requirements of NEC Section 517-18(c).

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## NEMA and IEC Classifications

### Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

### Conversion of NEMA Type Numbers to IEC Classification Designations

(Cannot be used to convert IEC classification designations to NEMA type numbers)

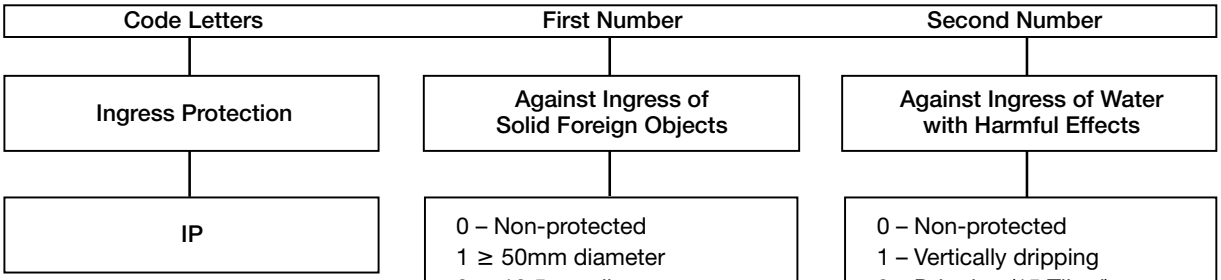
| NEMA Enclosure Type Number | IEC Enclosure Classification Designation | Basic Description |
|---|---|---|
| 1 | IP10 | General Purpose |
| 2 | IP11 | Dripproof- Indoor |
| 3 | IP54 | Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor |
| 3R | IP14 | Rainproof and Sleet (Ice) Resistant- Outdoor |
| 3S | IP44, IP54 | Dusttight, Raintight and Sleet (ice) Proof- Outdoor |
| 4 | IP56 | Watertight and Dusttight- Indoor and Outdoor |
| 4X | IP56 | Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor |
| 5 | IP52 | Superseded by Type 12 for Control Apparatus |
| 6 | IP67 | Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor |
| 12 | IP52 | Industrial Use, Dusttight and Driptight- Indoor |
| 12K | IP52 | Industrial Use, Dusttight and Driptight with Knockouts- Indoor |
| 13 | IP54 | Oiltight and Dusttight- Indoor |

### Elements of the IP Code and Their Meanings - *In Accordance with Standard IEC 60529*

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, the higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

### Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion

**Meaning for the Protection of Equipment**




The numerals stand for the following:

1. First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
2. Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

## Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

| | NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum) | UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations | CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures |
|---|---|---|---|
| **Designation** | **Intended Use and Description** | **Intended Use and Description** | **Intended Use and Description** |
| **Definition** | An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions. | Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions. | Enclosures…provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions. |
| **Type 1** | Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt. | Indoor use primarily to provide a degree of protection against limited amounts of falling dirt. | No CSA equivalent. |
| **Type 2** | Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of non-corrosive liquids. | Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt. | An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt. |
| **Type 3** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure. | Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure. |
| **Type 3X** | Same as above and corrosion resistant. | Same as above and corrosion resistant. | Same as above and corrosion resistant. |
| **Type 3R** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure. | Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure. |
| **Type 3RX** | Same as above and corrosion resistant. | Same as above and corrosion resistant. | Same as above and corrosion resistant. |
| **Type 3S** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden. | Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered. |
| **Type 3SX** | Same as above and corrosion resistant. | Same as above and corrosion resistant. | Same as above and corrosion resistant. |
| **Type 4** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure. | Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure. |
| **Type 4X** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure. | Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion. |

## Enclosure Types for Self-Certified Non-Hazardous (Unclassified) Locations

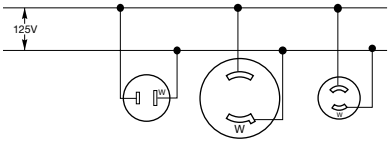
| | NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum) | UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations | CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures |
|---|---|---|---|
| **Designation** | **Intended Use and Description** | **Intended Use and Description** | **Intended Use and Description** |
| **Type 5** | Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids. | Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping non-corrosive liquids. | An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings. |
| **Type 6** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure. | Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure. |
| **Type 6P** | Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure. | Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation. | An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion. |
| **Type 12** | Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids. | Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids. | An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts. |
| **Type 12K** | Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids. | Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids. | An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts. |
| **Type 13** | Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and seepage of water, oil, and non-corrosive coolants. | Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant. | An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; seepage and spraying of non-corrosive liquids including oils and coolants. |

## Circuit Wiring Diagrams

### Wiring Diagrams for NEMA Configurations

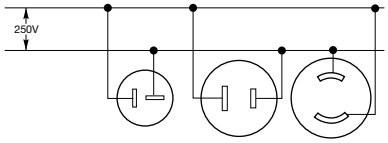
(Configurations shown are for female devices)

#### 125V – 2P, 2W



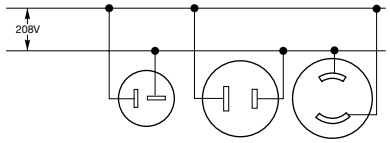

**ANSI/NEMA WD-6** 1-15R L1-15R ML1-R

#### 250V – 2P, 2W



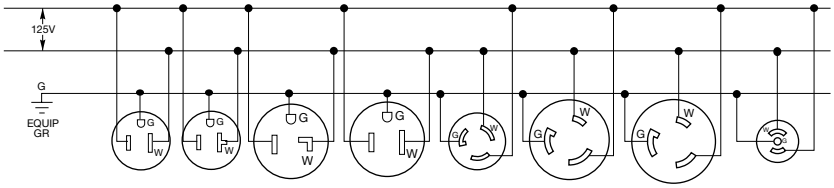

**ANSI/NEMA WD-6** 2-20R 2-30R L2-20R

#### 208V AC Line-to-Line* – 2P, 2W



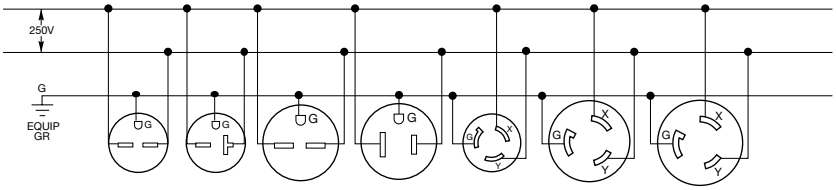

**ANSI/NEMA WD-6** 2-20R 2-30R L2-20R

#### 125V – 2P, 3W – Grounding



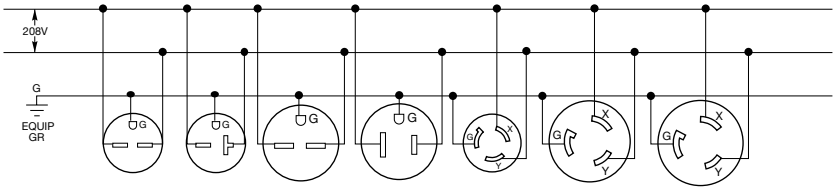

**ANSI/NEMA WD-6** 5-15R 5-20R 5-30R 5-50R L5-15R L5-20R L5-30R ML2-R

#### 250V – 2P, 3W – Grounding




**ANSI/NEMA WD-6** 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

#### 208V AC Line-to-Line* – 2P, 3W – Grounding




**ANSI/NEMA WD-6** 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

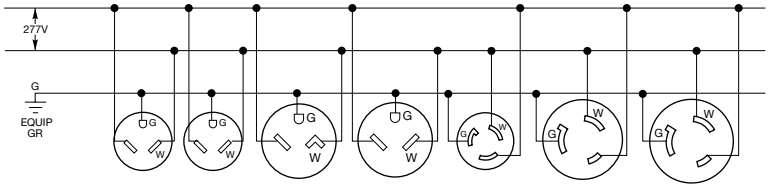
*Note: *Does NOT encompass 208V AC Line-to-Neutral.*
*The above diagrams are intended to show device terminal identification only.*

## Circuit Wiring Diagrams

### Wiring Diagrams for NEMA Configurations

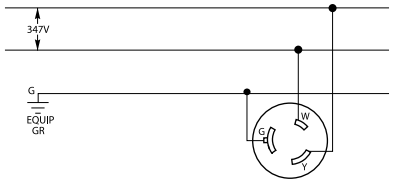
(Configurations shown are for female devices)

#### 277V AC – 2P, 3W – Grounding



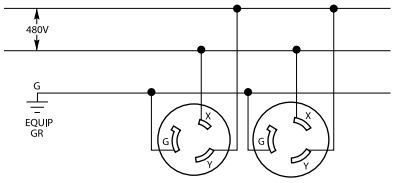

ANSI/NEMA WD-6 7-15R 7-20R 7-30R 7-50R L7-15R L7-20R L7-30R

#### 347V AC – 2P, 3W – Grounding



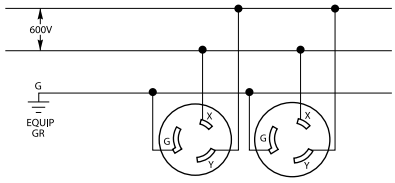

ANSI/NEMA WD-6 L24-20R

#### 480V AC – 2P, 3W – Grounding



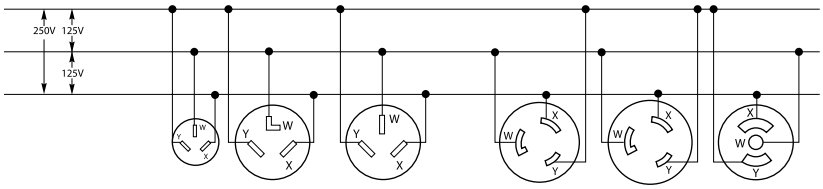

ANSI/NEMA WD-6 L8-20R L8-30R

#### 600V AC – 2P, 3W – Grounding



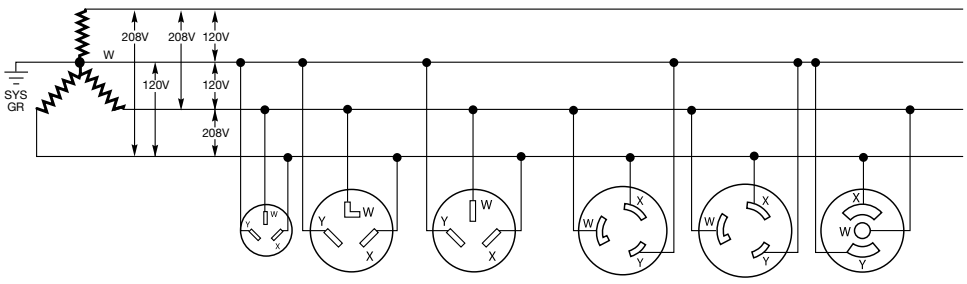

ANSI/NEMA WD-6 L9-20R L9-30R

#### 125/250V – 3P, 3W




ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

#### 1Ø 120/208YV AC – 3P, 3W




ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

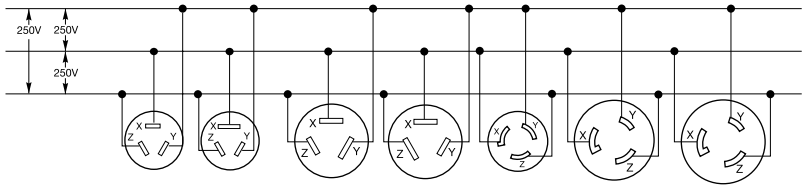
*Note: The above diagrams are intended to show device terminal identification only.*

## Circuit Wiring Diagrams

### Wiring Diagrams for NEMA Configurations

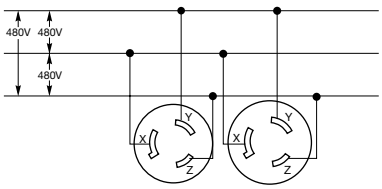
(Configurations shown are for female devices)

#### 3Ø 250V AC – 3P, 3W



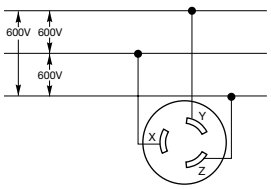

ANSI/NEMA WD-6 11-15R 11-20R 11-30R 11-50R L11-15R L11-20R L11-30R

#### 3Ø 480V AC – 3P, 3W



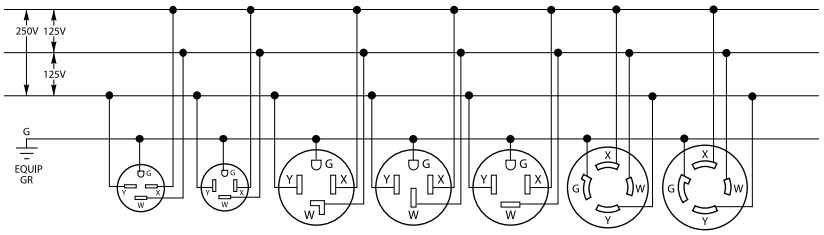

ANSI/NEMA WD-6 L12-20R L12-30R

#### 3Ø 600V AC – 3P, 3W



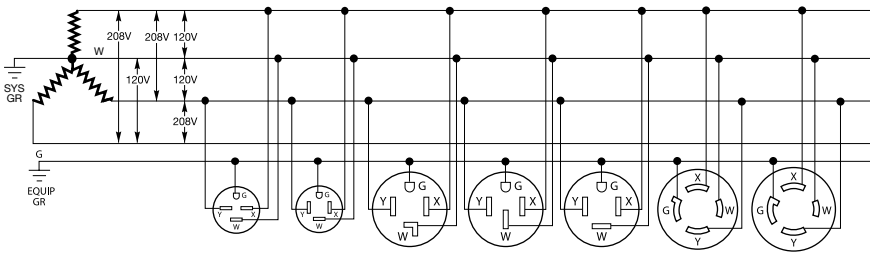

ANSI/NEMA WD-6 L13-30R

#### 125/250V – 3P, 4W




ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

#### 1Ø 120/208YV AC – 3P, 4W – Grounding




ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

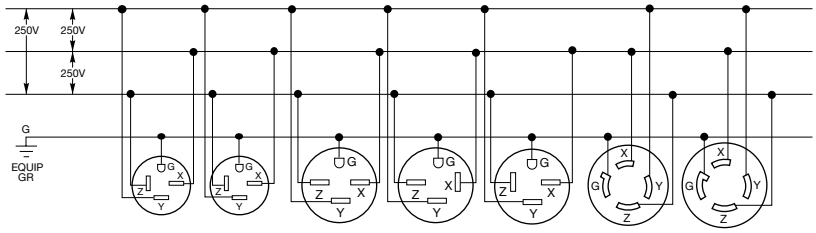
*Note: The above diagrams are intended to show device terminal identification only.*

## Circuit Wiring Diagrams

### Wiring Diagrams for NEMA Configurations

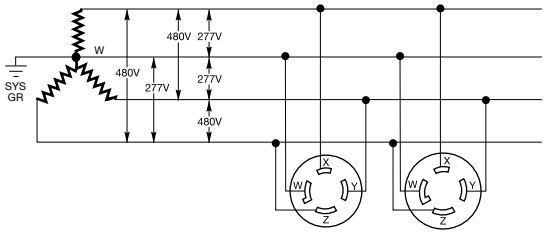
(Configurations shown are for female devices)

#### 3Ø 250V – 3P, 4W – Grounding



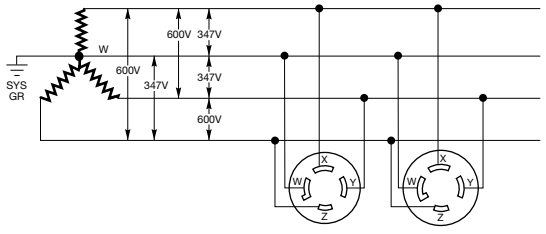

**ANSI/NEMA WD-6** 15-15R 15-20R 15-30R 15-50R 15-60R L15-20R L15-30R

#### 3ØY 277/480V AC – 4P, 4W



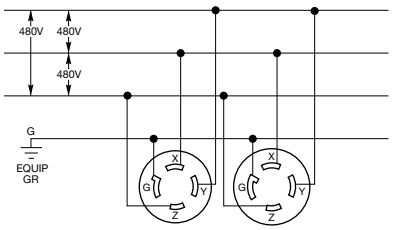

**ANSI/NEMA WD-6** L19-20R L19-30R

#### 3ØY 347/600V AC – 4P, 4W



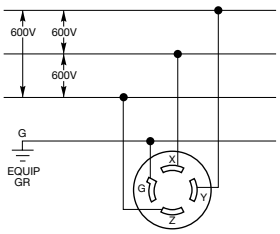

**ANSI/NEMA WD-6** L20-20R L20-30R

#### 3Ø 480V AC – 3P, 4W – Grounding



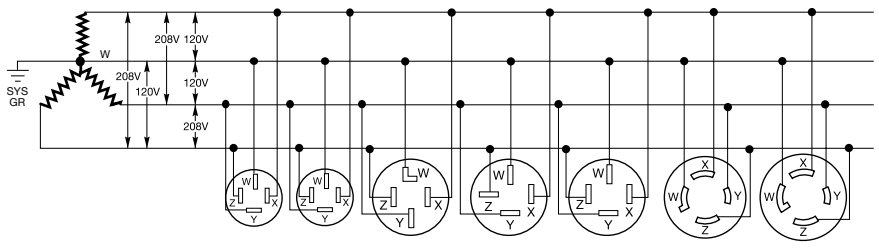

**ANSI/NEMA WD-6** L16-20R L16-30R

#### 3Ø 600V AC – 3P, 4W – Grounding




**ANSI/NEMA WD-6** L17-30R

#### 3ØY 120/208V AC – 4P, 4W




**ANSI/NEMA WD-6** 18-15R 18-20R 18-30R 18-50R 18-60R L18-20R L18-30R

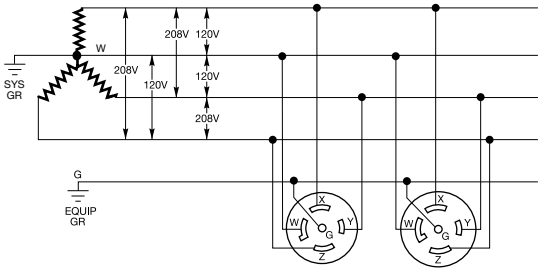
*Note: The above diagrams are intended to show device terminal identification only.*

## Circuit Wiring Diagrams

### Wiring Diagrams for NEMA Configurations

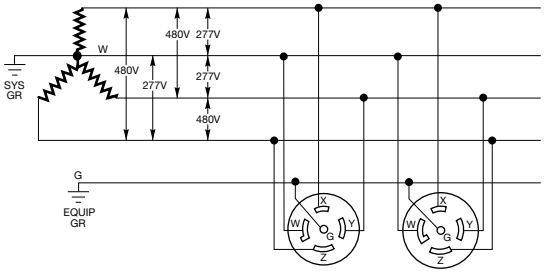
(Configurations shown are for female devices)

#### 3ØY 120/208V AC – 4P, 5W – Grounding



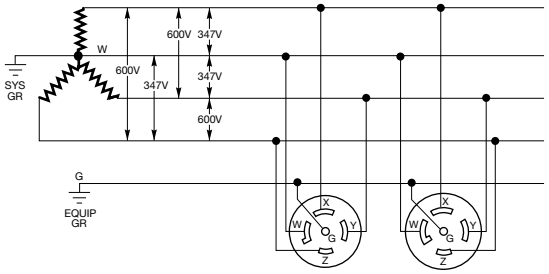

**ANSI/NEMA WD-6** L21-20R L21-30R

#### 3ØY 277/480V AC – 4P, 5W – Grounding



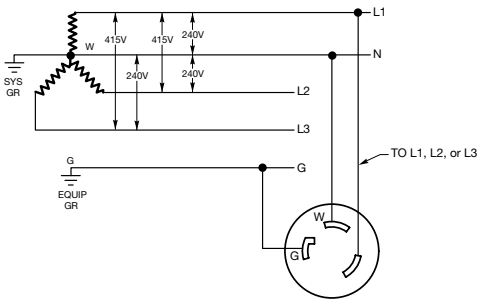

**ANSI/NEMA WD-6** L22-20R L22-30R

#### 3ØY 347/600V AC – 4P, 5W – Grounding



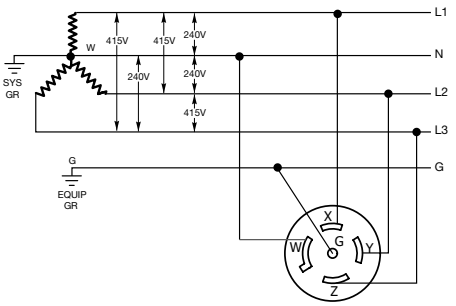

**ANSI/NEMA WD-6** L23-20R L23-30R

#### 3ØY 220/380V AC – 4P, 5W – Grounding




L25-30R

#### 3ØY 240/415V AC – 4P, 5W – Grounding




L26-30R

*Note: The above diagrams are intended to show device terminal identification only.*

## Horsepower Ratings and UL 508A Table SB4.1

### Horsepower Ratings for NEMA Configurations – Plugs and Receptacles Only

| Straight Blade | | | | Locking | | | |
|---|---|---|---|---|---|---|---|
| NEMA Configuration | AC HP Rating[1] | NEMA Configuration | AC HP Rating[1] | NEMA Configuration | AC HP Rating[1] | NEMA Configuration | AC HP Rating[1] |
| 1-15 | 0.5 | 11-15<br>11-20<br>11-30<br>11-50 | 2<br>3<br>3<br>7.5 | L1-15 | 0.5 | L11-15<br>L11-20<br>L11-30 | 2<br>3<br>3 |
| 2-15<br>2-20<br>2-30 | 1.5*<br>2*<br>2* | | | L2-20 | 2* | | |
| 5-15<br>5-20<br>5-30<br>5-50 | 0.5<br>1<br>2<br>2 | 14-15<br><br><br>14-20<br><br><br>14-30<br><br><br>14-50<br><br><br>14-60 | 1.5 L-L*<br>0.5 L-N<br><br>2 L-L*<br>1 L-N<br><br>2 L-L*<br>2 L-N<br><br>3 L-L*<br>2 L-N<br><br>3 L-L*<br>2 L-N | L5-15<br>L5-20<br>L5-30 | 0.5<br>1<br>2 | L12-20<br>L12-30 | 5<br>10 |
| 6-15<br>6-20<br>6-30<br>6-50 | 1.5*<br>2*<br>2*<br>3* | | | L6-15<br>L6-20<br>L6-30 | 1.5*<br>2*<br>2* | L14-20<br><br><br>L14-30 | 2 L-L*<br>1 L-N<br>2 L-L*<br>2 L-N |
| 7-15<br>7-20<br>7-30<br>7-50 | 2<br>2<br>3<br>5 | | | L7-15<br>L7-20<br>L7-30 | 2<br>2<br>3 | L15-20<br>L15-30 | 3<br>3 |
| | | 15-15<br>15-20<br>15-30<br>15-50<br>15-60 | 2<br>3<br>3<br>7.5<br>10 | L8-20<br>L8-30 | 3<br>5 | L16-20<br>L16-30 | 5<br>10 |
| | | | | | | L18-20<br>L18-30 | 2<br>3 |
| 10-20<br><br><br>10-30<br><br><br>10-50 | 2 L-L*<br>1 L-N<br><br>2 L-L*<br>2 L-N<br><br>3 L-L*<br>2 L-N | 18-15<br>18-20<br>18-30<br>18-50<br>18-60 | 2<br>2<br>3<br>7.5<br>7.5 | L10-20<br><br><br>L10-30 | 2 L-L*<br>1 L-N<br><br>2 L-L*<br>2 L-N | L19-20<br>L19-30 | 5<br>10 |
| | | | | | | L21-20<br>L21-30 | 2<br>3 |
| | | | | | | L22-20<br>L22-30 | 5<br>10 |
| | | | | | | L25-30 | 2 |
| | | | | | | L26-30 | 7.5 |

*Note: [1]The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".*
**Also suitable for 208V Line-to-Line, not 208V Line-to-Neutral.*

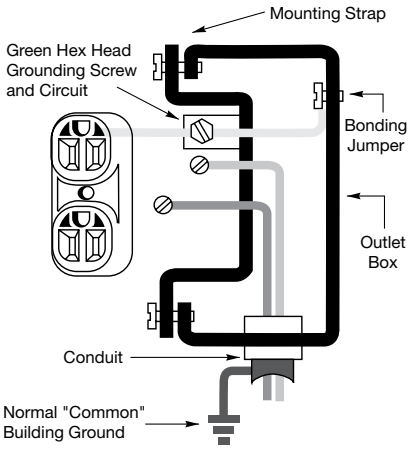
### UL 231 Table 2.1, UL 508A Table SB4.1, UL 891 Table 16 - Assumed Maximum Short Circuit Current Rating for Unmarked Components When Used in UL 231 Power Outlets, UL 508A Industrial Control Panels, and UL 891 Switchboards

| Component | Short Circuit Current Rating, kA |
|---|---|
| Bus bars | 10 |
| Circuit breaker (including GFCI type) | 5 |
| Current meters | a |
| Current shunt | 10 |
| Fuseholder | 10 |
| Industrial control equipment: | |
| a. Auxiliary devices (overload relay) | 5 |
| b. Switches (other than mercury tube type) | 5 |
| c. Mercury tube switches | |
| - Rated over 60 amperes or over 250 volts | 5 |
| - Rated 250 volts or less, 60 amperes or less, and over 2 kVA | 3.5 |
| - Rated 250 volts or less and 2 kVA or less | 1 |
| Motor controller, rated in horsepower (kW) | |
| a. 0 – 50 (0 – 37.3) | 5c |
| b. 51 – 200 (38 – 149) | 10c |
| c. 201 – 400 (150 – 298) | 18c |
| d. 401 – 600 (299 – 447) | 30c |
| e. 601 – 900 (448 – 671) | 42c |
| f. 901 – 1500 (672 – 1193) | 85c |
| Meter socket base | 10 |
| Miniature or miscellaneous fuse | 10b |
| Receptacle (GFCI type) | 2 |
| Receptacle (other than GFCI type) | 10 |
| Supplementary protector | 0.2 |
| Switch unit | 5 |
| Terminal block or power distribution block | 10 |

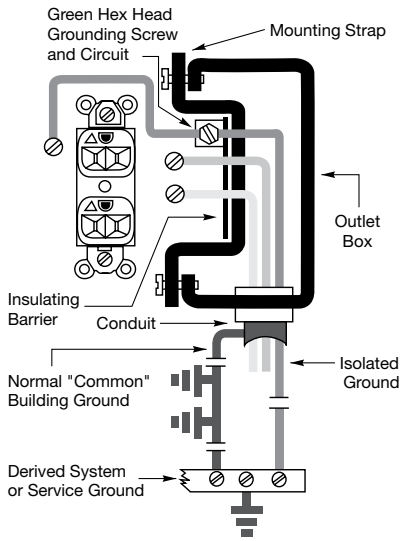
*Note: a A short circuit current rating is not required when connected via a current transformer or current shunt.*
*A directly connected current meter shall have a marked short circuit current rating.*
*b The use of a miniature fuse is limited to 125-volt circuits.*
*c Standard fault current rating for motor controller rated within specified horsepower range.*

## Isolated Ground Story

**Conventional Receptacle**




**Isolated Ground Receptacle**




### Hubbell Isolated Ground Receptacles

Why do you need an isolated ground device?

When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

### The Problem

The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

### The Solution

The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

### The Result

This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

*NEC® is a registered trademark of the National Fire Protection Association (NFPA).*

## Decimal Equivalents Table

### Decimal Equivalents Table

| Inches | Inches | Millimeters | Inches | Inches | Millimeters |
|---|---|---|---|---|---|
| 1/64 | .015625 | .3969 | 33/64 | .515625 | 13.0969 |
| 1/32 | .03125 | .7938 | 17/32 | .53125 | 13.4938 |
| 3/64 | .046875 | 1.1906 | 35/64 | .546875 | 13.8906 |
| 1/16 | .0625 | 1.5875 | 9/16 | .5625 | 14.2875 |
| 5/64 | .078125 | 1.9844 | 37/64 | .578125 | 14.6844 |
| 3/32 | .09375 | 2.3813 | 19/32 | .59375 | 15.0813 |
| 7/64 | .109375 | 2.7781 | 39/64 | .609375 | 15.4781 |
| 1/8 | .1250 | 3.1750 | 5/8 | .6250 | 15.8750 |
| 9/64 | .140625 | 3.5719 | 41/64 | .640625 | 16.2719 |
| 5/32 | .15625 | 3.9688 | 21/32 | .65625 | 16.6688 |
| 11/64 | .171875 | 4.3656 | 43/64 | .671875 | 17.0656 |
| 3/16 | .1875 | 4.7625 | 11/16 | .6875 | 17.4625 |
| 13/64 | .203125 | 5.1594 | 45/64 | .703125 | 17.8594 |
| 7/32 | .21875 | 5.5563 | 23/32 | .71875 | 18.2563 |
| 15/64 | .234375 | 5.9531 | 47/64 | .734375 | 18.6531 |
| ¼ | .2500 | 6.3500 | ¾ | .7500 | 19.0500 |
| 17/64 | .265625 | 6.7469 | 49/64 | .765625 | 19.4469 |
| 9/32 | .28125 | 7.1438 | 25/32 | .78125 | 19.8438 |
| 19/64 | .296875 | 7.5406 | 51/64 | .796875 | 20.2406 |
| 5/16 | .3125 | 7.9375 | 13/16 | .8125 | 20.6375 |
| 21/64 | .328125 | 8.3344 | 53/64 | .828125 | 21.0344 |
| 11/32 | .34375 | 8.7313 | 27/32 | .84375 | 21.4313 |
| 23/64 | .359375 | 9.1281 | 55/64 | .859375 | 21.8281 |
| 3/8 | .3750 | 9.5250 | 7/8 | .8750 | 22.2250 |
| 25/64 | .390625 | 9.9219 | 57/64 | .890625 | 22.6219 |
| 13/32 | .40625 | 10.3188 | 29/32 | .90625 | 23.0188 |
| 27/64 | .421875 | 10.7156 | 59/64 | .921875 | 23.4156 |
| 7/16 | .4375 | 11.1125 | 15/16 | .9375 | 23.8125 |
| 29/64 | .453125 | 11.5094 | 61/64 | .953125 | 24.2094 |
| 15/32 | .46875 | 11.9063 | 31/32 | .96875 | 24.6063 |
| 31/64 | .484375 | 12.3031 | 63/64 | .984375 | 25.0031 |
| ½ | .5000 | 12.7000 | 1 | 1.0000 | 25.4000 |

## Electrical Symbols and Abbreviations

### General Outlets

**Ceiling Wall**

| | |
|---|---|
| ○ -○ | Lighting Outlet |
| Ⓑ -Ⓑ | Blanked outlet |
| Ⓓ | Deep cord |
| Ⓔ -Ⓔ | Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc. |
| Ⓕ -Ⓕ | Fan outlet |
| Ⓙ -Ⓙ | Junction box |
| Ⓛ -Ⓛ | Lamp holder |
| $Ⓛ_{PS}$ -$Ⓛ_{PS}$ | Lamp holder with pull switch |
| Ⓢ -Ⓢ | Pull switch |
| Ⓥ -Ⓥ | Outlet for vapor discharge lamp |
| Ⓧ -Ⓧ | Exit light outlet |
| Ⓒ -Ⓒ | Clock outlet (specify voltage) |

### Convenience Outlets

| | |
|---|---|
| ⊖ | Duplex convenience outlet |
| $⊖_{1,3}$ | Convenience outlet other than duplex 1-single, 3-triplex, etc. |
| $⊖_{WP}$ | Weatherproof convenience outlet |
| $⊖_{R}$ | Range outlet |
| $⊖_{S}$ | Switch and convenience outlet |
| ⊖R | Radio and convenience outlet |
| ▲ | Special purpose outlet (Des. in Spec.) |
| ⊖ | Floor outlet |

### Switch Outlets

| | |
|---|---|
| S | Single pole switch |
| $S_2$ | Double pole switch |
| $S_3$ | Three way switch |
| $S_4$ | Four way switch |
| $S_D$ | Automatic door switch |
| $S_E$ | Electrolier switch |
| $S_K$ | Key operated switch |
| $S_P$ | Switch and pilot lamp |
| $S_{CB}$ | Circuit breaker switch |
| $S_{WCB}$ | Weatherproof circuit breaker |
| $S_{MC}$ | Momentary contact switch |
| $S_{RC}$ | Remote control switch |
| $S_{WP}$ | Weatherproof switch |
| $S_F$ | Fused switch |
| $S_{WF}$ | Weatherproof fused switch |

### Special Outlets

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

| | |
|---|---|
| $○_{a,b,c,etc}$ | When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications. |
| $⊖_{Sa,b,c,etc}^{a,b,c,etc}$ | |

### Panels, Circuits and Miscellaneous

| | |
|---|---|
| ■ | Lighting panel |
| ▨ | Power panel |
| —— | Branch circuit; concealed in ceiling or wall |
| – – – | Branch circuit; concealed in floor |
| ----- | Branch circuit; exposed |
| →→ | Home run to panel board. Indicated number of circuits by number of arrows. |

*Note: Any circuit without further designation indicates a two-wire circuit. For a greater number of wires indicate as follows: /// (3 wires) //// (4 wires), etc.*

| | |
|---|---|
| ▬ | Feeders |

*Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.*

| | |
|---|---|
| ⊏⊐ | Underfloor duct and junction box. Triple system |

*Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts.*

| | |
|---|---|
| Ⓖ | Generator |
| Ⓜ | Motor |
| Ⓘ | Instrument |
| Ⓣ | Power transformer (or draw to scale) |
| ⊠ | Controller |
| □ | Isolating switch |

### Auxiliary Systems

| | | | |
|---|---|---|---|
| • | Push Button | □/ | Buzzer |
| □ | Bell | ◇ | Annunciator |
| ◀ | Outside telephone | | |
| ◁ | Interconnecting telephone | | |
| ◁◁ | Telephone switchboard | | |
| Ⓣ | Bell ringing transformer | | |
| D | Electric door opener | | |
| F | Fire alarm bell | F | Fire alarm station |
| ⧗ | City fire alarm station | | |
| FA | Fire alarm central station | | |
| FS | Automatic fire alarm device | | |
| W | Watchman's station | | |
| W | Watchman's central station | | |
| H | Horn | | |
| N | Nurse's signal plug | M | Maid's signal plug |
| R | Radio outlet | | |
| SC | Signal central section | | |
| □ | Interconnection box | ⫼ | Battery |
| –·–·– | Auxiliary system circuits. | | |

*Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – · – 12-No. 18 W-3'4"C, or designate by number corresponding to listing in schedule.*

□$_{a,b,c,}$ **Special auxiliary outlets**

Subscript letters refer to notes on plans or detailed description in specifications.

## Diameter Ranges of Jacketed Cord and Wire Charts

### Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

| Type of Cord | AWG Size | 2 Conductor | 3 Conductor | 4 Conductor | 5 Conductor |
|---|---|---|---|---|---|
| **SV, SVE, SVEO, SVOO** | 18 | .22"-.26" (5.6-6.6) | .23"-.27" (5.8-6.9) | — | — |
| **SVO, SVT, SVTOO, SVTO** | 16 | .25"-.28" (6.2-7.1) | .26"-.30" (6.6-7.5) | — | — |
| **SJ, SJE, SJOO, SJO, SJEO,** | 18 | .28"-.32" (7.1-8.1) | .30"-.34" (7.6-8.6) | .33"-.37" (8.4-9.4) | — |
| **SJEOOSJT, SJTO, SJTOO,** | 16 | .31"-.34" (7.9-8.6) | .33"-.36" (8.4-9.1) | .35"-.40" (8.9-10.2) | — |
| **SJEW, SJOOW, SJOW,** | 14 | .34"-.38" (8.6-9.7) | .36"-.40" (9.1-10.2) | .39"-.44" (9.9-11.2) | — |
| **SJEOW, SJEOOW, SJTW,** | 12 | .41"-.46" (10.4-11.7) | .43"-.48" (10.9-12.2) | .47"-.52" (11.9-13.2) | — |
| **SJTOW, SJTOOW** | 10 | .54"-.61" (13.7-15.5) | .57"-.64" (14.5-16.3) | .63"-.70" (16.0-17.8) | — |
| **S, SE, SOO, SEO, SEOO, ST** | 18 | .34"-.39" (8.6-9.9) | .36"-.40" (9.1-10.2) | .39"-.43" (9.9-10.9) | .46"-.51" (11.7-13.0 |
| **STOO, STO, SEW, SOOW,** | 16 | .37"-.41" (9.4-10.4) | .39"-.43" (9.9-10.9) | .41"-.46" (10.4-11.7) | .49"-.55" (12.4-14.0 |
| **SOW, SEOW, SEOOW, STW,** | 14 | .50"-.55" (12.7-14.0) | .52"-.58" (13.2-14.7) | .56"-.62" (14.2-15.7) | .63"-.71" (16.0-18.0 |
| **STOOW, STOW** | 12 | .57"-.63" (14.5-16.0) | .59"-.66" (15.0-16.8) | .64"-.71" (16.3-18.0) | .70"-.77" (17.8-19.6) |
| | 10 | .62"-.69" (15.7-17.5) | .65"-.72" (16.5-18.3) | .70"-.78" (17.8-19.8) | .76"-.84" (19.3-21.3) |
| | 8 | .78"-.88" (19.8-22.4) | .83"-.93" (21.1-23.6) | .93"-1.05" (23.6-26.7) | 1.00"-1.15" (25.4-29.2) |
| | 6 | .92"-1.05" (23.4-26.7) | .97"-1.10" (24.6-27.9) | 1.05"-1.20" (26.7-30.5) | 1.18"-1.33" (30.0-33.8) |
| | 4 | 1.06"-1.21" (26.9-30.7) | 1.13"-1.28" (28.7-32.5) | 1.25"-1.45" (31.8-36.8) | — |
| | 2 | 1.21"-1.40" (30.7-35.6) | 1.30"-1.50" (33.0-38.1) | 1.45"-1.65" (36.8-41.9) | — |

### Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

| Type of Cord | AWG Size | 2 Conductor | 3 Conductor | 4 Conductor | 5 Conductor |
|---|---|---|---|---|---|
| **W, G, G-GC, G-BGC, PPC** | 6 | 0.945" (24.0) | 0.984" (25.0) | 1.102" (28.0) | 1.220" (31.0) |
| | 4 | 1.063" (27.0) | 1.142" (29.0) | 1.260" (32.0) | 1.417" (36.0) |
| | 3 | 1.181" (30.0) | 1.220" (31.0) | 1.339" (34.0) | 1.496" (38.0) |
| | 2 | 1.260" (32.0) | 1.339" (34.0) | 1.496" (38.0) | 1.614" (41.0) |
| | 1 | 1.339" (34.0) | 1.496" (38.0) | 1.654" (42.0) | 1.890" (48.0) |
| | 1/0 | 1.417" (36.0) | 1.614" (41.0) | 1.772" (45.0) | 1.929" (49.0) |
| | 2/0 | 1.535" (39.0) | 1.732" (44.0) | 1.929" (49.0) | 2.047" (52.0) |
| | 3/0 | 1.654" (42.0) | 1.890" (48.0) | 2.047" (52.0) | 2.244" (57.0) |
| | 4/0 | 1.772" (45.0) | 2.008" (51.0) | 2.244" (57.0) | 2.441" (62.0) |

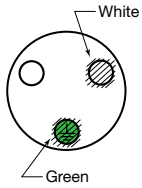
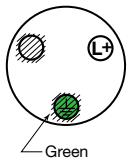
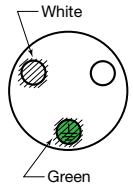
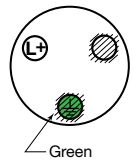
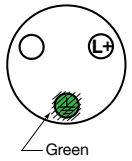
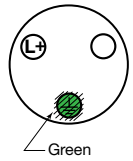
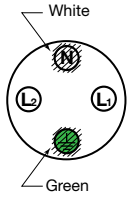
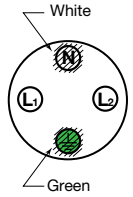
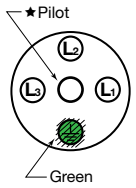
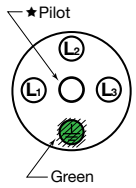
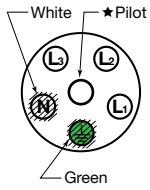
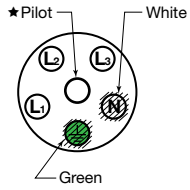
### Wire Types Approximate Diameter in Inches (mm)*

| Size (AWG or kcmil) | THHN, THWN, THWN-2 Inches (mm) | TW, THHW, THW, THW-2 Inches (mm) | XHHW, ZW, XHHW-2, XHH Inches (mm) |
|---|---|---|---|
| 12 | 0.130 (3.302) | 0.152 (3.861) | 0.152 (3.861) |
| 10 | 0.164 (4.166) | 0.176 (4.470) | 0.176 (4.470) |
| 8 | 0.216 (5.486) | 0.236 (5.994) | 0.236 (5.994) |
| 6 | 0.254 (6.452) | 0.304 (7.722) | 0.274 (6.960) |
| 4 | 0.324 (8.230) | 0.352 (8.941) | 0.322 (8.179) |
| 3 | 0.352 (8.941) | 0.380 (9.652) | 0.350 (8.890) |
| 2 | 0.384 (9.754) | 0.412 (10.46) | 0.382 (9.703) |
| 1 | 0.446 (11.23) | 0.492 (12.50 | 0.442 (11.23) |
| 1/0 | 0.486 (12.34) | 0.532 (13.51) | 0.482 (12.34) |
| 2/0 | 0.532 (13.51) | 0.578 (14.68) | 0.528 (13.41) |
| 3/0 | 0.584 (14.83) | 0.630 (16.00) | 0.580 (14.73) |
| 4/0 | 0.642 (16.31) | 0.688 (17.48) | 0.638 (16.21) |
| 250 | 0.711 (18.06) | 0.765 (19.43) | 0.705 (17.91) |
| 300 | 0.766 (19.46) | 0.820 (20.83) | 0.760 (19.30) |
| 350 | 0.817 (20.75) | 0.871 (22.12) | 0.811 (26.60) |
| 400 | 0.864 (21.95) | 0.918 (23.32) | 0.858 (21.79) |
| 500 | 0.949 (24.10) | 1.003 (25.48) | 0.943 (23.95) |
| 600 | 1.051 (26.70) | 1.113 (28.27) | 1.053 (26.75) |
| 700 | 1.122 (28.50) | 1.184 (30.07) | 1.124 (25.55) |
| 750 | 1.156 (29.36) | 1.218 (30.94) | 1.158 (29.41) |
| 800 | 1.188 (30.18) | 1.250 (31.75) | 1.190 (30.23) |
| 900 | 1.252 (31.80) | 1.314 (33.38) | 1.254 (31.85) |
| 1000 | 1.310 (33.27) | 1.372 (34.85) | 1.312 (33.32) |

*Note: *Information Sourced from the National Electrical Code.*

## IEC Pin and Sleeve Terminal Identification

### IEC Pin and Sleeve Terminal Identification – Rear View

| Description | Rating | | Terminal Marking Pattern* | | | |
|---|---|---|---|---|---|---|
| | | | Receptacle and Connector | | Plug and Inlet | |
| | Domestic | International | Domestic | International | Domestic | International |
| 3 Wire | 125V AC<br>277V AC | 100-130V |  |  |  |  |
| 3 Wire | 250V AC<br>480V AC<br>600V AC | 200-250V<br>380-415V AC |  | |  | |
| 4 Wire | 125/250V AC<br>1ØY 120/208V | — |  | |  | |
| 4 Wire | (3Ø Δ)<br>250V AC<br>480V AC<br>600V AC | 380-415V AC |  | |  | |
| 5 Wire | (3ØY)<br>120/208V AC<br>277/480V AC<br>347/600V AC | 220/380V 50Hz<br>250/440V 60Hz<br>200/346V to<br>240/415V<br>50 and 60Hz |  | |  | |

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
*★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.*

### Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

**Single Phase**

| Amps | Wire Count | Voltage | Clock | Catalog Number | New HP Rating |
|---|---|---|---|---|---|
| 20 | 3 | 125V | 4 | HBL320x4W | 1 |
| 20 | 3 | 250V | 6 | HBL320x6W | 2 |
| 20 | 3 | 480V | 7 | HBL320x7W | 5 |
| 20 | 4 | 125/250 (208L-L) | 12 | HBL420x12W | 2 |
| 20 | 4 | 125/250 (250L-L) | 12 | HBL420x12W | 2 |
| 20 | 4 | 125/250 (125L-N) | 12 | HBL420x12W | 1 |
| 30 | 3 | 125V | 4 | HBL330x4W | 2 |
| 30 | 3 | 250V | 6 | HBL330x6W | 3 |
| 30 | 3 | 480V | 7 | HBL330x7W | 7.5 |
| 30 | 3 | 550VDC | 8 | HBL330X8 | N/A |
| 30 | 4 | 125/250 (208L-L) | 12 | HBL430x12W | 3 |
| 30 | 4 | 125/250 (250L-L) | 12 | HBL430x12W | 3 |
| 30 | 4 | 125/250 (125L-N) | 12 | HBL430x12W | 2 |
| 60 | 3 | 125V | 4 | HBL360x4W | 2 |
| 60 | 3 | 250V | 6 | HBL360x6W | 3 |
| 60 | 3 | 480V | 7 | HBL360x7W | 7.5 |
| 60 | 3 | 250VDC | 3 | HBL360x3W | N/A |
| 60 | 3 | 550VDC | 8 | HBL360x8W | N/A |
| 60 | 4 | 125/250 (208L-L) | 12 | HBL460x12W | 3 |
| 60 | 4 | 125/250 (250L-L) | 12 | HBL460x12W | 3 |
| 60 | 4 | 125/250 (125L-N) | 12 | HBL460x12W | 2 |
| 100 | 3 | 125V | 4 | HBL3100x4W | 5 |
| 100 | 3 | 250V | 6 | HBL3100x6W | 15 |
| 100 | 3 | 480V | 7 | HBL3100x7W | 30 |
| 100 | 3 | 250VDC | 3 | HBL3100x3W | N/A |
| 100 | 3 | 550VDC | 8 | HBL3100x8W | N/A |
| 100 | 4 | 125/250 (208L-L) | 12 | HBL4100x12W | 10 |
| 100 | 4 | 125/250 (250L-L) | 12 | HBL4100x12W | 15 |
| 100 | 4 | 125/250 (125L-N) | 12 | HBL4100x12W | 5 |

**3-Phase**

| Amps | Wire Count | Voltage | Clock | Catalog Number | Present HP Rating | New HP Rating |
|---|---|---|---|---|---|---|
| 20 | 4 | 3Ø 250V | 9 | HBL420x9W | 2 | 5 |
| 20 | 4 | 3Ø 480V | 7 | HBL420x7W | 5 | 10 |
| 20 | 4 | 3Ø 600V | 5 | HBL420x5W | 7.5 | 10 |
| 20 | 4 | 3Ø 380-415V | 6 | HBL420x6W | - | 7.5 |
| 20 | 5 | 3ØY 120/208V | 9 | HBL520x9W | 0.5 | 3 |
| 20 | 5 | 3ØY 277/480V | 7 | HBL520x7W | 5 | 10 |
| 20 | 5 | 3ØY 347/600V | 5 | HBL520x5W | 7.5 | 10 |
| 20 | 5 | 3Ø 240/415V | 6 | HBL520x6W | - | 5 |
| 30 | 4 | 3Ø 250V | 9 | HBL430x9W | 3 | 7.5 |
| 30 | 4 | 3Ø 480V | 7 | HBL430x7W | 7.5 | 15 |
| 30 | 4 | 3Ø 600V | 5 | HBL430x5W | 10 | 20 |
| 30 | 5 | 3ØY 120/208V | 9 | HBL530x9W | 2 | 5 |
| 30 | 5 | 3ØY 277/480V | 7 | HBL530x7W | 7.5 | 15 |
| 30 | 5 | 3ØY 347/600V | 5 | HBL530x5W | 10 | 20 |
| 30 | 4 | 3Ø 380/415V | 6 | HBL430x6W | - | 10 |
| 30 | 5 | 3Ø 200/346-240/415 | 6 | HBL530x6W | - | 10 |
| 60 | 4 | 3Ø 250V | 9 | HBL460x9W | 5 | 7.5 |
| 60 | 4 | 3Ø 480V | 7 | HBL460x7W | 10 | 20 |
| 60 | 4 | 3Ø 600V | 5 | HBL460x5W | 15 | 25 |
| 60 | 4 | 3Ø 380-415VAC | 6 | HBL460x6W | - | 10 |
| 60 | 5 | 3ØY 120/208V | 9 | HBL560x9W | 3 | 7.5 |
| 60 | 5 | 3ØY 277/480V | 7 | HBL560x7W | 10 | 20 |
| 60 | 5 | 3ØY 347/600V | 5 | HBL560x5W | 15 | 25 |
| 60 | 5 | 3Ø 200/346-240/415 | 6 | HBL560x6W | - | 10 |
| 100 | 4 | 3Ø 250V | 9 | HBL4100x9W | 10 | 15 |
| 100 | 4 | 3Ø 480V | 7 | HBL4100x7W | 30 | 40 |
| 100 | 4 | 3Ø 600V | 5 | HBL4100x5W | 30 | 50 |
| 100 | 4 | 3Ø 380-415V | 6 | HBL4100x6W | - | 30 |
| 100 | 5 | 3ØY 200/346-240/415V | 6 | HBL5100x6W | - | 30 |
| 100 | 5 | 400VDC | 8 | HBL5100x8W | | N/A |
| 100 | 5 | 3ØY 120/208V | 9 | HBL5100x9W | 10 | 15 |
| 100 | 5 | 3ØY 277/480V | 7 | HBL5100x7W | 30 | 40 |
| 100 | 5 | 3ØY 347/600V | 5 | HBL5100x5W | 30 | 50 |

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

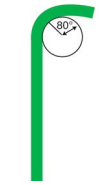
## Network Cabling Requirements

### Supported Media - International

| Designation | ANSI/TIA-568-C | ISO/IEC 11801 Amend 2: 2010 | CENELEC EN-50173-1: 2002 |
|---|---|---|---|
| Category 3 (16 MHz) | Supported | Supported: Class C | Supported: Class C |
| Category 5e (100 MHz) | Supported | Supported: Class D | Supported: Class D |
| Category 6 (250 MHz) | Supported | Supported: Class E | Supported: Class E |
| Category 6A (500 MHz) | Supported | Supported: Class EA | Supported: Class EA |
| Category 7 (600 MHz) | Not Recognized | Supported: Class F | Supported: Class F |
| Category 7A (1,000 MHz) | Not Recognized | Supported: Class FA* | Supported: Class FA* |
| Category 8 (2,000 MHz) | Not Recognized | Supported: Class FA* | Supported: Class FA* |
| 50/125 - 62.5/125 Multimode | Supported | Supported | Supported |
| Singlemode Fiber | Supported | Supported | Supported |
| Singlemode Fiber to the Work Area | Not Supported | Supported | Supported |
| Work Area Outlet Configuration | 4 Pairs T568A or B | 4 Pairs T568A Only | 4 Pairs T568A Only |
| Stranded Patch Cord Attenuation | 120% of Horiz. Cable | 150% of Horiz. Cable | 150% of Horiz. Cable |

*Note: *Category 8 proposed in TIA 568-C.2-1 for 40 GBASE-T. ISO/IEC and cenelec to be determined. ISO/IEC and cenelec considering expanding Class FA frequency in addition to a considering new Class.*

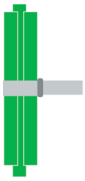
- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified: Category 5e and 6/6A: 0.5 inch max.



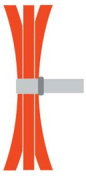

Maintain a minimum bend radius of 4x the cable diameter (4-pair cables)



Never exceed a 90 degree bend



Apply cable ties loosely and at random intervals



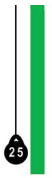
Don't over-tighten cable ties



Try to minimize the amount of jacket twisting



Don't over-twist cable, it can lead to torn jackets




Avoid stretching the cable



Don't exceed 25 lbs. of pulling tension

Use appropriate methods for dressing and securing cables:
- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

Don't use a staple gun to position cable

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