

SECTION C



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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.



HBL2731SW



HBL2733SW



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












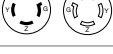


Spring-Loaded Cover

- 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 |



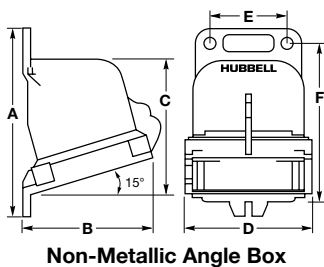
HBLMITL

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) |



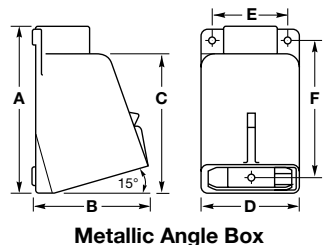
Accessories



15° Angle Non-Metallic Back Box

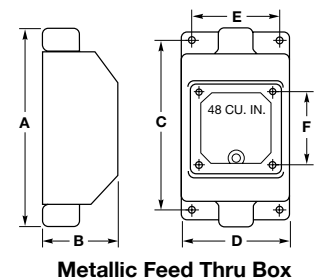
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|--------------|------------------|------------------|------------------|-----------------|-----------------|------------------|---------------------|----------------|
| 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 Racco part number 1704. This box meets IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.



15° Angle Metallic Back Boxes

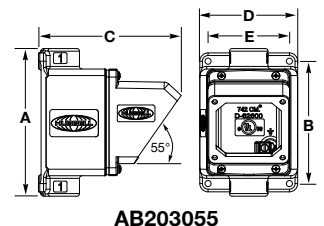
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|--------------|------------------|------------------|------------------|-----------------|-----------------|------------------|---------------------|----------------|
| 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

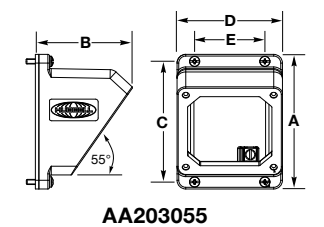
| Description | NPT Hub Size | A Inch (mm) | B Inch (mm) | C Inch (mm) | D Inch (mm) | E Inch (mm) | F Inch (mm) | Cubic Inch Capacity | Catalog Number |
|---|--------------|------------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------|----------------|
| 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" (124.2) | 3.33" (84.8) | 4.29" (109.1) | 3.75" (95.3) | 2.50" (63.5) | - | 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 1/16" square). | AA2030PS |

Dimensions in Inches (mm)



Features and Benefits

Watertight Devices

- The triple bypass seal provides a Watertight UL Type 4X 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



HBL24W47A



HBL25W47A



Housing Design

- 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



Contacts

- 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

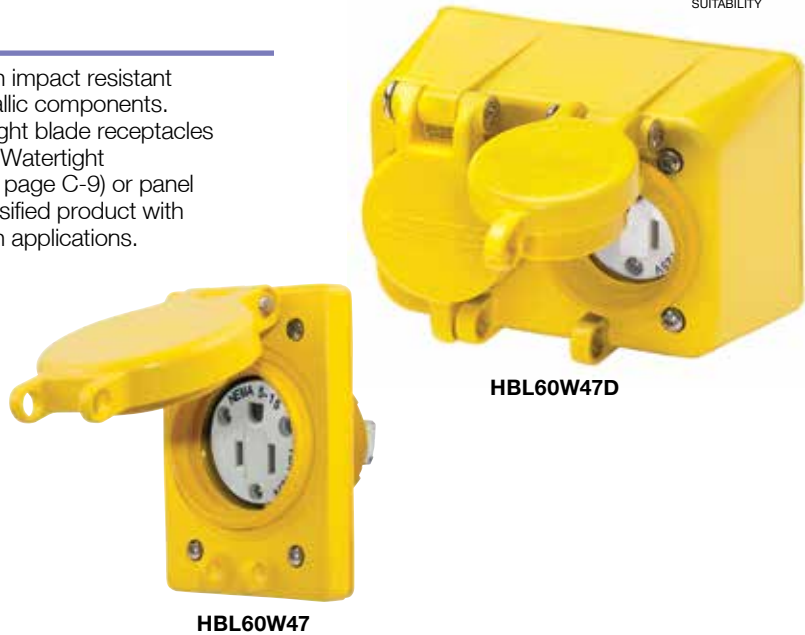
Features and Benefits

UL Type 4, 4X, 12

IP65, 66, 67
SUITABILITY

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



HBL14W47A

HBL15W47A



Also Available:

- Watertight Lift Covers, for use with standard receptacles



HBL60W47

HBL60W47D

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 Black | HBL14W47A HBL14W47BK | HBL15W47A HBL15W47BK | HBL60W47 HBL60W47BK | HBL60W47D — |
| | NEMA 6-15 15A 250V | | 2P/3W | Yellow | HBL14W49 | HBL15W49 | HBL60W49 | HBL60W49D |
| 20 Amp | NEMA 5-20 20A 125V | | 2P/3W | Yellow | HBL14W33A | HBL15W33A | HBL60W33 | HBL60W33D |
| | NEMA 6-20 20A 250V | | 2P/3W | Yellow | HBL14W48 | HBL15W48 | HBL60W48 | HBL60W48D |

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 Black | HBL24W47A HBL24W47BK | HBL25W47A HBL25W47BK | HBL65W47 — | HBL65W47D — |
| | NEMA L6-15 15A 250V | | 2P/3W | Yellow | HBL24W49 | HBL25W49 | HBL65W49 | HBL65W49D |
| | NEMA L7-15 15A 277V AC | | 2P/3W | Yellow Black | HBL24W34 HBL24W34BK | HBL25W34 HBL25W34BK | HBL65W34 — | HBL65W34D — |
| 20 Amp | NEMA L5-20 20A 125V | | 2P/3W | Yellow Black | HBL26W47 HBL26W47BK | HBL27W47 HBL27W47BK | HBL67W47 — | — — |
| | NEMA L6-20 20A 250V | | 2P/3W | Yellow Black | HBL26W48 HBL26W48BK | HBL27W48 HBL27W48BK | HBL67W48 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 Black | HBL26W75 HBL26W75BK | HBL27W75 HBL27W75BK | HBL67W75 HBL67W75BK | — — |
| | NEMA L16-20 20A 3Ø 480V AC | | 3P/4W | Yellow Black | HBL26W76 HBL26W76BK | HBL27W76 HBL27W76BK | HBL67W76 HBL67W76BK | — — |
| | NEMA L21-20 20A 3ØY 120/208V AC | | 4P/5W | Yellow Black | HBL26W81 HBL26W81BK | HBL27W81 HBL27W81BK | HBL67W81 — | — — |
| | 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 Black | HBL28W47 HBL28W47BK | HBL29W47 HBL29W47BK | HBL69W47 — | — — |
| | NEMA L6-30 30A 250V | | 2P/3W | Yellow Black | HBL28W48 — | HBL29W48 — | HBL69W48 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 Black | HBL28W75 HBL28W75BK | HBL29W75 HBL29W75BK | HBL69W75 HBL69W75BK | — — |
| | NEMA L16-30 30A 3Ø 480V AC | | 3P/4W | Yellow Black | HBL28W76 HBL28W76BK | HBL29W76 HBL29W76BK | HBL69W76 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 Black | HBL28W81 HBL28W81BK | HBL29W81 HBL29W81BK | HBL69W81 — | — — |
| | 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 | — | — |





HBL6500



HBL28W75IN



HBL29W75IN



HBLWTB1



HBLWTCS2



HBL50W50

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 Black | HBL6500 HBL6500BK |
| | For use with 20A Twist-Lock® receptacles; receptacle not included. <i>Note: When mating with HBL26W09, 20A Non-NEMA plug, use HBL6800 cover.</i> | Yellow Black | HBL6700 HBL6700BK |
| | For use with 30A Twist-Lock® receptacles; receptacle not included. | Yellow Black | HBL6800 HBL6800BK |

Interiors

| | Device | 125V | | 3Ø 250V AC | | 3Ø 480V AC | |
|-----|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Plug | Receptacle | Plug | Receptacle | Plug | Receptacle |
| 15A | Straight Blade Locking | HBL14W47IN | HBL15W47IN | — | — | — | — |
| | | HBL24W47IN | — | — | — | — | — |
| 20A | Locking | — | HBL27W47IN | HBL26W75IN | — | HBL26W76IN | HBL27W76IN |
| 30A | Locking | — | — | HBL28W75IN | HBL29W75IN | HBL28W76IN | HBL29W76IN |

Bushings, Cone Seals and Closure Caps

| | Device | Bushings | Cone Seals | Closure Caps | |
|-----|------------------------|----------------|-----------------|-----------------|-------------------|
| | | | | Yellow | Black |
| 15A | Straight Blade Locking | HBLWTB1 | HBLWTCS1 | HBL50W50 | HBL50W50BK |
| | | HBLWTB1 | HBLWTCS1 | HBL50W50 | HBL50W50BK |
| 20A | Straight Blade Locking | HBLWTB1 | HBLWTCS1 | HBL50W50 | HBL50W50BK |
| | | HBLWTB2 | HBLWTCS2 | HBL50W52 | HBL50W52BK |
| 30A | Locking | HBLWTB3 | HBLWTCS3 | HBL50W54 | HBL50W54BK |

Features and Benefits

UL Type 4X

IP65, 66
SUITABILITY

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 purchase separately or as a kit. The FD box and Adapter can be used with any single or duplex receptacle up to 50A Twist Lock.



HBL60CM55

HBL60CM83A



Housing Design

- 30 cu. in. FD box made of high impact thermoplastic material
- 3/4" 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 50A Twist-Lock®

FD Boxes and Angled Adapters

| | Description | Catalog Number |
|----------|--|---------------------|
| Boxes | (2) 3/4" NPT Hubs, FD Box, Yellow | HBL60CM83A |
| | (2) 3/4" NPT Hubs, FD Box, White | HBL60CM83WA |
| | (2) 3/4" 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) 3/4" NPT Hubs, Box/Adapter Kit, Yellow | HBL60CM83AK |
| | (2) 3/4" NPT Hubs, Box/Adapter Kit, White | HBL60CM83WAK |
| | (2) 3/4" 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



HBL60CM88



HBLP14FS



HBL60CM88W

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.



HBLWTGF120



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)

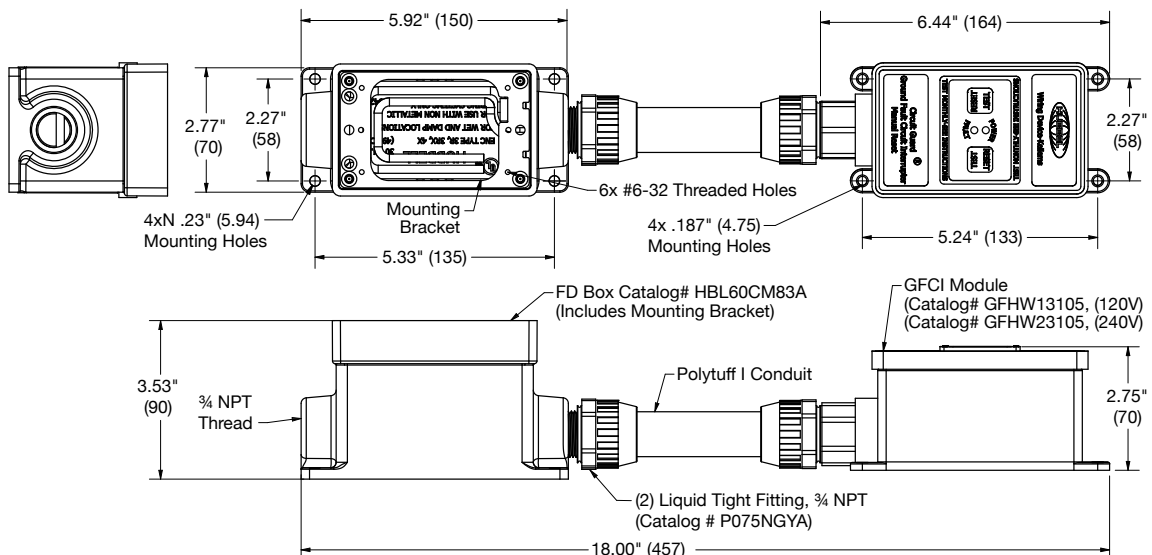
Note: Watertight receptacles purchased separately.

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 |



HBLWTGF120
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 |



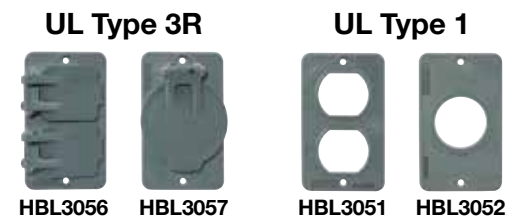
Configurable Portable Outlet Boxes

| | Empty Box Options | Catalog Number | Cord Range Inches (mm) | Cord Connector Options | | Deluxe Cord Connectors |
|-------|-----------------------|-------------------|-------------------------|------------------------|------------------|------------------------|
| | | | | Gray Nylon | Black Nylon | |
| Boxes | Outlet Box, Yellow | HBL3080 | .38"-.50" (9.7-12.7) | SHC1039CR | — | — |
| | Outlet Box, Black | HBL3080BK | .50"-.63" (12.7-15.9) | SHC1040CR | SHC2040CR | CG810NM |
| | Feed Thru Box, Yellow | HBL3080F | .63"-.75" (15.9-19.0) | SHC1041CR | SHC2041CR | 074011341 |
| | Feed Thru Box, Black | HBL3080FBK | .75"-.88" (19.0-22.2) | SHC1042CR | SHC2042CR | 074011342 |
| | | | .88"-.1.00" (22.2-25.4) | SHC1043CR | SHC2043CR | 074011343 |
| | | | .59"-.1.00" (15.0-25.4) | SEC100GA | SEC100BA | — |



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 | — |





HBLPOB1



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 |
| Box with cord strain relief, with one blank cover plate, black. | HBLPOB1BK |
| Box with cord strain relief, with two duplex (indoor) cover plates. | HBLPOB1D |
| Box with cord strain relief, with two duplex (indoor), yellow cover plates. | HBLPOB1DY |
| Blank, non-metallic FS cover plate with foam gasket, gray. | HBLP14FS |
| Duplex, non-metallic FS cover plate, gray. | HBLP8FS |
| 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 |

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 |

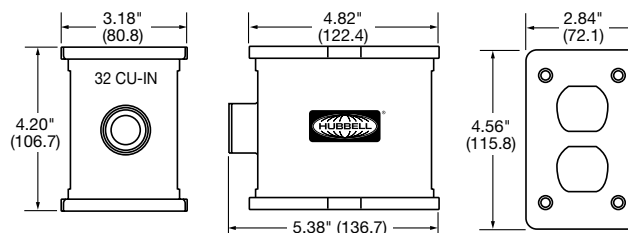
Nylon Cord Connector Straight Male Thread

| 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)

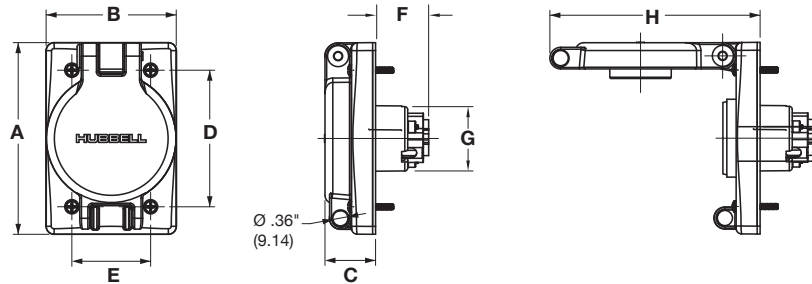
| | | 15A & 20A Straight Blade | 15A Non-NEMA Straight Blade | 15A Twist-Lock® | 20A Twist-Lock® | 30A Twist-Lock® |
|------------|----------|-----------------------------|--------------------------------|--------------------|--------------------|--------------------|
| Plugs | A | 1.85" (47.07) | 1.63" (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) |



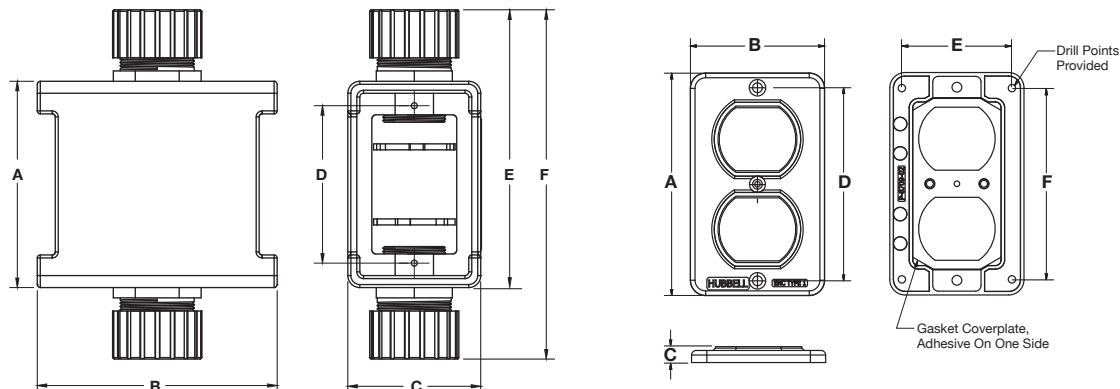
Portable Outlet Boxes Inches (mm)

| | 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 (with UL Type 4X receptacle assembly) UL Type 3R (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) 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) 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) -40°C (without impact) to +60°C continuous |
| Operating Temperatures | All exposed materials are UV stabilized |
| UV Resistance | |