Steel Boxes, Covers and Accessories
Applications: Steel Boxes
RACO® high-quality steel boxes:
• Are used in branch circuit wiring
• Accommodate wiring devices, such as switches and receptacles
• Most may also serve as fixture supports
• Provide excellent protection for wiring system or devices
• Must be closed with a cover, light fixture canopy or wallplate
• Permit access to conductors for maintenance
• Allow for branch circuit runs
• Provide two-hour fire rating for 4x4 or smaller wall opening

Product Features: Outlet Boxes for Fixture or Fan Support
These high-quality boxes:
• Are listed to support lighting future canopies or fans
• Feature oversized #10 screws to provide strength and rigidity

Product Features: TKO Knockouts
• TKO knockouts offer greater flexibility with RACO® combination 1/2” and 3/4” knockout
• Stock just one product instead of two or three
• One product for the installer to carry

TKO Provides Reliable Grounding Path
• Independent tests conducted by UL prove that the TKO passes the same high-current fault test used to test grounding bushings and ground lugs
• RACO® TKO knockout is UL Listed, providing bonding without the use of bonding jumpers
• Suitable for bonding without any additional bonding means around concentric (or eccentric, TKO) knockouts where used in circuits above or below 250V
• This knockout does not impair the electrical connection to ground

Most RACO® Boxes Have At Least One Tapped #10-32 Grounding Hole
• The products that do not have a grounding screw hole are: plenum boxes catalog numbers 225 and 239

Product Features: Combination Screw Heads
• Cover and clamp screws have combination slotted/Phillips heads
• Self-tapping screws provide for 100% thread engagement

Metallic Boxes: Fire Resistance Rating Wall Penetrations*
Listed single and double gang metallic outlet and switch boxes with metallic or nonmetallic cover plates, also metallic 4x4 and octagon boxes may be used in bearing and non-bearing wood stud and steel stud walls, and floor-ceiling and roof-ceiling assemblies with ratings not exceeding two hours.

The surface area of individual metallic outlet or switch boxes shall not exceed 16 square inches through a fire rated wall. The aggregate surface area of the boxes shall not exceed 100 square inches per 100 square feet. Boxes located on opposite sides of walls or partitions shall be separated by a horizontal distance of 24 inches.

The metallic outlet or switch boxes shall be securely fastened to the studs, and the opening in the wallboard facing shall be cut so that the clearance between the box and the wallboard does not exceed 1/8 inch.


Standard Materials: Steel Covers, Outlet and Standard Switch Boxes
• Steel boxes and covers are made of .0625 inch thick galvanized sheet steel
• Handy Box covers are made of .030 inch thick galvanized sheet steel

Compliances
RACO® steel boxes and covers generally carry the following compliance ratings:
• UL Listed – Standard 514-A, file E195978 ("QDIT" Category)
• Boxes and covers are listed for their Electrical Applications (electrical codes), UL Electrical Construction Equipment Online Directory (electrical codes).

Note: For installation guidelines and to learn more about RACO® products, visit the NEMA website at http://www.nema.org.

The National Electrical Manufacturers Association (NEMA) website is a valuable electrical resource providing the information you need – quickly.

Wire Rating: Steel Outlet and Switch Boxes; Cubic Inches
Maximum Number of Conductors or Minimum Size Box Required – National Electrical Code Article 314.16 (A and B) also table 314.16(A)

The purpose of NEMA Article 314.16 is to determine the maximum conductor count or the minimum box size required for an application. It also may be used to determine how many other conductors may be added without exceeding the Code-prescribed limit.

Most applications have determined the number of conductors. The question that then remains is the smallest (minimum) size box that is permitted. The rules of Article 314.16 are to be used to determine the Code-recognized limit. Selection of an outlet or junction box for use in an electrical circuit work must take into consideration the maximum number of wires permitted in the box. Safe electrical practice demands that wires not be jammed into boxes because of the possibility of nicks, abrasions or other damage to the insulating material, creating the potential for ground faults or short circuits.

Article 314 – Boxes and Fittings
NEC® 314.16 (A and B) also table 314.16(B). Number of Conductors in Outlet, Device, and Junction Boxes, and Conduit Bodies.

Boxes shall be of sufficient size to provide free space for all enclosed conductors. In no case shall the volume of the box, as calculated in (a) below, be less than the fill calculation as calculated in (b) below. The minimum volume for conduit bodies shall be as calculated in (c) below.

1. Box Fill Calculations.
   a. Volume of the box, as calculated in Table 314.16(A).
   b. Fill calculation as calculated in Table 314.16(B).
   c. Minimum volume for conduit bodies shall be as calculated in (b) above.

2. Conductor Fill Calculations.
   a. Volume of the box, as calculated in Table 314.16(A).
   b. Fill calculation as calculated in Table 314.16(B).
   c. Minimum volume for conduit bodies shall be as calculated in (b) above.

The provisions of this section shall not apply to terminal housings supplied with motors. See Section 430.12.

Boxes and conduit bodies enclosing conductors, size #4 or larger, shall also comply with the provisions of Section 314.16.

(a) Box Volume Calculations. The volume of a wiring enclosure (box) shall be the total volume of the assembly sections, and, where used, the space provided by plaster rings, domed covers, extension rings, etc., that are marked with their volume in cubic inches or are made from boxes the dimensions of which are listed in Table 314.16(A).

1. Standard Boxes. The volume of standard boxes that are not marked with a cubic inch capacity shall be as given in *Table 314.16(A).

2. Other Boxes. Boxes 100 cubic inches (1,640 cu. cm.) or less, other than those described in Table, and nonmetallic boxes shall be durably and legibly marked by the manufacturer with their cubic inch capacity. Boxes described in Table that have a larger cubic inch capacity than is designated in the table shall be permitted to have their cubic inch capacity marked as required by this section.

(b) Box Fill Calculations. The volumes in paragraphs (1) through (5) below, as applicable, shall be added together. No allowance shall be required for small fittings such as locknuts and bushings.

1. Conductor Fill. Each conductor that originates in the box and the box is not spliced or is spliced within the box shall be counted once, and each conductor that passes through the box without splice or termination shall be counted once. The conductor fill, in cubic inches, shall be computed using Table 314.16(B). A conductor, no part of which leaves the box, shall not be counted.

2. Exception. Where an equipment grounding conductor or not over four fixture wires smaller than #14, or both, enter a box, from a domed fixture or similar canopy and terminate within that box, it shall be permitted to omit these conductors from the calculations.

(2) Clamp Fill. Where one or more internal cable clamps, whether factory or field supplied, are present in the box, a single volume allowance in accordance with NEC® 314.16(B)(1) shall be made for each yoke or strap based on the largest conductor connected to a device(s) or equipment supported by that yoke or strap.

(3) Equipment Grounding Conductor Fill. Where one or more equipment grounding conductor(s) enter(s) a box, a single volume allowance in accordance with NEC® 314.16(B)(1) shall be made for each yoke or strap based on the largest conductor connected to the box.
250.97 Method of Bonding Service Equipment — Bonding Jumper. Bonding jumpers are not required for concentric and eccentric knockouts if they are listed.

314.27 Method of Bonding Service Equipment — Bonding Jumper. This Section is used to ensure that there is ground continuity when a concentric or eccentric knockout incorporated in a box. A bonding jumper is not required when using any of the RACO® patented TKO® knockout boxes.

314.27 (A) Boxes at Lighting Fixture Outlets. Boxes to support light fixtures must be listed for fixture support.

Device boxes use #6-32 screws to secure devices such as snap-switches and receptacles. They are not suitable for support of other than very lightweight lighting fixtures, such as some wall-bracket types.

Only boxes that are UL Listed for the application may be fastened into the floor. RACO® floor boxes are in Section A of this catalog.

800.133 Exception (A)(1)(d) Installation of Communications Wires, Cables and Equipment — Electric Light or Power Circuits. Communications conductors shall not be placed in any raceway, compartment, outlet box, junction box, or similar fitting with conductors or electric light or power circuits or Class I circuits.

For any ceiling outlet that is intended to have a ceiling (paddle) fan installed, a UL Listed outlet box rated for ceiling fan support must be installed. RACO® offers a complete line of products designed for various applications and mounting needs.

314.27 (C) Boxes at Fan Outlets. Boxes at Ceiling-Suspended (Paddle) Fan Outlets. Outlet boxes or outlet box systems used as the sole support of a ceiling suspended (paddle) fan shall be listed, shall be marked by their manufacturer as suitable for this purpose, and shall not support ceiling-suspended (paddle) fans that weigh more than 32kg (70lb).

For any ceiling outlet that is intended to have a ceiling (paddle) fan installed, a UL Listed outlet box rated for ceiling fan support must be installed. RACO® offers a complete line of products designed for various applications and mounting needs.

314.16 (A)(3) Space for Conductors. Canopies and outlet boxes taken together shall provide adequate space so that fixture conductors and their connecting devices can be properly installed.

When calculating the minimum cubic inch requirements for an outlet box, the canopy may be included in the calculation at the discretion of the Authority Having Jurisdiction. If the canopy of the fixture/fan is marked with the cubic inch capacity, then the additional volume must be accepted by the Authority Having Jurisdiction.

314.27 (B) Maximum Luminaire Weight. Fixtures greater than 50 pounds cannot be supported by a fixture box unless additional independent support is provided.

All outlet boxes that are intended to be used with fixtures are tested in accordance with UL Standard 314A.

314.24 (B) Depth of Boxes. Minimum depth of boxes for outlets, devices, and utilization equipment.

Boxes must be a minimum depth depending on their use and/or are required to have a minimum clearance behind the device or equipment of per 314.24 (B).

250.146 (A) Surface-Mounted Box. Where the box is mounted on the surface, direct metal-to-metal contact between the device yoke and the box or a contact yoke or device that complies with 250.146(B) shall be permitted to ground the receptacle to the box.

This new method provides better bonding for the cover. RACO® flat cover corners and mud rings comply.
Box Selection

Steel Boxes, Covers and Accessories

Box Selection

Steel Boxes, Covers and Accessories

RACO BOXES, COVERS AND ACCESSORIES

PLASTER EARS

CLAMP TECHNICAL DATA

Conductor Size (AWG) | Volume Per Conductor cm³ | in.³ | Allowances
--- | --- | --- | ---
#18 | 24.6 | 1.50 | 9.00 10.50 12.00 13.50 15.00 16.50 18.00 19.50 21.00
#16 | 32.7 | 2.00 | 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00
#14 | 41.8 | 2.50 | 15.00 17.50 20.00 22.50 25.00 27.50 30.00 32.50 35.00
#12 | 51.1 | 3.00 | 15.00 17.50 20.00 22.50 25.00 27.50 30.00 32.50 35.00
#10 | 59.2 | 3.50 | 15.00 17.50 20.00 22.50 25.00 27.50 30.00 32.50 35.00
#8 | 67.4 | 4.00 | 15.00 17.50 20.00 22.50 25.00 27.50 30.00 32.50 35.00
#6 | 75.5 | 4.50 | 15.00 17.50 20.00 22.50 25.00 27.50 30.00 32.50 35.00
#4 | 83.6 | 5.00 | 15.00 17.50 20.00 22.50 25.00 27.50 30.00 32.50 35.00

Box Fill

Steel Boxes, Covers and Accessories

Steel Boxes, Covers and Accessories

PLASTER EARS

CALCULATE THE MINIMUM SIZE BOX

NEC™ 314.16 (A) and (B) describes the detailed way of counting wires, as well as clamps, fittings, or devices (i.e., switches, receptacles, combination devices) - by establishing an equivalent conductor value for each. These values are added together to get a total number of conductors. The minimum size box is the smallest one in Table 314.16(A) that can accommodate that number of conductors.

1. No matter how many ground wires come into a box, they only count as one conductor within the box.
2. Any wire 12 inches or less in length running unbroken through the box counts as one wire.
3. Each wire coming into a splicing device (crimp or twist-on type) is counted as one wire.
4. Each wire coming into the box and connecting to a device counts as one wire of that size.
5. Fixture studs, cable clamps and hickeys are to be counted as one each for type of fitting. If the box contains two cable clamps, the total is only to be increased by one.
6. Where devices are mounted in the box, the total conductor count must be increased by two for each mounting strap.

Example 1: – Conduit Boxes: Supply power to a 15A duplex receptacle. After supplying the receptacle, the conductors are extended to other outlets. Cable clamps and fittings will be used as the wire way. You must provide space for four conductors and one switch, totaling 6. Read across the line “Allowances” in the Box Fill table to column 6, then read down to the minimum cubic inches required for #14 conductor. This example requires a minimum of 12.0 cubic inches.

Example 2: – Cable Boxes: Supply power to a 15A duplex receptacle. After supplying the receptacle, the conductors are extended to other outlets. Cable clamps and fittings will be used as the wire way. You must provide space for four conductors and one switch, totaling 6. Read across the line “Allowances” in the Box Fill table to column 6, then read down to the minimum cubic inches required for #14 conductor. This example requires a minimum of 18.0 cubic inches.

STEEL BOX SELECTION CHART

CUBIC INCHES: 42.0 30.3 29.5 21.5 21.0 18.0

MC/C & NONMETALLIC CABLE STEEL BOXES

CONDUIT STEEL BOXES

- 4-11/16” Sq. 2-1/8” Deep (inside)
- 4-11/16” Sq. 2-1/8” Depth (inside)
- 4” Sq. 2-1/8” Depth (inside)
- 4” Oct. 2-1/8” Depth (inside)
- 4” Sq. 1-1/2” Depth (inside)
- Switch

Handy
- 2-1/8” (Depth Inside) 1-1/2” (Depth Inside)
- 4” Oct. 2-3/4” (Depth Outside)
- 1-7/8” (Depth Outside)
- 4” Oct. 2-3/4” (Depth Outside)

Clamp
- 3-1/2” Rd. Pan 1/2” (Depth Inside)
- 3-1/2” Pan 1/2” (Depth Inside)

Knockouts and Protrusions

“L” Type
“M” Type
“Q” or “AOL” Type
“B” Type

Knockouts and Protrusions

1/2” Knockout
3/4” Knockout
1” Knockout
1-1/4” Knockout
1-1/2” Knockout
2” Knockout

Cable Protrusions

Always in pairs.

Flat-Bottomed Cable Protrusions: Eliminate chance of cable being cut.

Plaster Ears

One-Screw Ear
Two-Screw Ear

Adjustable plaster ears are included on every switch box and one outlet box. They are set forward 1/32”.

Clamp Technical Data

Clamp Type

ARMOURED CABLE (BX)
METAL CLAD CABLE INTERLOCKING (MCI)
NONMETALLIC SHEATHED CABLE
FLEXIBLE METAL CONDUIT

Steel
Aluminum
Steel
Aluminum

#14-2 to #12-3 w/ground
3/8” trade size

#12-4 to #10-3 w/ground
3/8” trade size

#10-4 to #8-3 w/ground
3/8” trade size

#8-4 to #6-2 w/ground
3/8” trade size

#6-4 w/ground or #4-2
3/8” trade size

#4-2
3/8” trade size

#3-2
3/8” trade size
**Square Boxes and Covers**

<table>
<thead>
<tr>
<th>BRACKET TYPE</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;D&quot;</th>
<th>&quot;FH&quot;</th>
<th>&quot;FM&quot;</th>
<th>&quot;FS&quot;</th>
<th>&quot;J&quot;</th>
<th>&quot;LH&quot;</th>
<th>&quot;MS&quot;</th>
<th>&quot;TS&quot;</th>
<th>&quot;W&quot;</th>
<th>&quot;W&quot; or &quot;W&quot;</th>
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<td>LENGTH (In.)</td>
<td>6-7/16&quot;</td>
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<td>6-3/16&quot;</td>
<td>7-5/16&quot;</td>
<td>6-1/4&quot;</td>
<td>6-3/16&quot;</td>
<td>2-9/16&quot;</td>
<td>4-3/16&quot;</td>
<td>7&quot;</td>
<td>6-25/32&quot;</td>
<td>3-1/8&quot;</td>
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<td>WIDTH</td>
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<td>3/8&quot;</td>
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<td>3/16&quot;</td>
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<td>3/32&quot;</td>
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<td>FOR METAL</td>
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<td>FOR WOOD</td>
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<td>✓</td>
</tr>
</tbody>
</table>

**BOX LOC® "MS" Bracket**
Positions box on either side of stud. BOX-LOC® (MS) Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud. Barbed hooks dig into the flat side of the stud, quickly locking it into place.

**"W" Bracket**
Box away from side of stud to clear the trim molding of a door frame.

**"FH" Bracket**
Face mounts on front edge of wood stud. Use when space between studs is limited.

**"FM" Bracket**
Mounts on flat side of stud.

**"FS" Bracket**
Mounts on flat side of stud. Gauging tabs and recessed nailing spurs.

**"J" Bracket**
Spurs, slotted holes for toe-nailing. Gauging notches at 5/8" and 1/2".

**"LB" Bracket**
Face mounts on front edge of wood stud. Use when space between studs is limited. 5/8" offset to clear narrow door molding.

**"MS" Bracket**
Mounts on flat side of stud. Gauging tabs and recessed nailing spurs.

**"W" or "W" Bracket**

**"TS" Bracket**
Snap on both opposite sides of box.

**"A" Bracket**
Positions handy box against face and side of stud.

**"D" Bracket**
Face mounts on front edge of wood stud. Use when space between studs is limited.

**"FM" Bracket**
Mounts on flat side of stud.

**"FH" Bracket**
Side-mount bracket with hooks that drive into the flat side of the stud, quickly locking it into place.

**"FS" Bracket**
Bracket is held in place by the toe-nail grips and notched edge. Dimples protect flush drywall installation.

**"LB" Bracket**
Snap on both opposite sides of box.

**"MS" Bracket**
Mounts on flat side of stud. Gauging tabs and recessed nailing spurs.

**"TS" Bracket**
Snap on both opposite sides of box.

**"W" Bracket**
Positions box away from side of stud to clear the trim molding of a door frame.

**"W" or "W" Bracket**
Snap on both opposite sides of box.

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**Applications**
- **RACO® Boxes** are installed in walls or ceilings for lighting fixtures, switches or receptacles.
- **Square boxes** are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices.
- **Drawn boxes** are ideal for exposed work applications.

**Product Features**
- Combination screw heads provide for faster installation.
- Thru-the-wall boxes are designed for shallow wall applications and allows for attachment of wall plate to both faces of box.

**Compliance**
- **File E195798**
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI-UL 263, Sec. III-6.

---

**4" Square Boxes – Drawn with Conduit KO’s**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>cubic inches</th>
<th>Knockouts Std. Conduit</th>
<th>Bottom knockout</th>
<th>Std. Pkg.</th>
<th>Bar Code</th>
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<tbody>
<tr>
<td>185</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>18.0 (295.0)</td>
<td>(8) 1/2&quot;</td>
<td>(5) 1/2&quot;</td>
<td>50</td>
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<tr>
<td>190</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
<td>(12) 1/2&quot;</td>
<td>(4) 1/2&quot;</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>8190</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
<td>(12) 1/2&quot;</td>
<td>(4) 1/2&quot;</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>191</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
<td>(6) 3/4&quot;</td>
<td>(1) 1/2&quot;, (3) 3/4&quot;</td>
<td>50</td>
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</tr>
<tr>
<td>8191</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
<td>(6) 3/4&quot;</td>
<td>(1) 1/2&quot;, (3) 3/4&quot;</td>
<td>25</td>
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<tr>
<td>192</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
<td>(6) 3/4&quot;</td>
<td>(1) 1/2&quot;, (3) 3/4&quot;</td>
<td>50</td>
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</tr>
<tr>
<td>8192</td>
<td>4&quot; Square Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
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<td>1925M</td>
<td>4&quot; Square Through-Wall Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.0 (344.1)</td>
<td>(6) 3/4&quot;</td>
<td>(3) 3/4&quot;</td>
<td>50</td>
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<tr>
<td>204</td>
<td>4&quot; Square Through-Wall Box, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>22.5 (368.7)</td>
<td>(8) 1/2&quot;, (4) 3/4&quot;</td>
<td>(3) 3/4&quot;</td>
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</tbody>
</table>

**See End of Section (PG A78) for Detailed Drawings**
RACO BOXES, COVERS AND ACCESSORIES

4" SQUARE BOXES – WELDED WITH CONDUIT KO’S

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KNOCKOUTS</th>
<th>BOTTOM CONDUIT</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
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<tr>
<td>181</td>
<td>—</td>
<td>21.0</td>
<td>(3) 3/4&quot;</td>
<td>(1) 1/2&quot;</td>
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<td>189</td>
<td>RACO, Raised Ground, 8&quot; #12 Solid</td>
<td>21.0</td>
<td>(3) 3/4&quot;</td>
<td>(1) 1/2&quot;</td>
<td>6</td>
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<td>819</td>
<td>RACO, Raised Ground</td>
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<td>(3) 3/4&quot;</td>
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<td>RACO, Raised Ground, Painted Red</td>
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<td>(3) 3/4&quot;</td>
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<td>6</td>
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</table>

Applications:
- RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles.
- Square boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices.

Product Features:
- Combination screw heads provide for faster installation.
- TKO® Knockouts allow for design and installation flexibility.
- Red boxes, covers and extensions for dedicated life safety alarm circuits.

Compliance:
- File E195978
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6.
- NOS Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts.

TKO® Knockouts allow for design flexibility. You press the bracket on the stud, quickly locking it in place. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place.

4" SQUARE BRACKETED BOXES – WELDED WITH CONDUIT KO’S

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KNOCKOUTS</th>
<th>BOTTOM CONDUIT</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>189H, 819R, 819H</td>
<td>RACO, Raised Ground, 8&quot; #12 Solid Copper Pigtail, UBS, FAR Side Support</td>
<td>21.0</td>
<td>(3) 3/4&quot;</td>
<td>(1) 1/2&quot;</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>189MS</td>
<td>RACO, Raised Ground, 8&quot; #12 Stranded Copper Pigtail, UBS, NM</td>
<td>21.0</td>
<td>(3) 3/4&quot;</td>
<td>(1) 1/2&quot;</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>189MS</td>
<td>RACO, Raised Ground, 8&quot; #12 Stranded Copper Pigtail, UBS, NM</td>
<td>21.0</td>
<td>(3) 3/4&quot;</td>
<td>(1) 1/2&quot;</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>180M</td>
<td>206, 8208, 93R, 193</td>
<td>21.0</td>
<td>(3) 3/4&quot;</td>
<td>(1) 1/2&quot;</td>
<td>6</td>
<td>—</td>
</tr>
</tbody>
</table>

Applications:
- RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles.
- Square boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices.

Product Features:
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.
- BOX-LOC® (MS) Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place.
- TKO® Knockouts allow for design and installation flexibility.
- UBS Support - Welded to box, preset bend points to work with wall thickness 2-1/2" to 6".

Compliance:
- File E195978
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6.
- NOS Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts.
4" SQUARE EXTENSION RINGS

APPLICATIONS
• RACO® Extension rings provide a means for adding cubic capacity or as an outlet box for surface conduit

PRODUCT FEATURES
• Combination screw heads provide for faster installation
• Red boxes, covers and extensions for dedicated life safety alarm circuits
• RACO® 187 can be positioned to accommodate one or two switch boxes

COMPLIANCE
• File E195978

4" SQUARE BOXES – WELDED WITH CONDUIT KO’S

APPLICATIONS
• RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles
• Square boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices

PRODUCT FEATURES
• Combination screw heads provide for faster installation
• TKO® knockouts offer greater flexibility with RACO patented combination 1/2” and 3/4” knockout
• Red boxes, covers and extensions for dedicated life safety alarm circuits

COMPLIANCE
• LISTED (232SM only)
• All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6.
• Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts
RACO BOXES, COVERS AND ACCESSORIES

4" SQUARE BRACKETED BOXES – WELDED WITH CONDUIT KO’S

- 236
- 235, 8235
- 251
- 232H, 232HS
- 232WHP, 8232WHP
- 232M
- 232F
- 238 BOX-LOC®
- 911-4

APPLICATIONS
- RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles.
- Square boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices.

PRODUCT FEATURES
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.
- BOX-LOC® (MS) Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place.
- Combination screw heads provide for faster installation.
- TKO® knockouts offer greater flexibility with RACO® patented combination 1/2” and 3/4” knockout.
- UBS Support - Welded to box, preset bend points to work with wall thickness 2-1/2" to 5”.
- Red boxes, covers and extensions for dedicated life safety alarm circuits.
- Steel Boxes do not provide ground screw holes.

COMPLIANCE
- A15 File E195978
- RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire-rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6.
- RACO UL Listed solid copper pigtail.

4" SQUARE BOXES AND COVERS

- 264PL, Raised Ground, 8” #12 Solid Copper Pigtail, UBS, HM 30.3 (496.5) (8) 1/2", (4) TKO (2) 1/2", (2) TKO 25 IIIIIIII
- 239 SQUARE BOXES AND COVERS
- 264PL, Raised Ground, 8” #12 Solid Copper Pigtail, UBS, HM 30.3 (496.5) (8) 1/2", (4) TKO (2) 1/2", (2) TKO 25 IIIIIIII
- All RACO UL listed steel boxes are A15. www.hubbell.com/raco/en

APPLICATIONS
- 8232HWP Raised Ground, UBS, HM 30.3 (496.5) (8) 1/2", (4) TKO (2) 1/2", (2) TKO 25 IIIIIIII
- To maintain plenum seal, RACO Plenum boxes are used in above-ceiling applications where air-tight enclosures are required.
- Cover gasket in PVC foam material.
- Air-tight Knockouts

PRODUCT FEATURES
- 232H, 232HS Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM 30.3 (496.5) (8) 1/2", (4) TKO (2) 1/2", (2) TKO 25 IIIIIIII
- Over gasket is PVC foam material.
- File E195978

COMPLIANCE
- RACO® Plenum boxes do not provide ground screw holes.
APPLICATIONS
• RACO® Red boxes and covers allow inspector or building owner to immediately identify alarm/fire or life safety systems

PRODUCT FEATURES
• 3-3/4” opening in wall allows for margin of error when using a 4” square cover
• Accepts all 4” square covers and mudrings
• Red boxes, covers and extensions for dedicated life safety alarm circuits

COMPLIANCE
• File E195978

CAT. # DESCRIPTION CUBIC INCHES (CM³) KNOCKOUTS STD. PKG. BAR CODE 213, 8213 4” Square Box, 1-1/2” Deep – Welded with Armored Cable/Metal Clad/Flex Clamps

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>CABLE KNOCKOUTS</th>
<th>SIDES KNOCKOUTS</th>
<th>BOTTOM KNOCKOUTS</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>213</td>
<td>HM, UBS</td>
<td>21.0 (344.0)</td>
<td>4 (4) 1/2”, (1) TKO</td>
<td>(1) 1/2”</td>
<td>25 IIIII</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>8213</td>
<td>FS, Flash</td>
<td>21.0 (344.0)</td>
<td>4 (3) 1/2”, (1) TKO</td>
<td>(1) 1/2”</td>
<td>10 IIIII</td>
<td>50</td>
<td>—</td>
</tr>
</tbody>
</table>

4” SQUARE BOXES – WELDED WITH ARMORED CABLE / METAL CLAD / FLEX CLAMPS

APPLICATIONS
• RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles
• Square boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices

PRODUCT FEATURES
• Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
• BOX-LOC® (MS) Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place
• UBS Support - Welded to box, preset bend points to work with wall thickness 2-1/2” to 6”
• Combination screw heads provide for faster installation
• TKO® Knockouts offer greater flexibility with RACO patented combination 1/2” and 3/4” knockout

COMPLIANCE
• File E195978
• All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III–6.
• NFLG: For U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts
4" SQUARE BOXES – WELDED WITH ARMORED CABLE / METAL CLAD / FLEX CLAMPS

**APPLICATIONS**
- RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles.
- Steel boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices.

**PRODUCT FEATURES**
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.
- BOX-LOC® Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place.
- Combination screw heads provide for faster installation.
- TKO® knockouts offer greater flexibility with RACO patented combination 1/2" and 3/4" knockout.

**COMPLIANCE**
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.
- With RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6.

**SPECIFICATIONS**
- For any job where flexible armored cable is being used.
- Each STAB-IT connector accommodates two cables.
- Pre-installed 8” solid #12 pigtail for faster installation.

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>248</td>
<td>4&quot; Square Box, 2-1/8&quot; Deep – Welded with Armored Cable/Metal Clad/Flex Clamps</td>
</tr>
<tr>
<td>248S</td>
<td>4&quot; Square Bracketed Box, 2-1/8&quot; Deep – Welded with Armored Cable/Metal Clad/Flex Clamps</td>
</tr>
</tbody>
</table>

**PRODUCT FEATURES**
- Accepts cable sizes from 1/4 to 10/3 for most cable types.

**EACH STAB-iT CONNECTOR ACCOMMODATES TWO CABLES.**
Steel Boxes, Covers and Accessories

RACO BOXES, COVERS AND ACCESSORIES

**Applications**
- RACO® Boxes are installed in walls or ceilings for lighting fixtures, switches or receptacles.
- Square boxes are used where multiple conductor runs are split into two or more directions to bring power to a number of electrical devices.

**Product Features**
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.
- BOX-LOC® (MS) Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place.
- Combination screw heads provide for faster installation.
- TKO® knockouts offer greater flexibility for dedicated life safety alarm circuits.

**Compliance**
- @ File E195978
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III–6.
- FLP® for U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts.

**4” SQUARE BOXES – WELDED WITH NONMETALLIC SHEATHED CABLE CLAMPS**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KD OUTS</th>
<th>SIDE</th>
<th>BOTTOM</th>
<th>PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>211</td>
<td>223 BOX-LOC®</td>
<td>21.0 (496.5)</td>
<td>4 (1) TKO</td>
<td>(1) 1/2”</td>
<td>(1) 25</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>211</td>
<td>228 BOX-LOC®</td>
<td>21.0 (496.5)</td>
<td>4 (1) TKO</td>
<td>(1) 1/2”</td>
<td>(1) 25</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>223</td>
<td>FS, Flush</td>
<td>21.0 (496.5)</td>
<td>4 (1) TKO</td>
<td>(1) 1/2”</td>
<td>(1) 25</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>225</td>
<td>B, Flush</td>
<td>21.0 (496.5)</td>
<td>4 (1) TKO</td>
<td>(1) 1/2”</td>
<td>(1) 25</td>
<td>25</td>
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</tr>
</tbody>
</table>

**4” SQUARE BOXES – FLAT COVER**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>STD. PK.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>211</td>
<td>Flat</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>8752</td>
<td>Flat, Blank</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>768</td>
<td>Raised 1/4”</td>
<td>1.5 (38.1)</td>
<td>100</td>
<td>—</td>
</tr>
<tr>
<td>782</td>
<td>Raised 1/2”</td>
<td>3.5 (88.9)</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>772</td>
<td>Raised 3/8”</td>
<td>2.8 (71.1)</td>
<td>100</td>
<td>—</td>
</tr>
<tr>
<td>8772</td>
<td>Raised 3/4”</td>
<td>4.5 (114.3)</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>766</td>
<td>Raised 1/4”</td>
<td>1.5 (38.1)</td>
<td>100</td>
<td>—</td>
</tr>
<tr>
<td>774</td>
<td>Raised 1”</td>
<td>7.5 (190.5)</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>775</td>
<td>Raised 1 1/4”</td>
<td>9.5 (241.3)</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>785</td>
<td>Raised 1 1/2”</td>
<td>11.3 (287.6)</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>786</td>
<td>Raised 2”</td>
<td>14.5 (368.3)</td>
<td>25</td>
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**4” SQUARE SINGLE DEVICE COVERS**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>STD. PK.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>875</td>
<td>Flat</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>8775</td>
<td>Flat, Blank</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>8753</td>
<td>Flat, 1/2” KO in Center</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>8753-S</td>
<td>Flat, 1/2” KO in Center</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>754</td>
<td>Flat, 3/4” KO in Center</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>911-8</td>
<td>Flat, Blank, Painted Red</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
</tbody>
</table>

**Applications**
- RACO® covers are used to close an outlet box.
- Raised device covers are used for mounting switches or receptacles.

**Product Features**
- Angled mounting slots compensate up to 12° for box misalignment.
- Red boxes, covers and extensions for dedicated life safety alarm circuits.

**Compliance**
- @ File E195978
- @ File LR-1082
### 4" SQUARE COVERS

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Cubic Inches (cm³)</th>
<th>STD. PKG.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>791</td>
<td>Flat</td>
<td>—</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>777</td>
<td>Raised, 1/4&quot;, Drawn</td>
<td>3.0 (49.2)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>8777-0</td>
<td>Raised, 1/4&quot;, Drawn</td>
<td>3.0 (49.2)</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>778</td>
<td>Raised, 1/2&quot;, Drawn</td>
<td>5.5 (90.1)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>8778</td>
<td>Raised, 1/2&quot;, Drawn</td>
<td>5.5 (90.1)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>790</td>
<td>Raised, 3/4&quot;, Drawn</td>
<td>7.3 (119.6)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>8790</td>
<td>Raised, 3/4&quot;, Drawn</td>
<td>7.3 (119.6)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>779</td>
<td>Raised, 3/4&quot;, Drawn</td>
<td>8.8 (144.2)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>8779</td>
<td>Raised, 3/4&quot;, Drawn</td>
<td>8.8 (144.2)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>780</td>
<td>Raised, 1&quot;, Drawn</td>
<td>12.0 (196.6)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>8780</td>
<td>Raised, 1&quot;, Drawn</td>
<td>12.0 (196.6)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>781</td>
<td>Raised, 1-1/4&quot;, Drawn</td>
<td>15.0 (245.8)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>8781</td>
<td>Raised, 1-1/4&quot;, Drawn</td>
<td>15.0 (245.8)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>795</td>
<td>Raised, 1-1/2&quot;, Welded</td>
<td>15.5 (253.9)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>8795</td>
<td>Raised, 1-1/2&quot;, Welded</td>
<td>15.5 (253.9)</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>796</td>
<td>Raised, 2&quot;, Welded</td>
<td>20.5 (335.9)</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

#### APPLICATIONS
- Raised device covers are used for mounting switches or receptacles
- Low voltage partitions may be added to conduit-type boxes to divide power from voice/data

#### PRODUCT FEATURES
- Angled mounting slots compensate up to 12° for box misalignment

#### COMPLIANCES
- File E195978
- File LR-1082

### ADJUSTABLE MUD RINGS

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>STD. PKG.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>768AMR</td>
<td>1-gang Adjustable Mud Ring for 4&quot; sq. boxes</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>769AMR</td>
<td>2-gang Adjustable Mud Ring for 4&quot; sq. boxes</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

#### APPLICATIONS
- Maintain code-compliant installations in hospitals, health care and multi-family applications. Great for use with ceramic tile

#### PRODUCT FEATURES
- 1/2" to 1-3/8" adjustability range
- Depth adjusted by 2 screws located on opposite sides
- Adjustment screws are clearly visible and accessible even after device is installed
- All screws are inside of ring eliminating damage from router
- Design allows 2-gang cover to be installed without removing box screws
- For use with 2-1/8" deep boxes only

#### COMPLIANCE
- LISTED
RACO BOXES, COVERS AND ACCESSORIES

钢质盒子、盖子和附件

应用
- RACO Stud-Mount Mud Rings 提供4寸盒子的安全支持并配备内置泥条。

产品特点
- 刚性支架设计消除了需要侧面支持的必要
- 能够消除低压安装中的电气箱
- 可从钢支架的两侧安装
- 正面定位卡扣确保与支架的稳定对齐
- 中心窗口确保准确定位
- 适用于所有盒子的深度和钢支架尺寸，无需调整
- 快速安装到钢支架的前面

合规性
- 负责编号 E195978

<table>
<thead>
<tr>
<th>产品编号</th>
<th>描述</th>
<th>重量(磅)</th>
<th>包装数</th>
<th>产品代码</th>
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</thead>
<tbody>
<tr>
<td>772B</td>
<td>4寸 Stud Mount Mud Rings</td>
<td>42</td>
<td>25</td>
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<tr>
<td>768B</td>
<td>One Device Raised 1/2”</td>
<td>44</td>
<td>25</td>
<td>10000000</td>
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<tr>
<td>773B</td>
<td>One Device Raised 3/4”</td>
<td>47</td>
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<tr>
<td>778B</td>
<td>Two Device Raised 1/2”</td>
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<td>Two Device Raised 5/8”</td>
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<td>10000000</td>
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<tr>
<td>779B</td>
<td>Two Device Raised 3/4”</td>
<td>42</td>
<td>20</td>
<td>10000000</td>
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铰链泥条

产品编号 | 描述 | 包装数 | 产品代码 |
<table>
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<tr>
<td>772H</td>
<td>1-Gang Hinged Mud Ring 1/2” raised</td>
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<tr>
<td>768H</td>
<td>1-Gang Hinged Mud Ring 5/8” raised</td>
<td>25</td>
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</tr>
<tr>
<td>778H</td>
<td>2-Gang Hinged Mud Ring 1/2” raised</td>
<td>25</td>
<td>10000000</td>
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<tr>
<td>769H</td>
<td>2-Gang Hinged Mud Ring 5/8” raised</td>
<td>25</td>
<td>10000000</td>
</tr>
<tr>
<td>779H</td>
<td>2-Gang Hinged Mud Ring 3/4” raised</td>
<td>25</td>
<td>10000000</td>
</tr>
</tbody>
</table>

应用
- 完美用于安装在干墙或陶瓷瓷砖的商业或住宅应用

产品特点
- 独特设计允许泥条在施工现场打开
- 铰链设计方便快速地安装套管连接器和布线
- 接受所有标准装置
- 2gang版本接受低压分隔

合规性
- 列表

图中展示了不同型号的钢质盒子和铰链泥条。
SQUARE BOXES AND COVERS

4" SQUARE PARTITIONS

706RAC, 707RAC, 708, 709

APPLICATIONS

- Low voltage partitions may be added to conduit-type boxes to divide power from voice/data
- Must be used with raised covers

PRODUCT FEATURES

- Partition divdes 4" square boxes into two compartments
- Use with two-device covers which have a slot for the partition
- Partition is scored so it can be broken at the proper depth of box and cover combination
- Helpful hint: Assemble the box with the partition in place before breaking off at the scored tab. This will prevent you from breaking off more tab than needed

PRODUCT FEATURES

- Screws and break-off lock nuts
- Insulating retaining washer removed for installation instructions
- Printed catalog number, compliances and requirements of the 2020 NEC Article 250.146 (A). No bonding jumper is required

4" SQUARE FIxture COVERS

756-759, 767, 8756, 8767

APPLICATIONS

- Raised fixture covers are used where fixtures will be installed
- Swivel covers restricted to 20° swing from vertical
- KWIK-HANG® 897KH allows easy installation of hang bay lighting fixtures. Fixture rests in angled mounting slots compensate up to 12° for box misalignment

PRODUCT FEATURES

- Thread-locking, screws, or nut-locking means that are permanent with thread-locking
- Two or more device attachment fasteners
- 1) Crushed corners
- 2) Two or more device attachment fasteners that are permanent with thread-locking, screws, or nut-locking means
- 3) Insulating retaining washer removed for at least one device attachment screw

4" SQUARE EXPOSED WORK COVERS


APPLICATIONS

- RACO® surface covers are used to support switches or receptacles in areas where the box is surface mounted or positioned in exposed work applications
- RACO® exposed work covers meet the requirements of the 2020 NEC Article 250.146 (A). No bonding jumper is required for covers with:
  1) Crushed corners
  2) Two or more device attachment fasteners that are permanent with thread-locking, screws, or nut-locking means
  3) Insulating retaining washer removed for at least one device attachment screw
- Hardware and cover are packed with printed catalog number, compliances and installation instructions

COMPLIANCE

- UL LISTED

CATALOG # DESCRIPTION CUBIC IN. STD. PKG. BAR CODE

800C 1 Toggle Switch 6.5 (106.5) 10 IIIIIIII
801C 1 Receptacle 1.406" Dia. 6.5 (106.5) 10 IIIIIIII
803C 2 Toggle Switches 6.5 (106.5) 10 IIIIIIII
804C Blank, No Holes 6.5 (106.5) 10 IIIIIIII
805C 1 Toggle Switch and 1 Receptacle 1.406" Dia. 6.5 (106.5) 10 IIIIIIII
806C 1 Duplex and 1 Receptacle 1.406" Dia. 6.5 (106.5) 10 IIIIIIII
807C 2 Receptacles 1.406" Dia. 6.5 (106.5) 10 IIIIIIII
808C 1 GFCI 6.5 (106.5) 10 IIIIIIII
809C 2 GFCI 6.5 (106.5) 10 IIIIIIII
810C 50A Receptacle 2.141" Dia. 6.5 (106.5) 10 IIIIIIII
811C 30A Locking 1.719" Dia. 6.5 (106.5) 10 IIIIIIII
812C 20A Receptacle 1.620" Dia. 6.5 (106.5) 10 IIIIIIII
813C 30-60A Receptacle 2.625" Dia. 6.5 (106.5) 10 IIIIIIII
814C 1 GFCI and 1 Toggle Switch 6.5 (106.5) 10 IIIIIIII
815C 1 GFCI and 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII
816C 2 Duplex Receptacles 6.5 (106.5) 10 IIIIIIII
817C 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII
897KH KWIK-HANG® for 4" Sq. Boxes, 1/2" or 3/4" Pipe — 50 25 —

CATALOG # DESCRIPTION STD. PKG. BAR CODE

875KH 4" SQUARE PARTITIONS — Raised 1/2" 6.5 (106.5) 10 IIIIIIII
876C 1 Duplex Receptacle and 1 Toggle Switch 6.5 (106.5) 10 IIIIIIII
876C 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII
876C 2 Duplex Receptacles 6.5 (106.5) 10 IIIIIIII
876C 1 GFCI and 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII
876C 2 Duplex Receptacles 6.5 (106.5) 10 IIIIIIII
876C 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII
876C 30A Locking 1.719" Dia. 6.5 (106.5) 10 IIIIIIII
876C 20A Receptacle 1.620" Dia. 6.5 (106.5) 10 IIIIIIII
876C 1 GFCI and 1 Toggle Switch 6.5 (106.5) 10 IIIIIIII
876C 1 Duplex, 1 20A Twist Lock 1.620" Dia. 6.5 (106.5) 10 IIIIIIII
876C 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII
876C 2 Duplex Receptacles 6.5 (106.5) 10 IIIIIIII
876C 1 GFCI and 1 Duplex Receptacle 6.5 (106.5) 10 IIIIIIII

Partitions are usable but not UL listed for 4-11/16" sq. box.
For 1-1/2" and 2-1/8" deep boxes with 5/8" cover, partition not available.
Boxes, covers, and partitions must be ordered separately.
4" SQUARE EXPOSED WORK COVERS

APPLICATIONS
• RACO® surface covers are used to support switches or receptacles in areas where the box is surface mounted or positioned in exposed work applications.

PRODUCT FEATURES
• RACO® exposed work covers include driven screws and break-off lock nuts.
• RACO® Exposed work covers meet the requirements of the 2020 NEC Article 250.146 (A). No bonding jumper is required for covers with:
  (1) Crushed corners
  (2) Two or more device attachment fasteners that are permanent with thread-locking, screws, or nut-locking means
  (3) Insulating retaining washer removed for at least one device attachment screw
• Hardware and cover are packed in a poly-bag with printed catalog number, compliances and installation instructions.

COMPLIANCE
•

CATALOG # DESCRIPTION CUBIC IN. (CM3) STD. PKG. BAR CODE
4" Square Universal Crushed Corner Covers
880U Universal for 1 Device: 1 GFCI, 1 Duplex or 1 Toggle (Insert Plates) 6.5 (106.5) 10 IIIIIII
880U Universal for 2 Devices: 2 GFCI, 2 Duplex or 2 Toggle (Insert Plates) 6.5 (106.5) 10 IIIIIII

811U Universal for 1 Round Device: 1.405" Dia Hole, 1.620" Dia Hole or 1.709 Dia Hole (Insert Plates) 6.5 (106.5) 10 IIIIIII

4-11/16" SQUARE BOXES AND EXTENSION RINGS – DRAWN WITH CONDUIT KO’S

APPLICATIONS
• RACO® 4-11/16" Boxes are used for a wide variety of industrial applications where larger sized conductors or wiring devices are needed and more volume is required.
• Drawn boxes are ideal for exposed work applications (surface mounted wiring).
• RACO® Extension rings provide a means for adding cubic capacity or as an outlet box for surface conduit.

PRODUCT FEATURES
• Combination screw heads provide for faster installation.

COMPLIANCE
• File E195978

CAT. # DESCRIPTION CUBIC INCHES (CM3) SIDE CONDUIT BOTTOM CONDUIT STD. PKG. BAR CODE
4-11/16" Square Boxes, 1-1/2" Deep — Drawn with Conduit KO’s
245 — 29.5 (483.4) (12) 1/2", (3) 1/2", (2) 3/4" 25 —
246 — 29.5 (483.4) (10) 3/4", (3) 1/2", (2) 3/4" 25 —
247 — 29.5 (483.4) (8) 1/2", (4) 3/4", (3) 1/2", (2) 3/4" 25 —
4-11/16" Square Extension Rings — Drawn with Conduit KO’s
250 1-1/2" Depth 29.5 (483.4) (12) 1/2", (3) 3/4", (2) 1/2", (3) 3/4" 25 —
252 2-1/8" Depth 43.0 (704.6) (8) 1/2", (4) 3/4", (3) 1/2", (2) 3/4" 25 IIIIIII

SEE END OF SECTION (PG A79) FOR DETAILED DRAWINGS
## 4-11/16" Square Boxes

### STAB-IT II

**NEW!**

**APPLICATION**
- For any job where flexible armored cable is being used
- Ideal for pre-fab

**PRODUCT FEATURES**
- Refer to chart on A7
- Accepts cable sizes from 14/2 up to 10/3 for most cable types
- 3 times faster than traditional connectors
- Each STAB-IT connector accommodates three cables

**COMPLIANCE**
- UL Listed

**CAT. # DESCRIPTION**

<table>
<thead>
<tr>
<th>CAT.</th>
<th>DESCRIPTION</th>
<th>CUBE INCHES</th>
<th>SIDE CONDUIT</th>
<th>BOTTOM CONDUIT</th>
<th>STD. PK.</th>
<th>BAR CODE</th>
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<tr>
<td>2525</td>
<td>(1) STAB-IT O Connector, w/pigtail</td>
<td>30.3</td>
<td>(2) 1/2&quot;, (3) 1/2&quot;-3/4&quot; KO</td>
<td>(1) 1/2&quot;, (1) 1/2&quot;-3/4&quot; KO</td>
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<td>2520S</td>
<td>(1) STAB-IT O Connector, M Bracket for Pre-fab, w/pigtail</td>
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<td>(2) 1/2&quot;, (3) 1/2&quot;-3/4&quot; KO</td>
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<td>30.3</td>
<td>(2) 1/2&quot;, (3) 1/2&quot;-3/4&quot; KO</td>
<td>(1) 1/2&quot;, (1) 1/2&quot;-3/4&quot; KO</td>
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<td>(2) 1/2&quot;, (3) 1/2&quot;-3/4&quot; KO</td>
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<td>25</td>
<td>MI0011</td>
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**4-11/16" Square Stab-It Box, 2-1/8" Deep – Welded with Conduit KO's**

- RACO® 4-11/16" Boxes are used for a wide variety of industrial applications where larger sized conductors or wiring devices are needed and more volume is required
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- BBG-LOC® (MS) Bracket Box is a snap to install. Place the bracket on the open side of the stud first. Slots in the bracket engage the lip of the stud and actually crimp it as you press the bracket on the stud, quickly locking it in place
- Combination screw heads provide for faster installation
- TNX® knockouts allow for design and installation flexibility
- UBS Support – Welded to box, preset bend points to work with wall thickness 2-1/2" to 0"
- Red boxes, covers and extensions for dedicated life safety alarm circuits

**COMPLIANCES**
- UL (A005998)
- E405/125 Per U.L. S14-A, suitable for use without a bonding jumper in circuits up to 600 volts

**PRODUCT FEATURES**
- A30 RACO BOXES, COVERS AND ACCESSORIES
- SQUARE BOXES AND COVERS

---

**NEW!**

**252MS and 252MSCM feature RACO’s far-side support**

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**See End of Section (PG 479) for Detailed Drawings**
4-11/16" ADJUSTABLE MUD RINGS

PRODUCT FEATURES

• 1/2" to 1-3/8" adjustability range
• Depth adjusted by 2 screws located on opposite sides
• Adjustment screws are clearly visible and accessible even after device is installed
• All screws are inside of ring eliminating damage from router
• Design allows 2-gang cover to be installed without removing box screws
• For use with 2-1/8" deep boxes

APPLICATIONS

• Maintain code-compliant installations in hospitals, healthcare and multi-family applications. Great for use with ceramic tile

COMPLIANCE

• UL Listed

CATALOG # | DESCRIPTION | STD. PKG. | BAR CODE
---|---|---|---
868AMR | 1-gang Adjustable Mud Ring for 4-11/16" sq. boxes | 25 | 
869AMR | 2-gang Adjustable Mud Ring for 4-11/6" sq. boxes | 25 | 

4-11/16" SQUARE COVERS

PRODUCT FEATURES

• For use with 2-1/8" deep boxes
• Design allows 2-gang cover to be installed
• All screws are inside of ring eliminating damage from router
• Adjustment screws are clearly visible and accessible even after device is installed
• 1/2" to 1-3/8" adjustability range

APPLICATIONS

• Red boxes, covers and extensions for dedicated life safety alarm circuits

COMPLIANCES

• UL Listed

CATALOG # | DESCRIPTION | STD. PKG. | BAR CODE
---|---|---|---
832, 832SP | Flat, Blank | 50 | 
833, 8833-5 | Flat, 1/2" KO, Centered | 50 | 
839 | Flat, Blank, Painted Red | | 
842 | Raised 1/2" | 55.5 (907.5) | 25 | 
858 | Raised 5/8" | 4.5 (73.7) | 25 | 
843 | Raised 3/4" | 5.5 (90.3) | 25 | 
838 | Raised 1" | 6.5 (105.6) | 25 | 
840 | Raised 1-1/4" | 12.0 (190.5) | 25 | 
841 | Raised 1-1/2" | 15.0 (237.0) | 25 | 
842 | Raised 1-1/4" | 16.0 (255.6) | 12 | 
843 | Raised 1-1/2" | 16.0 (255.6) | 12 | 
844 | Raised 2" | 18.0 (288.0) | 12 | 

4-11/16" SQUARE COVERS AND PARTITIONS

PRODUCT FEATURES

• 1-gang Adjustable Mud Ring for 4-11/6" sq. boxes
• 2-gang Adjustable Mud Ring for 4-11/6" sq. boxes

APPLICATIONS

• Low voltage partitions may be added for dedicated life safety alarm circuits
• Raised fixture covers are used where fixtures will be installed
• Low voltage partitions may be added to conduit-type boxes to divide power from voice/data
• Partitions must be used with raised covers

COMPLIANCE

• UL Listed

CATALOG # | DESCRIPTION | STD. PKG. | BAR CODE
---|---|---|---
841 | Raised 1/2" DTS | 5.5 (90.3) | 25 | 
842 | Raised 1/2" | 5.5 (90.3) | 25 | 
843 | Raised 5/8" | 4.5 (73.7) | 25 | 
844 | Raised 3/4" | 5.5 (90.3) | 25 | 
845 | Raised 1" | 6.5 (105.6) | 25 | 
846 | Raised 1-1/4" | 12.0 (190.5) | 25 | 
847 | Raised 1-1/2" | 15.0 (237.0) | 25 | 
848 | Raised 2" | 18.0 (288.0) | 12 | 
849 | Raised 1-1/4" | 16.0 (255.6) | 12 | 
850 | Raised 1-1/2" | 16.0 (255.6) | 12 | 

4-11/16" SQUARE FIXTURE COVERS

PRODUCT FEATURES

• Red boxes, covers and extensions for dedicated life safety alarm circuits
• Partition divides 4" square boxes into two compartments
• Use partitions with two-device covers which have a slot for the partition
• Partition is scored so it can be broken at the proper depth of box and cover combination
• Helpful hint: Assemble the box with the partition in place before breaking off at the scored tab. This will prevent you from breaking off more tab than needed

COMPLIANCE

• UL Listed

CATALOG # | DESCRIPTION | STD. PKG. | BAR CODE
---|---|---|---
829 | Raised 1/2", Open, Ears 2-3/4" O.C. | 3.0 (49.6) | 50 | 
830 | Raised 5/8", Open, Ears 2-3/4" O.C. | 4.0 (64.0) | 50 | 

4-11/16" LOW VOLTAGE PARTITIONS

PRODUCT FEATURES

• Low voltage partitions for 1-1/2" depth boxes and 2-device covers

APPLICATIONS

• Low voltage partitions may be added for dedicated life safety alarm circuits
• Raised fixture covers are used where fixtures will be installed
• Low voltage partitions may be added to conduit-type boxes to divide power from voice/data
• Partitions must be used with raised covers

COMPLIANCE

• UL Listed

CATALOG # | DESCRIPTION | STD. PKG. | BAR CODE
---|---|---|---
706RAC | Fits 1/4", 1/2", 3/4", or 1" Cover Depth (8777, 8778, 8779, 8779, 8790) | 25 | 
707RAC | Fits 1-1/2", 1-1/2" or 2" Cover Depth (8790, 8790, 8790, 8790, 8790) | 25 | 
708 | Fits 1-1/2", 1-1/2" or 2" Cover Depth (8790, 8790, 8790, 8790, 8790) | 25 | 
709 | Fits 1-1/2", 1-1/2" or 2" Cover Depth (8790, 8790, 8790, 8790, 8790) | 25 |
### APPLICATIONS
- **RACO®** surface covers are used to support switches or receptacles in areas where the box is surface mounted or positioned in exposed work applications.
- **RACO®** exposed work covers meet the requirements of the 2020 NEC Article 250.146 (A). No bonding jumper is required for covers with:
  1. Crushed corners
  2. Two or more device attachment fasteners that are permanent with thread-locking, screws, or nut-locking means
  3. A lockwasher or equivalent
- Hardware and cover are packed in a poly-bag with printed catalog number, compliances and installation instructions.

### COMPLIANCES
- File E195978

### PRODUCT FEATURES
- **RACO®** Red boxes and covers allow inspector or building owner to immediately identify alarm/fire or life safety systems.
- 911-2, 911-3 boxes have 3-3/4” opening in wall that allows for a margin of error when using a standard 4” square cover.
- LIFE SAFETY SUPPORT PRODUCTS - IMMEDIATE IDENTIFICATION: 911-15 accepts all 4-11/16” square covers and mudrings.

### LIFE SAFETY WALL BOXES AND EXTENSION RINGS

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<th>CUBIC INCHES (CM³)</th>
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<th>BOTTOM CONDUIT</th>
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<td>1-1/2” Depth, Welded, 4” Square</td>
<td>21.0 (344.1)</td>
<td>(8) 1/2”, (4) TKO</td>
<td>(2) 1/2”, 2 TKO</td>
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<td>911-6</td>
<td>1-1/2” Depth, 4” Square, Drawn Extension Ring</td>
<td>22.5 (368.7)</td>
<td>(8) 1/2”, (4) 3/4”</td>
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<td>911-12</td>
<td>2-1/8” Depth, Welded, 4-11/16” Square</td>
<td>42.0 (688.2)</td>
<td>(12) TKO</td>
<td>(1) 1/2”, (3) TKO</td>
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<tr>
<td>911-3</td>
<td>2-1/8” Depth, Welded, 4” Square</td>
<td>30.3 (496.5)</td>
<td>(8) 1/2”, (4) TKO</td>
<td>(3) 1/2”, 2 TKO</td>
<td>25</td>
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<tr>
<td>911-4</td>
<td>2-1/8” Depth, Welded, 4” Square, FM Bracket</td>
<td>30.3 (496.5)</td>
<td>(6) 1/2”, (3) TKO</td>
<td>(3) 1/2”, 2 TKO</td>
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<tr>
<td>911-15</td>
<td>3-1/4” Depth Back Box, Welded, 4-11/16” Square</td>
<td>66.7 (1093.0)</td>
<td>(2) 1/2” - 3/4”, (2) 1/2” - 1-1/4”, (2) 1/2” - 1”, (2) 1/2” - 2”, (2) 3/4” - 1”, (2) 3/4” - 1-1/2”</td>
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<td>911-2</td>
<td>3-1/4” Depth, Welded, 3-3/4” Square</td>
<td>45.0 (737.4)</td>
<td>(12) 1/2” - 3/4”, (12) 1/2” - 1”, (12) 1/2” - 2”, (12) 3/4” - 1”</td>
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<td>3-1/4” Depth, Welded, 3-3/4” Square, FM Bracket</td>
<td>45.0 (737.4)</td>
<td>(10) 1/2” - 3/4”, (10) 1/2” - 1”, (10) 1/2” - 2”, (10) 3/4” - 1”</td>
<td>(4)</td>
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</tbody>
</table>
Steel Boxes, Covers and Accessories

APPLICATIONS
- RACO® Red boxes and covers allow inspector or building owner to immediately identify alarm/fire or life safety systems

PRODUCT FEATURES
- Red boxes, covers and extensions for dedicated life safety alarm circuits

COMPLIANCES
- RACO BOXES, COVERS AND ACCESSORIES

APPLICATIONS
- Low voltage partitions may be added to conduit-type boxes to divide power from voice/data
- Partitions must be used with raised covers
- RACO® RETRO-RING® is used to position any depth, 4” square steel junction box in a sheet rock covered wall cavity
- Use 205RAC is used in old work safety appliance installations
- 205RAC is used in old work installations where one or two devices are required

PRODUCT FEATURES
- RACO® RETRO-RING® works in 3/8” to 1-1/2” thick wall or ceiling applications
- Small footprint is covered by most popular life safety devices
- Steel old work wings allow for secure mounting of box and devices to wall
- Includes one wall template per carton
- 205RAC allows for installation of steel low voltage partition for power/data applications. One or two devices mount directly to 205RAC

COMPLIANCE
- LISTED

CATALOG # DESCRIPTION CUBIC IN. (CM3) STD. PKG. BAR CODE
706RAC, 707RAC Low Voltage Box Partition 8.3 (136.0) 25 —
706RAC Box Partition for RETRO-RING® and 1-1/2” Depth, 4” Sq. Box 25 —
707RAC Box Partition for RETRO-RING® and 2-1/8” Depth, 4” Sq. Box 25 —
706RAC Box Partition for RETRO-RING® and 1-1/2” Depth, 4” Sq. Box 25 —

LIFE SAFETY SUPPORT PRODUCTS - IMMEDIATE IDENTIFICATION

CATALOG # DESCRIPTION CUBIC IN. (CM3) STD. PKG. BAR CODE
911-16 4-11/16” Sq. x 4” Sq. Adapter, 5/8” Raised, Painted Red 8.3 (136.0) 25 —
911-17 4-11/16” Sq. x 4” Sq. Adapter, 1-1/4” Raised, Painted Red 16.0 (262.0) 12 —
855 4-11/16” Sq. x 4” Sq. Adapter, 5/8” Raised 8.3 (136.0) 25 —
859 4-11/16” Sq. x 4” Sq. Adapter, 1-1/4” Raised 16.0 (262.0) 12 —
911-8 4” Sq., Flat Blank Cover, Painted Red 50 —
911-11 4-11/16” Sq., Flat Blank Cover, Painted Red 50 —

LARGE CAPACITY BOXES FOR AUDIO, VIDEO, POWER AND DATA

CATALOG # DESCRIPTION CUBIC IN. (CM3) STD. PKG. BAR CODE
260 Raised Ground 66.7 (1093) — 10 —
260H Raised Ground, H Bracket For Side Support 66.7 (1093) — 10 —
263 Raised Ground 113.3 (1856.6) — 6 —
256 3-3/4” Square Large Capacity Steel Wall Boxes, 3-1/2” Deep – Holds with Conduit KO’s 45.0 (737.4) 25 —
255 3-3/4” Square Large Capacity Steel Wall Boxes, 3-1/2” Deep – Holds with Conduit KO’s 45.0 (737.4) 25 —

APPLICATIONS
- RACO® Large capacity boxes are used for audio, video, data and power applications providing ample space for Cat 6A and fiber optic cable bends

PRODUCT FEATURES
- Large capacity design measures
- 4-1/16” H x 4-1/16” W x 3-1/4” D
- Accepts standard 4-1/16” square device and flat covers
- Ground screws provided

COMPLIANCE
- LISTED

SEE END OF SECTION (PG A78, ) FOR DETAILED DRAWINGS
RACO BOXES, COVERS AND ACCESSORIES

APPLICATIONS
- RACO® AV Wall Boxes provide an ideal solution for in-wall applications requiring data, AV and power.
- Perfect for Category 6 and 6A fiber optic cables that require a larger bend radius.
- Designed to install independently or ganged together to support multiple devices.

PRODUCT FEATURES
- 2-gang or 3-gang
- Knockouts from 1/2” up to 2”
- 4” deep accepts any device
- Concentric 1/2”-3/4” knockouts for pre-connectorized AV cables
- Eccentric 1/2”-3/4” knockouts
- Raised ground provision in each gang
- Accepts low voltage partition
- NEMA spaced device mounting, accepts industry standard wallplates
- Adjustable stud mounting brackets built in to accommodate different stud and sheetrock thickness
- Adjustable for side support
- Suitable for masonry application

COMPLIANCE
- UL Listed

AV WALL BOXES

CAT. # DESCRIPTION CUBIC IN. (CM³) KNOCKOUTS STD. PKG. BAR CODE
855 2-gang, 2” KO 54 (884.9) (1) 3/4” - 3/4” TKO, (1) 1”-1/4”- 1-1/2”, 2” 10 IIIII
985 2-gang, 2” KO 79 (1294.5) (1) 3/4” - 3/4”, (1) 1”-1/4”, (1) 1-1/2” 10 IIIII
986 3-gang, 2” 12 (192.6) (1) 3/4” - 3/4”, (1) 1”-1/4”, (1) 1-1/2”, 2” 6 IIIII
989 Low voltage partition — — 25 IIIII

COVERS AND PARTITIONS FOR LARGE CAPACITY BOXES

CAT. # SIZE STD. PKG. BAR CODE
782 5/8”, 3/4” 25 IIIII
783 1”, 1-1/4”, 1-1/2”, 2” 25 IIIII
792 5/8”, 3/4” 10 IIIII
793 1”, 1-1/4”, 1-1/2”, 2” 10 IIIII
794 1”, 1-1/4”, 1-1/2”, 2” 5 II

STAB-IT® CONNECTOR

CAT. # SIZE STD. PKG. BAR CODE
991ST STAB-IT® Connector (accepts 2 cables) 50 —

DUGOUT TRANSITION BOX

APPLICATIONS
- RACO’s Dugout box offers the quickest and easiest way to transition from flexible armored cable to conduit before entering the circuit panel. Specifically designed for commercial applications, the Dugout box builds on the popular concept of our Grand Slam box. This no-nonsense rectangular model features plenty of space for wiring along with 21 of our built-in STAB-IT® cable clamps, which hold up to 42 MC cables! Our unique clamps are field-proven to install up to 3X faster than traditional MC connectors. Four concentric knockouts are provided for either 1/2” or 3/4” conduit out to the circuit panel. For wall or ceiling mounting, The Dugout box offers more labor savings and installation flexibility than any other transition box on the market.

PRODUCT FEATURES
- Designed for quick installation of flex, MC, NCL, MCI-A, AC and HCF cable
- STAB-IT® clamp has been tested at over 3X’s faster than traditional MC connectors
- Cover included
- Accepts cable sizes from 1/4” up to 10/3 for most cable types
- UL Listed
- Designed and assembled in the USA

COMPLIANCE
- UL Listed

CAT. # DESCRIPTION KNOCKOUTS STAB-IT® CLAMPS STD. PKG. BAR CODE
SC82006STR 6” x 20” x 6” Transition Box & Cover (4) 1/2” & 3/4” Concentric 21 (4/2 to 10/3) up to 42 Cables 1 —

www.hubbell.com/raco/en
GRAND SLAM BOX

APPLICATIONS

• RACO’s Grand Slam Box is used to terminate home runs, branch circuits and other electrical wiring. It features RACO’s patent-pending built-in STAB-IT® clamps for MC, and is designed specifically for commercial applications.

PRODUCT FEATURES

• Patented STAB-IT® clamp tested at over 35x faster than traditional MC connectors
• No protruding ground screw or fan mounting screws allows easy installation
• 80-32, 1” long ceiling fan screws provided and provision for #8-32 fixture mounting screw (294-1, 294, 296, 296-1 and 299)
• Setback tab allows for easy box installation of different wall thickness (294-1, 294)
• Metal protection plate eliminates debris or damage to wiring
• Easy to follow instructions and mounting hardware included

COMPLIANCE

• Listed Outlet Box 731A

SC080803STRC

8" x 8" Junction Box
(Surface Cvr. & Grnd. Bar Included)
(5) 1/2" & 3/4" Concentric
Up to 8 Cables

SC121204STRC

12" x 12" Junction Box
(Surface Cvr. & Grnd. Bar Included)
(9) 3/4" & 1" Concentric
Up to 8 Cables

SC080803NKSTRC

8" x 8" Junction Box
(5) 3/4" & 1" Concentric
Up to 12 Cables

SC121204NKSTRC

12" x 12" Junction Box
(9) 3/4" & 1" Concentric
Up to 12 Cables

Flush Mount Cover (sold separately)

SCF0808RC

8" x 8" 1

SCF1212RC

12" x 12" 1

GORILLA-RING® 284

4" Round Ceiling Fan Pan — Drawn with Conduit KOs
295-1 1/2" Depth 6.0 (6.6) INSIDER (2) 1/2" (3) 1/2" 70 150 10
295* 1/2" Depth 6.0 (6.6) INSIDER (2) 1/2" (3) 1/2" 70 150 10

4" Round Ceiling Box — Drawn with Conduit KOs
294-1 2-1/8" Depth, Old and New Work 22.3 (25.2) INSIDER (2) 1/2" (1) 1/2" 70 70/150** 10
294* 2-1/8" Depth, Old and New Work 22.3 (25.2) INSIDER (2) 1/2" (1) 1/2" 70 70/150** 10
296-1 1-1/2" Depth 15.6 (18.0) INSIDER (2) 1/2" (9) 1/2" 70 150 20
296* 1-1/2" Depth 15.6 (18.0) INSIDER (2) 1/2" (9) 1/2" 70 150 20
299* 2-1/4" Depth 22.4 (25.2) INSIDER (2) 1/2" (9) 1/2" 70 150 6

GORILLA-RING® — Concrete Ring for Ceiling Fan Support
284 4" Deep, Double Row Side Knockouts 49.3 (54.9) (4) 3/4" (6) 1/2" 70 150 6

* Packaged in a stackable, individual chipboard display cartons. Sold in master carton quantities only. Hubbell® RACO® does not break carton quantities on these items. 4714, 4914-20SCH® with secure concentrically sleeved cable in 1/2" KD (See pg. 873).
** New work applications rated at 150 lbs. Old work applications rated at 70 lbs.

SEE END OF SECTION (PG 479) FOR DETAILED DRAWINGS
CEILING FAN AND FIXTURE SUPPORT PRODUCTS

APPLICATIONS
- RACO® KWIK-BRACE® is a heavy-duty ceiling fan brace designed for new or existing construction where joists are accessible
- RACO® RETRO-BRACE® is intended for installations of heavy lighting fixtures or ceiling paddle fans in old work or new work applications

PRODUCT FEATURES
- KWIK-BRACE®
  - Slides apart to accommodate joist spacing from 16" to 24" screws provided
  - #10-32 ceiling fan screws provided and #8-32 ceiling fixture mounting provisions
  - Metal protection plate included
  - Nail spurs for easy brace positioning
  - Easy installation, up front ground screws
  - Easy to follow instructions and mounting hardware included
- RETRO-BRACE®
  - Adjustable for joist spacing from 16" to 24"
  - Simple "tool free" expansion
  - Easy installation, up front ground screw
  - #10-32 ceiling fan screws provided and #8-32 ceiling fixture mounting provisions
  - Easy to follow instructions and mounting hardware included

COMPLIANCE
- RETRO-BRACE®: Adjustable for joist spacing from 16" to 24"
- Easy installation, up front ground screw
- Easy to follow instructions and mounting hardware included

GRID-BRACE™ For Suspended Ceilings, 2-1/8" Deep

**CAT. #** | **DESCRIPTION** | **CUBIC INCHES (CM3)** | **KNOCKOUTS** | **RECOMMENDED MAX. LOADS** | **STD. PKG.** | **BAR CODE**
--- | --- | --- | --- | --- | --- | ---
931 | Ceiling Fan Support for Suspended Ceilings | 22.3 (354.6) | (2) 1/2" (2) Conc. 1/2" & 1/4" | 70 70 4 | | 

**CEILING PANS**

**APPLICATION**
- RACO® Ceiling Pans are used in the installation of ceiling or wall lighting fixtures

**PRODUCT FEATURES**
- Combination screw heads provide for faster installation

**COMPILANCE**
- LISTED File E195978

**CAT. #** | **DESCRIPTION** | **CUBIC INCHES (CM3)** | **KNOCKOUTS** | **RECOMMENDED MAX. LOADS** | **STD. PKG.** | **BAR CODE**
--- | --- | --- | --- | --- | --- | ---
292 | 1/2" Depth | 4.0 (65.5) | (1) 1/2" | No 50 50 | | 
8292 | 1/2" Depth | 4.0 (65.5) | (1) 1/2" | No 50 25 | | 
287 | 1/4" Depth | 5.0 (80.5) | (1) 1/2" | No 50 50 | | 
293 | 1/4" Depth | 5.0 (80.5) | (1) 1/2" | No 50 50 | | 
8293 | 1/4" Depth | 5.0 (80.5) | (1) 1/2" | No 50 30 | | 

**SEE END OF SECTION (PG A79) FOR DETAILED DRAWINGS**
### ROUND OLD WORK PANS

**APPLICATIONS**
- Shallow old work pan design is ideal for mounting fixtures in existing walls or ceilings with obstructions that limit depth.

**PRODUCT FEATURES**
- Ideal pans for remodeling, two sizes
- Only 1/2" deep
- Flange and bracket mounts to 1/2" or 5/8" drywall without stud

**COMPLIANCE**
- UL® Listed File E195978

**CAT. # | DESCRIPTION | CUBIC INCHES | KNOCKOUTS | STD. PKG. | RECOMMENDED MAX. SUPPORT LOADS (FIXTURE) | BAR CODE**
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<td>290</td>
<td>3-1/2&quot; Old Work Pan Box</td>
<td>3.8 (63.0)</td>
<td>2, 1/2&quot;</td>
<td>10</td>
<td>6 Lbs.</td>
<td></td>
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<tr>
<td>297</td>
<td>4&quot; Old Work Pan Box</td>
<td>6.0 (98.4)</td>
<td>4, 1/2&quot;</td>
<td>10</td>
<td>6 Lbs.</td>
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### 3-1/2" OCTAGON BOXES – DRAWN

**APPLICATIONS**
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

**PRODUCT FEATURES**
- Combination screw heads provide for faster installation
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features. Reference Table A7 for cable ranges

**COMPLIANCE**
- UL® File E195978

**CAT. # | DESCRIPTION | CUBIC INCHES | KNOCKOUTS | STD. PKG. | RECOMMENDED MAX. LOADS | BAR CODE**
<table>
<thead>
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<tbody>
<tr>
<td>110</td>
<td>TS Bracket, 1/2&quot;</td>
<td>11.8 (193.4)</td>
<td>4</td>
<td>1/2&quot;</td>
<td>25</td>
<td></td>
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<tr>
<td>111</td>
<td>3-1/2&quot; Octagon Extension Ring, 1-1/2&quot; Deep – Drawn with Nonmetallic Sheathed Cable Clamps</td>
<td>11.8 (193.4)</td>
<td>4</td>
<td>1/2&quot;</td>
<td>25</td>
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</table>

### CEILING BOXES AND COVERS

**APPLICATIONS**
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures

**PRODUCT FEATURES**
- Combination screw heads provide for faster installation

**COMPLIANCE**
- UL® File E195978

**CAT. # | DESCRIPTION | CUBIC INCHES | KNOCKOUTS | STD. PKG. | RECOMMENDED MAX. LOADS | BAR CODE**
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<tr>
<td>112</td>
<td>3-1/2&quot; Octagon Box, 1-1/2&quot; Deep – Drawn with Nonmetallic Sheathed Cable Clamps</td>
<td>11.8 (193.4)</td>
<td>4</td>
<td>(2) 1/2&quot;</td>
<td>(1) 1/2&quot;</td>
<td>25</td>
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</table>
### 4" OCTAGON BOXES AND EXTENSION RINGS – DRAWN WITH CONDUIT KO’S

#### APPLICATIONS
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

#### PRODUCT FEATURES
- Combination screw heads provide for faster installation
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- Fixture bar hanger allows box to be located anywhere along length of bar

#### COMPLIANCES
- File E195978
- File LR-1082 (128, 130, 131RAC)

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### CEILING BOXES AND COVERS

#### APPLICATIONS
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

#### PRODUCT FEATURES
- Combination screw heads provide for faster installation
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features

#### COMPLIANCE
- File E195978

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### 4" OCTAGON DEEP BOXES – DRAWN WITH CONDUIT KO’S

#### APPLICATIONS
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

#### PRODUCT FEATURES
- Combination screw heads provide for faster installation
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features

#### COMPLIANCE
- File E195978

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<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>SIDES CONDUIT</th>
<th>BOTTOM CONDUIT</th>
<th>CEILING FAN DYNAMIC LBS.</th>
<th>FIXTURE STATIC LBS.</th>
<th>STD PKG.</th>
<th>BAR CODE</th>
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<td>125</td>
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<td>(4) 1/2&quot;</td>
<td>(5) 1/2&quot;</td>
<td>No</td>
<td>50</td>
<td>50</td>
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<td>Recessed Ground</td>
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<td>50</td>
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<tr>
<td>127</td>
<td>Recessed Ground</td>
<td>15.5 (243.0)</td>
<td>(2) 1/2&quot;, (2) 3/4&quot;</td>
<td>(2) 1/2&quot;, (2) 3/4&quot;</td>
<td>No</td>
<td>50</td>
<td>25</td>
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<tr>
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<td>(2) 1/2&quot;, (2) 3/4&quot;</td>
<td>No</td>
<td>50</td>
<td>25</td>
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<td>J Bracket, 3/8&quot; or 1/2&quot; Setback</td>
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<td>(5) 1/2&quot;</td>
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<td>50</td>
<td>50</td>
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<td>50</td>
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<td>(5) 1/2&quot;</td>
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<td>50</td>
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<tr>
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<td>(3) 1/2&quot;</td>
<td>No</td>
<td>10*</td>
<td>25</td>
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* 10 lbs max. load recommended. UL Rated for 50 lbs on 16" centers.

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<th>DESCRIPTION</th>
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<th>SIDES CONDUIT</th>
<th>BOTTOM CONDUIT</th>
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<th>FIXTURE STATIC LBS.</th>
<th>STD PKG.</th>
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<tbody>
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<td>165</td>
<td>4&quot; Octagon Box, 2-1/8&quot; Deep – Drawn with Conduit KO’s</td>
<td>21.5 (340.8)</td>
<td>(4) 1/2&quot;</td>
<td>(5) 1/2&quot;</td>
<td>No</td>
<td>50</td>
<td>50</td>
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<td>166</td>
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<td>21.5 (340.8)</td>
<td>(4) 3/4&quot;</td>
<td>(3) 1/2&quot;, (2) 3/4&quot;</td>
<td>No</td>
<td>50</td>
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<td>167</td>
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<td>No</td>
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<td>167TS</td>
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<td>21.5 (340.8)</td>
<td>(1) 1/2&quot;, (2) 3/4&quot;</td>
<td>(3) 1/2&quot;, (2) 3/4&quot;</td>
<td>No</td>
<td>50</td>
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<th>FIXTURE STATIC LBS.</th>
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<td>128</td>
<td>4&quot; Octagon Extension Rings, 1-1/2&quot; Deep – Drawn with Conduit KO’s</td>
<td>15.5 (243.0)</td>
<td>(4) 1/2&quot;</td>
<td>—</td>
<td>No</td>
<td>50</td>
<td>25</td>
<td></td>
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<tr>
<td>130</td>
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<td>15.5 (243.0)</td>
<td>(2) 1/2&quot;, (2) 3/4&quot;</td>
<td>—</td>
<td>No</td>
<td>50</td>
<td>25</td>
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<td>—</td>
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<td>50</td>
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* 10 lbs max. load recommended. UL Rated for 50 lbs on 16" centers.

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> SEE END OF SECTION (PG A80) FOR DETAILED DRAWINGS.
### 4" OCTAGON BOXES – DRAWN WITH ARMORED CABLE / METAL CLAD / FLEX CLAMPS

**APPLICATIONS**
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures

**PRODUCT FEATURES**
- RACO® offers a variety of labor saving mounting brackets that allow for easy positioning of box along studs or joists
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- Fixture bar hanger allows box to be located anywhere along length of bar

**COMPLIANCE**
- UL Listed

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>KNOCKOUTS</th>
<th>RECOMMENDED MAX. LOADS</th>
<th>STD PKG</th>
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<tr>
<td>153</td>
<td>4&quot; Octagon Box, 1-1/2&quot; Deep</td>
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<td>4 (1) 1/2&quot; (2) 3/4&quot; No 50 25</td>
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<tr>
<td>155</td>
<td>TS Bracket, 1/2&quot; Setback</td>
<td>15.5 (254.0)</td>
<td>4 (1) 1/2&quot; (2) 3/4&quot; No 50 50</td>
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<tr>
<td>157</td>
<td>J Bracket, 3/8&quot; or 1/2&quot; Setback</td>
<td>15.5 (254.0)</td>
<td>4 (1) 1/2&quot; (2) 3/4&quot; No 50 50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>Box with 14-1/4&quot; to 22-1/2&quot; bar hanger</td>
<td>15.5 (254.0)</td>
<td>4 (1) 3/4&quot; — No 10* 25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>326</td>
<td>Box with 14-1/4&quot; to 22-1/2&quot; bar hanger</td>
<td>15.5 (254.0)</td>
<td>4 (1) 3/4&quot; — No 10* 25</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 10 lbs max. load recommended. 15 lb rated for 16" on 16" centers.

### 4" OCTAGON BOXES – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS

**APPLICATIONS**
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures

**PRODUCT FEATURES**
- RACO® offers a variety of labor saving mounting brackets that allow for easy positioning of box along studs or joists
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- Fixture bar hanger allows box to be located anywhere along length of bar
- Combination screw heads provide for faster installation

**COMPLIANCE**
- UL Listed

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>KNOCKOUTS</th>
<th>RECOMMENDED MAX. LOADS</th>
<th>STD PKG</th>
<th>BOLD CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>146</td>
<td>4&quot; Octagon Box, 1-1/2&quot; Deep</td>
<td>15.5 (254.0)</td>
<td>4 (2) 1/2&quot; (1) 1/2&quot; No 50 25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>Side holes, 1/8&quot; and 1/4&quot;</td>
<td>15.5 (254.0)</td>
<td>4 (2) 1/2&quot; (1) 1/2&quot; No 50 50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>Plaster Ears</td>
<td>15.5 (254.0)</td>
<td>4 (2) 1/2&quot; (1) 1/2&quot; No 50 25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>J Bracket, 3/8&quot; or 1/2&quot; Setback</td>
<td>15.5 (254.0)</td>
<td>4 (2) 1/2&quot; (1) 1/2&quot; No 50 25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>164</td>
<td>TS Bracket, 1/2&quot; Setback</td>
<td>15.5 (254.0)</td>
<td>4 (1) 1/2&quot; (1) 1/2&quot; No 50 25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>326</td>
<td>Box with 14-1/4&quot; to 22-1/2&quot; bar hanger</td>
<td>15.5 (254.0)</td>
<td>4 (2) 1/2&quot; — No 10* 25</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>326</td>
<td>Box with 14-1/4&quot; to 22-1/2&quot; bar hanger</td>
<td>15.5 (254.0)</td>
<td>4 (2) 1/2&quot; — No 10* 25</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 10 lbs max. load recommended. 15 lb rated for 16" on 16" centers.
ROUND COVERS FOR 3-1/2" AND 4" OCTAGON BOXES

APPLICATION
- Covers are used to close an outlet box
- Raised covers are used for mounting lighting fixtures

PRODUCT FEATURES
- Combination screw heads provide for faster installation
- Swivel cover restricted to 20° swing from vertical
- KWIK-HANG® allows easy installation of high bay lighting fixtures. Fixture rests in position while wiring is completed

COMPLIANCES
- File E195978
- File LR-1082 (722, 729, 731)

CATALOG # | DESCRIPTION | CUBIC INCHES (CM³) | RECOMMENDED MAX. LOADS (DYNAMICS/LBS. STATIC/LBS.) | STD. PKG. | BAR CODE
---|---|---|---|---|---
3-1/2" Round Cover
703 | Flat, 1/2" KO In Center | | No | 50 | 25 | 111111
8703-5* | Flat, 1/2" KO In Center | | No | 50 | 25 | 111111
3-1/2" or 4" Swivel Fixture, Support Covers
894KH | Kwik-Hang®, For 4" Octagon Boxes, 1/2" or 3/4" Conduit | | No | 50 | 25 | 111111
4" Round Raised Cover
737 & 727 | Raised 1/2", Open, Ears 2-3/4" O.C. 3.3 (54.1) 3.8 (62.2) | No | 50 | 25 | 111111
729 | Raised 1", Open, Ears 2-3/4" O.C. 6.5 (106.5) | No | 50 | 25 | —

*5 Bundles of 10 – sold in carton quantities only

OCTAGON AND ROUND COVERS

APPLICATION
- Covers are used to close an outlet box
- Switches or receptacles may be installed into octagon boxes by using covers 729 or 731

PRODUCT FEATURES
- 5" round covers feature state-of-the-art powder coat paint finish which provides a light texture finish and scratch resistance

COMPLIANCES
- File E195578
- File LR-1082 (722, 729, 731)

CATALOG # | DESCRIPTION | PKG. TYPE | STD. PKG. | BAR CODE
---|---|---|---|---
4" Octagon and Round Covers
722 | Flat, blank | — | 50 | 111111
8722-5* | Flat, blank | — | 50 | 111111
724 | Flat, 1/2" KO | — | 25 | 111111
8724-5* | Flat, 1/2" KO | — | 50 | 111111
725 | Flat, 3/4" KO | — | 25 | 111111
729 | Flat, toggle switch | — | 50 | 111111
731 | Flat, duplex receptacle | — | 25 | 111111
8731-5* | Flat, duplex receptacle | — | 50 | 111111
5" Round Steel Closure Plates
5652-1 | Off-white, screw and universal recess strap | Shrink | 10 | —
5653-1 | Off-white, (2) #8-32 screws, direct mount to fixture outlet box | Shrink | 10 | —
5654-1 | Off-white, fixture stud and universal recess strap | Shrink | 10 | —

*5 Bundles of 20 – sold in carton quantities only
### APPLICATIONS
- **RACO®** Handy boxes, also called utility boxes, are used for convenience outlets, switch boxes or small junction boxes.
- They are popular for exposed work applications (surface mounted wiring).
- The NEC requires that surface-mounted wiring be enclosed with a protective covering such as EMT conduit.

### PRODUCT FEATURES
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.

### COMPLIANCES
- **File E195978**
- **File LR-1082 (611 and 650CSA only)**
- **665 only**

### SINGLE DEVICE HANDY BOXES AND EXTENSION RINGS

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KNOCKOUTS</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>650</td>
<td>—</td>
<td>11.5 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>50 —</td>
</tr>
<tr>
<td>8650</td>
<td>With Ground Screw Driven</td>
<td>11.5 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
</tr>
<tr>
<td>655</td>
<td>B Bracket, 1/4&quot; Setback</td>
<td>11.5 x 13.8</td>
<td>(3) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>50 —</td>
</tr>
<tr>
<td>652</td>
<td>—</td>
<td>11.5 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
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### 4" x 2" Handy Box Extensions

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KNOCKOUTS</th>
<th>STEM END</th>
<th>BOTTOM END</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>660</td>
<td>Raised Ground</td>
<td>13.0 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>50 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>661</td>
<td>Raised Ground, With Ground Screw Drive</td>
<td>13.0 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>50 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>661SP</td>
<td>Raised Ground, A Bracket, 1/4&quot; Setback</td>
<td>13.0 x 13.8</td>
<td>(3) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>662</td>
<td>Raised Ground, TS Bracket, 1/4&quot; Setback</td>
<td>13.0 x 13.8</td>
<td>(3) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>662SP</td>
<td>Raised Ground, TS Bracket, 1/4&quot; Setback</td>
<td>13.0 x 13.8</td>
<td>(3) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>663</td>
<td>Raised Ground</td>
<td>13.0 x 13.8</td>
<td>(4) 3/4&quot;</td>
<td>(3) 3/4&quot; (1) 3/4&quot;</td>
<td>50 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8663</td>
<td>Raised Ground, 1-3/8&quot; Depth (Inside)</td>
<td>13.0 x 13.8</td>
<td>(4) 3/4&quot;</td>
<td>(3) 3/4&quot; (1) 3/4&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
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<tr>
<td>8666</td>
<td>Raised Ground</td>
<td>13.0 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>665</td>
<td>—</td>
<td>13.0 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>20 —</td>
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### SINGLE DEVICE HANDY BOXES AND COVERS

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KNOCKOUTS</th>
<th>STEM END</th>
<th>BOTTOM END</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
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</thead>
<tbody>
<tr>
<td>670RAC</td>
<td>—</td>
<td>16.5 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>50 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8670</td>
<td>—</td>
<td>16.5 x 13.8</td>
<td>(6) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>674</td>
<td>—</td>
<td>16.5 x 13.8</td>
<td>(4) 3/4&quot;</td>
<td>(3) 3/4&quot; (1) 3/4&quot;</td>
<td>50 —</td>
<td></td>
<td></td>
</tr>
<tr>
<td>678</td>
<td>—</td>
<td>16.5 x 13.8</td>
<td>(3) 1/2&quot;</td>
<td>(2) 1/2&quot; (1) 1/2&quot;</td>
<td>25 —</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2-3/4" x 1-13/16" Industrial Handy Box and Cover

- **700** — 1-1/2" Depth
- **704** — Duplex Receptacle
- **706** — Single Receptacle, 1.406" Dia.
- **707** — 30A Receptacle, 1.564" Dia.

### HANDY BOXES

- **File E195978**
- **File LR-1082 (Covers only)**
- **All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor- ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls. For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6.**

### SEE END OF SECTION (PG A81) FOR DETAILED DRAWINGS
### Handymans Switch Boxes and Covers

**Applications**
- Installers can save time and cut installation costs with two gang switch boxes.
- Larger capacity boxes are ideal for todays designs where there is a need to install two devices at one location.
- Drawn boxes are ideal for exposed work applications (surface mounted wiring).

**Product Features**
- 681, 685 bracketed boxes are set back 1/2" eliminating the need for a plaster ring.
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features.
- Drawn boxes are ideal for exposed work applications (surface mounted wiring).

**Compliance**
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls.

#### 4" Square Two Device Switch Boxes, 2-1/8" Deep

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>KNOCKOUTS</th>
<th>STD PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>680</td>
<td>2 Duplex Receptacles, 1/4&quot; Raised from Surface</td>
<td>30.3 (496.5)</td>
<td>30.3 (496.5)</td>
<td>25</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>681</td>
<td>2 Duplex Receptacles, 1/4&quot; Raised from Surface</td>
<td>30.3 (496.5)</td>
<td>30.3 (496.5)</td>
<td>25</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>685SP</td>
<td>2 Duplex Receptacles, 1/4&quot; Raised from Surface</td>
<td>30.3 (496.5)</td>
<td>30.3 (496.5)</td>
<td>25</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>685</td>
<td>2 Duplex Receptacles, 1/4&quot; Raised from Surface</td>
<td>30.3 (496.5)</td>
<td>30.3 (496.5)</td>
<td>25</td>
<td>IIIIIII</td>
</tr>
</tbody>
</table>

**Resistance Ratings**
ANSI/UL 263, Sec. III-6

For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6

---

**See end of section (Pg. A81) for detailed drawings.**
3" x 2" SWITCH BOXES – WITH CONDUIT KO'S

CAT. #  DESCRIPTION                CUBIC INCHES (CM³)  KNOCKOUTS  STD PKG  BAR CODE

2-3/4" Deep Switch Box – Nongangable with Conduit KO's

560  Plaster Ears  14.0 (229.4)  (4) 1/2"  —  (2) 1/2"  (2) 1/2"  25  %
565  Plaster Ears  14.0 (229.4)  (4) 1/4"  —  (2) 4"  (2) 1/2"  50  —
561  No Plaster Ears  14.0 (229.4)  (4) 1/2"  —  (2) 1/2"  (2) 1/2"  50  —
562  TS Bracket, 1/2" Setback  14.0 (229.4)  (2) 1/2"  —  (2) 1/2"  (2) 1/2"  50  —

3-1/2" Deep Switch Box – Gangable with Conduit KO's

590  Plaster Ears  18.0 (295.0)  (4) 1/2"  —  (4) 1"  (1) 1/2"  50  —
8590  Plaster Ears  18.0 (295.0)  (4) 1/2"  —  (4) 1"  (1) 1/2"  25  %
591  Plaster Ears  18.0 (295.0)  (4) 1/4"  —  (4) 1/2"  (1) 1/2"  50  —
592  No Plaster Ears  18.0 (295.0)  (4) 1/2"  —  (4) 1/2"  (1) 1/2"  50  —

3" x 2" SWITCH BOXES – WITH ARMORED CABLE / METAL CLAD / FLEX CLAMPS

CAT. #  DESCRIPTION                CUBIC INCHES (CM³)  KNOCKOUTS  STD PKG  BAR CODE

2" Deep Switch Box – Gangable with Armored Cable/Metal Clad/Flex Clamps

440  Plaster Ears  10.0 (163.9)  —  4  —  (1) 1/2"  50  —
524  TS Bracket, 1/2" Setback  12.5 (204.8)  (2) 1/2"  —  (1) 1/2"  50  —
8524  TS Bracket, 1/2" Setback  12.5 (204.8)  (2) 1/2"  —  (1) 1/2"  50  —
522  LB Bracket, 5/8" Setback  12.5 (204.8)  (2) 1/2"  —  (1) 1/2"  25  %
523  Plaster Ears, Old Work, GRIPTITE®  12.5 (204.8)  —  4  —  (1) 1/2"  25  %

2-1/2" Deep Switch Box – Nongangable with Armored Cable/Metal Clad/Flex Clamps

526  Plaster Ears, Old Work, 3/4" Sheet Rock Max.  12.5 (204.8)  —  4  —  (1) 1/2"  50  —

2-3/4" Deep Switch Box – Gangable with Armored Cable/Metal Clad/Flex Clamps

570RAC  2-3/4" Depth, Plaster Ears  14.0 (229.4)  (4) 1/2"  —  (2) 1/2"  (1) 1/2"  50  —
574  2-3/4" Depth, TS Bracket, 1/2" Setback  14.0 (229.4)  (2) 1/2"  —  (1) 1/2"  25  %

3-1/2" Deep Switch Box – Gangable with Armored Cable/Metal Clad/Flex Clamps

600  Plaster Ears  18.0 (295.0)  (4) 1/2"  —  (2) 1/2"  (1) 1/2"  25  %
604  TS Bracket, 1/2" Setback  18.0 (295.0)  (4) 1/2"  —  (2) 1/2"  (1) 1/2"  25  %
### 3" x 2" SWITCH BOXES – WITH ARMORED CABLE / METAL CLAD / FLEX CLAMPS

**APPLICATION**
- For any job where flexible armored cable is being used.

**PRODUCT FEATURES**
- Designed for quick installation of flex, MC, MCI, MCl-A, AC, and HCF Cable
- Accepts cable sizes from 1/2 up to 10/3 for most cable types
- Available in 4" sq, 2-1/8" deep boxes with 1 or 2 STAB-IT connectors
- Each STAB-IT connector accommodates two cables
- Pre-installed 8" solid #12 pigtail for faster installation

**COMPLIANCE**
- **R** File E195978
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls.

### SWING BOXES

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>KNOCKOUTS</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
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<tbody>
<tr>
<td>5185</td>
<td>(1) STAB-IT Connector, Pigtails</td>
<td>12.5 (204.8)</td>
<td>— — — —</td>
<td>(1) 1/2&quot; 25</td>
<td>▬▬▬▬▬▬</td>
</tr>
<tr>
<td>5235</td>
<td>(1) STAB-IT Connector, Old Work Clips, Pigtails</td>
<td>12.5 (204.8)</td>
<td>— — — —</td>
<td>(1) 1/2&quot; 25</td>
<td>▬▬▬▬▬▬</td>
</tr>
<tr>
<td>5245</td>
<td>(1) STAB-IT Connector, T &amp; S Bracket, Pigtails</td>
<td>12.5 (204.8)</td>
<td>— — — —</td>
<td>(1) 1/2&quot; 50</td>
<td>▬▬▬▬▬▬</td>
</tr>
</tbody>
</table>

**3-1/2" Deep Switch Box STAB-IT Connector**
- 6185 (1) STAB-IT Connector, Pigtails
- 6235 (1) STAB-IT Connector, Old Work Clips, Pigtails
- 6245 (1) STAB-IT Connector, T & S Bracket, Pigtails

**APPLICATIONS**
- **R** Switch boxes are used to house wiring devices such as switches or outlets

**PRODUCT FEATURES**
- Bowed corner boxes are designed to prevent the clamp screws from protruding into back wall
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- Gangable switch boxes offer the option of constructing a box to hold two or more devices
- Plastic ears allow box to be used in “old work” applications

**COMPLIANCE**
- **R** File E195978
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls.

### 3" X 2" SWITCH BOXES – WITH NONMETALLIC SHEATHED CABLE CLAMPS

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>KNOCKOUTS</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
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<tbody>
<tr>
<td>410</td>
<td>Plastic Ears</td>
<td>7.5 (122.9)</td>
<td>— — — —</td>
<td>4 — — — 25</td>
<td>▬▬▬▬▬▬</td>
</tr>
<tr>
<td>445</td>
<td>Plastic Ears</td>
<td>10.0 (163.9)</td>
<td>— — — —</td>
<td>4 — — — 50</td>
<td>▬▬▬▬▬▬</td>
</tr>
<tr>
<td>471</td>
<td>One Screw, Plastic Ears</td>
<td>10.5 (172.1)</td>
<td>— — — —</td>
<td>4 — — — 25</td>
<td>▬▬▬▬▬▬</td>
</tr>
<tr>
<td>473</td>
<td>Level Bumps</td>
<td>10.5 (172.1)</td>
<td>— — — —</td>
<td>4 — (2) 1/2&quot; — — — 20</td>
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<tr>
<td>487</td>
<td>Old Work, TIGERGRIP®</td>
<td>10.5 (172.1)</td>
<td>— — — —</td>
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<tr>
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<td>Plastic Ears</td>
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<td>428</td>
<td>Level Bumps</td>
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<td>LB Bracket, 5/8&quot; Setback</td>
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<td>1017</td>
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<tr>
<td>1018</td>
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</table>
3" X 2" SWITCH BOXES – WITH NONMETALLIC SHEATHED CABLE CLAMPS

APPLICATIONS
- RACO® Switch boxes are used to house wiring devices such as switches or outlets

PRODUCT FEATURES
- RACO® 355 and 8355 are extra wide for ease of GFCI installation
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- Gangable switch boxes offer the option of constructing a box to hold two or more devices
- Plaster ears allow box to be used in “old work” applications

COMPLIANCES
- File E195978
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls.

For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES CM³</th>
<th>SIDES CONDUIT</th>
<th>ENDS CONDUIT</th>
<th>ENDS CABLE</th>
<th>BOTTOM CONDUIT</th>
<th>STD PKG</th>
<th>BAR CODE</th>
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<tr>
<td>567</td>
<td>Plaster Ears</td>
<td>14.0 (229.4)</td>
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<td>(1) 1/2&quot;</td>
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<td></td>
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<tr>
<td>564</td>
<td>TS Bracket, 1/2&quot; Setback</td>
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<td>(1) 1/2&quot;</td>
<td>25 IIIIIII</td>
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</table>

SHALLOW SWITCH BOXES – WITH NONMETALLIC SHEATHED CABLE CLAMPS

APPLICATIONS
- RACO® Shallow switch boxes are made for use with furring strips and 1/4" paneling
- Switch boxes are used to house wiring devices such as switches or outlets

PRODUCT FEATURES
- RACO® “D” bracket is pre-scored and can be broken off if needed
- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- 418 will accept 4" square mudring or flat cover

COMPLIANCE
- File E195978 (Cat.# 404, 404SP and #405 not UL listed)
- All RACO UL listed steel boxes are acceptable for use in 2 hr. fire rated floor-ceiling and roof-ceiling assemblies, as well as 2 hr. fire rated bearing and non-bearing wood stud and steel stud walls.

For additional information consult Fire Resistance Ratings ANSI/UL 263, Sec. III-6

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES CM³</th>
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<th>ENDS CONDUIT</th>
<th>ENDS CABLE</th>
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<th>STD PKG</th>
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<tr>
<td>404</td>
<td>Q Clamp, 1/4&quot; Setback</td>
<td>6.5 (106.5)</td>
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<td>2</td>
<td>(1) 1/2&quot;</td>
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<td>404SP</td>
<td>Q Clamp, 1/4&quot; Setback</td>
<td>6.5 (106.5)</td>
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<td>2</td>
<td>(1) 1/2&quot;</td>
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<td>405</td>
<td>Q Clamp, 1/4&quot; Setback</td>
<td>6.5 (106.5)</td>
<td>—</td>
<td>4</td>
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<tr>
<td>418</td>
<td>Q Clamp, 1/4&quot; Setback</td>
<td>14.8 (242.5)</td>
<td>—</td>
<td>4</td>
<td>(2) 1/2&quot;</td>
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MULTIDEVICE LARGE CAPACITY SWITCH BOXES & PARTITIONS

APPLICATIONS
- Installers can save time and cut installation costs with multigang switch boxes
- Larger capacity boxes are ideal for today's designs where there is a need to install two devices at one location

PRODUCT FEATURES
- Reference the box selection section in the front of this catalog for complete description of bracket and clamp types and features

COMPLIANCE
- File E195978

Steel Boxes, Covers and Accessories

APPLICATIONS
• RACO® Gang boxes are used where a number of wiring devices are to be centrally located

PRODUCT FEATURES
• Gang boxes save time in installation, no need to gang boxes together
• Have 1/2” and 3/4” concentric KO’s for use with a wide variety of wiring methods
• Bottom KO pattern, 3-1/2” and 2-3/4” at either end of box
• Accept two styles of covers, flat and 3/4” raised device cover
• Use low voltage partitions #947 or #949

COMPLIANCE
- Listed 731A

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES (CM³)</th>
<th>KNOCKOUTS</th>
<th>STD. Pkg.</th>
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<tbody>
<tr>
<td>686</td>
<td>3-Gang, 1-1/2” setback</td>
<td>47.0 (770.1)</td>
<td>8 Conc. 1/2” &amp; 3/4”</td>
<td>5 —</td>
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<tr>
<td>687</td>
<td>4-Gang, 1-1/2” setback</td>
<td>63.5 (1008.9)</td>
<td>10 Conc. 1/2” &amp; 3/4”</td>
<td>5 IIIIIIII</td>
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Low-Voltage Partition
971 For 686 and 687 boxes

<table>
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<tr>
<th>CAT. #</th>
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<tr>
<td>951</td>
<td>2-Gang, 1-5/8” Deep — Welded with Conduit KOs</td>
<td>47.0 (770.1)</td>
<td>6 Conc. 1/2” &amp; 3/4”</td>
<td>5 —</td>
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<tr>
<td>952</td>
<td>3-Gang, 1-5/8” Deep — Welded with Conduit KOs</td>
<td>60.0 (966.7)</td>
<td>10 Conc. 1/2” &amp; 3/4”</td>
<td>5 IIIIIIII</td>
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<tr>
<td>953</td>
<td>4-Gang, 1-5/8” Deep — Welded with Conduit KOs</td>
<td>72.8 (1201.7)</td>
<td>12 Conc. 1/2” &amp; 3/4”</td>
<td>5 IIIIIIII</td>
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<tr>
<td>954</td>
<td>5-Gang, 1-5/8” Deep — Welded with Conduit KOs</td>
<td>85.8 (1392.5)</td>
<td>14 Conc. 1/2” &amp; 3/4”</td>
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<tr>
<td>955</td>
<td>6-Gang, 1-5/8” Deep — Welded with Conduit KOs</td>
<td>98.5 (1614.1)</td>
<td>16 Conc. 1/2” &amp; 3/4”</td>
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<tr>
<th>CAT. #</th>
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<tr>
<td>941</td>
<td>2-Gang, 2-1/2” Deep — Welded with Conduit KOs</td>
<td>70.0 (1087.6)</td>
<td>6 Conc. 3/4” &amp; 1”</td>
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<td>942</td>
<td>3-Gang, 2-1/2” Deep — Welded with Conduit KOs</td>
<td>90.0 (1387.6)</td>
<td>8 Conc. 3/4” &amp; 1”</td>
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<td>943</td>
<td>4-Gang, 2-1/2” Deep — Welded with Conduit KOs</td>
<td>110.0 (1753.2)</td>
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<td>944</td>
<td>5-Gang, 2-1/2” Deep — Welded with Conduit KOs</td>
<td>130.0 (2076.7)</td>
<td>12 Conc. 3/4” &amp; 1”</td>
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<td>945</td>
<td>6-Gang, 2-1/2” Deep — Welded with Conduit KOs</td>
<td>150.0 (2314.9)</td>
<td>14 Conc. 3/4” &amp; 1”</td>
<td>1 IIIIIIII</td>
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</table>
COVERS AND PARTITIONS

APPLICATIONS
- RACO® Gang box covers permit the mounting of devices
- Low voltage partitions may be added to boxes to divide power from voice/data
- RACO® 834 and 836 covers are ideal for nurse call stations

PRODUCT FEATURES
- RACO® Device covers also fit next smaller box, i.e. three gang cover fits two or three gang box
- Partition divides boxes into compartments

COMPLIANCE
- UL Listed 733A (Cat. #974 and #949 not UL Listed)

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
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<tr>
<td>821</td>
<td>2-Gang, 7-3/16” Width</td>
<td>951 or 941</td>
<td>10.8 (178.3)</td>
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<td>822</td>
<td>3-Gang, 8-7/8” Width</td>
<td>952 or 942</td>
<td>15.3 (249.1)</td>
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<td>823</td>
<td>4-Gang, 10-11/16” Width</td>
<td>953 or 943</td>
<td>20.3 (322.8)</td>
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<td>824</td>
<td>5-Gang, 12-1/2” Width</td>
<td>954 or 944</td>
<td>25.5 (407.8)</td>
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<td>825</td>
<td>6-Gang, 14-5/16” Width</td>
<td>955 or 945</td>
<td>30.6 (489.9)</td>
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Device Covers for Gang Boxes - Raised 3/4”

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<td>3-Gang, 8-7/8” Width, 2” Raised</td>
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<td>40.8 (661.5)</td>
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<td>836</td>
<td>3-Gang, 8-7/8” Width, 1-1/2” Raised</td>
<td>952 or 942</td>
<td>30.6 (499.9)</td>
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Low Voltage Partitions for Gang Boxes

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<td>For 1-5/8” Deep</td>
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<tr>
<td>949</td>
<td>For 2-1/2” Deep</td>
<td>— —</td>
<td>25 —</td>
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</table>

APPLICATIONS
- Covers are used to close a multi gang box
MASONRY BOXES

CONCRETE RINGS, CEILING BOX AND COVER PLATES

APPLICATIONS
- RACO® Concrete rings are used with poured deck (floor) in high-rise construction.
- These boxes are installed on wooden or steel concrete forms. After the forms are removed, the box is flush with the concrete.
- RACO® Ceiling Fan Concrete Ring 284 is listed for support of ceiling fans with all RACO® models that interfere with the threads during construction.

PRODUCT FEATURES
- Flat sides provide excellent contact for knockouts.
- External ears are used to nail the ring to the wood form.
- Top cover is removable for before-pour work.
- Lat sides provide excellent contact for devices.
- These boxes are installed on wooden or steel concrete forms.
- External ears are used to nail the ring to the wood form.
- Cover plate must be ordered separately with all RACO® concrete rings.

COMPLIANCE
- File E195978

MASONRY BOXES AND PARTITIONS

APPLICATIONS
- RACO® Masonry boxes are designed to accommodate the mounting of switches or other devices in masonry walls.
- Gangable masonry boxes offer the option of constructing a box to hold two or more devices.
- 2-1/2" deep boxes are used in 4" block walls.
- 3-1/2" deep boxes are used in 6" or other devices in masonry walls.

PRODUCT FEATURES
- Rugged welded design does not fall apart during construction.
- Available from one to six gang configurations in both 2-1/2" and 3-1/2" depths.
- Rectangular shape fits square cuts in block.
- Large volume design allows for additional work room inside the box.
- Standard 2-1/2" and 3-1/2" concentric knockouts.
- Device ears inside the box prevent mortar from getting in the device holes during construction.
- Steel low voltage partition #971 fits all 2-1/2" or 3-1/2" depths.
- Standard wall plates can be used.

COMPLIANCE
- File E195978 (Cat. #971 not UL Listed)
MASONRY BOXES

GANGABLE MASONRY BOXES AND PARTITIONS

APPLICATIONS
- RACO® Masonry boxes are designed to accommodate the mounting of switches or other devices in masonry walls
- Gangable masonry boxes offer the option of constructing a box to hold two or more devices
- 2-1/2” deep boxes are used in 4” block walls, 3-1/2” deep boxes are used in 6” or 8” block walls

GANGABLE PRODUCT FEATURES
- Rugged welded design does not fall apart during construction
- Gangable design allows installer to build unlimited number of gangs to hold multiple devices
- Rectangular shape fits square cuts in block
- Steel low voltage partitions:
  #675 fits 2-1/2” box
  #676 fits 3-1/2” deep box
- Forward mounted grounding provision allows for easy installation of grounding pigtail
- Standard wall plates can be used

COMPLIANCE
- File E195978 (Cat. #675 and #676 not UL Listed)

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
<th>CUBIC INCHES</th>
<th>KNOCKOUTS</th>
<th>SIDE CONDUIT</th>
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<th>BOTTOM CONDUIT</th>
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<tr>
<td>688</td>
<td>1-gang, 1-15/16” wide Masonry Boxes, 2-1/2” Deep — Gangable with conduit KO’s.</td>
<td>15.5 (253.9)</td>
<td>4 TKO®</td>
<td>2 TKO®</td>
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<tr>
<td>689</td>
<td>1-gang, 1-15/16” wide Masonry Boxes, 3-1/2” Deep — Gangable with conduit KO’s.</td>
<td>22.5 (368.7)</td>
<td>4 TKO®</td>
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MASONRY BOXES

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<th>BOTTOM CONDUIT</th>
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<td>675</td>
<td>For gangable, 2-1/2” deep boxes</td>
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<tr>
<td>676</td>
<td>For gangable, 3-1/2” deep boxes</td>
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</tbody>
</table>

BLOCK-LOC™ MASONRY BOXES

BLOCK-LOC™ APPLICATIONS
- For power and data outlets in masonry block walls

BLOCK-LOC™ FEATURES
- Integral brackets securely hold power and data outlets to concrete block from front and back in masonry block walls
- Quick and accurate positioning
- Break off front tabs

COMPLIANCE
- File E195978
### BRACES AND BRACKETS - BETWEEN STUDS

**APPLICATIONS**
- **9004R - 9006R, 9013R - 9015R**
- RACO® Braces and extenders are used for metal or wood stud box positioning

**PRODUCT FEATURES**
- Available for 1-1/2" or 2-1/8" deep boxes
- Locator dimples on face of bar allows for exact positioning of single or multiple boxes
- Simple feature provides quick start of screws, and reinforcement to prevent box mounting screws from stripping out when box is mounted
- Design of adjustable brace allows ground screw to clear when box is mounted
- Boxes attach easily with self-tapping screws

**APPLICATIONS**
- **9001, 9002**
- Positions electrical boxes, plaster rings and low voltage devices between studs

**PRODUCT FEATURES**
- Fold-back stabilizer leg prevents bracket from being pushed back in wall cavity during drywall installation
- Designed for 2-1/2" or 3-1/2" studs.
- Mounts 4" or 4-11/16" sq. boxes.
- Box can be mounted on ring without raised cover to save time by providing maximum work area inside box.
- When mounted, raised cover is brought to within 1/16" of drywall everytime and will not bulge or break out drywall

**COMPLIANCES**
- **LISTED**

### Box Support Brackets

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
<th>STD PKG</th>
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<tbody>
<tr>
<td>9016R</td>
<td>Bracket for 16&quot; stud spacing</td>
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</tr>
<tr>
<td>9024R</td>
<td>Bracket for 24&quot; stud spacing</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICATION**
- PERFECT FOR COMMERCIAL CONSTRUCTION. Can be adjusted for use on stud spacing anywhere from 16-24". Accommodates 4" or 4-11/16" square boxes and plaster rings. Provides maximum flexibility for installers while reducing required SKU's on the jobsite

**FEATURES**
- Accepts 4" and 4-11/16" square boxes
- Large opening allows multiple boxes to mount anywhere in the space
- Rigid design eliminates need for far-side support
- Adjusts from 16" to 24"
- Can be cut for use in smaller spacing
- Centering marks for quick installation
- Use on wood or metal studs
- Galvanized steel construction

**COMPLIANCE**
- **LISTED**

### OPEN CENTER BRACKETS

**APPLICATION**
- Easily position and adjust electrical boxes and plaster rings between studs

**FEATURES**
- Accepts both 4" and 4-11/16" square boxes and plaster rings
- Opening gives installer flexibility of box position between studs
- Features built-in first means of support for securing and supporting flex and armored cable
- Built-in rooler to aid in alignment of electrical box

**COMPLIANCE**
- **LISTED**
BRACKETS AND BOX SUPPORTS - ON STUDS

9018 APPLICATIONS
- Supports electrical box when mounted to a stud

PRODUCT FEATURES
- Dual-point mounting, right or left of stud
- Perfect for prefab applications
- Mounts 4" or 4-1/16" sq. box to 2-1/2", 3-1/2" or 6" studs

COMPLIANCES
- LISTED

SBRNRRAC APPLICATIONS
- Bracket supports electrical box when mounted to a stud

PRODUCT FEATURES
- Patented, built-in cable support accepts up to 2 MC cables (12-2MC to 10-4 MC)
- Mounts 4" sq. box left or right of stud
- Patented flip-out support accommodates wood and metal stud depths: 2-1/2", 3-1/2", 3-5/8", 5-1/2" and 6" stud

COMPLIANCE
- LISTED

980 BOX-LOC® & 978 (sold separately) APPLICATIONS
- Allows any 4" or 4-1/16" square metal box to be affixed to a metal stud quickly and easily.
- 978 Far Side Support prevents box from being pushed back in wall cavity

PRODUCT FEATURES
- 980 Patented spring-steel design installs in seconds without tools
- 978 simply snaps into hole in back of box and is easily cut to fit wall cavity

SP2RAC APPLICATIONS
- Spanner bar SP2RAC works for 24" spans, works with both SBRNRRAC and S1CRAC bracket systems to provide support between two metal or wood studs
- Bars can be used in many mechanical support applications

PRODUCT FEATURES
- "H" high profile, 1/8" mounting holes, 1" O.C.
- Heavy 20 gauge .038" gauge pre-galvanized steel construction for secure and rigid support of boxes in wall cavity

BOX AND CABLE SUPPORTS - BETWEEN STUDS AND FLOOR

CS1RAC APPLICATIONS
- Supports electrical boxes from floor or concrete forms

PRODUCT FEATURES
- Fold back stabilizer prevents bracket from being pushed back in wall cavity during drywall installation
- Designed for mounting square boxes 12" or 18" above floor. Mounts to metal or wood plate.
- Mounts 4" or 4-1/16" square boxes
- Box can be mounted on support without drywall ring to save time by providing maximum working area in box
- When mounted, raised cover is brought to within 1/32" of drywall every time. Will not bulge or break out drywall

COMPLIANCES
- LISTED

APPLICATIONS - 9009, 9010
- CS1RAC
- CS2RAC

PRODUCT FEATURES
- BRNRRAC single box support brackets lock into KS1RAC using built in locator tabs
- Wrap under lip design and securing lock tab allows for KS1RAC to be positioned under stud for hands free installation of bracket/box assembly
- KS1RAC wall assembly can be easily located behind closed wall with built in locator tab that can be seen once drywall is in place
- Heavy 20 gauge .038" gauge pre-galvanized steel construction for secure and rigid support of boxes in wall cavity

COMPLIANCES
- LISTED

APPLICATIONS - KS1RAC
- CS1RAC
- CS2RAC

PRODUCT FEATURES
- Cable holders can be mounted in multiple configurations - wall/surface, hung by 1/4" all threaded rod, top of wall mounted or deck mounted
- Easy to use, integrated locking tabs hold cable securely in place - snap cable in, no additional hardware required to hold cables in place
- Cable holders accept cable ranges 12-2MC to 10-4MC
- Heavy 20 gauge .038" gauge pre-galvanized steel construction for secure and rigid support of boxes in wall cavity

COMPLIANCE
- LISTED

APPLICATIONS - CS1RAC & CS2RAC
- CS1RAC and CS2RAC are used to organize runs of MC or BX cables with spacing for NEC requirements that eliminate the need for derating
- Flexibility allows for multiple mounting applications

CATALOG # DESCRIPTION STD. PKG. BARCODE
CS1RAC 16" - 18" Cable positions 36 —
CS2RAC 14" - 24" Cable positions 40 —

FLOOR MOUNTED BOX SUPPORT
9009 12" tail bracket 25 —
9010 18" tail bracket 25 —

FLOOR MOUNT KICK STAND – ADJUSTABLE
KS1RAC Spans 16" between two metal or wood studs 20 —

MC/BX CABLE HOLDER
CS1RAC 16" - 30 Cable positions 36 —
CS2RAC 14" - 24" Cable positions 40 —

S2RRAC</s>
**APPLICATION - 920, 922**

- **RACO** Adjustable bar hanger allows box to be placed between ceiling joists or wall studs quickly and easily.

**PRODUCT FEATURES**

- Both RACO® 920 and 922 bar fixture hangers allow box to be located anywhere along length of bar.
- 920, 922 Clip installs in 1/2” knockout located in bottom (back) of box.
- RACO® box must be ordered separately.

**BOX INSTALLATION**

- Bar hangers attach to octagon or square boxes through center 1/2” knockouts.
- Remove knockout from box, also the screw and fixture clip from bar hanger.
- When box is located accurately between joists, tighten the screw securely.

**KWIK-HANG™ APPLICATIONS**

- Designed to support 4” square, 4-11/16” square, round, or octagon boxes in hanging applications.
- Does existing holes in bottom of box for quick installation.

**KWIK-HANG™ FEATURES**

- Use with cable, wire, chain, strut (not included) to secure from building structure.
- Quick installation.
- Locks securely into position.
- Durable steel construction.
- Installation instructions included.

**COMPLIANCES**

- cULus Listed for static fixtures load of 50 lbs or less.
- Satisfies NEC 300.11 for box support.
- File E195978.

---

**CATALOG # DESCRIPTION**

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<tr>
<th>Catalog #</th>
<th>Description</th>
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<tbody>
<tr>
<td>920</td>
<td>Clip, adjusts 14-1/4” to 23-1/2” No 10** 25 IIIIIIII</td>
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<tr>
<td>922</td>
<td>Clip, adjusts 14-1/4” to 22-1/2” No 10** 50 —</td>
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**Notes:** 10”, rated at 10” span on center for 50 lbs.

---

**CATALOG # DESCRIPTION**

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<th>Catalog #</th>
<th>Description</th>
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<td>961</td>
<td>611, 612 Old Work clips for switch boxes, 1/2” sheetrock 50 packs IIIIIIII</td>
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<td>962</td>
<td>613, 614, 615 Old Work clips for switch boxes, 3/4” sheetrock 50 packs IIIIIIII</td>
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<td>963</td>
<td>616 Old Work clips for switch boxes, 1-1/4” sheetrock 50 packs IIIIIIII</td>
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**CATALOG # DESCRIPTION**

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<td>970RAC</td>
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<tr>
<td>977</td>
<td>Supplied as a pair to mount switch box with plaster ears in a hollow wall, 1-1/4” long legs 100 pairs —</td>
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<td>8977-5*</td>
<td>Supplied as a pair to mount switch box with plaster ears in a hollow wall, 1-3/8” long legs 100 pairs —</td>
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**Notes:** *(Note: 545, 560, 565, 567, 570, 590, 600, 601)*

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**CATALOG # DESCRIPTION**

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<tr>
<th>Catalog #</th>
<th>Description</th>
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<tr>
<td>991</td>
<td>KWIK-HANG™ box support hanger 50 —</td>
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RACO® BOXES, COVERS AND ACCESSORIES

CABLE PROTECTOR PLATES

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<td>Yes PUZZLE-PLATE/gangable</td>
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<td>2712R</td>
<td>PUZZLE-PLATE/gangable</td>
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<td>2799</td>
<td>Standard type/ non-gangable</td>
<td>2-1/4&quot;</td>
<td>.0625&quot;</td>
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<td>IIIIIIII</td>
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<td>2709-9</td>
<td>Standard type/ non-gangable</td>
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NAILING SPUR APPLICATIONS - 2709, 2710

- Protects nonmetallic sheathed cable or raceway type wires running through wood studs from accidental nail, screw or drill penetration
- No nails required

PRODUCT FEATURE
- Old work

COMPLIANCE
- UL® LISTED (not 970RAC)

APPLICATIONS - 701R - 701FG

- RACO® protector plates eliminate drywall compound, debris, paint and drywall router bit from entering box or damaging device or conductors

PRODUCT FEATURES
- Raising covers decorates, duplex and switch devices
- Flat - covers close off mudring opening to protect wiring from drywaller's router
- Innovative, interlocking design does not add work to easily increase area that requires protection
- Added corrosion protection
- Gaps or holes allow nail or screw penetration through wood studs from accidental nail, screw, or drill or raceway type wires running through wood
- Protects nonmetallic sheathed cable or metal or cased wires running through wood studs from accidental nail, screw, or drill or raceway type wires running through wood
- Protects nonmetallic, nonferrous sheathed cable or raceway type wires running through wood studs from accidental nail, screw or drill penetration
- Provides nonmetallic sheathed cable or raceway type wires running through wood studs from accidental nail, screw, or drill penetration
- Unique interlocking feature allows installer to easily increase area that requires protection

PRESSURE AND HAMMER DOWN SPURS

- Added corrosion protection
- Gaps or holes allow nail or screw penetration through wood studs from accidental nail, screw, or drill or raceway type wires running through wood
- Protects nonmetallic sheathed cable or metal or cased wires running through wood studs from accidental nail, screw, or drill or raceway type wires running through wood
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- Provides nonmetallic sheathed cable or raceway type wires running through wood studs from accidental nail, screw, or drill penetration
- Unique interlocking feature allows installer to easily increase area that requires protection

NAILING SPUR APPLICATIONS - 2709, 2710

- Protects nonmetallic sheathed cable or raceway type wires running through wood members from accidental nail, screw or drill penetration
- No nails required

PRODUCT FEATURE
- Old work

COMPLIANCE
- UL® LISTED (not 970RAC)

ACCESSORIES FOR STEEL BOXES

GROUNDING APPLICATIONS

- RACO® grounding accessories provide a safe electrical path to ground to help prevent shock
- RACO® grounding screws thread into the box and provide a means of fastening the ground conductor
- Ground wires fasten to the box and are then connected to wiring system or wiring device
- RACO® 6" and 8" ground pigtails feature 4-way (slotted, phillips, hex-head) combo 10-32 captive screw
- Ground clips provide a quick method of fastening a ground conductor to the edge of a steel outlet box
- Ground clips are designed for use with solid No. 14, 12, and 10 guage copper conductor or No. 12 and 10 guage aluminum conductor
- Only one solid ground wire to be installed per ground clip

GROUNDING SCREWS AND CLIPS

<table>
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<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>STD. PK.</th>
<th>BAR CODE</th>
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</thead>
<tbody>
<tr>
<td>988</td>
<td>4-way combo head green finish 3/8&quot; ground screw for 10-32 tapped hole, clamp shell packaged (100 pc. per clam shell)</td>
<td>1000</td>
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</tr>
<tr>
<td>8998-1</td>
<td>4-way combo head green finish 3/8&quot; ground screw for 10-32 tapped hole, poly bag (10 pc. per bag)</td>
<td>50</td>
<td>Bags*</td>
</tr>
<tr>
<td>973</td>
<td>Slotted head ground finish 3/8&quot; ground screw for 10-32 tapped hole, clamp shell package (100 pc. per clam shell)</td>
<td>1000</td>
<td>IIIIIIII</td>
</tr>
<tr>
<td>8973-1</td>
<td>Slotted head ground finish 3/8&quot; ground screw for 10-32 tapped hole, poly bag (50 pc. per bag)</td>
<td>50</td>
<td>Bags*</td>
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<tr>
<td>975</td>
<td>Green finish ground clip for #14-#10 AWG copper, clamp shell package (100 pc. per clam shell)</td>
<td>1000</td>
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<tr>
<td>8975-1</td>
<td>Green finish ground clip for #14-#10 AWG copper, poly bag (10 pc. per bag)</td>
<td>50</td>
<td>Bags*</td>
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*Order standard package bag quantities only, not per piece

GROUNDING PIGTAILS

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<tbody>
<tr>
<td>982</td>
<td>#14 Solid insulated copper wire, captive 4-way combo head green finish ground screw one end (25 pc. bundles)</td>
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<td>983</td>
<td>#12 Solid insulated copper wire, captive 4-way combo head green finish ground screw one end (25 pc. bundles)</td>
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<td>8995-1</td>
<td>#12 Solid insulated copper wire, captive 4-way combo head green finish ground screw one end, poly bag (10 pc. per bag)</td>
<td>40</td>
<td>Bags*</td>
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<td>994</td>
<td>#14 Solid bare copper wire, captive 4-way combo head green finish ground screw one end (25 pc. bundles)</td>
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<tr>
<td>993</td>
<td>#12 Stranded insulated copper wire, captive 4-way combo head green finish ground screw one end, spade terminal one end (100 pc. bundles)</td>
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8995, 8996, 8997-1

8996, 8997-1

8997-1

#975

www.hubbell.com/raco/en

PROTECTOR PLATES

2712, 2712R, 2712-9R, 2713R

PUZZLE-PLATE® Cable Protectors

APPLICATION - 2712 - 2713R

- Protects nonmetallic sheathed cable or raceway type wires running through wood studs from accidental nail, screw, or drill penetration. Also applies to plumbing to protect nonmetallic piping

PRODUCT FEATURES
- Innovative, interlocking design does not allow nail or screw penetration through gaps or holes
- Pre-galvanized steel construction for added corrosion protection
- No additional hardware required, just position and hammer down spurs
- Unique interlocking feature allows installer to easily increase area that requires protection

COMPLIANCE
- UL® LISTED (not 2712, 2712-9, 2710)

BOX GROUNDING PRODUCTS

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<th>CAT. #</th>
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<tr>
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<td>#12 Solid insulated copper wire, captive 4-way combo head green finish ground screw one end (25 pc. bundles)</td>
<td>1000</td>
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<tr>
<td>8995-1</td>
<td>#12 Solid insulated copper wire, captive 4-way combo head green finish ground screw one end, poly bag (10 pc. per bag)</td>
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<td>Bags*</td>
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<tr>
<td>994</td>
<td>#14 Solid bare copper wire, captive 4-way combo head green finish ground screw one end (25 pc. bundles)</td>
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<tr>
<td>993</td>
<td>#12 Stranded insulated copper wire, captive 4-way combo head green finish ground screw one end, spade terminal one end (100 pc. bundles)</td>
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8995, 8996, 8997-1

8997-1

#975

www.hubbell.com/raco/en
### Steel Boxes, Covers and Accessories

#### SQUARE BOXES

<table>
<thead>
<tr>
<th>CAT. #</th>
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#### 3-3/4" SQUARE CONDUIT BOXES

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#### 4" SQUARE CONDUIT BOXES

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#### CEILING FAN SUPPORT BOXES

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#### CEILING BOXES, COVERS AND ACCESSORIES

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#### Steel Boxes, Covers and Accessories

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#### CEILING FAN SUPPORT PRODUCTS

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#### CEILING BOXES, COVERS AND ACCESSORIES

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### Detailed Drawings

#### SQUARE BOXES

- **4" Square Conduit Boxes**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

- **3-3/4" Square Conduit Boxes**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

- **4" Square Cable Boxes**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

#### CEILING FAN SUPPORT PRODUCTS

- **Ceiling Fan Support Boxes**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

- **Ceiling Pans**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

#### Steel Boxes, Covers and Accessories

- **Steel Boxes, Covers and Accessories**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

- **Square Boxes**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

- **Ceiling Fans – 3-1/2"**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C

- **Ceiling Fans – 4"**
  - CAT. A: Dimensions: A(INSIDE), B, C
  - Dimensions: A(INSIDE), B, C
### Steel Boxes, Covers and Accessories

#### 3-1/2" OCTAGON BOXES

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#### OCTAGON BOXES

#### 4" OCTAGON CABLE BOXES

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### HANDY BOXES

#### HANDY BOXES AND SWITCH BOXES

#### 2-GANG HANDY BOXES / SWITCH BOXES

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#### HANDY BOXES

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#### 1-GANG AND GANGABLE CONDUIT SWITCH BOXES

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#### DETAILED DRAWINGS

- **Handy Boxes and Switch Boxes**
- **Octagon Boxes**
- **Detailed Drawings**

### Steel Boxes, Covers and Accessories

**RACO BOXES, COVERS AND ACCESSORIES**

www.hubbell.com/raco/en
1-GANG AND GANGABLE CABLE SWITCH BOXES

MULTI-DEVICE SWITCH BOXES

STEEL CONCRETE RINGS

CONCRETE RINGS AND MASONRY BOXES

STEEL MASONRY BOXES
314.27 (A) Boxes at Lighting Fixture Outlets.
Boxes used at lighting fixture luminaire shall be designed for the purpose.

410.20 Space for Conductors.
Canopies and outlet boxes taken together shall provide adequate space so that fixture conductors and their connecting devices can be properly installed.

314.27 (B) Floor Boxes.
Boxes listed specifically for this application shall be used for receptacles located in the floor. Exception: Boxes located in elevated floors of show windows and similar locations where the authority having jurisdiction judges them free from physical damage, moisture and dirt.

314.27 (C) Boxes at Fan Outlets.
Boxes that support ceiling fans must be listed for that purpose.

410.36 (A) Means of Support — Outlet Boxes.
Where the outlet box or fitting will provide adequate support, a fixture shall be attached thereto or be supported as required by Section 314.27(A)(1) for boxes.

406.12, 406.3B, 406.4 Tamper-Resistant Receptacles in dwelling units.
Our octagon boxes are designed for direct mounting of light fixtures of 6 lbs or less. Device boxes are designed for the mounting, (by #6-32 screws), of devices such as snap-switches and receptacles. They are not suitable for support other than for very lightweight devices, such as a smoke alarm unit. (See Article 314.27 (A) (1) or wall fixtures 6 lbs. or less [See 314.27 (A) (1) Exception].

When calculating the minimum cubic inch requirements for an outlet box, the canopy may be included in the calculation. However, the canopy of the fixture/fan needs to be marked with the cubic inch capacity. The volume of an unmarked canopy may be used at the discretion of the local authority having jurisdiction.

Only boxes that are UL Listed for the application may be fastened into the floor. RACO® floor boxes are in Section C in this catalog.

At any ceiling outlet that is intended to have a ceiling (paddle) fan installed, a UL Listed outlet box rated for ceiling fan support must be used. RACO offers a complete line of products designed for various applications and mounting needs.

All outlet boxes that are intended to be used with fixtures are tested in accordance with UL 514A for steel boxes, UL 514C for plastic boxes. The test does provide an ample margin for safety.

This prevents shocks to small children that like to insert keys, paper clips, etc. into the receptacle slots.

### 1-GANG Applications
- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

### Catalog # Description
<table>
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<th>Description</th>
<th>Cable Knockouts</th>
<th>Size Prod. Code</th>
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<td>7302RAC</td>
<td>2-3/4” Deep, 18.0 Cu. In. (294.9 cm³), Nails, 1/2” Setback</td>
<td>4 100 IIIIIIII</td>
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<tr>
<td>7820RAC</td>
<td>3-3/16” Deep, 20.3 Cu. In. (332.6 cm³), Nails, 1/2” Setback</td>
<td>4 100 IIIIIIII</td>
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<td>7873RAC</td>
<td>3-1/2” Deep, 23.0 Cu. In. (376.8 cm³), Nails, 1/2” Setback</td>
<td>4 100 IIIIIIII</td>
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### General Information
- Made of heavy-duty PVC (Polyvinyl chloride) compound
- Federal Manufacturer’s number 28488

### Standard Material
- Made of heavy-duty PVC (Polyvinyl chloride) compound
Nonmetallic Boxes, Covers and Accessories

APPLICATIONS
- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES
- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Single-gang boxes have knockouts that break out quickly and cleanly for faster installation
- Positioning tabs for fast accurate mounting on studs or joists
- Oversized nail support that resists hammer impact and prevents box deformation

STANDARD MATERIAL
- Made of heavy-duty PVC (Polyvinyl chloride) compound

COMPLIANCES
- Standard 514C
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating (except 7645RAC), (building codes) UL Orange Book
- Federal Manufacturer’s number 28488

NONMETALLIC CABLE BOXES

APPLICATIONS
- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices

PRODUCT FEATURES
- RACO® Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- Positioning tabs for fast accurate mounting on studs or joists
- Oversized nail support that resists hammer impact and prevents box deformation

STANDARD MATERIAL
- Made of heavy-duty PVC (Polyvinyl chloride) compound

COMPLIANCES
- Standard 514C
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating (except 7645RAC), (building codes) UL Orange Book
- Federal Manufacturer’s number 28488

NONMETALLIC CABLE BOXES

CATALOG # DESCRIPTION CABLE KNOCKOUTS

1-GANG

7308RAC 1-1/4" Deep, 8.0 Cu. In. (131.0 cm³), 3/8" Setback, Bracket 2 25
7318RAC 1-1/4" Deep, 8.0 Cu. In. (131.0 cm³), Flanged, 3/8" Setback 2 25
7717RAC 2-23/32" Deep, 20.0 Cu. In. (327.7 cm³), Face Mount, 1/2" Setback 4 100

CATALOG # DESCRIPTION CABLE KNOCKOUTS

2-GANG WITH CAPTIVE NAILS FOR WOOD STUDS — FOR NONMETALLIC SHEATHED CABLE

7835RAC 2-29/32" Deep, Nails 8 48.0 (786.5 cm³) 50
7847RAC 3-7/8" Deep, 3-Gang, Nails, 1/2" Setback, Bracket 12 74.0 (901.2 cm³) 8 IIIIIII

MULTI-GANG WITH CAPTIVE NAILS FOR WOOD STUDS — FOR NONMETALLIC SHEATHED CABLE

7645RAC 2-5/8" Deep, 4-Gang, Nails, 1/2" Setback, Bracket Support 12 55.0 (861.6 cm³) 25 IIIIIII
7646RAC 2-3/4" Deep, 3-Gang, Nails, 1/2" Setback 12 44.0 (662.2 cm³) 8 IIIIIII

MULTI-GANG, LARGE CAPACITY, WITH CAPTIVE NAILS — FOR WOOD STUD OR FACE MOUNT TO WOOD OR METAL STUD - NONMETALLIC SHEATHED CABLE

7848RAC 3-7/8" Deep, 2-Gang, Nails, 1/2" Setback, Bracket 8 48.0 (786.5 cm³) 50 IIIIIII
7847RAC 3-7/8" Deep, 3-Gang, Nails, 1/2" Setback, Bracket 12 74.0 (901.2 cm³) 8 IIIIIII
**OLD WORK WALL BOXES**

**NONMETALLIC CABLE BOXES**

**APPLICATIONS**
- **RACO®** Nonmetallic cable boxes are used in branch circuit wiring to splice wires.
- Accommodate wiring devices such as switches and receptacles.
- Provide excellent protection for wiring system or devices.

**PRODUCT FEATURES**
- **RACO®** Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install.
- Self-clamping wire entry clamps.
- Extra long, metal swing arms ensure secure installation.
- **RACO®** 7122RAC and 7922RAC feature wrap-around metal clamp to secure box to sheetrock.

**STANDARD MATERIAL**
- Made of heavy-duty engineered compound.
- Base material is polycarbonate.

**COMPLIANCES**
- **UL** Standard 514C.
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book.
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book.
- Federal Manufacturer’s number 28488.

**OLD WORK WALL BOXES**

**NONMETALLIC CABLE BOXES**

**APPLICATIONS**
- **RACO®** Nonmetallic cable boxes are used in branch circuit wiring to splice wires.
- Provide excellent protection for wiring system or devices.
- For use wherever lighting fixture canopies are to be installed.
- Ceiling boxes on this page are not designed for ceiling fan support.

**PRODUCT FEATURES**
- **RACO®** Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install.
- Self-clamping wire entry clamps.
- Round fixture boxes offer an optional front-mounted grounding screw.
- Oversized nail support that resists hammer impact and prevents box deformation.

**STANDARD MATERIAL**
- Made of heavy-duty engineered compound.
- Base material is polycarbonate.

**COMPLIANCES**
- **UL** Standard 514C.
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book.
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book.
- Federal Manufacturer’s number 28488.

---

**CAT. # | DESCRIPTION & SETBACK | CABLE CLAMPS | STD. PKG. | BAR CODE**

| **Old Work Cable Boxes** for Nonmetallic Sheathed Cable |
| --- | --- | --- | --- | --- |
| 7887RAC 1-Gang, 2-9/16” Deep, 14.0 Cu. In. (229.4 cm³), Flash Mount | 4 | 50 |
| 7488RAC 2-Gang, 2-3/4” Deep, 25.0 Cu. In. (409.6 cm³), Flash Mount | 6 | 30 |
| 7122RAC 3-1/2” Round, 2-3/16” Deep, 18.0 Cu. In. (294.9 cm³), Flash Mount, Recommended Max. Support Loads - 4 Fixture Lbs. (Studs) | 4 | 100 |
| 7922RAC 3-1/2” Round, 2-13/16” Deep, 18.0 Cu. In. (294.9 cm³), Flash Mount, Ground Plate | 4 | 100 |

| **4” Round Ceiling Boxes** for Nonmetallic Sheathed Cable |
| --- | --- | --- | --- | --- |
| 7220RAC 1-5/8” Deep, 18.0 Cu. In. (294.9 cm³), Nails | 8 | 8 |
| 7232RAC 2-5/8” Deep, 32.0 Cu. In. (524.3 cm³), Nails | 10 | 8 |

| **Accessories**
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<tr>
<td>980</td>
<td>BOLT-LOC Metal Stud Clip</td>
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## Nonmetallic Boxes, Covers and Accessories

### Nonmetallic Boxes, Covers and Accessories

#### Round Ceiling Boxes

- **SADDLE-BOX®**
- **7826RAC**
- **7825**

#### Nonmetallic Cable Boxes

<table>
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<th>CAT. #</th>
<th>DESCRIPTION &amp; SETBACK</th>
<th>CABLE CLAMPS</th>
<th>STD. PKG</th>
<th>RECOMMENDED MAX. SUPPORT LOADS BAR CODE</th>
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<tr>
<td>3-1/2” Round Ceiling Set-up – For Spanning From Joist to Joist For Nonmetallic Sheathed Cable</td>
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<td>7307*</td>
<td>2-5/8” Deep, 18.0 Cu. In. (294.9 cm³), 1/2” Setback, Nails</td>
<td>4 25 — 10G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7907*</td>
<td>2-5/8” Deep, 18.0 Cu. In. (294.9 cm³), 1/2” Setback, Adj. 14-3/4”-22-1/2”, w/Ground Plate</td>
<td>4 25 — 10G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Nonmetallic Shallow Cable Boxes

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION &amp; SETBACK</th>
<th>CABLE CLAMPS</th>
<th>STD. PKG</th>
<th>RECOMMENDED MAX. SUPPORT LOADS BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Gang Shallow Trailer Box – For Nonmetallic Sheathed Cable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7322RAC</td>
<td>1-3/4” Deep, 16.0 Cu. In. (262.1 cm³)</td>
<td>50 IIIIIII</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7322-OW</td>
<td>1-3/4” Deep, 16.0 Cu. In. (262.1 cm³), Old work wings</td>
<td>50 IIIIIII</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Applications

- **RACO®** Nonmetallic cable boxes are used in branch circuit wiring to splice wires.
- **RACO®** 7307, 7322, 7326RAC are not designed for ceiling fan support.

### Product Features

- **RACO®** Nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install.
- **Self-clamping wire entry clamps**
- **Round fixture boxes offer an optional front-mounted grounding screw**
- **For use wherever fans (Cat. #7120, 7120-1, 7120-VB only) or lighting fixture canopies are to be installed**

### Standard Material

- **Made of heavy-duty engineered compound.**
- **Base material is polycarbonate**

### Compliance

- **Standard 514C**
- **All versions of RACO 7120 are UL approved for nonmetallic wiring systems**
- **Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book**
- **Boxes are listed for mechanical properties, including the 2-Hour Fire Rating, (Building codes) UL Orange Book**
- **Federal Manufacturer’s number 28488**

---

**Notes:**

- **Packaged in a stackable, individual chipboard display cartons.**
- **10 Lbs. max. load recommended.**
- **Rated for 50 Lbs. on 16” centers.**

---

**See End of Section (Pg. A96) for Detailed Drawings.**
APPLICATIONS

- Vapor barrier boxes prevent unwanted penetration of exterior air and help maintain the existing interior environment from elements outside of the structure.
- RACO® Nonmetallic vapor barrier cable boxes provide the installer with a cost alter-native that is lightweight and easy to install.
- RACO® Nonmetallic cable boxes are used in branch circuit wiring to splice wires.
- Accommodate wiring devices such as switches and receptacles.
- Serve as fixture support.
- Provide excellent protection for wiring system or devices.

PRODUCT FEATURES

- Self-clamping wire entry clamps.
- 2027-FBAR and 7120VB boxes have a front-mounted grounding screw with combination straight/Robertson head.
- Vapor/air barrier flange and integral wire entry seal provides superior energy savings and quick installation.
- Hands free installation.
- Fits any 1-1/2” wide joist.

STANDARD MATERIAL

- Made of high strength Noryl®.
- Noryl® is a registered trademark of General Electric Corporation.

COMPLIANCES

- UL Specifications C22.2 #18 - 2011FBAR, 2002FBAR, 2003FBAR, 2008FBAR.
- Federal Manufacturer’s number 28488.

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION &amp; SETBACK</th>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>7120VB</td>
<td>2-5/8&quot; Deep, 27.15 Cu. In. (444.8 cm3), 1/2&quot; Setback</td>
<td>7120VB</td>
<td>2-5/8&quot; Deep, 27.15 Cu. In. (444.8 cm3), 1/2&quot; Setback</td>
<td>4</td>
<td>36</td>
<td>20</td>
</tr>
<tr>
<td>2027FBAR</td>
<td>2-5/8&quot; Deep, 12.5 Cu. In. (204.8 cm3), 1/2&quot; Setback</td>
<td>2027FBAR</td>
<td>2-5/8&quot; Deep, 12.5 Cu. In. (204.8 cm3), 1/2&quot; Setback</td>
<td>4</td>
<td>24</td>
<td>20</td>
</tr>
</tbody>
</table>

- Made any 1-1/2” wide joist.
- RACO® 2027FBAR is not designed for ceiling fan support.

Vapor Barrier Cable Boxes

- Provide excellent protection for wiring system or devices.
- Serve as fixture support.
- Provide excellent protection for wiring system or devices.
- RACO® 2027FBAR is not designed for ceiling fan support.

Vapor Barrier Cable Boxes

- Made of high strength Noryl®.
- Noryl® is a registered trademark of General Electric Corporation.

COMPLIANCES

- UL Specifications C22.2 #18 - 2011FBAR, 2002FBAR, 2003FBAR, 2008FBAR.
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<td>7120VB</td>
<td>2-5/8&quot; Deep, 27.15 Cu. In. (444.8 cm3), 1/2&quot; Setback</td>
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- Made any 1-1/2” wide joist.
- RACO® 2027FBAR is not designed for ceiling fan support.
Nonmetallic Boxes, Covers and Accessories

Detailed Drawings

Nonmetallic Cable Boxes

Catalog No's 7120, 7120-1, 7120VB

Catalog No's 7119RAC, 7119RAC

Catalog No's 7823RAC, 7824RAC

Catalog No's 7122RAC, 7922RAC

Catalog No's 7907, 7907

Catalog No's 7307, 7907

Catalog No's 7322, 7322-OW

Catalog No's 7322, 7322-OW

Catalog No's 7825, 7826RAC

Floor Boxes
GENERAL INFORMATION

RACO® floor boxes are ideally suited for heavy floor traffic applications, such as shopping malls, retail stores, banks and schools. Floor boxes are installed in poured concrete floors and are fed with conduit. RACO’s complete line includes both single service and three-service (power and voice/data) floor boxes, which are available in cast iron, stamped steel and PVC plastic. Floor box covers and carpet flanges are offered in brushed brass and textured stainless steel for use in designer color, ivory and gray. RACO floor boxes:

- Are used in branch circuit wiring
- Accommodate wiring devices such as receptacles for voice/data
- Provide excellent protection for wiring system or devices
- Must be closed with a cover
- Permit access to conductors for maintenance

NON-ADJUSTABLE STYLE FEATURES

This type of box has no means for adjustment. It is usually installed in wooden floors or used for retrofit in concrete.

RACO quality non-adjustable floor boxes feature:

- Rugged cast iron for strength and ground continuity
- Factory-installed ground wire
- Simple one-piece floor box design offers flexibility for power outlet or voice/data outlets
- Conveniently positioned conduit entries are tapped and plugged

FULLY-ADJUSTABLE FLOOR BOX FEATURES

This type of box has leveling screws for height and leveling adjustments to be made before the concrete is poured, and final leveling adjustments after the concrete is poured. The maximum leveling adjustment is a 7° tilt.

Fully-adjustable floor boxes feature:

- Concrete-tight floor boxes for use in power or voice/data
- Cast iron boxes classified as watertight and concrete-tight, typically used below grade where excessive moisture is present
- Choice of materials - stamped steel or cast iron
- Cast iron floor box containing factory installed ground wire, and multiple gang boxes with one ground wire per gang
- Multiple gang boxes provided with low voltage partition
- Ample wiring space for any combination of power outlet or voice/data outlets

STANDARD MATERIALS

- Nonmetallic floor box is made of heavy-duty PVC (Polyvinyl chloride) compound. Base material is recycled
- Steel floor boxes are made of .0625 inch thick steel
- Cast iron floor boxes are made from cast iron having a high tensile strength
- Solid brass covers and carpet flanges
- Nonmetallic floor box covers and carpet flanges are made of high strength thermoplastic (ABS)

STANDARD FINISHES

- Natural gray finish on nonmetallic floor box
- Nonmetallic floor box covers and carpet flanges are available in gray powder coat paint finish
- Steel boxes have a zinc coating
- Cast iron floor boxes have a gray powder coat paint finish
- Solid brass covers and carpet flanges have a brushed finish

COMPLIANCES

Floor boxes are subject to the same code requirements and minimum conductor fill requirements as other boxes. RACO floor boxes carry the following compliances:

- UL Standard 514-A
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Federal Manufacturer’s number 39488

REFERENCE DATA

- Minimum wiring capacity calculation can be found on pages A8 of this catalog

FLOOR BOX INSTALLATION

Installing a fully-adjustable floor box in a poured concrete floor: RACO provides with all box assemblies or flanges a metallic concrete cover. The concrete cover permits pouring concrete to the top of the box. The cover is then easily removed after the pour. To install the box:

1. Locate box and install conduit in accordance with local codes
2. Secure box to reinforcing bar (rebar)
3. Make pour height and leveling adjustments
4. Grease outside of cement cover and install on box
5. Grease outside of cement cover
6. Apply bead of grease on exposed portion of adjusting collar
7. Tape cement cover to box
8. Pull wires and install wiring device
9. Make final pour adjustments, and grunt around the box as required
10. Install cover plates and/or accessories

STANDARDS, 2020 NATIONAL ELECTRICAL CODES®

210-52 (a) Dwelling Unit Receptacle Outlets - General Provisions. In every kitchen, family room, dining room, living room, parlor, library, den, sun room, bedroom, recreation room, or similar room or area of dwelling units, receptacle outlets shall be installed so that no part along the floor line in any wall space is more than 6 feet, measured horizontally, from an outlet in that space, including any wall space 2 feet or room in width and the wall space occupied by fixed panels in exterior walls, but excluding sliding panels in exterior walls. The space afforded by fixed room dividers, such as freestanding bar-type counters or railings, shall be included in the 6-foot measurement.

250-144 Connecting Receptacle Grounding Terminal to Box. An equipment bonding jumper shall be used to connect the grounding terminal of a grounding-type receptacle to a grounded box. Exception (c): Floor boxes designed for and listed as providing satisfactory ground continuity between the box and the device.

314.27(B) Outlet Boxes — Floor Boxes. Boxes listed specifically for this application shall be used for receptacles located in the floor. Exception: Boxes located in elevated floors of show windows and similar locations where the authority having jurisdiction judges them to be free from physical damage, moisture, and dirt.

800.133 (A) (1) (d) Installation of Communications Wires, Cables, and Equipment — Electric Light or Power Circuits. Communications conductors shall not be placed in any raceway, compartment, outlet box, junction box, or similar fitting with conductors of electric light or power circuits or Class 1 circuits.

HOW RACO® PRODUCTS HELP COMPLETE THE INSTALLATION

Every 6 feet along the wall surface there should be a receptacle outlet regardless of the room within the dwelling. The purpose of this Article is to eliminate extension cords that are used within the dwelling. Electrically overloaded extension cords are often a source of fires. Installation of a RACO® floor box may help alleviate the need for extension cords by locating receptacles where no wall outlets are installed.

Receptacle outlets in floors can be counted as part of the required number of receptacles if they are within 18 inches of the wall.

SUMMARY OF THE MOST OFTEN REQUESTED SECTIONS OF THE 2020 NATIONAL ELECTRICAL CODE®

- 14.27(B) Outlet Boxes — Floor Boxes. Boxes listed specifically for this application shall be used for receptacles located in the floor.
- 314.27(B) Outlet Boxes — Floor Boxes. Boxes listed specifically for this application shall be used for receptacles located in the floor.
- 800.133 (A) (1) (d) Installation of Communications Wires, Cables, and Equipment — Electric Light or Power Circuits.

This section applies when power and voice/data are brought to one enclosure. A means of dividing the wiring is required. Voltage dividers are available for the following floor box types: PVC floor box and rectangular fully-adjustable.

RACO BOXES, COVERS AND ACCESSORIES

www.hubbell.com/raco/en

A98

A99
*Nonmetallic Box – Multi-Service Option: A voltage separation units allows the nonmetallic box to be used for telephone/data service as well as power. As shown, the unit has two pieces. The lower portion has openings on opposite sides for power wires and ramps on the other two sides for telephone/data wires. Power wires run inside tube and attach to duplex receptacle. Telephone/data wires run outside of tube and pass through grommet(s) in the cover.

Before installing lower part of voltage separation unit, cut off the same amount from the tube as you cut off the box. Complete the installation of the carpet flange, duplex receptacle and cover.
## Applications
- Used in branch circuit wiring
- Accommodate wiring devices for various receptacles
- Permit access to conductors for maintenance

## General Features
- RACO® Nonmetallic floor box has been engineered from the inside out with features that reduce installation time and offer increased capabilities from one box in power, voice and data
- Hubbell® nonmetallic floor boxes are economical to install and easy to level off
- A wide choice of cover materials and finishes are available
- 3” minimum pour depth

## Low Voltage Divider Features
- Installs inside 5511 floor box for multi-service applications. Use separate conduit runs for power and voice/data cables
- Accepts Hubbell® standard duplex receptacles or 15A Twist-Lok® duplex receptacles (HBL 4700 series)
- Power capacity - 10.6 cubic inches plus 2.40 cubic inches per inch of tube

## Adapter Ring Features
- High-strength rigid non-corrosive PVC construction
- Large capacity box: 100 cubic inches of volume (before cut)
- Molded T-slots permit the adapter ring to be secured to the box no matter where the box has been cut
- One-piece box with pre-molded conduit hubs
- RACO® Y-Adapter permits two parallel feeds of 3/4” conduit, or feed in/out of the same side

## Compliance
- V54A

### Cat. # | Description | STD. PKG. | BAR CODE
--- | --- | --- | ---
6234 | Voltage Separation Unit, Optional | 4 | ---
5574 | 3/4" Y Adapter, PVC | 10 | ---
6244 | Adapter Ring for all Nonmetallic and Brass Flanges | 10 | ---

### Cat. # | Description | Carpet Flange Style | STD. PKG. | BAR CODE
--- | --- | --- | --- | ---
6299 | Adapter, Nonmetallic Gray Carpet Flange, Gray Duplex Cover - Kit | 6-1/2" | 10 | HHHHHH
6252 | Clear Polycarbonate Carpet Flange | 5-1/4" | 15 | HHHHHH
6245 | Ivory Nonmetallic Duplex Cover with Lift Lids | --- | 10 | ---
6268 | Gray Nonmetallic Duplex Cover with Lift Lids | --- | 10 | ---

### Accessories
- Replacement Covers and Carpet Flanges − Nonmetallic
- Floor Box Cover Assembly Kits − Nonmetallic
- Low Voltage Divider Features
- Adapter Ring Features
- Compliance
- V54A

### Applications
- RACO® Nonmetallic floor box covers and flanges provide a quick, simple method of completing floor box installation on carpeted floor
- Covers are outfitted with duplex flaps that automatically close when not in use, preventing breakage and eliminating a potential trip hazard
- Cover design keeps debris out when receptacles are not in use
- Hubbell® RACO® carpet flanges and covers install quickly and easily with provided screws
- 3-service floor box cover with duplex flap, two 1/2" diameter low-voltage knockouts. Each low-voltage knockout can accommodate up to (1) 25 pair telephone cable or (1) 50 wire data communication cable NOTE: Brass cover is not 3-service
- Compliance
- V54A
APPLICATIONS
- Floor box flanges and covers are used to complete floor box installations on either carpet or tile.

PRODUCT FEATURES
- Brass floor box covers are designed to be used with round RACO® carpet and tile flanges and RACO round full adjustable stamped steel and cast iron floor boxes.
- Flanges are designed to be installed to RACO adapter ring, catalog number 6244.
- 6280 is not designed to work with RACO 5511 nonmetallic floor box.
- Hubbell® RACO® carpet flanges, tile flanges and covers install quickly and easily with provided screws.

COMPLIANCES
- File E195978

### FLOOR BOX COVERS AND FLANGES

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CARPET FLANGE D. S. DIAMETER</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAC5500KIT</td>
<td>Round, Solid Brass Floor Box Cover Kit</td>
<td>6-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>6280</td>
<td>Brass Carpet Flange, Adapter and Duplex Cover Kit</td>
<td>6-1/2”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
</tbody>
</table>

**3-7/8” Dia., Round Covers — Brass**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CARPET FLANGE D. S. DIAMETER</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6249</td>
<td>Brass Duplex Cover with Lift Lids</td>
<td>5-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>6284</td>
<td>Brass Duplex Cover with 2, 1-1/2” Threaded Plugs</td>
<td>5-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>6285</td>
<td>Brass Cover with 2-1/8” x 1” Combination Plugs</td>
<td>5-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>6287</td>
<td>Brass Cover with 2-1/8” x 3/4” Combination Plugs</td>
<td>5-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
</tbody>
</table>

**Carpet Flanges**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>CARPET FLANGE D. S. DIAMETER</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6230</td>
<td>Brass Carpet Flange, Mop-tight</td>
<td>5-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
<tr>
<td>6235</td>
<td>Brass Carpet Flange*</td>
<td>6-1/4”</td>
<td>10</td>
<td>IIIIIII</td>
</tr>
</tbody>
</table>

**Tile Flange**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>TILE FLANGE D. S. DIAMETER</th>
<th>STD. PKG.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6290</td>
<td>Brass Tile/Flush Application Flange</td>
<td>4-3/16”</td>
<td>15</td>
<td>IIIIIII</td>
</tr>
</tbody>
</table>
**Applications**

- Floor box kits are used to complete floor box installations on either carpet, tile, or wood floors.

**Product Features**:

- **6236 AND 5236**
  - back wiring - clamp type terminals accepts up to #10 wire
  - 15A, 125V tamper resistant receptacle
  - Brass finish cover plate is .058" thick, and 2-3/4" wide x 4-1/2" long

- **6236 includes 3-1/2" deep box**

**Product Features**:

- **6500BR & 6500NI only**
  - Disposable concrete cap to prevent the entry of concrete during pour
  - Interior and exterior leveling screws permit adjustment to meet finished floor
  - Disposible concrete cap to prevent the entry of concrete during pour

**Compliances**

- File E189578
- File E189578
- (6500BR & 6500NI only)

---

**Floor Boxes**

### Rectangular, Metallic Floor Box Kit

- **RP6239BP**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

- **RP6239NI**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

- **RP6239BK**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

### Round, Drop-in, Brass 16.0

- **6239NI, 6239SS and 6239BK**
  - PRODUCT FEATURES: 6RF1515R

- **6239BP**
  - PRODUCT FEATURES: 6RF1515R

- **6RF1515R**
  - PRODUCT FEATURES: 6RF1515R

---

**Floor Boxes**

### Round, Recessed Floor Boxes

- **6239NI**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

- **6239SS**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

- **6239BK**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

### Round, Recessed Floor Boxes - Brass, Nickel, Stainless or Black Finish

- **6239BP**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

- **6RF1515R**
  - Replacement Plug for Floor Box Assemblies
  - File E189578

---

**Floor Boxes**

### ROUND FLOOR BOXES

- **6255, 6257**
  - PRODUCT FEATURES: 6RF1515R

- **6261, 6263**
  - PRODUCT FEATURES: 6RF1515R

---

**Applications**

- Round floor boxes provide flush service for power or voice/data
- Floor boxes may be used for carpet or tile floor applications.

**Cast Iron Floor Box**

- Cast iron, water-tight body, fully adjustable

**Stamped Steel Floor Boxes**

- Stamped steel, concrete-tight, fully adjustable
- Zinc coated finish
- 1/2", 3/4", 1" and 1-1/4" knockouts; all bottom knockouts are accessible

**General Product Features**

- Brass tile flange provided with box
- RACO® 6236 or 6235 carpet flange must be ordered separately (included brass tile ring must be discarded before installing carpet flange)
- RACO® 6246, 6284, 6285, 6287 brass cover must be ordered separately
- Interioier and exterior leveling screws permit adjustment to meet finished floor
- Disposable concrete cap to prevent the entry of concrete during pour

**Compliances**

- File E189578
- File E189578
- File E189578
- File E189578
- File E189578
RACO® rectangular series floor boxes are ideally suited for heavy floor traffic applications, such as malls, department stores, banks and schools.

Floor boxes are installed in poured concrete floors and are fed with conduit.

RACO® floor boxes are used in branch circuit wiring.

### CAST IRON FLOOR BOX

**PRODUCT FEATURES**
- Cast iron, water-tight body, fully adjustable
- Gray powder coat paint inside and out for additional corrosion resistance
- 3/4” threaded conduit openings are standard

**STAMPED STEEL FLOOR BOXES**

**PRODUCT FEATURES**
- Stamped steel, concrete-tight, fully adjustable
- Zinc coated finish

**GENERAL PRODUCT FEATURES**
- Brass tile flange provided with box
- RACO® 6292 or 6293 carpet flange must be ordered separately
- RACO® 6250, 6289, 6289 or 6291 brass cover must be ordered separately
- Interior and exterior leveling screws permit adjustment to meet finished floor
- Disposable concrete cap to prevent the entry of concrete during pour included.

**COMPLIANCES**
- File E195978

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**BRASS/RECTANGULAR**

**APPLICATIONS**
- RACO® rectangular floor box brass covers and flanges are used to complete floor box installations

**PRODUCT FEATURES**
- Rectangular brass covers are used with RACO single-gang, two-gang, and three-gang rectangular floor boxes
- Covers are 3” wide x 4-5/32” long
- Cover screw centers are 3-5/32” x 2-1/8”
- Rectangular carpet flanges are available in brass or clear polycarbonate

**COMPLIANCES**
- \(\text{File E195978}\)

### FLOOR BOX COVERS AND FLANGES

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>STD. PKG</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rectangular Floor Box Covers – Brass</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6250</td>
<td>Brass Duplex Cover with Lift Lids</td>
<td>40</td>
<td>—</td>
</tr>
<tr>
<td>6288</td>
<td>Brass Duplex Cover with 2, 1-1/2” Threaded Plugs</td>
<td>40</td>
<td>—</td>
</tr>
<tr>
<td>6290</td>
<td>Brass Cover with 2-1/8” x 1” Combination Plugs</td>
<td>40</td>
<td>—</td>
</tr>
<tr>
<td>6291</td>
<td>Brass Cover with 2-1/8” x 3/4” Combination Plugs</td>
<td>40</td>
<td>—</td>
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| Rectangular Carpet Flanges – Polycarbonate and Brass |
| 6292   | 1-Gang, Brass | 20 | — |
| 6293   | 1-Gang, Clear Polycarbonate | 10 | — |
| 6294   | 2-Gang, Brass | 10 | — |
| 6295   | 2-Gang, Clear Polycarbonate | 10 | — |
| 6296   | 3-Gang, Brass | 10 | — |
| 6297   | 3-Gang, Clear Polycarbonate | 15 | — |

### ACCESSORIES AND REPLACEMENT COVERS

<table>
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<tr>
<td>Fully Adjustable Floor Box – Stamped Steel</td>
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</tr>
<tr>
<td>6289</td>
<td>3/4” Crowned, Slotted Plug</td>
</tr>
<tr>
<td>6285</td>
<td>1” Crowned, Slotted Plug</td>
</tr>
<tr>
<td>6286</td>
<td>1-1/2” Flush Slotted Plug</td>
</tr>
<tr>
<td>6287</td>
<td>2-1/8” Flush, Slotted Plug</td>
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<th>Replacement Plugs</th>
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<tr>
<td>RP6236BP</td>
</tr>
<tr>
<td>RP6500BR</td>
</tr>
<tr>
<td>RP6500NI</td>
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<thead>
<tr>
<th>Replacement Cover Flange and Adjustable Collars</th>
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<tbody>
<tr>
<td>6228</td>
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**APPLICATIONS**
- Brass abandonment plugs are sold separately for replacement in brass covers
- Split nozzle for 2-1/8” threaded cover consists of interlocking halves that provide a protective housing when assembled. The nozzle may be easily installed without removing an electrical plug from cord. Nozzle is brass colored plastic
SERVICE PEDESTALS APPLICATIONS
- RACO® above-the-floor pedestals satisfy most service requirements
- These are the traditional metallic pedestals, offered as component parts to satisfy any combination of power or voice/data requirements

PRODUCT FEATURES
- Service pedestal housing die cast aluminum frame, aluminum housing
- Stainless steel face plates

PEDESTAL CAPACITY CHART
- (Power or voice/data devices) In certain cases, the pedestal will accommodate two receptacles. In other cases, a device may be too deep, and the maximum capacity is one receptacle

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**FLOOR BOXES**

**Cast Iron Floor Boxes - Non Adjustable**

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<th>B</th>
<th>C</th>
<th>D</th>
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<tbody>
<tr>
<td>6223</td>
<td>4.19&quot;</td>
<td>3.39&quot;</td>
<td>0.59&quot;</td>
<td>3.75&quot;</td>
</tr>
<tr>
<td>6224</td>
<td>4.19&quot;</td>
<td>3.39&quot;</td>
<td>0.59&quot;</td>
<td>3.75&quot;</td>
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* If floor covering is used, vary counter bore depth accordingly.

**NOTE:** Minimum floor thickness is 1-1/4". You may need to add support under the floor around the floor box opening.

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**Cast Iron Floor Boxes - Non Adjustable - Floor Cut-out Dimensions**

**Round Floor Boxes - Adjustable**

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<th>CATALOG NUMBER</th>
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<tr>
<td>6263</td>
<td>2.86&quot;</td>
<td>3.19&quot;</td>
<td>1.69&quot;</td>
</tr>
<tr>
<td>6257</td>
<td>2.92&quot;</td>
<td>3.29&quot;</td>
<td>1.69&quot;</td>
</tr>
<tr>
<td>6255</td>
<td>3.88&quot;</td>
<td>4.26&quot;</td>
<td>2.71&quot;</td>
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<td>6262</td>
<td>3.19&quot;</td>
<td>3.57&quot;</td>
<td>2.06&quot;</td>
</tr>
<tr>
<td>6256</td>
<td>3.95&quot;</td>
<td>4.28&quot;</td>
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**1-Gang Floor Boxes - Adjustable**

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#### Multigang Floor Boxes - Adjustable

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<tr>
<td>6269</td>
<td>3.44&quot;</td>
<td>4.07&quot;</td>
<td>2.10&quot;</td>
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#### Nonmetallic Floor Box

Accepts 1" conduit.

#### Replacement Covers

When opened out, opening is 1" dia. for data cable.

#### Replacement Carpet Flanges

#### Service Pedestal

![Diagram of various floor box components and measurements](image-url)
GENERAL INFORMATION
When you need to couple, connect, fasten, or ground conduit or cables, RACO® fittings are your best answer. Choose from specification grade malleable iron, steel, lightweight aluminum, or die-cast zinc materials. Many are UL Listed as raintight, concrete-tight, or liquidtight.

PRODUCT FEATURES: RACO® FITTINGS
- Designed to save time on the job
- Locknuts won’t slip or spin
- Premium set screws provide reliable continuity of ground
- Insulated threats protect conductor insulation during wire pulling
Fittings should be installed by licensed electricians in compliance with national and local electrical codes.

STANDARDS
When applicable, RACO® products are engineered in accordance with the standards established by Underwriters’ Laboratories (UL). Most products are UL Listed and also Canadian Standards Association (CSA) certified. Dimensional data listed in this catalog is intended for general reference with broad tolerance limits.
Note: ANSI Standard CR6-4 has been cancelled and replaced by NEMA FB1.
Underwriters’ Laboratories, Inc. file numbers: E195969 rigid, IMC and liquidtight fittings; E195970 EMT fittings; E195971 non-metallic sheathed cable fittings; E195966 armored and flexible metal cable fittings; E195973 outlet bushings and fittings; E195975 grounding and bonding equipment.

For Underwriters’ Laboratories, Inc. and Canadian Standards Association listing marks, see RACO® product and carton labels.

For installation guidelines and to learn more about RACO products, visit the NEMA website at http://www.nema.org.
The National Electrical Manufacturers Association (NEMA) website is a valuable electrical resource providing the information you need - quickly. Standards and technical information, installation guides, industry news and economic trends, events/meetings, the latest electronics industry, and legislative and regulatory information for more than fifty-one product areas ranging from arc welding to x-ray machines can be found with just a few clicks of your mouse.

INSULATED CONNECTORS

APPLICATIONS
- For use in dry locations to bond EMT conduit to a box or enclosure
- RACO® steel set-screw connectors provide concrete-tight connections when taped
- RACO® set-screw connectors are suitable for applications above 600V

PRODUCT FEATURES
- All steel construction ensures mechanical protection for the raceway
- Tri-head screws (1/2” to 2” trade sizes) may be installed using a slotted, Phillips, or Robertson head screwdriver
- 2-1/2” to 4” trade sizes are also UL Listed for use on Rigid/IMC conduit, allowing for design and installation flexibility
- All components are zinc-electroplated for corrosion protection
- 1/2” to 1” trade sizes have one set-screw, 1-1/4” to 4” trade sizes have two set-screws
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

COMPLIANCES
1/2” - 2”
- UL - Standard 514B
- C22.2 # 18
2-1/2” - 4”
- UL - Standard 514B
UL Listed E195969, E195970

<table>
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<th>SHIP CARTON QTY</th>
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Compression Connectors – Steel

For Underwriters’ Laboratories, Inc. and Canadian Standards Association listing marks, see RACO® product and carton labels.

For installation guidelines and to learn more about RACO products, visit the NEMA website at http://www.nema.org.

STANDARDS, 2020 NATIONAL ELECTRICAL CODE®
COMMERCIAL FITTINGS
COMMERCIAL FITTINGS
RACO FITTINGS www.hubbell.com/raco/en
COMMERCIAL FITTINGS
EMT CONNECTORS

INSULATED CONNECTORS

APPLICATIONS
- For use in dry locations to bond EMT conduit to a box or enclosure
- RACO® steel set-screw connectors provide concrete-tight connections when taped
- RACO® set-screw connectors are suitable for applications above 600V

PRODUCT FEATURES
- All steel construction ensures mechanical protection for the raceway
- Tri-head screws (1/2” to 2” trade sizes) may be installed using a slotted, Phillips, or Robertson head screwdriver
- 2-1/2” to 4” trade sizes are also UL Listed for use on Rigid/IMC conduit, allowing for design and installation flexibility
- All components are zinc-electroplated for corrosion protection
- 1/2” to 1” trade sizes have one set-screw, 1-1/4” to 4” trade sizes have two set-screws
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

COMPLIANCES
1/2” - 2”
- UL - Standard 514B
- C22.2 # 18
2-1/2” - 4”
- UL - Standard 514B
UL Listed E195969, E195970

Insulated Connectors

Uninsulated Connectors

SEE END OF SECTION (PG B91) FOR DETAILED DRAWINGS.
APPLICATIONS
- For use in dry locations to couple two ends of EMT conduit
- RACO® steel set-screw couplings provide concrete-tight connections when taped
- RACO® set-screw couplings are suitable for applications above 600V

PRODUCT FEATURES
- All steel construction ensures mechanical protection for the raceway
- Tri-head screws (1/2” to 2” trade sizes) may be installed using a slotted, Phillips, or Robertson head screwdriver
- 2-1/2” to 4” trade sizes are also UL Listed for use on Rigid/IMC conduit, allowing for design and installation flexibility
- All components are zinc-electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

COMPLIANCES
1/2” - 2”
- "C - Standard 514B
  C22.2 # 18

2-1/2” - 4”
- "C - Standard 514B
  UL Listed E195969, E195970

CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE
--- | --- | --- | --- | ---
2022 | 1/2” | 50 | 500 | ---
2022-8 | 1/2” | 1 | 25 | ---
2023 | 3/4” | 25 | 250 | ---
2023-8 | 3/4” | 1 | 20 | ---
2024 | 1” | 25 | 100 | ---
2024-8 | 1” | 1 | 10 | ---
2025 | 1-1/4” | 5 | 25 | ---
2026 | 1-1/2” | — | 20 | ---
2028 | 2” | — | 20 | ---
2150 | 2-1/2” | — | 5 | ---
2152 | 3” | — | 1 | ---
2154 | 3-1/2” | — | 1 | ---
2156 | 4” | — | 1 | ---

APPLICATIONS
- For use when bonding EMT conduit to a box or enclosure
- RACO® 1/2” to 4” connectors provide concrete-tight connections
- RACO® compression connectors are suitable for applications above 600V

PRODUCT FEATURES
- All steel construction ensures mechanical protection for the raceway
- All components are zinc-electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

COMPLIANCE
- "C - Standard 514B
  C22.2 # 1
  UL Listed E195970

CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE
--- | --- | --- | --- | ---
2012 | 1/2” | 50 | 500 | ---
2012-8 | 1/2” | 1 | 25 | ---
2013 | 3/4” | 25 | 250 | ---
2013-8 | 3/4” | 1 | 20 | ---
2014 | 1” | 25 | 100 | ---
2014-8 | 1” | 1 | 10 | ---
2015 | 1-1/4” | 5 | 25 | ---
2016 | 1-1/2” | — | 20 | ---
2018 | 2” | — | 20 | ---
2020 | 2-1/2” | — | 5 | ---
2022 | 3” | — | 1 | ---
2024 | 3-1/2” | — | 1 | ---
2026 | 4” | — | 1 | ---

SEE END OF SECTION (PG. B91) FOR DETAILED DRAWINGS
**APPLICATIONS**
- For use in dry locations to couple two ends of EMT conduit
- RACO® steel compression couplings provide concrete-tight connections
- RACO® compression couplings are suitable for applications above 600V

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection for the raceway
- All components are zinc-electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

**COMPLIANCE**
- UL Listed E195970

---

**CATALOG #** | **TRADE SIZE** | **UNIT CARTON QTY.** | **SHIP CARTON QTY.** | **BAR CODE**
--- | --- | --- | --- | ---
**Compression Couplings – Steel**
2922 | 1/2" | 50 | 500 | ---
2922-8 | 1/2" | 1 | 25 | ---
2923 | 3/4" | 25 | 250 | ---
2923-8 | 3/4" | 1 | 15 | ---
2924 | 1" | 25 | 100 | ---
2924-8 | 1" | 1 | 10 | ---
2925 | 1-1/4" | 5 | 25 | ---
2926 | 1-1/2" | — | 20 | ---
2928 | 2" | — | 20 | ---
2930 | 2-1/2" | — | 5 | ---
2932 | 3" | — | 1 | ---
2934 | 3-1/2" | — | 1 | ---
2936 | 4" | — | 1 | ---

---

**APPLICATIONS**
- For use in wet locations to bond and secure EMT conduit to a box or enclosure
- RACO® Raintight Steel EMT compression fittings are designed to comply with new UL raintight test requirements and to comply with the requirements of the 2014 NEC 358.42 and 314.15

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection for the raceway
- Available in 1/2" to 4" trade sizes
- Zinc-electroplate finish
- All fittings are marked “Wet Locations” to allow inspecting authorities to immediately determine that the installation is up to code
- All connectors are supplied with a factory installed knockout seal. No need for the expense of buying a separate gasket
- No need to disassemble the fitting prior to installation. RACO Raintight Steel EMT compression fittings are designed to come out of the carton ready to install directly on the conduit. No need to waste time loosening compression nuts
- No special tools required. Install these fittings like any other Steel EMT compression fitting. No need for a torque wrench to insure proper installation

**COMPLIANCE**
- UL Listed E195970
**RAINTIGHT COMPRESSION COUPLINGS - STEEL**

**APPLICATIONS**
- For use in wet locations to couple two ends of EMT conduit
- RACO® Raintight Steel EMT compression fittings are designed to comply with new UL Raintight test requirements and to comply with the requirements of the 2014 NEC 358.42 and 314.15

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection for the raceway
- Available in 1/2" to 4" trade sizes
- Zinc-electroplate finish
- All fittings are marked “Wet Locations” to allow inspecting authorities to immediately determine that the installation is up to code
- No need to disassemble the fitting prior to installation. RACO Raintight Steel EMT compression fittings are designed to come out of the carton ready to install directly on the conduit. No time wasted loosening compression nuts
- No special tools required. Install these fittings like any other Steel EMT compression fitting. No need for a torque wrench to insure proper installation

**COMPLIANCE**
- Nema - Standard 514B
- C22.2 # 18
- UL Listed E195070

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**INDENTER CONNECTORS - STEEL**

**APPLICATIONS**
- For use in dry locations to bond EMT conduit to a box or enclosure
- RACO® Indenter connectors provide concrete-tight connections when taped

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection for the raceway
- All components are zinc-electroplated for corrosion protection
SET SCREW CONNECTORS - DIE-CAST

Insulated Connectors

Uninsulated Connectors

APPLICATIONS
- For use in dry locations to bond EMT conduit to a box or enclosure
- RACO® die-cast set-screw connectors provide concrete-tight connections when taped
- RACO® set-screw connectors are suitable for applications above 600V

PRODUCT FEATURES
- Rugged metallic construction ensures mechanical protection for the raceway
- 2-1/2" to 4" trade sizes are UL Listed for use on Rigid/IMC conduit, allowing for installation flexibility

COMPLIANCE
- FILE E195970

<table>
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<th>INSULATED CATALOG #</th>
<th>UNINSULATED CATALOG #</th>
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SET SCREW COUPLINGS AND OFFSETS - DIE-CAST

Couplings

Offset Connectors

APPLICATIONS
- RACO® die-cast set-screw couplings provide concrete-tight connections when taped
- RACO® set-screw couplings are suitable for applications above 600V

PRODUCT FEATURES
- For use in dry locations to couple two ends of EMT conduit
- For use in dry locations to bond EMT conduit to a box or enclosure

COMPLIANCE
- FILE E195969
- C22.2 # 18

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SEE END OF SECTION (PG #91) FOR DETAILED DRAWINGS
**EMT HANDY ELLS**

**APPLICATIONS**
- For use in dry locations to bend EMT conduit to a box or enclosure, or to couple two ends of EMT conduit
- Use handy ells when bending conduit is not practical

**PRODUCT FEATURE**
- Cover included

**COMPLIANCE**
- FILE E195969
  - C22.2 # 18

**CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE**

**90° Handy ELLs – Die-Cast Zinc Couplings**
- 2822 1/2” 10 100 —
- 2823 3/4” 5 50 —
- 2824 1” — 25 —

**90° Handy ELLs – Die-Cast Zinc Connectors**
- 2825 1/2” 10 100 —
- 2826 3/4” 5 50 —

**EMT COMPRESSION COUPLINGS**

**APPLICATIONS**
- Use to couple two ends of EMT conduit
- RACO® compression couplings are suitable for applications above 600V
- RACO® 1/2” to 4” couplings provide concrete-tight connections

**PRODUCT FEATURES**
- Rugged metallic construction provides mechanical protection for the raceway
- Hex compression nuts assure easy wrench installation

**COMPLIANCES**
- FILE E195970
  - C22.2 # 18

**CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE**

**Offset Connectors – Die-Cast Zinc**
- 2822 1/2” 50 500 —
- 2823 3/4” 25 250 —
- 2824 1” 50 200 —
- 2825 1-1/4” 25 100 —
- 2826 1-1/2” 10 100 —
- 2827 2” 5 —
- 2828 2-1/2” — 12 —
- 2829 3” — 12 —
- 2830 3-1/2” — 10 —
- 2831 4” — 6 —
COMPRESSION CONNECTORS - DIE-CAST

APPLICATIONS
- Use to bond EMT conduit to a box
- RACO® 1/2” to 4” connectors provide concrete-tight connections
- RACO® compression connectors are suitable for applications above 600V

PRODUCT FEATURES
- Rugged metallic construction provides mechanical protection for the raceway
- Oversized hex compression nuts assure easy wrench installation

COMPLIANCES
- FILE E195970
- C22.2 # 18

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COMPRESSION OFFSET CONNECTORS - DIE-CAST

PRODUCT APPLICATIONS
- Use to bond EMT conduit to a box
- RACO® compression offset connectors are suitable for applications above 600V

PRODUCT FEATURES
- Rugged metallic construction provides mechanical protection for the raceway
- Hex compression nuts assure easy wrench installation

COMPLIANCES
- FILE E195970
- C22.2 # 18

<table>
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<th>CATALOG #</th>
<th>TRADE SIZE</th>
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**90˚ Short Angle Connectors - Malleable Iron**

**Applications**
- To bond EMT conduit to a box or enclosure
- Use 90 degree short angle connectors when bending conduit is not practical

**Product Features**
- Malleable construction ensures mechanical protection for the raceway
- Hex compression nuts assure easy wrench installation
- All components are zinc-electroplated for corrosion protection

**Compliances**
- ☑ Standard 514B

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**Two-Piece Connectors and Combination Couplings - Die-Cast/Steel**

**Applications**
- For use in dry locations to bond EMT conduit to a box or enclosure
- RACO® 1/2" and 3/4" two-piece connectors provide concrete-tight connections

**Product Features**
- Rugged metallic construction provides mechanical protection for the raceway
- All steel components are zinc-electroplated for corrosion protection

**Compliance**
- ☑ Standard 514B

**Steel Combination Couplings Application**
- Use RACO Cat. Nos. 1352 - 1354 when coupling threaded Rigid/IMC conduit to EMT

**Steel Combination Couplings Product Features**
- Rugged metallic construction provides mechanical protection for the raceway
- All steel components are zinc-electroplated for corrosion protection

**Compliance**
- ☑ Standard 514B
**COMMERICAL FITTINGS**

**COUPLINGS**

**APPLICATIONS**
- Use RACO® Catalog numbers 1432 - 1434 when coupling unthreaded Rigid/IMC to EMT conduit

**PRODUCT FEATURES**
- Rugged metallic construction provides mechanical protection
- All components are zinc-electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

**APPLICATION**
- For use in dry locations to couple EMT conduit to flexible metal conduit.

**PRODUCT FEATURES**
- Rugged metallic construction ensures mechanical protection
- All steel/malleable components are zinc-electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

**COMPLIANCE**
- NEC Article 300.15c

**BUSHINGS**

**APPLICATIONS**
- RACO® EMT insulating bushings provide a smooth surface for cable installation. Insulation prevents costly damage by protecting cable jacketing from sharp conduit edges during pulling.
- Common applications include telephone, data, alarm/security, and other low voltage cable installations.

**PRODUCT FEATURES**
- High-density Polyethylene construction
- Temperature rated at 90°C
- White color

**COMPLIANCE**
- NEC Article 300.15c
EMT STRAPS

APPLICATION
• For use in mounting EMT conduit

PRODUCT FEATURES
• All stamped steel construction ensures mechanical protection
• RACO® steel one hole straps snap on to the conduit, allowing the installer to easily position the strap before mounting
• Oversized bolt holes make alignment of the fastener quick and easy
• All straps are zinc-electroplated for corrosion protection

COMPLIANCE
• UL Listed E195968, E195973

PRODUCT FEATURES
• Stamped steel straps are pre-galvanized for added corrosion protection

STEEL - STRAPS COMPLIANCE
• UL Listed E195968, E195973
• CSA - (2252-2253)

APPLICATIONS
• For use in mounting EMT conduit in wet or dry locations

APPLICATIONS
• For use with RACO® 1300 Series EMT and Rigid/IMC straps to permit space between the conduit and the mounting surface
• Use of clampbacks in outdoor locations can prevent the build-up of snow and rain between the conduit and the mounting surface

PRODUCT FEATURES
• All malleable construction ensures mechanical protection
• Oversized bolt holes for easy alignment of the fastener
• All straps are zinc-electroplated for corrosion protection

STEEL - STRAPS COMPLIANCE
• UL Listed E195968, E195973
• CSA - (2252-2253)

APPLICATIONS
• For use in mounting EMT conduit in wet or dry locations

PRODUCT FEATURES
• All malleable construction ensures durability and mechanical protection
• Zinc-electroplated for added corrosion protection
• Elongated bolt holes for easy alignment with straps
• For use in mounting EMT conduit in wet or dry locations

COMPLIANCE
• UL FILE E195968

CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE
One Hole Push-on Straps Stamped – Steel (cULus)
2082 1/2" 100 25 
2083 3/4" 50 10 
2084 1" 50 5 
2085 1-1/4" 5 
2086 1-1/2" 5 
2088 2" 5 
1337 2-1/2" 5 
1339 3" 1 
1340 3-1/2" 1 
1342 4" 1 
Two Hole Straps Stamped – Steel
2092 1/2" — 100 — 
2093 3/4" — 100 — 
2094 1" — 100 — 
2095 1-1/4" — 50 — 
2096 1-1/2" — 50 — 
2098 2" — 25 — 
2239 2-1/2" — 25 — 
2240 3" — 25 — 
2241 3-1/2" — 25 — 
2242 4" — 10 — 

Clamp Backs

APPLICATIONS
• For use with RACO® 1300 Series EMT and Rigid/IMC straps to permit space between the conduit and the mounting surface
• Use of clampbacks in outdoor locations can prevent the build-up of snow and rain between the conduit and the mounting surface

PRODUCT FEATURES
• All malleable construction ensures durability and mechanical protection
• Zinc-electroplated for added corrosion protection
• Elongated bolt holes for easy alignment with straps
• For use in mounting EMT conduit in wet or dry locations

COMPLIANCE
• UL FILE E195968
### Applications
- For use in dry locations to bond unthreaded Rigid/IMC conduit to a box or enclosure.
- RACO® steel set screw connectors are suitable for concrete-tight applications when taped.

### Product Features
- All steel construction ensures mechanical protection for the raceway.
- 2-1/2" to 4" trade sizes are also UL Listed for use on EMT conduit, allowing for design and installation flexibility.
- All components are zinc-electroplated for corrosion protection.

### Compliance
- Standard SJAB
- UL Listed E195969

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### Couplings

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### Applications
- For use in dry locations to couple two ends of unthreaded Rigid/IMC conduit.
- RACO® steel set screw couplings are suitable for concrete-tight applications when taped.

### Product Features
- All steel construction ensures mechanical protection for the raceway.
- 2-1/2" to 4" trade sizes are also UL Listed for use on EMT conduit, allowing for design and installation flexibility.
- All components are zinc-electroplated for corrosion protection.

### Compliance
- Standard SJAB
- UL Listed E195969
**RIGID COMPRESSION CONNECTORS**

**APPLICATIONS**
- Use to bond unthreaded Rigid/IMC conduit to a box or enclosure
- RACO® 1/2” to 4” connectors and couplings provide concrete-tight connections

**PRODUCT FEATURES**
- All steel/malleable iron construction ensures mechanical protection for the raceway
- Hex compression nuts assure easy wrench installation
- All components are zinc-electroplated for corrosion protection

**COMPLIANCES**
- Standard 514B: UL FILE E195969
- C22.2 #18

---

**RIGID COMPRESSION COUPLINGS**

**APPLICATIONS**
- Use to couple two ends of unthreaded Rigid/IMC conduit
- RACO® 1/2” to 4” couplings provide concrete-tight connections

**PRODUCT FEATURES**
- All steel/malleable iron construction ensures mechanical protection for the raceway
- Hex compression nuts assure easy wrench installation
- All components are zinc-electroplated for corrosion protection

**COMPLIANCE**
- Standard 514B: UL FILE E195969
- C22.2 #18

---

**COMPRESSION CONNECTORS - STEEL/MALLEABLE IRON**

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- UNIT CARTON
- SHIP CARTON
- BAR CODE

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**COMPRESSION COUPLINGS - STEEL/MALLEABLE IRON**

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APPLICATION
• For use with threaded Rigid/IMC conduit
• 90° short elbows are ideal for use in tight locations where bending of conduit is not practical

PRODUCT FEATURES
• All malleable iron construction ensures mechanical protection for the raceway
• All components are zinc-electroplated for corrosion protection

COMPLIANCES
• UL - Standard 514B

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90° Handy Els Threaded Connectors - Die-Cast Zinc

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90° Handy Els Threaded Couplings - Die-Cast Zinc

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APPLICATIONS
• For use with threaded Rigid/IMC conduit to bond conduit to a box or enclosure, or to couple two ends of Rigid/IMC conduit
• Use handy els when bending conduit is not practical

PRODUCT FEATURES
• Gasket and cover included

COMPLIANCE
• UL - Standard 514B
• UL Listed E395969
• C22.2 #18
RIGID COUPLINGS

THREE-PIECE COUPLINGS - MALLEABLE IRON

APPLICATIONS
• For use with threaded Rigid/IMC conduit
• Use couplings to couple conduit ends when the conduit cannot be turned
• RACO® Three-piece couplings provide concrete-tight connections

PRODUCT FEATURES
• Malleable iron construction ensures mechanical protection for the raceway
• All components are zinc-electroplated for corrosion protection

COMPLIANCE
• UL Listed E195969

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COMBINATION COUPLINGS - STEEL

APPLICATIONS
• Use when coupling Rigid/IMC to EMT
• Use RACO® Cat. Nos. 1352 - 1354 when coupling threaded Rigid/IMC conduit to EMT
• Use RACO® Cat. Nos. 1432 - 1434 when coupling unthreaded Rigid/IMC conduit to EMT

PRODUCT FEATURES
• All steel construction ensures mechanical protection
• All components are zinc-electroplated for corrosion protection
• UPC bar code fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

COMPLIANCE
• UL File E195969

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<tr>
<td>1353</td>
<td>3/4&quot;</td>
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<td>25</td>
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<table>
<thead>
<tr>
<th>Rigid-EMT Couplings Threaded/Compression - Steel</th>
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<tbody>
<tr>
<td>1432 1/2&quot;</td>
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<td>1433 3/4&quot;</td>
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<table>
<thead>
<tr>
<th>Three-Piece Couplings - Steel</th>
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<tbody>
<tr>
<td>1520 4&quot;</td>
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<td>1524 4&quot;</td>
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COMBINATION COUPLINGS - MALLEABLE IRON

APPLICATIONS
• Use when coupling Flexible metal conduit to threaded Rigid/IMC

PRODUCT FEATURES
• All malleable iron construction ensures mechanical protection for the raceway

COMPLIANCE
• UL File E195969

<table>
<thead>
<tr>
<th>CATALOG</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
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<td>1554</td>
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Rigid to Flex Couplings Threaded/Squeeze

APPLICATIONS
• Use RACO® Cat. Nos. 1552 - 1554 when coupling flexible metal conduit to threaded Rigid/IMC

PRODUCT FEATURES
• All malleable iron construction ensures mechanical protection for the raceway

COMPLIANCE
• UL File E195969
**Applications**
- Designed to couple threaded Rigid/IMC conduit to either threaded or unthreaded Rigid/IMC or EMT conduit.
- Unique features lend to quick and simplified installation.
- No turning of the conduit is required, and no disassembly of the coupling is needed.

**Product Features**
- Reduces installation time.
- Eliminates field threading.
- Lighter than traditional malleable iron 3-piece coupling.
- Compact size makes installation easier where space is limited.
- No need to disassemble the compression nut and ring.
- Zinc-plated steel.
- UL concrete-tight.

**Compliance**
- **c**
  UL Listed E195963

---

**Threaded Hubs - Die-Cast**

**Applications**
- For use with threaded Rigid/IMC conduit to connect and bond conduit to a threadless opening in a box or enclosure.
- May be used in wet or dry locations.

**Product Features**
- Rugged metallic construction ensures mechanical protection.
- Insulated throat protects wires.
- O-ring seals the assembly and provides a raintight seal.

**Compliance**
- **c**
  - Standard 514B
  - UL Listed E195969
- **c**
  - C22.2 #18

---

**Three-Piece Couplings - Steel**

**Applications**
- Designed to couple threaded Rigid/IMC conduit to either threaded or unthreaded Rigid/IMC or EMT conduit.
- Unique features lend to quick and simplified installation.
- No turning of the conduit is required, and no disassembly of the coupling is needed.

**Product Features**
- Reduces installation time.
- Eliminates field threading.
- Lighter than traditional malleable iron 3-piece coupling.
- Compact size makes installation easier where space is limited.
- No need to disassemble the compression nut and ring.
- Zinc-plated steel.
- UL concrete-tight.

**Compliance**
- **c**
  UL Listed E195963

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**Catalog #**

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<td>1706</td>
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**RIGID REDUCING BUSHINGS**

**APPLICATION**
- For use with threaded Rigid/IMC conduit to reduce the size of a female hub to accommodate a smaller size of conduit or male threaded hub
- For use with threaded Rigid/IMC conduit to reduce the size of a female hub to accommodate a smaller size of conduit or male threaded hub

**PRODUCT FEATURES**
- Rugged steel construction ensures mechanical protection of the raceway
- Zinc-electroplated for corrosion protection

**COMPLIANCE**
- UL Listed E195969

### REDUCING BUSHINGS - STEEL

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<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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</table>

**APPLICATION**
- For use with threaded Rigid/IMC conduit to reduce the size of a female hub to accommodate a smaller size of conduit or male threaded hub

**PRODUCT FEATURES**
- Rugged iron construction ensures mechanical protection of the raceway
- Zinc-electroplated for corrosion protection

**COMPLIANCE**
- UL Listed E195969
**RIGID BONDING LOCKNUTS & RINGS**

**APPLICATION**
- For use on threaded Rigid/IMC conduit
- Use bonding locknuts when additional locking and grounding connections are required for applications where severe vibration is encountered

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

**COMPLIANCES**
- Standard 514B
- UL Listed E195975
- C22.2 #18

---

**GROUNDING RINGS**

**APPLICATION**
- RACO Conduit Hub Grounding Rings are intended for use with RACO threaded die cast zinc Rigid/IMC conduit hubs
- Install the hub into a threadless enclosure opening and secure by threading the ring onto the end of the hub throat and tightening. Secure the ground wire to the bonding screw
- Bonding screws assure ground path continuity throughout the raceway

**PRODUCT FEATURES**
- Die cast zinc construction provides corrosion resistance
- NPSM tapping threads
- Slotted head, steel, water-tight bonding screw

---

**RIGID BONDING LOCKNUTS - STEEL**

**APPLICATION**
- For use on threaded Rigid/IMC conduit
- Use bonding locknuts when additional locking and grounding connections are required for applications where severe vibration is encountered

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

**COMPLIANCES**
- Standard 514B
- UL Listed E195975
- C22.2 #18

---

**APPLICATION**
- For use in dry locations on threaded Rigid/IMC conduit to secure conduit to a box or enclosure

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

**COMPLIANCES (EXCLUDES NON-UL)**
- Standard 514B
- UL Listed E195969

---

**RIGID LOCKNUTS**

**APPLICATION**
- For use in dry locations on threaded Rigid/IMC conduit to secure conduit to a box or enclosure

**PRODUCT FEATURES**
- All steel construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

---

**Table: Locknuts - Steel**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Trade Size</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
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<tr>
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<td>1245</td>
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</tr>
<tr>
<td>1246</td>
<td>1 1/2”</td>
<td>—</td>
<td>25</td>
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<tr>
<td>1254</td>
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**Table: Threaded Conduit Hub Grounding Ring - Die Cast Zinc**

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**Table: Threaded Conduit Hub Grounding Ring - Steel**

<table>
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<tr>
<td>1754</td>
<td>1”</td>
<td>—</td>
<td>250</td>
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</table>
### Sealing Locknuts - Steel

**Application**
- For use on threaded Rigid/IMC conduit to provide a liquidtight seal against water and oil.
- RACO® sealing locknuts may be used with either sheet metal or cast enclosures.

**Product Features**
- Used-in-place gasket guarantees a liquidtight seal.
- Used RACO sealing locknut as an economical alternative to a threaded enclosure connector.
- All steel construction ensures mechanical protection.
- Zinc-electroplated for corrosion protection.

**Compliance**
- Standard 514B (1202 - 1210)
- UL File E195969
- C22.2 #18 (1202 - 1211)

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### Insulating Bushings - Polypropylene

**Application**
- For use on threaded Rigid/IMC conduit.
- RACO® bushings provide a smooth rounded surface at the entrance of raceways.

**Product Features**
- High-density Polyethylene construction.
- Temperature rated at 90° C.
- Easy push-on design.
- White color.

**Compliance**
- NEC Article 300.15.c.

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### Insulating Bushings - Polyethylene

**Application**
- RACO® EMT insulating bushings provide a smooth surface for cable installation. Insulation prevents costly damage by protecting cable jacketing from sharp conduit edges during pulling.
- Common applications include telephone, data, alarm/security, and other low voltage cable installations.

**Product Features**
- High-density Polyethylene construction.
- Temperature rated at 100° C.
- Easy push-on design.
- White color.

**Compliance**
- NEC Article 300.15.c.

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*Can be used on Rigid/IMC conduit.
BUSHINGS - MALLEABLE IRON

APPLICATION
- For use on threaded Rigid/IMC conduit
- RACO® bushings provide a smooth rounded surface at the entrance of raceways

PRODUCT FEATURES
- Malleable iron construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

COMPLIANCES
- Standard 514B
- UL Listed E195969
- C22.2 #18

---

CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE
---|---|---|---|---
1102RAC | 1/2" | — | 100 | —
1103 | 3/4" | — | 100 | —
1104 | 1" | — | 50 | —
1105 | 1-1/4" | — | 50 | —
1106 | 1-1/2" | — | 50 | —
1108 | 2" | — | 50 | —
1110 | 2-1/2" | — | 30 | —
1112 | 3" | — | 30 | —
1114 | 3-1/2" | — | 30 | —
1116 | 4" | — | 30 | —

---

INSULATED BUSHINGS - MALLEABLE IRON

APPLICATION
- For use on threaded Rigid/IMC conduit to provide a smooth rounded surface at the entrance of raceways

PRODUCT FEATURES
- Insuliner temperature rated 150°C
- Malleable iron construction ensures mechanical protection for the raceway
- Zinc-electroplated for corrosion protection
- 1/2" to 1" trade sizes are also available in die-cast zinc

COMPLIANCES
- Standard 514B
- UL Listed E195969
- C22.2 #18

---

CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE
---|---|---|---|---
1132* | 1/2" | 300 | 100 | —
1133* | 3/4" | 100 | 50 | —
1134* | 1" | 50 | 25 | —
1135 | 1-1/4" | — | 25 | —
1136 | 1-1/2" | — | 25 | —
1138 | 2" | — | 10 | —
1126 | 2-1/2" | — | 10 | —
1127 | 3" | — | 5 | —
1128 | 3-1/2" | — | 5 | —
1129 | 4" | — | 5 | —
1130 | 4-1/2" | — | — | —

---

*Available in Die-cast Zinc. Add suffix DC when ordering.
**APPLICATION**
- For use on threaded Rigid/IMC conduit to provide a means of grounding conduit through an insulated bushing
- Insulator temperature rated 150° C
- Malleable iron construction ensures mechanical protection for the raceway
- Zinc-electroplated for corrosion protection

**PRODUCT FEATURES**
- Lay-in and Feed-thru lug styles provide an easy means of inserting a ground wire
- Dual rated aluminum grounding lugs may be used with copper or aluminum grounding conductors

**COMPLIANCES**
- Standard 514B
- C22.2 #18

---

**APPLICATION**
- For use in mounting Rigid/IMC conduit in wet or dry locations
- RACO® Rigid/IMC conduit straps are suitable for use on liquidtight flexible metal conduit and liquidtight flexible nonmetallic conduit (type B)

**PRODUCT FEATURES**
- All stamped steel construction ensures mechanical protection
- RACO® steel one-hole straps snap on to conduit, allowing the installer to easily position the strap before mounting
- All straps are zinc-electroplated for corrosion protection

---

**CATALOG #** | **TRADE SIZE** | **UNIT CARTON QTY.** | **SHIP CARTON QTY.** | **GROUNDING WIRE CAPACITY** | **BAR CODE**
---|---|---|---|---|---
15° Insulated Grounding Bushings - Lay-In Lug - Malleable Iron
1212 | 1/2" | 100 | A4 | 4 Str. | ---
1213 | 3/4" | 100 | A4 | 4 Str. | ---
1214 | 1" | 50 | A4 | 4 Str. | ---
1215 | 1-1/4" | 25 | A4 | 4 Str. | ---
1216 | 1-1/2" | 25 | A4 | 4 Str. | ---
1218 | 2" | 10 | A4 | 4 Str. | ---
1290 | 2-1/2" | 10 | A4 | #1/0 Str. | ---
1292-RAC | 3" | 5 | A4 | #1/0 Str. | ---
1294 | 3-1/2" | 5 | #6 Str. | #250 MCM | ---
1296 | 4" | 5 | #6 Str. | #250 MCM | ---

15° Insulated Grounding Bushings - Feed-Thru Lug - Malleable Iron
1222 | 1/2" | 100 | A4 | 4 Str. | ---
1223 | 3/4" | 100 | A4 | 4 Str. | ---
1224 | 1" | 50 | A4 | 4 Str. | ---
1225 | 1-1/4" | 25 | A4 | 4 Str. | ---
1226 | 1-1/2" | 25 | A4 | 4 Str. | ---
1228 | 2" | 10 | A4 | 4 Str. | ---
1228 | 2-1/2" | 10 | A4 | #1/0 Str. | ---
1228-RAC | 3" | 5 | A4 | #1/0 Str. | ---
1234 | 3-1/2" | 5 | #6 Str. | #250 MCM | ---
1236 | 4" | 5 | #6 Str. | #250 MCM | ---

---

**CATALOG #** | **TRADE SIZE** | **UNIT CARTON QTY.** | **SHIP CARTON QTY.** | **GROUNDING WIRE CAPACITY** | **BAR CODE**
---|---|---|---|---|---
One Hole Push-on Straps - Stamped Steel
1332 | 1/2" | 100 | 500 | --- | ---
1333 | 3/4" | 100 | 500 | --- | ---
1334 | 1" | 50 | 250 | --- | ---
1335 | 1-1/4" | --- | 25 | --- | ---
1336 | 1-1/2" | --- | 25 | --- | ---
1338 | 2" | --- | 25 | --- | ---
1337 | 2-1/2" | --- | 25 | --- | ---
1339 | 3" | --- | 25 | --- | ---
1340 | 3-1/2" | --- | 10 | --- | ---
1341 | 4" | --- | 10 | --- | ---

---

15° Insulated Grounding Bushings - Lay-In Lug - Die-Cast Zinc
1262DC | 1/2" | 100 | A4 | 4 Str. | ---
1263DC | 3/4" | 100 | A4 | 4 Str. | ---
1264DC | 1" | 50 | A4 | 4 Str. | ---

---

15° Insulated Grounding Bushings - Feed-Thru Lug - Die-Cast Zinc
1232 | 1/2" | 100 | A4 | 4 Str. | ---
1233 | 3/4" | 100 | A4 | 4 Str. | ---
1234 | 1" | 50 | A4 | 4 Str. | ---
1235 | 1-1/4" | 25 | A4 | 4 Str. | ---
1236 | 1-1/2" | 25 | A4 | 4 Str. | ---
1238 | 2" | 10 | A4 | 4 Str. | ---
1238-RAC | 2-1/2" | 10 | A4 | #1/0 Str. | ---
1234-RAC | 3" | 5 | A4 | #1/0 Str. | ---
1234 | 3-1/2" | 5 | #6 Str. | #250 MCM | ---
1236 | 4" | 5 | #6 Str. | #250 MCM | ---
**STRAPS - STEEL**

**APPLICATION**
- For use in mounting Rigid/IMC conduit in wet or dry locations
- RACO® Rigid/IMC conduit straps are suitable for use on liquidtight flexible metal conduit and liquidtight flexible nonmetallic conduit (type B)

**PRODUCT FEATURES**
- All stamped steel construction ensures mechanical protection
- All straps are zinc-electroplated for corrosion protection

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**ONE HOLE STRAPS - MALLEABLE IRON**

**APPLICATION**
- For use in mounting Rigid/IMC conduit in wet or dry locations
- RACO® Rigid/IMC conduit straps are suitable for use on liquidtight flexible metal conduit and liquidtight flexible nonmetallic conduit (type B)

**PRODUCT FEATURES**
- All malleable construction ensures mechanical protection
- All straps are zinc-electroplated for corrosion protection

**COMPLIANCE**
- UL Listed E195968

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**CLAMP BACKS - MALLEABLE IRON**

**APPLICATION**
- For use with RACO® 1300 Series straps to permit space between the conduit and the mounting surface
- Use of clamp backs in outdoor locations can prevent the buildup of snow and rain between the conduit and the mounting surface

**PRODUCT FEATURES**
- All malleable construction ensures durability and mechanical protection
- Elongated bolt holes make alignment with straps easy

**COMPLIANCE**
- UL Listed E195968

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LIQUIDTIGHT CONDUIT AND CORD CONNECTORS

STRAIGHT CONNECTORS

APPLICATIONS
- For use in outdoor or indoor locations on flexible metallic liquidtight conduit and Type B flexible nonmetallic liquidtight conduit
- Use to positively bond the conduit to a box or enclosure
- RACO® liquidtight connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations

PRODUCT FEATURES
- Unique split-glandring is designed to slip onto the conduit quickly and to grip the jacket of the conduit, speeding installation, assuring a perfect seal, and preventing pullouts
- All components are reusable - RACO® liquidtight connectors may be easily disassembled and reused after years of service
- Sealing washer (included) provides a liquidtight seal when terminating the connector in a threadless opening
- Heavy duty locknut included with every RACO® liquidtight connector assures continuity of ground
- All steel/iron components are zinc-electroplated for added corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

BODIES – STRAIGHT
- Malleable Iron - 3/8" to 4"

NUTS – STRAIGHT, 45°
- Steel - 3/8" to 1"
- Malleable Iron - 1-1/4" to 4"

COMPLIANCES
- UL - Standard 514B
- C22.2 #18

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<th>UNINSULATED CATALOG #</th>
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<td>3412</td>
<td>3”</td>
<td>—</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>3524</td>
<td>3414</td>
<td>3-1/2”</td>
<td>—</td>
<td>1</td>
<td>—</td>
</tr>
<tr>
<td>3526</td>
<td>3416</td>
<td>4”</td>
<td>—</td>
<td>1</td>
<td>—</td>
</tr>
</tbody>
</table>

45° CONNECTORS

<table>
<thead>
<tr>
<th>INSULATED CATALOG #</th>
<th>UNINSULATED CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>45° Insulated and Uninsulated – Malleable Iron</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*3561</td>
<td>3441*</td>
<td>3/8&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3562</td>
<td>3442</td>
<td>1/2”</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3563</td>
<td>3443</td>
<td>3/4”</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3564</td>
<td>3444</td>
<td>1”</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>3565</td>
<td>3445</td>
<td>1-1/4”</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>3566</td>
<td>3446</td>
<td>1-1/2”</td>
<td>—</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>3568</td>
<td>3448</td>
<td>2”</td>
<td>—</td>
<td>5</td>
<td>—</td>
</tr>
</tbody>
</table>

* 1/2" Trade size hub
** Operating Temperature – 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)
90° CONNECTORS

Insulated
Steel/Malleable Iron

Uninsulated
Steel/Malleable Iron

APPLICATIONS
- For use in outdoor or indoor locations on flexible metallic liquidtight conduit and Type B flexible nonmetallic liquidtight conduit
- Use to positively bond the conduit to a box or enclosure
- RACO® liquidtight connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations

PRODUCT FEATURES
- Unique split-gland ring is designed to slip onto the conduit quickly gripping the jacket of the conduit, speeding installation, assuring a perfect seal, and preventing pullouts
- All components are reusable - RACO® liquidtight connectors may be easily disassembled and reused after years of service
- Sealing washer (included) provides a liquidtight seal when terminating the connector in a threadless opening
- Heavy duty locknut included with every RACO® liquidtight connector assures continuity of ground
- All steel/iron components are zinc-electroplated for added corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

BODIES – 90°
- Malleable Iron - 3/8” to 4”

NUTS – 90°
- Steel - 3/8” to 1”
- Malleable Iron - 1-1/4” to 4”

COMPLIANCES
- UL - Standard 514B
- UL LISTED E195969
- C22.2 #18

SEE END OF SECTION (PG B109) FOR DETAILED DRAWINGS
RACO® liquidtight connectors may be easily disassembled and reused after years of service.

A unique split-gland ring is designed to slip onto the conduit quickly gripping the jacket of the conduit, speeding installation, assuring a perfect seal, and preventing pullouts.

COMPLIANCES

• For use in outdoor or indoor locations on flexible metallic liquidtight conduit, when installation of a copper or aluminum external bonding jumper is required.

• RACO® grounding liquidtight connectors are suitable for use in Class I, Div 2, Class II, Div 1 & 2, and Class III, Div 1 & 2 hazardous locations.

PRODUCT FEATURES

• Unique split-gland ring is designed to slip onto the conduit quickly gripping the jacket of the conduit, speeding installation, assuring a perfect seal, and preventing pullouts.

• All components are reusable - RACO® liquidtight connector assures continuity of ground.

• Conduit Fittings 3HN

• Sealing washer (included) provides a liquidtight seal when terminating the connector in a threadless opening.

• Heavy duty locknut included with every RACO® liquidtight connector assures continuity of ground.

• All metallic components are zinc-electroplated for added corrosion protection.

BODIES

• 3/8" to 1" Steel, 1-1/4" to 4" Malleable Iron

NUTS

• 3/8" to 1" Steel, 1-1/4" to 4" Malleable Iron

COMPLIANCES

• UL LISTED E195969

• 8 - C22.2 #18

APPLICATIONS

• For use in outdoor or indoor locations on flexible metallic liquidtight conduit and Type B flexible nonmetallic liquidtight conduit

• To use positively the conduit to a box or enclosure

- Standard 514B
- C22.2 #18

B46  B47
**APPLICATIONS**
- For use in outdoor or indoor locations on flexible metallic liquidtight conduit, when installation of a copper or aluminum external bonding jumper is required.
- RACO® grounding liquidtight connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations.

**PRODUCT FEATURES**
- Split-gland ring is designed to slip onto the conduit quickly and to grip the jacket of the conduit, speeding installation, assuring a perfect seal, and preventing pullouts.
- Malleable iron castings mate with other components perfectly without strain or distortion.
- All components are reusable - RACO® liquidtight connectors may be easily disassembled and reused after years of service.
- Sealing washer (included) provides a liquidtight seal when terminating the connector in a threadless opening.
- Heavy duty locknut included with every RACO® liquidtight connector assures continuity of ground.
- All metallic components are zinc-electroplated for added corrosion protection.

**BODES**
- 3/8” to 2” Malleable Iron

**NUTS**
- 3/8” to 1” Steel, 1-1/4” to 2” Malleable Iron

**COMPLIANCE**
- UL Listed E195969
- CSA #22.2 #18

---

**45° INSULATED CONNECTOR, GROUNDING TYPE**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>GROUNDING WIRE CAPACITY BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3561-3*</td>
<td>3/8”</td>
<td>25</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3562-3</td>
<td>1/2”</td>
<td>25</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3563-3</td>
<td>3/4”</td>
<td>25</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3564-3</td>
<td>1”</td>
<td>10</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3565-3</td>
<td>1-1/4”</td>
<td>10</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3566-3</td>
<td>1-1/2”</td>
<td>5</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3568-3</td>
<td>2”</td>
<td>5</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
</tbody>
</table>

* 1/2” Trade size hub

---

**90° INSULATED CONNECTOR, GROUNDING TYPE**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>GROUNDING WIRE CAPACITY BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3541-3*</td>
<td>3/8”</td>
<td>25</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3542-3</td>
<td>1/2”</td>
<td>25</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3543-3</td>
<td>3/4”</td>
<td>25</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3544-3</td>
<td>1”</td>
<td>10</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3545-3</td>
<td>1-1/4”</td>
<td>10</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3546-3</td>
<td>1-1/2”</td>
<td>5</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3548-3</td>
<td>2”</td>
<td>5</td>
<td>14 SOL. #4 STR.</td>
<td></td>
</tr>
<tr>
<td>3550-3</td>
<td>2-1/2”</td>
<td>1</td>
<td>14 SOL. #10 STR.</td>
<td></td>
</tr>
<tr>
<td>3552-3</td>
<td>3”</td>
<td>1</td>
<td>14 SOL. #10 STR.</td>
<td></td>
</tr>
<tr>
<td>3556-3</td>
<td>4”</td>
<td>1</td>
<td>6 STR. #250 MCM</td>
<td></td>
</tr>
</tbody>
</table>

* 1/2” Trade size hub

---

**APPLICATIONS**
- For use in outdoor or indoor locations on flexible metallic liquidtight conduit, when installation of a copper or aluminum external bonding jumper is required.
- RACO® grounding liquidtight connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations.

**PRODUCT FEATURES**
- Split-gland ring is designed to slip onto the conduit quickly gripping the jacket of the conduit, speeding installation, assuring a perfect seal, and preventing pullouts.
- Malleable iron castings mate with other components perfectly without strain or distortion.
- All components are reusable - RACO® liquidtight connectors may be easily disassembled and reused after years of service.
- Sealing washer (included) provides a liquidtight seal when terminating the connector in a threadless opening.
- Heavy duty locknut included with every RACO® liquidtight connector assures continuity of ground.
- All metallic components are zinc-electroplated for added corrosion protection.

**BODIES**
- 3/8” to 4” Malleable Iron

**NUTS**
- 3/8” to 1” Steel, 1-1/4” to 4” Malleable Iron

**COMPLIANCE**
- UL Listed E195969
LIQUIDTIGHT CONDUIT AND CORD CONNECTORS

SEALING WASHERS - STEEL

APPLICATIONS
• For use whenever a positive seal is required between the shoulder of a fitting and an enclosure.

PRODUCT FEATURES
• One-piece construction assures proper installation - no need to worry about aligning multiple components.
• Steel ring is zinc-electroplated for added corrosion protection.
• UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation.

COMPLIANCES
• UL Listed E195973
• C22.2 #18

Sealing Washers*

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Hole Push-on Straps - Stamped Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2452</td>
<td>1/2&quot;</td>
<td>—</td>
<td>100</td>
<td>—</td>
</tr>
<tr>
<td>2452-8</td>
<td>1/2&quot;</td>
<td>—</td>
<td>20 bags of 2</td>
<td>IIIII</td>
</tr>
<tr>
<td>2453</td>
<td>3/4&quot;</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>2453-8</td>
<td>3/4&quot;</td>
<td>—</td>
<td>20 bags of 2</td>
<td>IIIII</td>
</tr>
<tr>
<td>2454</td>
<td>1&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>2454-8</td>
<td>1&quot;</td>
<td>—</td>
<td>10 bags of 2</td>
<td>IIIII</td>
</tr>
<tr>
<td>2455</td>
<td>1-1/4&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>2456</td>
<td>1-1/2&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>2458</td>
<td>2&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
</tbody>
</table>

* One-piece steel ring and neoprene gasket, raintight.

Temperature rating: -20˚F to +212˚F.

TYPE B CONNECTORS FOR TYPE B NONMETALLIC CONDUIT - NONMETALLIC

APPLICATIONS
• For use in dry or wet locations when the conduit and fittings are not subject to physical damage.
• Use Type B conduit and fittings whenever flexibility is required for installation, operation, or maintenance.

PRODUCT FEATURES
• All gray nonmetallic construction provides superior corrosion resistance.
• Each connector is supplied with a Neoprene O-ring and nylon gasket.
• SWIVEL-LOK, multi-position connector (trade sizes 3/8" to 1") twists from 0˚ to 90˚, easing installation in difficult locations and eliminating need to stock other angle connectors.
• UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation.

COMPLIANCES
• UL Listed E195973
• C22.2 #18
• NEMA Type 4x, 12 and 13

Straight Connectors

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight Connectors - Nylon for Type B Conduit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4721</td>
<td>3/8&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>4722</td>
<td>1/2&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>4722-8</td>
<td>1/2&quot;</td>
<td>1</td>
<td>20</td>
<td>—</td>
</tr>
<tr>
<td>4723</td>
<td>3/4&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>4723-8</td>
<td>3/4&quot;</td>
<td>1</td>
<td>15</td>
<td>—</td>
</tr>
<tr>
<td>4724</td>
<td>1&quot;</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>4724-8</td>
<td>1&quot;</td>
<td>1</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>4725</td>
<td>1-1/4&quot;</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>4726</td>
<td>1-1/2&quot;</td>
<td>—</td>
<td>5</td>
<td>—</td>
</tr>
<tr>
<td>4728</td>
<td>2&quot;</td>
<td>—</td>
<td>5</td>
<td>—</td>
</tr>
</tbody>
</table>

* 3/8” trade size hub

SWIVEL-LOK Straight Position

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWIVEL-LOK Multiposition Connectors - Nylon for Type B Conduit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4731</td>
<td>3/8&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>4732</td>
<td>1/2&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>4732-8</td>
<td>1/2&quot;</td>
<td>1</td>
<td>20</td>
<td>—</td>
</tr>
<tr>
<td>4733</td>
<td>3/4&quot;</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>4733-8</td>
<td>3/4&quot;</td>
<td>1</td>
<td>15</td>
<td>—</td>
</tr>
<tr>
<td>4734</td>
<td>1&quot;</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>4734-8</td>
<td>1&quot;</td>
<td>1</td>
<td>10</td>
<td>—</td>
</tr>
</tbody>
</table>

SWIVEL-LOK 90˚ Position

See end of section (PG B111) for detailed drawings.

See end of section (PG B111) for detailed drawings.
**Commercial Fittings**

**Liquidtight Conduit and Cord Connectors**

**Connectors for Extra Flexible Tubing - Nonmetallic**

**Applications**
- For use in dry or wet locations where the conduit and fittings are not subject to physical damage
- Use extra flexible tubing and connectors whenever added flexibility is required for installation, operation, or maintenance

**Product Features**
- All black nonmetallic construction ends metal fatigue and separation problems and provides superior corrosion resistance
- Each connector is supplied with a Neoprene O-ring and nylon gasket
- SWIVEL-LOK, multiposition connector (trade sizes 3/8" to 1") twists from 0˚ to 90˚, easing installation in difficult locations and eliminating need to stock other angle connectors

**Compliance**
- Standard 514B
- C22.2 #18
- NEMA Type 4x, 12 and 13

**Connectors for Extra Flexible Tubing - Steel/Malleable Iron**

**Applications**
- For use in dry or wet locations to provide a liquidtight and strain relief termination for flexible cord and cable
- RACO® liquidtight strain relief cord connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations

**Product Features**
- All metallic components are zinc-electroplated for corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for attractive presentation

**Compliance**
- UL File E195973
**Application**
- For use in wet or dry locations to provide a liquidtight and strain relief termination for flexible cord and cable. RACO® Liquidtight strain relief cord connectors are suitable for use in Class I, Div. 2, Class II, Div. 1 and 2, Class III, Div. 1 and 2 hazardous locations.

**Product Features**
- Straight connectors are available in steel, 45° and 90° connectors available in malleable iron.
- Neoprene grommets are color-coded by cable diameter allowing for quick and easy identification.
- Steel and malleable iron construction provides mechanical strength and durability.
- Metallic components are zinc-electroplated for corrosion protection.
- Unique grommet design is forced up and around the cord when the nut is tightened creating a liquidtight seal.
- Time saving and easy installation - no need to disassemble the fitting for cord installation.
- Male tapered thread NPT.

**Compliance**
- Listed E195973
- NEMA 4

### Color-Coded Cord Grip Connectors

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Trade Size</th>
<th>Grommet Color</th>
<th>Cable Range (In.)</th>
<th>Ship Ctn. Qty.</th>
<th>Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>3720-0</td>
<td>1/2&quot;</td>
<td>Red</td>
<td>.15-.25</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3720-3</td>
<td>1/2&quot;</td>
<td>Purple</td>
<td>.75-.85</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3720-4</td>
<td>1/2&quot;</td>
<td>Blue</td>
<td>.45-.56</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3720-2</td>
<td>1/2&quot;</td>
<td>Yellow</td>
<td>.65-.75</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3720-1</td>
<td>1/2&quot;</td>
<td>Gray</td>
<td>.85-.95</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3720-5</td>
<td>1/2&quot;</td>
<td>White</td>
<td>.25-.35</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

### 90° Connectors

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Trade Size</th>
<th>Grommet Color</th>
<th>Cable Range (In.)</th>
<th>Ship Ctn. Qty.</th>
<th>Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>3740-0</td>
<td>1/2&quot;</td>
<td>Red</td>
<td>.15-.25</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3740-4</td>
<td>1/2&quot;</td>
<td>Yellow</td>
<td>.65-.75</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3740-3</td>
<td>1/2&quot;</td>
<td>Blue</td>
<td>.45-.56</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3740-1</td>
<td>1/2&quot;</td>
<td>Purple</td>
<td>.75-.85</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3716-0</td>
<td>1&quot;</td>
<td>Red</td>
<td>.15-.25</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>3716-5</td>
<td>1&quot;</td>
<td>White</td>
<td>.25-.35</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>3716-4</td>
<td>1&quot;</td>
<td>Blue</td>
<td>.45-.56</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>3716-3</td>
<td>1&quot;</td>
<td>Yellow</td>
<td>.65-.75</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

### 45° Connectors

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Trade Size</th>
<th>Grommet Color</th>
<th>Cable Range (In.)</th>
<th>Ship Ctn. Qty.</th>
<th>Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>3745-0</td>
<td>1/2&quot;</td>
<td>Red</td>
<td>.15-.25</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3745-4</td>
<td>1/2&quot;</td>
<td>Yellow</td>
<td>.65-.75</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3745-3</td>
<td>1/2&quot;</td>
<td>Blue</td>
<td>.45-.56</td>
<td>25</td>
<td></td>
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<tr>
<td>3716-0</td>
<td>1&quot;</td>
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<td>.15-.25</td>
<td>10</td>
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<tr>
<td>3716-5</td>
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<td>White</td>
<td>.25-.35</td>
<td>10</td>
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<tr>
<td>3716-4</td>
<td>1&quot;</td>
<td>Blue</td>
<td>.45-.56</td>
<td>10</td>
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</tr>
<tr>
<td>3716-3</td>
<td>1&quot;</td>
<td>Yellow</td>
<td>.65-.75</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

---

**See end of section (Pg. B115 and B116) for detailed drawings.**
LIQUIDTIGHT CONDUIT AND CORD CONNECTORS

90° STRAIN RELIEF CORD CONNECTORS - STEEL/MALLEABLE IRON

**APPLICATIONS**
- For use in dry or wet locations to provide a liquidtight and strain relief termination for flexible cord and cable
- RACO® liquidtight strain relief cord connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations

**PRODUCT FEATURES**
- All steel/malleable construction provides mechanical strength
- Unique Neoprene grommet design - grommet is forced up and around the cord when the nut is tightened for a positive liquidtight seal
- Washers have size range imprinted for identification - eliminates misidentifying inventory
- Use RACO® locknuts and sealing washers to complete a liquidtight installation on a sheet metal box or panel
- All metallic components are zinc-electroplated for corrosion protection

**BODIES**
- 1/2" to 3/4" Malleable Iron

**NUTS**
- 1/2" to 3/4" Steel

**COMPLIANCE**
- UL FILE E195973

---

**90° Connectors**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>CABLE RANGE</th>
<th>UNIT CARTON</th>
<th>SHIP CARTON</th>
<th>BAR CODE</th>
</tr>
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<tbody>
<tr>
<td>3781-1</td>
<td>.125 -.250</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3782-1</td>
<td>.250 -.375</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3782-3</td>
<td>.375 -.405</td>
<td>1</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3783-4</td>
<td>.425 -.500</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3782-5</td>
<td>.375 -.500</td>
<td>—</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3782-6</td>
<td>.500 -.600</td>
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<td>25</td>
<td>—</td>
</tr>
<tr>
<td>3783-1</td>
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<td>—</td>
</tr>
<tr>
<td>3781-2</td>
<td>.375 -.500</td>
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<td>10</td>
<td>—</td>
</tr>
<tr>
<td>3781-3</td>
<td>.500 -.600</td>
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<td>10</td>
<td>—</td>
</tr>
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<td>3781-4</td>
<td>.620 -.650</td>
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<td>10</td>
<td>—</td>
</tr>
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<td>10</td>
<td>—</td>
</tr>
<tr>
<td>3781-5</td>
<td>.700 -.850</td>
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**STRAIGHT CONNECTORS - NONMETALLIC**

**APPLICATIONS**
- For use in dry or wet locations to provide a liquidtight and strain relief termination for flexible cord and cable
- RACO® liquidtight strain relief cord connectors are suitable for use in Class I, Div 2; Class II, Div 1 & 2; and Class III, Div 1 & 2 hazardous locations

**PRODUCT FEATURES**
- Nylon construction is lightweight and easy to use
- Neoprene grommet
- Resists most common industrial corrosives
- Color-coded gotcha ring provides fast identification of cord size

**COLOR CODE**
- Green
- Red
- Black
- White
- Brown
- Yellow
- Purple
- Blue
- Gray
- Pink

**DIA. RANGE INCHES**
- 0.062 - 0.125
- 0.187 - 0.250
- 0.250 - 0.312
- 0.312 - 0.375
- 0.375 - 0.437
- 0.437 - 0.500
- 0.500 - 0.625
- 0.625 - 0.750
- 0.750 - 0.875
- 0.875 - 1.000
- 1.000 - 1.125

**COMPLIANCES**
- Standard 514B
- C22.2 #18
### Straight Connectors - Aluminum

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>CABLE RANGE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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<tbody>
<tr>
<td>4801-3</td>
<td>.250 - .312</td>
<td>25</td>
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</tr>
<tr>
<td>4801-4</td>
<td>.312 - .375</td>
<td>25</td>
<td>-</td>
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<td>4801-5</td>
<td>.375 - .437</td>
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<tr>
<td>4801-7</td>
<td>.500 - .562</td>
<td>25</td>
<td>-</td>
<td>4801-7</td>
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</table>

#### DIAMETER RANGE COLOR CODE

- .062 - .125 Green
- .125 - .187 Orange
- .187 - .250 Red
- .250 - .312 Black
- .312 - .375 White
- .375 - .437 Blue
- .437 - .500 Brown
- .500 - .562 Grey
- .562 - .625 Yellow
- .625 - .750 Purple
- .750 - 1.000 Blue
- 1.000 - 1.125 Pink

#### APPLICATIONS
- For use in dry or wet locations to provide liquidtight and strain relief termination for flexible cord and cable
- Aluminum liquidtight strain relief cord connectors are suitable for use in Class I, Div 2, Class II, Div 1 & 2, and Class III, Div 1 & 2 hazardous locations

#### PRODUCT FEATURES
- Aluminum construction provides a corrosion resistant installation
- Unique gotcha ring incorporates a split hinge design to prevent friction and to provide strain relief
- Neoprene grommet
- Knurled compression nut allows the fittings to be hand tightened to UL requirements
- Gotcha ring is color-coded for sizing identification

#### COMPLIANCES
- UL Listed
- C22.2 #18
- Standard 514B

### Straight Connectors - Malleable Iron

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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<td>3302</td>
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<tr>
<td>3302-8</td>
<td>1/2&quot;</td>
<td>1</td>
<td>25</td>
<td>3302-8</td>
</tr>
<tr>
<td>3303</td>
<td>3/4&quot;</td>
<td>-</td>
<td>-</td>
<td>3303</td>
</tr>
<tr>
<td>3303-8</td>
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</tr>
<tr>
<td>3305</td>
<td>1-1/4&quot;</td>
<td>-</td>
<td>-</td>
<td>3305</td>
</tr>
<tr>
<td>3306</td>
<td>1-1/2&quot;</td>
<td>-</td>
<td>-</td>
<td>3306</td>
</tr>
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<tr>
<td>3312</td>
<td>3&quot;</td>
<td>-</td>
<td>1</td>
<td>3312</td>
</tr>
<tr>
<td>3314</td>
<td>3-1/2&quot;</td>
<td>-</td>
<td>1</td>
<td>3314</td>
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<tr>
<td>3316</td>
<td>4&quot;</td>
<td>-</td>
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<td>3316</td>
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</table>

#### APPLICATIONS
- For use in dry locations to bond flexible metal conduit to a box or enclosure

#### PRODUCT FEATURES
- All malleable construction ensures mechanical protection for the raceway
- Zinc-electroplated for added corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

#### COMPLIANCE
- UL Listed E195969
### APPLICATIONS
- Use 3/8” – 1” RACO® Double Bite Saddle Connectors in dry locations to connect flexible metal conduit, MCI, MCI-A and AC cable to a box or enclosure
- Use 1-1/4” to 4” in dry locations to connect flexible metal conduit to a box or enclosure

### PRODUCT FEATURES
- Straight connectors have all steel construction that ensures mechanical protection for the raceway
- Straight connectors available in 3/8” to 4” trade sizes
- 90° connectors have malleable iron and steel construction for added strength
- 90° connectors available in 3/8” to 1” trade sizes
- Dual saddle clamp ensures proper conduit and cable connection for the raceway
- Zinc-electroplated for corrosion resistant installation
- Tri-head screw/clamp design - connectors can be installed by using a slotted, Phillips or Robertson head screwdriver
- Insulated throats on all double bite connectors provide maximum wire protection

### COMPLIANCES
- Standard 514B
- UL Listed E195966
- NEMA FB-1

### CABLE RANGE TRADE SIZE

<table>
<thead>
<tr>
<th>CABLE RANGE</th>
<th>TRADE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00”</td>
<td>1.150”</td>
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<tr>
<td>2.450”</td>
<td>2.700”</td>
</tr>
<tr>
<td>3.060”</td>
<td>3.250”</td>
</tr>
<tr>
<td>3.560”</td>
<td>3.750”</td>
</tr>
<tr>
<td>4.060”</td>
<td>4.100”</td>
</tr>
<tr>
<td>4.560”</td>
<td>4.600”</td>
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### COMPLIANCE
- UL Listed E195963 (excludes 3201)

### CATALOG # TRADE SIZE UNIT CARTON

<table>
<thead>
<tr>
<th>CATALOG # TRADE SIZE UNIT CARTON</th>
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<tbody>
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</tr>
<tr>
<td>3302DB 1/2” 25</td>
</tr>
<tr>
<td>3303DB 3/4” 10</td>
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<td>3304DB 1” 5</td>
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<tr>
<td>3305DB 1-1/4” 5</td>
</tr>
<tr>
<td>3306DB 1-1/2” 5</td>
</tr>
<tr>
<td>3308DB 2” 1</td>
</tr>
<tr>
<td>3310DB 2-1/2” 1</td>
</tr>
<tr>
<td>3312DB 3” 1</td>
</tr>
<tr>
<td>3314DB 3-1/2” 1</td>
</tr>
<tr>
<td>3316DB 4” 1</td>
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<table>
<thead>
<tr>
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<td>3202DB 1/2” 25</td>
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<td>3203DB 3/4” 10</td>
</tr>
<tr>
<td>3204DB 1” 5</td>
</tr>
<tr>
<td>3205DB 1-1/4” 5</td>
</tr>
<tr>
<td>3206DB 1-1/2” 5</td>
</tr>
<tr>
<td>3208DB 2” 1</td>
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<td>3210DB 2-1/2” 1</td>
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</tr>
<tr>
<td>3214DB 3-1/2” 1</td>
</tr>
<tr>
<td>3216DB 4” 1</td>
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</tbody>
</table>

### INSULATED AND UNINSULATED COMPLIANCE
- For use in dry locations to bond flexible metal conduit to a box or enclosure

### PRODUCT FEATURES
- All malleable construction ensures mechanical protection for the raceway
- Zinc-electroplated for added corrosion protection
- UPC coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

### CABLE RANGE TRADE SIZE

<table>
<thead>
<tr>
<th>CABLE RANGE</th>
<th>TRADE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.60”</td>
<td>1.150”</td>
</tr>
<tr>
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<td>1.490”</td>
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<tr>
<td>2.45”</td>
<td>1.750”</td>
</tr>
<tr>
<td>3.06”</td>
<td>2.220”</td>
</tr>
<tr>
<td>3.56”</td>
<td>2.725”</td>
</tr>
<tr>
<td>4.06”</td>
<td>3.410”</td>
</tr>
<tr>
<td>4.56”</td>
<td>3.860”</td>
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</table>

*For 1/2” knockout
STRAIGHT SQUEEZE CONNECTORS - DIE-CAST ZINC

APPLICATIONS
• For use in dry locations to bond flexible metal conduit to a box or enclosure

PRODUCT FEATURES
• Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
• UL - Standard 514B
  UL LISTED E195969
• C22.2 #18 (2191 - 2198)  

CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE

<table>
<thead>
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<th>CATALOG #</th>
<th>TRADE SIZE</th>
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<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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<tr>
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</table>

* For 1/2” knockout

45° AND 90° SQUEEZE CONNECTORS - DIE-CAST ZINC

APPLICATIONS
• For use in dry locations to bond flexible metal conduit to a box or enclosure

PRODUCT FEATURES
• Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
• UL - Standard 514B
  UL LISTED E195969
• C22.2 #18 (2691 - 2698)
• C22.2 #18 - (2221 - 2222)

CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE

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<th>CATALOG #</th>
<th>TRADE SIZE</th>
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<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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<td>2222</td>
<td>1/2”</td>
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<td>500</td>
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<td>2692</td>
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</tr>
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</tr>
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<td>2698</td>
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<td>—</td>
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</tr>
</tbody>
</table>

* For 1/2” knockout

SCREW-IN TYPE CONNECTORS AND COUPLINGS - DIE-CAST ZINC

APPLICATIONS
• For use in dry locations to bond flexible metal conduit to a box or enclosure

PRODUCT FEATURES
• Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
• UL - Standard 514B
  UL LISTED E195969
• C22.2 #18

CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
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<td>500</td>
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<td>2282</td>
<td>1/2”</td>
<td>50</td>
<td>500</td>
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</tr>
<tr>
<td>2283</td>
<td>3/4”</td>
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<td>250</td>
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CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE

<table>
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<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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<td>250</td>
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</tr>
</tbody>
</table>

* 1/2” Trade size hub

SET SCREW CONNECTORS - DIE-CAST ZINC

APPLICATIONS
• For use in dry locations to bond flexible metal conduit to a box or enclosure

PRODUCT FEATURES
• Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
• UL - Standard 514B
  UL LISTED E195969
• C22.2 #18

CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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* For 1/2” knockout

CATALOG # TRADE SIZE UNIT CARTON QTY. SHIP CARTON QTY. BAR CODE

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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</thead>
<tbody>
<tr>
<td>2632</td>
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<td>1000</td>
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</table>
CLAMP TYPE CONNECTORS AND DUALPLEX CONNECTORS - DIE-CAST ZINC

APPLICATION
- For use in dry locations to bond flexible metal conduit to a box or enclosure

PRODUCT FEATURE
- Rugged die-cast zinc construction ensures mechanical protection for the raceway

COMPLIANCES
- UL FILE E195969
- C22.2 #18

APPLICATIONS
- For use when coupling flexible metal conduit to rigid/imc conduit

PRODUCT FEATURES
- Rugged malleable iron construction ensures mechanical protection
- Steel/malleable components are zinc-electroplated for added corrosion protection

COMPLIANCE
- UL FILE E195969
- C22.2 #18

FLEX - EMT APPLICATION
- For use when coupling flexible metal conduit to EMT conduit

PRODUCT FEATURES
- Rugged malleable iron construction ensures mechanical protection
- Steel/malleable components are zinc-electroplated for added corrosion protection

PRODUCT FEATURES
- Rugged die-cast zinc construction ensures mechanical protection
- Die-cast zinc construction is lightweight, one-piece plastic construction

COMPLIANCE
- UL - Standard 514B
- C22.2 #18

COMBINATION COUPLINGS - MALLEABLE IRON

APPLICATION
- For use in dry locations to bond flexible metal conduit to a box or enclosure

PRODUCT FEATURE
- Rugged malleable iron construction ensures mechanical protection

COMPLIANCES
- UL - Standard 514B
- C22.2 #18

APPLICATIONS
- For use when coupling threaded rigid/imc conduit to flexible metal conduit

PRODUCT FEATURES
- Rugged die-cast zinc construction ensures mechanical protection
- Rugged die-cast zinc construction is lightweight, one-piece plastic construction

PRODUCT FEATURES
- Rugged zinc-plated or die-cast zinc construction ensures mechanical protection
- Zinc-plated or die-cast zinc construction is lightweight, one-piece plastic construction

COMPLIANCE
- UL - Standard 514B
- C22.2 #18

NAIL-UP STRAPS

APPLICATION
- For use in mounting flexible metal conduit, armored cable, and MC cable

PRODUCT FEATURE
- Stamped steel straps are pre-galvanized for added corrosion protection

NAIL-UP STRAPS COMPATIBILITY
- UL

ANTI-SHORT BUSHINGS

APPLICATION
- Anti-short bushings are for use with armored cable and flexible metal conduit.

PRODUCT FEATURES
- Easy to use - just insert into the end of the conduit
- Lightweight, one-piece plastic construction resists corrosion
- Economical solution for preventing costly damage
COMMERCIAL FITTINGS

UNINSULATED CONNECTORS - DIE-CAST ZINC

Set Screw Connector

Clamp Type Connector

Squeeze Type Connector

90˚ AND DUPLEX CONNECTORS - DIE-CAST ZINC

90˚ Squeeze Type Connector

Duplex Connector

APPLICATIONS
For use in dry locations to bond armored cable to a box or enclosure

PRODUCT FEATURES
Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
- Standard 514B
UL Listed E195969 (excludes 2193)
- C22.2 #18

CATALOG # | TRADE SIZE | UNIT CARTON | SHIP CARTON | BAR CODE
---|---|---|---|---
Set Screw Connector - Die-Cast Zinc
2511 | 3/8" | 100 | 2500 |
Clamp Type Connector - Die-Cast Zinc
2665 | 3/8" | 100 | 2500 |
Squeeze Type Connector - Die-Cast Zinc
2191 | 3/8" | 50 | 500 |
2192 | 1/2" | 25 | 250 |
2193 | 3/4" | 25 | 250 |
2194 | 1" | 10 | 100 |

CATALOG # | TRADE SIZE | UNIT CARTON | SHIP CARTON | BAR CODE
---|---|---|---|---
Squeeze Type Connector, Uninsulated - Die-Cast Zinc
2691 | 3/8"* | 50 | 500 |
2692 | 1/2" | 25 | 250 |
2693 | 3/4" | 10 | 100 |
Duplex Connector - Die-Cast Zinc
2611 | 3/8"** | 25 | 250 |

* For 1/2" knockout
** For 1/2" knockout, 1/2" Hub size suitable for use with steel armored cable sizes 2#14, 3#14, 2#12, 3#12, 2#10 and 3#10 all with ground wire.

APPLICATIONS
For use in dry locations to bond armored cable to a box or enclosure

PRODUCT FEATURES
Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
- Standard 514B
UL Listed E195969
- C22.2 #18
BUSHINGS

APPLICATIONS
- Anti-short bushings are for use with armored cable and flexible metal conduit.
- The bushings protect the conductors during pulling from sharp cut ends of the conduit.

PRODUCT FEATURES
- Easy to use - just insert into the end of the conduit
- Lightweight, one-piece plastic construction resists corrosion
- Economical solution for preventing costly damage

STRAP - STEEL

APPLICATIONS
- For use when mounting MC and AC cables in dry locations

PRODUCT FEATURES
- All-steel construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

BUSHINGS

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-short Bushings - Plastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1440B35</td>
<td>5/16&quot;</td>
<td>35</td>
<td>10 bags of 35</td>
<td>IIIII</td>
</tr>
<tr>
<td>1441B35</td>
<td>3/8&quot;</td>
<td>35</td>
<td>10 bags of 35</td>
<td>IIIII</td>
</tr>
<tr>
<td>1442B35</td>
<td>7/16&quot;</td>
<td>35</td>
<td>5 bags of 35</td>
<td>IIIII</td>
</tr>
<tr>
<td>1443B35</td>
<td>1/2&quot;</td>
<td>20</td>
<td>5 bags of 20</td>
<td>IIIII</td>
</tr>
<tr>
<td>1444B35</td>
<td>3/4&quot;</td>
<td>16</td>
<td>4 bags of 16</td>
<td>IIIII</td>
</tr>
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</table>

STRAP - STEEL

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Hole Strap - Steel</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>2081</td>
<td>3/8&quot;</td>
<td>100</td>
<td>1000</td>
<td>---</td>
</tr>
</tbody>
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PUSH-IN CONNECTORS - STEEL

APPLICATIONS
- Push-in connectors make it easy to secure metal-clad cable into boxes or enclosures. Simply insert a cable into the cable opening, then snap the box end of the connector into a box knockout, done!
- No tools needed for a secure assembly
- Can be removed and reused

PRODUCT FEATURES
- Fits standard 3/2" knockouts in electrical boxes or enclosures
- Both connectors designed to terminate MC-PCS, MCI, MCI-A, AC, HCF, and FMC
- 40RAC tinted blue inside to indicate larger cable range
- Die-cast zinc construction with nylon anti-short bushing
- For use in dry locations

COMPLIANCE
- UL Listed

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>CABLE TYPE</th>
<th>CABLE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>38RAC 3/8&quot;</td>
<td>Push-in Connector - Steel and Nylon (Bushing)</td>
<td>MC, MCI-A, AC, HCF, MCI-A HCF, MC-PCS (SOLID)</td>
<td>3/8&quot; TRADE SIZE FLEX</td>
<td>50</td>
<td>500</td>
<td>IIIII</td>
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<tr>
<td>40RAC 3/8&quot;</td>
<td>Push-in Connector - Steel and Nylon (Bushing)</td>
<td>MC, MCI-A, AC, HCF, MCI-A HCF, MC-PCS (SOLID)</td>
<td>3/8&quot; TRADE SIZE FLEX</td>
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</tbody>
</table>

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<tr>
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<td>3/8&quot; TRADE SIZE FLEX</td>
<td>50</td>
<td>500</td>
<td>IIIII</td>
</tr>
</tbody>
</table>

APPLICATIONS
- Anti-short bushings are for use with armored cable and flexible metal conduit.
- The bushings protect the conductors during pulling from sharp cut ends of the conduit.

PRODUCT FEATURES
- Easy to use - just insert into the end of the conduit
- Lightweight, one-piece plastic construction resists corrosion
- Economical solution for preventing costly damage

APPLICATIONS
- For use when mounting MC and AC cables in dry locations

PRODUCT FEATURES
- All-steel construction ensures mechanical protection
- Zinc-electroplated for corrosion protection

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<tr>
<th>CATALOG #</th>
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<td></td>
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<td></td>
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<td></td>
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<tr>
<td>2081</td>
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<td>100</td>
<td>1000</td>
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<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
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<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>38RAC 3/8&quot;</td>
<td>Push-in Connector - Steel and Nylon (Bushing)</td>
<td>MC, MCI-A, AC, HCF, MCI-A HCF, MC-PCS (SOLID)</td>
<td>3/8&quot; TRADE SIZE FLEX</td>
<td>50</td>
<td>500</td>
<td>IIIII</td>
</tr>
<tr>
<td>40RAC 3/8&quot;</td>
<td>Push-in Connector - Steel and Nylon (Bushing)</td>
<td>MC, MCI-A, AC, HCF, MCI-A HCF, MC-PCS (SOLID)</td>
<td>3/8&quot; TRADE SIZE FLEX</td>
<td>50</td>
<td>500</td>
<td>IIIII</td>
</tr>
</tbody>
</table>

APPLICATIONS
- Push-in connectors make it easy to secure metal-clad cable into boxes or enclosures. Simply insert a cable into the cable opening, then snap the box end of the connector into a box knockout, done!
- No tools needed for a secure assembly
- Can be removed and reused

PRODUCT FEATURES
- Fits standard 3/2" knockouts in electrical boxes or enclosures
- Both connectors designed to terminate MC-PCS, MCI, MCI-A, AC, HCF, and FMC
- 40RAC tinted blue inside to indicate larger cable range
- Die-cast zinc construction with nylon anti-short bushing
- For use in dry locations

COMPLIANCE
- UL Listed

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>CABLE TYPE</th>
<th>CABLE SIZE</th>
<th>UNIT CARTON QTY.</th>
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<tr>
<td>38RAC 3/8&quot;</td>
<td>Push-in Connector - Steel and Nylon (Bushing)</td>
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<td>Push-in Connector - Steel and Nylon (Bushing)</td>
<td>MC, MCI-A, AC, HCF, MCI-A HCF, MC-PCS (SOLID)</td>
<td>3/8&quot; TRADE SIZE FLEX</td>
<td>50</td>
<td>500</td>
<td>IIIII</td>
</tr>
</tbody>
</table>
APPLICATIONS
• For use in dry locations to connect MCI, MCI-A (2800 only), AC, and HCF cable into a box or enclosure

PRODUCT FEATURES
• Easy to install - just lift, insert and snap down
• Tri-head screw/clamp design - connector can be installed by using a slotted, Phillips or Robertson head screwdriver
• Integral insuliner provides maximum wire protection
• Durable all steel construction
• Zinc-electroplated for corrosion protection
• ▶ UL Listed

COMPLIANCE
• ▶ LISTED

APPLICATIONS
• For use in dry locations to connect MC/MCI cable to a box or enclosure

PRODUCT FEATURES
• Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
• ▶ Standard 514B
• ▶ UL Listed E195969
• ▶ C22.2 #18

METAL CLAD CABLE CONNECTORS

CONNECTORS - SCREW TYPE STEEL

<table>
<thead>
<tr>
<th>CABLE TYPE</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY</th>
<th>SHIP CARTON QTY</th>
<th>BAR CODE</th>
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<tbody>
<tr>
<td>Cable Connector - Steel</td>
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<tr>
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<td>500</td>
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<tr>
<td>2801</td>
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SELECTION CHART

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<tr>
<th>CABLE TYPE</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY</th>
<th>SHIP CARTON QTY</th>
<th>BAR CODE</th>
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<tbody>
<tr>
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<td>10-4, 10-5, 8-3, 8-4, 6-3</td>
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<tr>
<td>HCF Steel</td>
<td>14-2, 14-3, 12-2, 12-3, 10-2</td>
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<tr>
<td>AC Aluminum</td>
<td>14-2, 14-3, 14-4, 12-2, 12-3, 12-4</td>
<td>10-3, 10-4, 8-2, 8-3</td>
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<td></td>
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<tr>
<td>MCI Steel</td>
<td>14-2, 14-3, 14-4, 12-2, 12-3, 12-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCI Aluminum</td>
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<td>10-3, 10-4, 8-2</td>
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<tr>
<td>MC Aluminum</td>
<td>14-3, 14-4, 12-2, 12-3, 12-4, 10-2</td>
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<tr>
<td>MCI-A Aluminum</td>
<td>12-8, 10-3, 10-4, 10-6</td>
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</tbody>
</table>

CLAMP TYPE AND DUPLEX CONNECTORS - DIE-CAST ZINC

APPLICATIONS
• For use in dry locations to connect MC/MCI cable to a box or enclosure

PRODUCT FEATURES
• Rugged metallic construction ensures mechanical protection for the raceway

COMPLIANCES
• ▶ Standard 514B
• ▶ UL Listed E195969
• ▶ C22.2 #18

1/2" HUB SIZE FOR MC CABLE - SELECTION CHART

<table>
<thead>
<tr>
<th>CLAMP TYPE - Part No. 2611</th>
<th>DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Aluminum Corrugated</td>
<td>.1775&quot; - .375&quot;</td>
</tr>
<tr>
<td>Aluminum Corrugated</td>
<td>.365&quot; - .510&quot;</td>
</tr>
<tr>
<td>Aluminum Smooth</td>
<td>.345&quot; - .525&quot;</td>
</tr>
<tr>
<td>Aluminum Interlocked</td>
<td>.465&quot; - .575&quot;</td>
</tr>
<tr>
<td>Steel Interlocked</td>
<td>.345&quot; - .547&quot;</td>
</tr>
</tbody>
</table>

DUPLEX - Part No. 2611

| Aluminum Smooth             | .410" - .500" |
| Aluminum Interlocked        | .460" - .538" |
| Steel Interlocked           | .438" - .560" |

CATALOG # TRADE SIZE UNIT CARTON QTY SHIP CARTON QTY BAR CODE

<table>
<thead>
<tr>
<th>Clamp Type Connector - Die-Cast Zinc</th>
<th>Trade Size</th>
<th>Unit Carton Qty</th>
<th>Ship Carton Qty</th>
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<tbody>
<tr>
<td>2601</td>
<td>3/8&quot;</td>
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<thead>
<tr>
<th>Duplex Connector - Die-Cast Zinc</th>
<th>Trade Size</th>
<th>Unit Carton Qty</th>
<th>Ship Carton Qty</th>
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<tbody>
<tr>
<td>2611</td>
<td>3/8&quot;</td>
<td>25</td>
<td>250</td>
</tr>
</tbody>
</table>

* For 1/2" knockout
APPLICATIONS
• Use 3/8” - 1” RACO® double bite saddle connectors in dry locations to connect flexible metal conduit, MCI, MCI-A and AC cable to a box or enclosure
• Use 1-1/4” to 4” in dry locations to connect flexible metal conduit to a box or enclosure

PRODUCT FEATURES
• Straight connectors have all steel construction that ensures mechanical protection for raceways
• Straight connectors available in 3/8” to 4” trade sizes
• 90° connectors have malleable iron and steel construction for added strength
• 90° connectors available in 3/8” to 1” trade sizes
• Dual saddle clamp ensures proper conduit and cable connection for raceway
• Zinc-electroplated for corrosion resistant installation
• Tri-head screw/clamp design - connectors can be installed by using a slotted, Phillips or Robertson head screwdriver
• Insulated throats on all double bite connectors provide maximum wire protection

COMPLIANCES
• CSA Standard 514B
• UL Listed E195966
• NEMA FB-1

---

### TABLE 1

<table>
<thead>
<tr>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY</th>
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<th>BAR CODE</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>1/2”</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4”</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1”</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-1/2”</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2”</td>
<td>1</td>
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</tr>
<tr>
<td>2-1/4”</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3”</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3/8”</td>
<td></td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>1/2”</td>
<td></td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3/4”</td>
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<td>10</td>
<td></td>
</tr>
<tr>
<td>1”</td>
<td></td>
<td>5</td>
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### TABLE 2

<table>
<thead>
<tr>
<th>TRADE SIZE</th>
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</tr>
<tr>
<td>1”</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-1/4”</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-1/2”</td>
<td>1</td>
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</tr>
<tr>
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<td>1</td>
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<tr>
<td>2-1/4”</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3”</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>4”</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/8”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-1/4”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-1/2”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-1/4”</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>3”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4”</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Applications:
• For use in mounting MC and AC cables in dry locations

PRODUCT FEATURES:
• All steel construction ensures mechanical protection
• Zinc-electroplated for corrosion protection
**APPLICATIONS**

- Use THE INSIDER® in dry locations to connect one or two runs of Nonmetallic Sheathed Cable (NMSC) to a box.

**PRODUCT FEATURES**

- Installs from inside the box. The unique design allows the installer to run the NMSC through the knockout to the desired length before snapping the connector into the knockout. No need to cut an oversized hole for an old work box and connector installation.
- The only NMSC connector that is UL tested for use with an eccentric knockout.
- Accepts single and dual runs of NMSC and accommodates one of the widest ranges of NMSC combinations in the industry. No need to stock any other connector.
- Snap-in locking tab design secures THE INSIDER® into the removed 1/2" knockout securely.
- One-piece nonmetallic construction - made of tough engineered thermoplastic and can be used in exposed and concealed ceilings and walls. Resists corrosion and offers insulation protection.
- Can be easily removed by pushing one of the locking wing tabs with a screwdriver.

**COMPLIANCE**

- UL LISTED
  - UL File E195971
  - US Patent 7,211,744

---

**THE INSIDER® CONNECTOR - THERMOPLASTIC**

**CATALOG # | TRADE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE**

<table>
<thead>
<tr>
<th>Nonmetallic Sheathed Cable Connector - Thermoplastic</th>
</tr>
</thead>
<tbody>
<tr>
<td>4714</td>
</tr>
</tbody>
</table>

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**THE INSIDER® CONNECTOR - THERMOPLASTIC**

**FILE SIZE | CONNECTORS PER CONNECTOR**

<table>
<thead>
<tr>
<th>SINGLE CABLE</th>
<th>TWO CABLE COMBINATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-2 with Ground</td>
<td>(1) 14-2 with Ground &amp; (2) 12-2 with Ground</td>
</tr>
<tr>
<td>14-3 with Ground</td>
<td>(1) 14-3 with Ground &amp; (2) 12-3 with Ground</td>
</tr>
<tr>
<td>12-2 with Ground</td>
<td>(1) 12-2 with Ground</td>
</tr>
<tr>
<td>10-2 with Ground</td>
<td>(1) 10-2 with Ground</td>
</tr>
<tr>
<td>10-2 with Ground</td>
<td>(1) 10-2 with Ground</td>
</tr>
<tr>
<td>12-3 with Ground</td>
<td>(1) 12-3 with Ground</td>
</tr>
</tbody>
</table>

---

**THE INSIDER® CONNECTOR - THERMOPLASTIC**

**APPLICATIONS**

- For use in dry locations to connect Nonmetallic Sheathed Cable (NMSC) to a box or enclosure.

**PRODUCT FEATURES**

- Rugged metallic construction will last the lifetime of the installation.
- UL Listed E195972, *E195971 (2711)
- C22.2 #18

**COMP Liances**

- UL - Standard 514B
- UL Listed E195972, *E195971 (2711)
- C22.2 #18

---

**2661**

Clamp Type Connectors

**APPLICATIONS**

- Use THE INSIDER® in dry locations to connect one or two runs of Nonmetallic Sheathed Cable (NMSC) to a box.

**PRODUCT FEATURES**

- Installs from inside the box - The unique design allows the installer to run the NMSC through the knockout to the desired length before snapping the connector into the knockout. No need to cut an oversized hole for an old work box and connector installation.
- The only NMSC connector that is UL tested for use with an eccentric knockout.
- Accepts single and dual runs of NMSC and accommodates one of the widest ranges of NMSC combinations in the industry. No need to stock any other connector.
- Snap-in locking tab design secures THE INSIDER® into the removed 1/2" knockout securely.
- One-piece nonmetallic construction - made of tough engineered thermoplastic and can be used in exposed and concealed ceilings and walls. Resists corrosion and offers insulation protection.
- Can be easily removed by pushing one of the locking wing tabs with a screwdriver.

**COMPLIANCE**

- LISTED
  - UL File E195971
  - US Patent 7,211,744

---

**CATALOG # | TRADE SIZE | CABLE SIZE | UNIT CARTON QTY. | SHIP CARTON QTY. | BAR CODE**

<table>
<thead>
<tr>
<th>Clamp Type Cable Connector - Die-Cast Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>2711*</td>
</tr>
<tr>
<td>2603</td>
</tr>
<tr>
<td>2604</td>
</tr>
<tr>
<td>2651</td>
</tr>
</tbody>
</table>

---

**1/2" HUB SIZE FOR MC CABLE - SELECTION CHART**

**CLAMP TYPE | Part No. 2661**

| Regular Aluminum Corrugated | .277" - .375" |
| Aluminum Corrugated | .355" - .510" |
| Aluminum Smooth | .345" - .525" |
| Aluminum Interlocked | .455" - .575" |
| Steel Interlocked | .435" - .547" |

---

**2711**

Clamp Type Connectors

**APPLICATIONS**

- For use in dry locations to connect Nonmetallic Sheathed Cable (NMSC) to a box or enclosure.

**PRODUCT FEATURES**

- Rugged metallic construction will last the lifetime of the installation.
- UL Listed E195972, *E195971 (2711)
- C22.2 #18

**COMP Liances**

- UL - Standard 514B
- UL Listed E195972, *E195971 (2711)
- C22.2 #18
**APPLICATION**

- Use to bring overhead electrical service into buildings

**PRODUCT FEATURES**

- Lightweight aluminum body construction eases installation and provides corrosion resistance
- Plastic insulator snaps out easily for quick cable insertion

**COMPLIANCE**

- UL Listed E195972, E195973

---

**APPLICATION**

- For use with underground feeder (UF) cable to provide a liquidtight connection to meters and enclosures

**PRODUCT FEATURES**

- Rugged metallic construction will last the life of the installation
- Use a nylon connector when a lightweight corrosion resistant connection is required

**COMPLIANCE**

- UL Standard 514B
- C22.2 #16

---

**CATALOG #**

**TRADE SIZE**

**UNIT CARTON QTY.**

**SHIP CARTON QTY.**

**BAR CODE**

**Service Entrance Heads - Aluminum**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Trade Size</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2402</td>
<td>1/2&quot;</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2403</td>
<td>3/4&quot;</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2404</td>
<td>1&quot;</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2405</td>
<td>1-1/4&quot;</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2406</td>
<td>1-1/2&quot;</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2408</td>
<td>2&quot;</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2410</td>
<td>2-1/2&quot;</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2412</td>
<td>3&quot;</td>
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</tr>
<tr>
<td>2414</td>
<td>3-1/2&quot;</td>
<td>1</td>
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</tbody>
</table>

**Underground Feeder (UF) Connectors - Aluminum/Nylon/Steel**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Trade Size</th>
<th>UF Entry Size</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>4899-9</td>
<td>1/2&quot;</td>
<td>Min. .20&quot; x .40&quot; Max. .25&quot; x .55&quot;</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4799-1</td>
<td>1/2&quot;</td>
<td>Min. .20&quot; x .40&quot; Max. .25&quot; x .55&quot;</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4799-3</td>
<td>3/4&quot;</td>
<td>Min. .20&quot; x .60&quot; Max. .25&quot; x .38&quot;</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CATALOG #**

**Nominal Cable Sizes**

**Unit Carton Qty.**

**Ship Carton Qty.**

**Bar Code**

**Service Entrance Heads, Clamp Type for SEU Cable - Aluminum**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Nominal Cable Sizes</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2430</td>
<td>3-#8 through 3-#11</td>
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<td></td>
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<tr>
<td>2440</td>
<td>3-#10 through 1-#40 1-#40 through 1-#42</td>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Wire sizes may vary among manufacturers.*
### Service Entrance Cable Connectors - Die-Cast Zinc

**APPLICATION**
- For use with service entrance cable to provide a liquidtight connection to meters and enclosures

**PRODUCT FEATURES**
- Rugged metallic construction will last the life of the installation

**COMPLIANCE**
- UL Listed E195972
- UL Listed E195971
- Standard 514B

**APPLICATION**
- For use with underground feeder (UF) cable to provide a non-watertight connection to meters and enclosures

**PRODUCT FEATURES**
- Rugged metallic construction will last the life of the installation

**COMPLIANCE**
- UL - Standard 514B
- UL Listed E195972, E195971

#### Connectors - Liquid Tight

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>GROMMET (L x W x H)</th>
<th>UF* WIRE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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</thead>
<tbody>
<tr>
<td>Service Entrance Cable Connectors, Liquid Tight – Die-Cast Zinc</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2475</td>
<td>1-1/4&quot;</td>
<td>.57&quot; x .85&quot;</td>
<td>382</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>2485</td>
<td>1-1/4&quot;</td>
<td>.51&quot; x .85&quot;</td>
<td>383</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>2486</td>
<td>1-1/2&quot;</td>
<td>.74&quot; x 1.23&quot;</td>
<td>384/20</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>2488</td>
<td>2&quot;</td>
<td>.83&quot; x 1.42&quot;</td>
<td>384/10</td>
<td>—</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>2468</td>
<td>2&quot;</td>
<td>.85&quot; x 1.54&quot;</td>
<td>384/0</td>
<td>—</td>
<td>10</td>
<td>—</td>
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</table>

* Wire sizes may vary among manufacturers

### Connectors for Oval Cable

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>NOMINAL CABLE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectors for Oval Cable – Die-Cast Zinc</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2853</td>
<td>3/4&quot;</td>
<td>386, 386</td>
<td>25</td>
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<tr>
<td>2854</td>
<td>1&quot;</td>
<td>386, 384</td>
<td>25</td>
<td>25</td>
<td>—</td>
</tr>
<tr>
<td>2855</td>
<td>1-1/4&quot;</td>
<td>386, 382</td>
<td>10</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>2856</td>
<td>1-1/2&quot;</td>
<td>384/10, 384/20, 384/1</td>
<td>10</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>2858</td>
<td>2&quot;</td>
<td>384/10, 384/20</td>
<td>10</td>
<td>10</td>
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</table>

### Connectors for Oval or Round Cable

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>NOMINAL CABLE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectors for Oval or Round Cable – Die-Cast Zinc</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2863</td>
<td>3/4&quot;</td>
<td>386, 384, 386</td>
<td>50</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>2864</td>
<td>1&quot;</td>
<td>386, 384</td>
<td>25</td>
<td>25</td>
<td>—</td>
</tr>
</tbody>
</table>
APPLICATION
- For use in mounting service entrance cable

PRODUCT FEATURES
- All steel construction provides durable installation
- Zinc-electroplated for added corrosion protection

### Straps - Steel

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Nominal Cable Size</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
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</thead>
<tbody>
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<td>Straps</td>
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<td></td>
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</tr>
<tr>
<td>2441</td>
<td>3/8&quot;, 3/4&quot;</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2442</td>
<td>3/8&quot;, 3/4&quot;, 1&quot;</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2443</td>
<td>3/8&quot;, 3/4&quot;, 1&quot;</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>3/4&quot;, 3/4&quot;, 1&quot;</td>
<td>50</td>
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</table>

### Catalog #

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Pipe Size</th>
<th>Grounding Conductor Size</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2504</td>
<td>1/2&quot; - 1&quot;</td>
<td>No. 2 Str. / No. 10 Sol.</td>
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<td></td>
<td></td>
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<tr>
<td>2505</td>
<td>1-1/4&quot; - 2&quot;</td>
<td>No. 2 Str. / No. 10 Sol.</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2506</td>
<td>1/2&quot; - 1&quot;</td>
<td>No. 2 Str. / No. 10 Sol.</td>
<td>25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Catalog #

For Bare Ground Wires

For Direct Burial in Earth or Concrete

For Bare Armored Ground Wires

APPLICATIONS
- For use with grounding wire or conduit to water pipes or ground rods

PRODUCT FEATURES
- Bronze cast construction assures ground path continuity and provides corrosion resistance

COMPLIANCE
- UL File E195975

---

For 1/2" and 3/4" Rigid Conduit

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Pipe Size</th>
<th>Grounding Conductor Size</th>
<th>Unit Carton Qty.</th>
<th>Ship Carton Qty.</th>
<th>Bar Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2507</td>
<td>1/2&quot; - 1&quot;</td>
<td>No. 6 Str. / No. 10 Sol.</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2508</td>
<td>1-1/4&quot; - 2&quot;</td>
<td>No. 6 Str. / No. 10 Sol.</td>
<td>25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

* See end of section (pg B120) for detailed drawings.
**CONDUIT SUPPORT FITTINGS**

**PRODUCT FEATURES:**
- For use in wet or dry locations to support runs of Rigid/IMC and EMT conduit from ceilings and walls
- Furnished with nut and bolt to speed installation
- Pre-galvanized finish provides corrosion protection

**COMPLIANCES:**
- UL Standard 514B (trade size 0-9)
- UL - Canada (trade size 0-9)

**APPLICATIONS:**
- Conduit Hangers with Bolts
- Beam Clamps
- Rigid Type
- Edge Type
- Parallel Type

**BEAM CLAMPS - STEEL/MALLEABLE IRON**

**APPLICATIONS:**
- For use with hangers, brittle rings, and drop rods to support conduit from I-beams
- Rugged steel/malleable iron construction will last the lifetime of the installation
- Zinc-electro-lated for corrosion resistance

**COMPLIANCE:**
- UL File E195968

**CONDUIT HANGERS - STEEL**

**PRODUCT FEATURES:**
- Right Angle Type
- Canada (trade size 0-9)
- Standard 514B (trade size 0-9)

**APPLICATIONS:**
- Runs of Rigid/IMC and EMT conduit from ceilings and walls
- To speed installation

**COMPLIANCE:**
- UL LISTED E195968

**CONDUIT CLAMS - GALVANIZED MALLEABLE IRON**

**APPLICATIONS:**
- To secure rigid metal conduit, IMC or EMT across, parallel or perpendicular to channel, beam and angle supports
- Three styles meet every installation need
- Heavy duty U-bolts, hex bolts and hex nuts
- Capable of supporting heavy loads
- Hot dipped galvanized malleable iron construction provides excellent weatherability and corrosion protection
- Perfect for commercial construction applications

**COMPLIANCE:**
- UL LISTED E195968

---

**PRODUCT FEATURES:**
- Three styles meet every installation need
- Heavy duty U-bolts, hex bolts and hex nuts
- Capable of supporting heavy loads
- Hot dipped galvanized malleable iron construction provides excellent weatherability and corrosion protection
- Perfect for commercial construction applications

**COMPLIANCE:**
- UL LISTED E195968
KNOCKOUT SEALS - STEEL

**APPLICATIONS**
- For use in closing off unused openings in boxes or panelboards
- All steel construction provides installation integrity
- Zinc-electroplated for added corrosion protection

**PRODUCT FEATURES**
- All steel construction provides installation integrity
- Zinc-electroplated for added corrosion protection

**COMPLIANCE**
- UL Listed E195973

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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</thead>
<tbody>
<tr>
<td>1042</td>
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<td>100</td>
<td>1000</td>
<td>—</td>
</tr>
<tr>
<td>1043</td>
<td>3/4&quot;</td>
<td>100</td>
<td>1000</td>
<td>—</td>
</tr>
<tr>
<td>1044</td>
<td>1&quot;</td>
<td>100</td>
<td>400</td>
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<td>1045</td>
<td>1-1/4&quot;</td>
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<tr>
<td>1048</td>
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<td>25</td>
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</tr>
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</table>

**Knockout Seals - Two Piece**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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</thead>
<tbody>
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<td>3&quot;</td>
<td>—</td>
<td>10</td>
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<tr>
<td>1040</td>
<td>3-1/2&quot;</td>
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<td>10</td>
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<td>3/4&quot;</td>
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<td>1000</td>
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<td>1048</td>
<td>2&quot;</td>
<td>25</td>
<td>—</td>
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</tbody>
</table>

**APPLICATIONS**
- Protects nonmetallic sheathed cable or raceway type wires running through wood studs from accidental nail, screw, or drill penetration. Also applies to plumbing to protect nonmetallic piping
- Interlocking design of RACO® PUZZLE PLATE® cable protector prevents nail or screw presentation through gaps or holes
- Pre-galvanized steel construction for added corrosion protection
- No additional hardware required, just position and hammer down spurs
- Unique PUZZLE-PLATE® interlocking feature allows installer to easily increase area that requires protection
- Contractor packs or individually bar coded pieces
- Made in USA

**COMPLIANCE**
- UL LISTED UL File E195968
- Canada Patent: 2,731,812

**CABLE PROTECTORS - STEEL**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>CONTRACTOR PACK</th>
<th>PLATE LENGTH &amp; THICKNESS</th>
<th>STANDARD PACK</th>
<th>WEIGHT PER 100</th>
<th>BAR CODE</th>
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<td>—</td>
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<td>IIIIIIII</td>
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<td>Yes</td>
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<td>6.8</td>
<td>IIIIIIII</td>
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<td>2712</td>
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<td>5&quot; Long, .0625&quot; Thick</td>
<td>50</td>
<td>12.2</td>
<td>IIIIIIII</td>
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</table>

* Project pack sold as a UPC-A bar coded carton of 100.
** Not cULus listed.
**Applications (NMSC)**

- For use with nonmetallic cables and conduit running through metal studs.
- The grommets protect nonmetallic sheathed cables and nonmetallic tubing from damage by the sharp metal edges during pulling.

**Product Features**

- Universal design fits in a standard 1” trade size hole (1-3/8” diameter), or various factory-punched stud configurations, eliminating the need to carry multiple SKU’s.
- Snap-in design secures quickly and safely to the metal stud opening.
- Grommets prevent safety hazards and costly repairs by protecting the conductors against physical damage.
- Lightweight plastic material eases installation.

**Compliances**

- • Listed
- • Listed

---

**Universal Metal Stud Grommet**

Universal design fits most common hole configurations

---

**Reducing Washers - Steel**

**Applications**

- For use when a raceway is smaller in trade size than the trade size of the knockout it is intended to enter.
- Use reducing washers in pairs. One inside and one outside the box or enclosure.

**Product Features**

- All steel construction provides installation integrity.
- Reducing washer is stamped with trade size information for ease of product identification.
- Zinc-electroplated for added corrosion protection.

---

**Catalog #** | **Trade Size** | **Dimensions** | **Unit CTN. QTY.** | **Ship CTN. QTY.** | **Bar Code**
---|---|---|---|---|---
1365 | 3/4” - 1/2” | 1-3/4” | 7/8” | 200 | 1000 | ---
1366 | 1” - 1/2” | 1-13/32” | 7/8” | 100 | 1000 | ---
1367 | 1” - 3/4” | 1-13/32” | 1-3/32” | 100 | 1000 | ---
1368 | 1-1/4” - 1/2” | 1-13/32” | 7/8” | --- | 100 | ---
1369 | 1-1/4” - 3/4” | 3-13/32” | 1-3/32” | --- | 100 | ---
1370 | 1-1/4” - 1” | 1-31/32” | 1-3/8” | --- | 100 | ---
1371 | 1-1/2” - 1/2” | 2-5/32” | 7/8” | --- | 50 | ---
1372 | 1-1/2” - 3/4” | 2-5/32” | 1-3/32” | --- | 50 | ---
1373 | 1-1/2” - 1” | 2-5/32” | 1-3/8” | --- | 50 | ---
1374 | 1-1/4” - 1-1/4” | 2-5/32” | 1-3/4” | --- | 50 | ---
1375 | 2” - 1/2” | 2-11/16” | 7/8” | --- | 50 | ---
1376 | 2” - 3/4” | 2-11/16” | 1-3/32” | --- | 50 | ---
1377 | 2” - 1” | 2-11/16” | 1-3/8” | --- | 50 | ---
1378 | 2” - 1-1/4” | 2-11/16” | 1-3/4” | --- | 50 | ---
1379 | 2” - 1-1/2” | 2-11/16” | 1-31/32” | --- | 50 | ---
1380 | 2-1/4” - 1” | 3-13/32” | 1-3/8” | --- | 50 | ---
1381 | 2-1/4” - 1-1/4” | 3-13/32” | 1-3/4” | --- | 50 | ---
1382 | 2-1/4” - 1-1/2” | 3-13/32” | 1-31/32” | --- | 50 | ---
1383 | 2-1/4” - 3/4” | 3-13/32” | 2-15/32” | --- | 50 | ---
1384 | 2-1/4” - 1” | 3-13/32” | 2-5/32” | --- | 50 | ---
1385 | 3” - 1-1/4” | 3-13/32” | 1-31/32” | --- | 25 | ---
1386 | 3” - 1-1/2” | 3-13/32” | 1-31/32” | --- | 25 | ---
1387 | 3” - 2” | 3-13/32” | 2-15/32” | --- | 25 | ---
1388 | 3-1/4” - 2” | 4-3/8” | 2-15/32” | --- | 10 | ---
1389 | 3-1/2” - 2” | 4-3/8” | 3” | --- | 10 | ---
1390 | 3-1/4” - 2-1/2” | 4-3/8” | 3” | --- | 10 | ---
1391 | 3-1/2” - 3” | 4-3/8” | 3-5/8” | --- | 10 | ---
1392 | 4” - 2” | 4-3/8” | 2-15/32” | --- | 10 | ---
1393 | 4” - 2-1/2” | 4-3/8” | 3” | --- | 10 | ---
1394 | 4” - 3” | 4-3/8” | 3-5/8” | --- | 10 | ---
APPLICATIONS
- For use whenever a positive seal is required between the shoulder of a fitting and an enclosure

PRODUCT FEATURES
- One-piece construction assures proper installation - no need to worry about aligning multiple components
- Steel ring is zinc-electroplated for added corrosion protection
- UPC bar coded fittings are individually polybagged with a preprinted UPC-A bar code and packaged in pre-scored tear top cartons for an attractive presentation

COMPLIANCES
- UL Listed E195973
- C22.2 #18

APPLICATION FOR OFFSET NIPPLES
- For use when connecting two boxes or panels when the knockouts are not in line

PRODUCT FEATURE
- Rugged metallic construction provides mechanical protection for the conductors

COMPLIANCES
- UL Listed E195969
- C22.2 #18

APPLICATION FOR UNINSULATED NIPPLES
- For use with a conduit coupling to connect conduit to a box or, with a locknut to connect two boxes

PRODUCT FEATURES
- Rugged metallic construction

COMPLIANCES
- UL Listed E195969
- C22.2 #18

APPLICATION FOR ANTI-SHORT BUSHINGS
- Anti-short bushings are for use with armored cable and flexible metal conduit. The bushings protect the conductors during pulling from sharp cut ends of the conduit.

PRODUCT FEATURES
- Easy to use - just insert into the end of the conduit
- Lightweight, one-piece plastic construction resists corrosion
- Economical solution for preventing costly damage

Sealing Washers

Sealing Washers - Steel

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>TRADE SIZE</th>
<th>UNIT CARTON QTY.</th>
<th>SHIP CARTON QTY.</th>
<th>BAR CODE</th>
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<td>100</td>
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<tr>
<td>2452-8</td>
<td>1/2&quot;</td>
<td>2 per bag</td>
<td>25 bags of 2</td>
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<tr>
<td>2453</td>
<td>3/4&quot;</td>
<td>25</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>2453-8</td>
<td>3/4&quot;</td>
<td>2 per bag</td>
<td>20 bags of 2</td>
<td>IIIIIII</td>
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<td>2454-8</td>
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<td>2 per bag</td>
<td>10 bags of 2</td>
<td>IIIIIII</td>
</tr>
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<td>2455</td>
<td>1-1/4&quot;</td>
<td>5</td>
<td>25</td>
<td>—</td>
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<tr>
<td>2456</td>
<td>1-1/2&quot;</td>
<td>5</td>
<td>25</td>
<td>—</td>
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<tr>
<td>2458</td>
<td>2&quot;</td>
<td>5</td>
<td>25</td>
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* One-piece steel ring and neoprene gasket, raintight

Uninsulated Chase Nipples

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<th>CATALOG #</th>
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<td>500</td>
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<td>1476</td>
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Anti-short Bushings

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<th>SHIP CARTON QTY.</th>
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<td>5 bags of 35</td>
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<td>1443B20</td>
<td>1/2&quot;</td>
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<td>5 bags of 20</td>
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</tr>
<tr>
<td>1443B16</td>
<td>3/4&quot;</td>
<td>16</td>
<td>4 bags of 16</td>
<td>IIIIIII</td>
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</tbody>
</table>
**Applications**
- Indoor/Outdoor general use
- For use in sealing around electrical boxes, flashings, and mast service entries.
- Permanently soft and will adhere to most clean dry surfaces

**Product Features**
- Gray color
- Non-Corrosive: safe for metals and plastics
- Non-Irritant to skin
- Paintable
- Recommended temperature range: 25°F to +120°F
- Temperature tolerance range: -30°F to +175°F
- Will not slump at +275°F

**Duct Sealing Compound**

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<td>DS-5LB</td>
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**Compression Connectors - Steel**

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<th>C</th>
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**Compression Connectors - Raintight**

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**Compression Connectors - Rainlight**

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<th>B</th>
<th>C</th>
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EMT CONNECTORS & COUPLINGS

**Compression Couplings - Steel**

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<th>D</th>
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**Indenter Connectors**

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<th>C</th>
<th>D</th>
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**Indenter Couplings**

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**EMT HANDY ELLS**

**90° Handy Eills - Couplings**

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**90° Handy Eills - Connectors**

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**Detailed Drawings**

### Compression Couplings

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<td>1/8&quot;</td>
<td></td>
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<td>4-9/32&quot;</td>
<td>1/8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

- **A**: Overall length
- **B**: Compression nut O.D. across flats
- **C**: Body hex width
- **D**: Throat I.D.

### Compression Offset Connectors

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<td>15/32&quot;</td>
<td>1-1/2&quot;</td>
<td>14/16&quot;</td>
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<tr>
<td>1953</td>
<td>2-15/32&quot;</td>
<td>15/32&quot;</td>
<td>1-5/32&quot;</td>
<td>3/4&quot;</td>
<td>14/16&quot;</td>
</tr>
</tbody>
</table>

- **A**: Overall length
- **B**: Thread length
- **C**: Threaded hub O.D.
- **D**: Threads NPSM
- **E**: Nut across flat

### Malleable Iron

**90° Short Angle Connectors**

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<th>C</th>
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<th>E</th>
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</thead>
<tbody>
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<td>2072</td>
<td>1-3/8&quot;</td>
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<td>1-3/32&quot;</td>
<td>1/2&quot;</td>
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<td>2073</td>
<td>1-3/8&quot;</td>
<td>15/32&quot;</td>
<td>1-19/32&quot;</td>
<td>1-15/32&quot;</td>
<td>9/16&quot;</td>
</tr>
</tbody>
</table>

- **A**: Compression nut O.D.
- **B**: Compression nut I.D.
- **C**: Length to end of nut
- **D**: Length to end of thread
- **E**: Thread length and thread spec.
- **F**: Thread I.D.

### EMT Connectors & Combination Couplings

**Two-Piece Connectors**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<tbody>
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<td>1/16&quot;</td>
<td>15/16&quot;</td>
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<tr>
<td>2707</td>
<td>13/16&quot;</td>
<td>1-5/16&quot;</td>
<td>1-1/16&quot;</td>
<td>13/16&quot;</td>
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</tbody>
</table>

- **A**: Overall length
- **B**: O.D. of body
- **C**: O.D. of nut
- **D**: I.D. of throat

**EMT - Rigid - Couplings Threaded/Compression**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</thead>
<tbody>
<tr>
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<td>1-11/32&quot;</td>
<td>1-1/8&quot;</td>
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<tr>
<td>1353</td>
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<td>3/16&quot;</td>
<td>1-11/32&quot;</td>
<td>1-1/8&quot;</td>
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<tr>
<td>1354</td>
<td>1-17/32&quot;</td>
<td>1-1/32&quot;</td>
<td>1-15/32&quot;</td>
<td>1-7/16&quot;</td>
</tr>
</tbody>
</table>

- **A**: O.D. of hub
- **B**: Thread I.D.
- **C**: Overall length
- **D**: Nut O.D.

**EMT - Rigid Connectors Set Screw**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
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<td>1402, 1402-B</td>
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<td>1-1/4&quot;</td>
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<td>1-3/4&quot;</td>
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</tbody>
</table>

- **A**: Overall length
- **B**: I.D. of flat
- **C**: Nut O.D.
- **D**: Screw spec.

**EMT - Flex Couplings Squeeze/Compression**

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<tbody>
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<tr>
<td>1484</td>
<td>1-1/8&quot;</td>
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<td>15/32&quot;</td>
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</tbody>
</table>

- **A**: Overall length
- **B**: I.D. of flat
- **C**: Nut O.D.
- **D**: Clamping range (flex side)

**EMT - Rigid - Couplings Threaded/Compression**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tr>
<td>1484</td>
<td>1-1/8&quot;</td>
<td>1-3/4&quot;</td>
<td>15/32&quot;</td>
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- **A**: Overall length
- **B**: I.D. of flat
- **C**: Nut O.D.
- **D**: Flex end O.D.

**Combination Couplings**

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<thead>
<tr>
<th>Catalog Number</th>
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<th>D</th>
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<tr>
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<td>1.961&quot;</td>
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</tbody>
</table>

- **A**: Overall length
- **B**: I.D. of flat
- **C**: Nut O.D.
- **D**: Flex end O.D.

**EMT - Rigid - Couplings Threaded/Compression**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<td>0.736&quot;</td>
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<tr>
<td>1503</td>
<td>1.157&quot;</td>
<td>0.945&quot;</td>
<td>1.961&quot;</td>
<td>0.803&quot;</td>
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</tbody>
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- **A**: Overall length
- **B**: I.D. of flat
- **C**: Nut O.D.
- **D**: Flex end O.D.
EMT CLAMPBACKS & STRAPS

**Clampbacks**

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**One Hole Push-on Straps**

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**Nail-up Straps Stamped**

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**EMT INSULATING BUSHINGS**

**Insulating Bushings**

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<th>D</th>
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**Universal Split Insulating Bushings – Polypropylene**

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RIGID AND IMC CONNECTORS & COUPLINGS

**Set Screw Connectors**

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**Set Screw Couplings**

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* A = Overall length
* B = Body O.D.

**RIGID SHORT ELBOWS**

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<th>C</th>
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<th>F</th>
<th>G</th>
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<td>5/16&quot;</td>
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* A = Hub O.D.
* B = Hub I.D.
* C = Length to outside of hub
* D = Length to end of hub
* E = Thread length
* F = Thread I.D.
* G = Thread spec.
RIGID FITTINGS
COMMERCIAL FITTINGS
RACO FITTINGS www.hubbell.com/raco/en
THREAD SPEC.

RIGID REDUCING BUSHINGS

Threaded Hubs Insulated Throat

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A = Overall length
B = O.D.
C = Thread size

RIGID LOCKNUTS

Reducing Bushings

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A = O.D./thread size
B = Thickness

Locknuts

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A = D.O./thread size
B = Thickness
**RIGID CLAMPBACKS**

**CATALOG NUMBER**

- **3512RAC**
- **3513RAC**

**A** = Overall Length

**B** = Hole diameter

**C** = Nut Flats

**D** = Hole to bend

**E** = Height

**LIQUIDTIGHT CONDUIT AND CORD CONNECTORS**

**Catologic No.**

- **3514**
- **3543**
- **3556**

**B = Thread length and thread spec.**

**C = Thread to bend**

**D = Nut to bend**

**Straight Connectors with Ground Lug**

**Catologic No.**

- **3514**
- **3543**
- **3556**

**A = Nut Flats**

**B = Thread length and thread spec.**

**C = Overall length**

**D = Lug height**
LIQUIDTIGHT CONDUIT AND CORD CONNECTORS

45° Insulated Connectors with Ground Lug

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<th>D</th>
<th>E</th>
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<td>25/32”</td>
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<tr>
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A = Nut Flats
B = Thread length and thread spec.
C = Thread to bend
D = Nut to bend
E = Lug height

90° Insulated Connectors with Ground Lug

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<th>C</th>
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A = Nut Flats
B = Thread length and thread spec.
C = Thread to bend
D = Nut to bend
E = Lug height

SEALING WASHERS

Sealing Washers - Steel

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<td>1-1/4”</td>
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A = O.D.
B = Thickness
C = I.D.
### LIQUIDTIGHT CONDUIT AND CORD CONNECTORS

#### Straight Strain Relief Cord Connectors

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<th>FORM SIZE</th>
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<td>1-1/2&quot;-11/2 NPT</td>
<td>2-11/64&quot;</td>
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</table>

**A** = Nut Flats  
**B** = Thread length and thread spec.  
**C** = Overall Length

#### 90° Strain Relief Cord Connectors

<table>
<thead>
<tr>
<th>HUB SIZE</th>
<th>FORM SIZE</th>
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<th>B</th>
<th>THREAD SPE.</th>
<th>C</th>
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<tbody>
<tr>
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<td>F1</td>
<td>1-3/8&quot;</td>
<td>1-1/16&quot;</td>
<td>1/2&quot;-14 NPT</td>
<td>35/64&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>F2</td>
<td>1-11/32&quot;</td>
<td>1/2&quot;-14 NPT</td>
<td>9/32&quot;</td>
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</tr>
<tr>
<td>3/4&quot;</td>
<td>F3</td>
<td>1-13/32&quot;</td>
<td>3/4&quot;-14 NPT</td>
<td>37/64&quot;</td>
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**A** = Nut Flats  
**B** = Thread length and thread spec.  
**C** = Thread to bend  
**D** = Nut to bend

#### Straight Strain Relief Cord Connectors - Nylon

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<th>THREAD SPE.</th>
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<td>69/64&quot;</td>
<td>3/16&quot;</td>
<td>1-3/32&quot;</td>
<td>21/64&quot;</td>
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<tr>
<td>3/8&quot;</td>
<td>F1</td>
<td>69/64&quot;</td>
<td>3/16&quot;</td>
<td>1-3/32&quot;</td>
<td>21/64&quot;</td>
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<tr>
<td>1/2&quot;</td>
<td>F2</td>
<td>1-1/4&quot;</td>
<td>17/32&quot;</td>
<td>1-5/16&quot;</td>
<td>37/64&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>F3</td>
<td>1-3/16&quot;</td>
<td>55/64&quot;</td>
<td>1-5/8&quot;</td>
<td>49/64&quot;</td>
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<td>F4</td>
<td>1-27/32&quot;</td>
<td>11/16&quot;</td>
<td>1-3/4&quot;</td>
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**A** = Nut O.D.  
**B** = Thread length  
**C** = Length to shoulder  
**D** = Nut I.D.

#### Straight Strain Relief Cord Connectors - Aluminum

<table>
<thead>
<tr>
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<th>B</th>
<th>D</th>
<th>E</th>
<th>A/C**</th>
<th>A/E**</th>
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<td>90&quot;</td>
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<td>1.00&quot;</td>
<td>1.00&quot;</td>
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<td>1.11&quot;</td>
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<td>1.10&quot;</td>
<td>64&quot;</td>
<td>1.11&quot;</td>
<td>1.00&quot;</td>
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<tr>
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<td>1.50&quot;</td>
<td>64&quot;</td>
<td>1.40&quot;</td>
<td>1.25&quot;</td>
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<td>F4</td>
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<td>1.13&quot;</td>
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**A/C** = Across corners  
**A/E** = Across flats  
**B** = Nut O.D.  
**C** = Thread length  
**D** = Nut I.D.  
**E** = Hex  
**A/C** = Length to shoulder

### DIE-CAST ZINC LIQUIDTIGHT CONNECTORS

#### Straight Connector, Insulated

<table>
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<th>CATALOG NUMBER</th>
<th>SIZE</th>
<th>A</th>
<th>B</th>
<th>THREAD SPEC.</th>
<th>C</th>
<th>D</th>
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<td>0.41&quot;</td>
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<tr>
<td>3513DC</td>
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<td>3/4&quot;-14 NPT</td>
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<td>0.71&quot;</td>
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<td>1-11-1/2 NPT</td>
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<td>1-31/64&quot;</td>
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<tr>
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<td>3526DC</td>
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**A** = Overall length  
**B** = Max. width  
**C** = Clamp range  
**D** = Throat I.D.
## DIE-CAST ZINC LIQUIDTIGHT CONNECTORS

### 90° Insulated

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>SIZE</th>
<th>A</th>
<th>B</th>
<th>THREAD SPEC.</th>
<th>C</th>
<th>D</th>
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<td>1.41</td>
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<tr>
<td>3422DC</td>
<td>1/2&quot;</td>
<td>2.27&quot;</td>
<td>1.38&quot;</td>
<td>1/2&quot; - 14 NPT</td>
<td>2.27</td>
<td>1.54</td>
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<tr>
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<td>1.69&quot;</td>
<td>3/4&quot; - 14 NPT</td>
<td>2.44</td>
<td>0.71</td>
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<tr>
<td>3424DC</td>
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<td>3.27&quot;</td>
<td>1.95&quot;</td>
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<td>3.27</td>
<td>0.95</td>
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<tr>
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<td>1 1/4&quot; - 11 1/2 NPT</td>
<td>3.57</td>
<td>1.25</td>
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<td>3426DC</td>
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### 90° Uninsulated

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<th>B</th>
<th>THREAD SPEC.</th>
<th>C</th>
<th>D</th>
</tr>
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<td>1/2&quot; - 14 NPT</td>
<td>2.27</td>
<td>1.54</td>
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<td>3542DC</td>
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<td>2.27&quot;</td>
<td>1.29&quot;</td>
<td>1/2&quot; - 14 NPT</td>
<td>2.27</td>
<td>1.54</td>
</tr>
<tr>
<td>3543DC</td>
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<td>2.44&quot;</td>
<td>1.58&quot;</td>
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<td>2.44</td>
<td>0.71</td>
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<td>0.95</td>
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<td>2.27&quot;</td>
<td>1 1/4&quot; - 11 1/2 NPT</td>
<td>3.57</td>
<td>1.25</td>
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<tr>
<td>3546DC</td>
<td>1-1/2&quot;</td>
<td>3.74&quot;</td>
<td>2.48&quot;</td>
<td>1 1/2&quot; - 11 1/2 NPT</td>
<td>3.74</td>
<td>1.41</td>
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<tr>
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### 45° Connectors

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<th>CABLE RANGE (IN.)</th>
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<th>DIM B</th>
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<td>1.25</td>
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<td>1.25</td>
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<tr>
<td>3748-6</td>
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<tr>
<td>3749-6</td>
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<tr>
<td>3766-6</td>
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<td>RED</td>
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<td>1.44</td>
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<td>3767-6</td>
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<tr>
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<td>3769-6</td>
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<tr>
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<tr>
<td>3747-6</td>
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<td>GRAY</td>
<td>750-850</td>
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<td>1.44</td>
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<tr>
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<td>BLACK</td>
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A = Overall length  
B = Clamping range  
C = Overall height  
D = Thread LB.
COLOR-CODED CORD GRIP CONNECTORS

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<th>CABLE RANGE</th>
<th>DIM A</th>
<th>DIM B</th>
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<tr>
<td>3794-1</td>
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<td>WHITE</td>
<td>.250-.350</td>
<td>2.75</td>
<td>1.25</td>
</tr>
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<td>2.75</td>
<td>1.25</td>
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<td>WHITE</td>
<td>.250-.350</td>
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<td>1.44</td>
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<td>1.75</td>
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<td>1.75</td>
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<tr>
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<td>1.75</td>
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FLEXIBLE METAL CONDUIT FITTINGS

<table>
<thead>
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<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>THREAD SPEC.</th>
<th>C</th>
<th>D</th>
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<td>1/8&quot; - 14 NPS</td>
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<td>.528</td>
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<td>1/32&quot;</td>
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<td>1/32&quot;</td>
<td>1/2&quot; - 14 NPS</td>
<td>.590</td>
<td>.855</td>
<td>.910 - 1/2&quot;</td>
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<tr>
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<td>3/32&quot;</td>
<td>3/16&quot; - 14 NPS</td>
<td>.763</td>
<td>.943</td>
<td>1.122 - 1-1/16&quot;</td>
</tr>
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<td>3/32&quot;</td>
<td>3/16&quot; - 14 NPS</td>
<td>.763</td>
<td>.943</td>
<td>1.122 - 1-1/16&quot;</td>
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<td>1.364</td>
<td>1.610 - 1/4&quot;</td>
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<td>5/32&quot; - 1/2&quot; NPS</td>
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**straight Squeeze Connector, Insulated**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>THREAD SPEC.</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<td>.640 - 1/2&quot;</td>
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<td>.855</td>
<td>.910 - 1/2&quot;</td>
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<td>1.312 - 1/4&quot;</td>
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<td>1/4&quot; - 1-1/2&quot; NPS</td>
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<td>1/4&quot; - 1-1/2&quot; NPS</td>
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<td>5.000 - 7/64&quot;</td>
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<td>3.915</td>
<td>4.560</td>
<td>7.150 - 1-1/4&quot;</td>
</tr>
</tbody>
</table>

A = Overall length  
B = Thread length and thread spec  
C = Thread LB  
D = Clamping range  
E = Minimum width body
**FLEXIBLE METAL CONDUIT FITTINGS**

### Straight DOUBLE BITE Saddle Connectors
- **Catalog No.** 3310DB
- **A** = Overall length
- **B** = O.D. body
- **C** = Thread length and thread spec

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (inches)</th>
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<tbody>
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<td>3316DB</td>
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<td>5/8</td>
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<td>33110D</td>
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<td>33112D</td>
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<td>33116D</td>
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### 90° DOUBLE BITE Saddle Connectors
- **Catalog No.** 3201DB
- **A** = Thread length
- **B** = Overall height
- **C** = Thread I.D.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>A (inches)</th>
<th>B (inches)</th>
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<tbody>
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<td>1-11/16</td>
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### 90° Squeeze Connectors
- **Catalog No.** 3201
- **A** = Overall length
- **B** = Length to end of fitting
- **C** = Clamping range
- **D** = Thread spec
- **E** = Maximum width body

<table>
<thead>
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<th>Catalog No.</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (inches)</th>
<th>D</th>
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**FLEXIBLE METAL CONDUIT FITTINGS**

### Straight Squeeze Connectors, Uninsulated
- **Catalog No.** 2191
- **A** = Length to bend
- **B** = Overall length
- **C** = Conduit opening
- **D** = Screw spec
- **E** = Thread spec

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (inches)</th>
<th>D</th>
<th>E</th>
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<tr>
<td>2192</td>
<td>1/2</td>
<td>1-1/2</td>
<td>63/64</td>
<td>NO. 8 x 5/8</td>
<td>1/2&quot;-14 NPS</td>
</tr>
<tr>
<td>2193</td>
<td>1/2</td>
<td>1-7/8</td>
<td>1-3/16</td>
<td>NO. 12 x 1</td>
<td>1-1/2-11 NPSM</td>
</tr>
<tr>
<td>2194</td>
<td>9/16</td>
<td>1-3/16</td>
<td>1-9/16</td>
<td>NO. 12 x 1</td>
<td>1-1/2-11 NPSM</td>
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<td>2195RAC</td>
<td>43/64</td>
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<td>47/64</td>
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<td>2196RAC</td>
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<td>26/32</td>
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<td>2198</td>
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<td>2-33/64</td>
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<td>2-11/16 NPSM</td>
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</table>

### 45° Squeeze Connectors, Uninsulated
- **Catalog No.** 2222
- **A** = Length to bend
- **B** = Overall length
- **C** = Conduit opening
- **D** = Screw spec
- **E** = Thread spec

<table>
<thead>
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<th>Catalog No.</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (inches)</th>
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**FLEXIBLE METAL CONDUIT FITTINGS**

### 90° Squeeze Connectors, Uninsulated
- **Catalog No.** 2931
- **A** = Thread length
- **B** = Overall length
- **C** = Clamp range
- **D** = Screw
- **E** = Thread spec

<table>
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<th>Catalog No.</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (inches)</th>
<th>D</th>
<th>E</th>
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<tbody>
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<td>25/32</td>
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<td>26/32</td>
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</tr>
<tr>
<td>2932</td>
<td>7/16</td>
<td>2-1/8</td>
<td>45/64</td>
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<td>1/2&quot;-14 NPSM</td>
</tr>
<tr>
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<td>3-3/32</td>
<td>63/64</td>
<td>NO. 8 x 5/8</td>
<td>3/4&quot;-14 NPSM</td>
</tr>
<tr>
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<td>1-7/8</td>
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<td>1-27/32</td>
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FLEXIBLE METAL CONDUIT FITTINGS

### Screw-in Type Connectors - Uninsulated

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<th>C</th>
<th>D</th>
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<td>3/4&quot;-14 NPSM</td>
</tr>
</tbody>
</table>

- **A**: Overall length
- **B**: Dia. across flats
- **C**: Body Dia.
- **D**: Thread spec.

### Screw-in Type Couplings

<table>
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<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tr>
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<td>1-7/32&quot;</td>
<td>53/64&quot;</td>
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</tbody>
</table>

- **A**: Overall length
- **B**: Dia. across corners
- **C**: Body Dia.

### Set Screw Connector

<table>
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<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>1/2-14 NPSM</td>
<td>3/8&quot;</td>
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- **A**: Overall length
- **B**: Thread length
- **C**: Throat Dia.
- **D**: Screw Size

### Flex EMT Squeeze Couplings

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<th>Catalog Number</th>
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<th>D</th>
<th>E</th>
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<td>1-7/64&quot;</td>
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<td>17/32&quot;-5/8&quot;</td>
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<tr>
<td>1942</td>
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<td>15/16&quot;</td>
<td>1-1/32&quot;-1-1/8&quot;</td>
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</tbody>
</table>

- **A**: Width across flex side
- **B**: Overall length
- **C**: Nut O.D.
- **D**: Nut I.D.
- **E**: Clamping range (flex side)
**FLEXIBLE METAL CONDUIT FITTINGS**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>THREAD SPEC.</th>
<th>D</th>
<th>E</th>
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A = Overall length  
B = Body across flat  
D = Thread length  
E = Nut across flat  
C = Thread spec

**ARMORED CABLE CONNECTORS**

**Set Screw Connector**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>THREAD SPEC.</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>2511</td>
<td>25/32&quot;</td>
<td>5/8&quot;</td>
<td>1/2-14 NPSM</td>
<td>3/8&quot;</td>
<td>10-24 x 1/2&quot;</td>
</tr>
</tbody>
</table>

A = Overall length  
B = Thread length  
C = Clamping range  
D = Thread spec

**Clamp Type Connector**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>THREAD SPEC.</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2601</td>
<td>23/32&quot;</td>
<td>1/8&quot;</td>
<td>3/4&quot;</td>
<td>3/8&quot;</td>
<td>1/2-14 NPSM</td>
<td>B-32 x 3/4&quot;</td>
</tr>
</tbody>
</table>

A = Length  
B = Screw centerlines  
C = Thread length  
D = Clamping range  
E = Screw

**Squeeze Type Connectors, Uninsulated**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2191</td>
<td>18/32&quot;</td>
<td>1-1/2&quot;</td>
<td>21/32&quot;</td>
<td>NO. 10x1.00</td>
<td>1/2&quot;-14 NPSM</td>
</tr>
<tr>
<td>2192</td>
<td>1/2&quot;</td>
<td>1-1/2&quot;</td>
<td>1 1/2&quot;</td>
<td>NO. 10x1.00</td>
<td>1/2&quot;-14 NPSM</td>
</tr>
<tr>
<td>2193</td>
<td>1/2&quot;</td>
<td>1-19/32&quot;</td>
<td>1-3/32&quot;</td>
<td>NO. 12x1.00</td>
<td>3/4&quot;-14 NPSM</td>
</tr>
<tr>
<td>2194</td>
<td>9/16&quot;</td>
<td>1-49/64&quot;</td>
<td>1-29/64&quot;</td>
<td>NO. 12x1.25</td>
<td>1&quot;-11-1/2 NPSM</td>
</tr>
</tbody>
</table>

A = Thread length  
B = Overall length  
C = Thread spec  
D = Screw spec  
E = Conduit opening
### Metal Clad Cable Connectors

#### Push-in Connectors

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>38RAC</td>
<td>1-7/16&quot;</td>
<td>27/32&quot;</td>
<td>13/32&quot;</td>
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<td>40RAC</td>
<td>1-7/16&quot;</td>
<td>27/32&quot;</td>
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</tr>
</tbody>
</table>

- **A**: Overall length
- **B**: Body O.D.
- **C**: Throat I.D.

#### Screw Type Cable Connectors

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
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<tr>
<td>2800</td>
<td>1-7/16&quot;</td>
<td>7/8&quot;</td>
<td>7/16&quot;</td>
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<td>2801</td>
<td>1-11/16&quot;</td>
<td>1-5/16&quot;</td>
<td>9/16&quot;</td>
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</table>

- **A**: Overall length
- **B**: Body O.D.
- **C**: Throat I.D.

### Clamp Type Cable Connectors

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Thread Spec.</th>
<th>D</th>
<th>E</th>
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<tr>
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<td>27/32&quot;</td>
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<td>3/16&quot;</td>
<td>1/2-14 NPSM</td>
<td>B-32 x 3/4&quot;</td>
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</table>

- **A**: Length
- **B**: Screw centerlines
- **C**: Thread spec.
- **D**: Clamping range
- **E**: Screw

### Double Bite Saddle Connectors

#### Straight Saddle Connectors

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<th>B</th>
<th>C</th>
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<tbody>
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<td>1-3/16&quot;</td>
<td>1-1/4&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>3302DB</td>
<td>1-3/8&quot;</td>
<td>1-1/4&quot;</td>
<td>7/16&quot;</td>
</tr>
<tr>
<td>3303DB</td>
<td>1-3/8&quot;</td>
<td>1-7/16&quot;</td>
<td>7/16&quot;</td>
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<tr>
<td>3304DB</td>
<td>1-9/16&quot;</td>
<td>1-11/16&quot;</td>
<td>1/2&quot;</td>
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<tr>
<td>3305DB</td>
<td>2-3/16&quot;</td>
<td>2-1/8&quot;</td>
<td>5/8&quot;</td>
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<tr>
<td>3306DB</td>
<td>2-7/16&quot;</td>
<td>2-1/2&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>3307DB</td>
<td>2-9/16&quot;</td>
<td>3&quot;</td>
<td>7/16&quot;</td>
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<td>3308DB</td>
<td>2-13/16&quot;</td>
<td>3-5/8&quot;</td>
<td>13/16&quot;</td>
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<td>2-13/16&quot;</td>
<td>4-1/4&quot;</td>
<td>15/16&quot;</td>
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<td>3312DB</td>
<td>2-15/16&quot;</td>
<td>4-3/4&quot;</td>
<td>1&quot;</td>
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<tr>
<td>3314DB</td>
<td>3&quot;</td>
<td>5-3/16&quot;</td>
<td>1-13/16&quot;</td>
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- **A**: Overall length
- **B**: D.O. body
- **C**: Thread length

#### 90° Saddle Connectors

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<th>Catalog Number</th>
<th>A</th>
<th>B</th>
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<tr>
<td>3320DB</td>
<td>1-3/4&quot;</td>
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<td>1&quot;</td>
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<td>3322DB</td>
<td>2-1/4&quot;</td>
<td>2-1/4&quot;</td>
<td>1-1/4</td>
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<tr>
<td>3323DB</td>
<td>2-1/2&quot;</td>
<td>2-1/2&quot;</td>
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<td>3324DB</td>
<td>2-13/16&quot;</td>
<td>2-7/8&quot;</td>
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</table>

- **A**: Thread length
- **B**: Overall length
- **C**: Throat I.D.
COMMERCIAL FITTINGS

COMMERCIAL FITTINGS
RACO FITTINGS www.hubbell.com/raco/en

NONMETALLIC SHEATHED CABLE CONNECTORS & ACCESSORIES

Nonmetallic Sheathed Cable Connector

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
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<td>5/8&quot;</td>
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A = Overall length
B = Flange O.D.

Clamp Type Cable Connectors

<table>
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<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<tbody>
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<td>1-11/64&quot;</td>
<td>5/32&quot;</td>
<td>1/2&quot;-1/4 NPSM</td>
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<tr>
<td>2663</td>
<td>15/16&quot;</td>
<td>1-1/16&quot;</td>
<td>7/8&quot;</td>
<td>27/64&quot;</td>
<td>1-21/32&quot;</td>
<td>3/4&quot;-1/4 NPSM</td>
<td>NO. 10-24 x 1&quot;</td>
</tr>
<tr>
<td>2664</td>
<td>1-7/64&quot;</td>
<td>1-7/16&quot;</td>
<td>1-3/64&quot;</td>
<td>33/64&quot;</td>
<td>1-15/32&quot;</td>
<td>5-11-1/2 NPSM</td>
<td>NO.10-24 x 1&quot;</td>
</tr>
</tbody>
</table>

A = Length
B = Screw centerlines
C = Throat I.D.
D = Thread length
E = Max. body width
F = Thread spec.
G = Screw

Clamp Type Cable Connector

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>E</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
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<td>27/32&quot;</td>
<td>7/8&quot;</td>
<td>23/64&quot;</td>
<td>3/8&quot;</td>
<td>1/2&quot;-14 NPSM</td>
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</tbody>
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A = Length
B = Screw centerlines
C = Throat I.D.
D = Thread length
E = Max. body width
F = Screw

Cable Protectors

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>2708</td>
<td>1-1/2&quot;</td>
<td>2-9/16&quot;</td>
<td>1/2&quot;</td>
<td>1/16&quot;</td>
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<tr>
<td>2709-9</td>
<td>1-1/2&quot;</td>
<td>2-9/16&quot;</td>
<td>1/2&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>2710</td>
<td>1-1/2&quot;</td>
<td>2-9/16&quot;</td>
<td>1/2&quot;</td>
<td>1/16&quot;</td>
</tr>
</tbody>
</table>

A = Cover screw spec
B = Clamp screw spec
C = Hole size
D = Depth of head

SERVICE ENTRANCE FITTINGS

Entrance Heads, Clamp Type for Rigid/IMC or EMT

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>2402</td>
<td>2-11/16&quot;</td>
<td>2-1/4&quot;</td>
<td>2-3/8&quot;</td>
<td>2-37/64&quot;</td>
<td>4 Holes 19/64&quot; Dia.</td>
<td></td>
</tr>
<tr>
<td>2403</td>
<td>2-5/16&quot;</td>
<td>2-1/4&quot;</td>
<td>2-5/32&quot;</td>
<td>2-37/64&quot;</td>
<td>3 Holes 3/8&quot; Dia., 2 Holes 7/16&quot; Dia.</td>
<td></td>
</tr>
<tr>
<td>2404</td>
<td>3-9/32&quot;</td>
<td>2-39/64&quot;</td>
<td>2-37/64&quot;</td>
<td>3-3/8&quot;</td>
<td>3 Holes 1/2&quot; Dia., 2 Holes 7/16&quot; Dia., 2 Holes 5/8&quot; Dia.</td>
<td></td>
</tr>
<tr>
<td>2405</td>
<td>3-1/4&quot;</td>
<td>3-3/32&quot;</td>
<td>3-3/32&quot;</td>
<td>4-3/32&quot;</td>
<td>3 Holes 3/4&quot; Dia., 2 Holes 1/2&quot; Dia., 1 Hole 7/8&quot; Dia.</td>
<td></td>
</tr>
<tr>
<td>2406</td>
<td>4-43/64&quot;</td>
<td>3-3/4&quot;</td>
<td>3-13/32&quot;</td>
<td>5-3/32&quot;</td>
<td>3 Holes 3/4&quot; Dia., 2 Holes 1/2&quot; Dia., 1 Hole 11/16&quot; Dia.</td>
<td></td>
</tr>
<tr>
<td>2408</td>
<td>6&quot;</td>
<td>4-1/2&quot;</td>
<td>4-13/32&quot;</td>
<td>6-19/32&quot;</td>
<td>3 Holes 3/4&quot; Dia., 2 Holes 1/2&quot; Dia., 1 Hole 11/16&quot; Dia., 1 Hole 3/4&quot; Dia.</td>
<td></td>
</tr>
</tbody>
</table>

A = Height
B = Width of clamp
C = Width of head
D = Depth of head

Entrance Heads, Clamp Type for SEU Cable

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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</thead>
<tbody>
<tr>
<td>2438</td>
<td>8-32 x 1/2&quot;</td>
<td>10-24 x 1&quot;</td>
<td>17/32&quot;</td>
<td>3-5/16&quot;</td>
<td>3-5/16&quot;</td>
<td></td>
</tr>
<tr>
<td>2440</td>
<td>12-24 x 1/2&quot;</td>
<td>12-24 x 1&quot;</td>
<td>13/16&quot;</td>
<td>4-1/2&quot;</td>
<td>5&quot;</td>
<td></td>
</tr>
</tbody>
</table>

A = Cover screw spec
B = Clamps screw spec
C = Hole size
D = Depth of head
E = Height

A = Width
B = Height
C = Thickness – measure from the lip of the tang
D = Thickness of material
COMMERCIAL FITTINGS

COMMERCIAL FITTINGS
RACO FITTINGS www.hubbell.com/raco/en

SERVICE ENTRANCE FITTINGS

Grounding

HEADERS

COMMERCIAL FITTINGS
RACO FITTINGS www.hubbell.com/raco/en

GROUNDING

Underground Feeder (UF) Connectors, Liquid Tight

CATALOG NUMBER

4899-B 1.25" 1.60" 1/2"-14
4799-1 1.32" 2.08" 1/2"-14
4799-3 1.56" 2.19" 3/4"-14
2462 1.25" 1.70" 1/2"-14

A = Nut O.D.
B = Length
C = Thread spec

Service Entrance Cable Connectors, Liquid Tight

CATALOG NUMBER

2432 2" 1-27/32" 1-21/32" 1-1/4"-11-1/2
2492 2" 1-27/32" 1-21/32" 1-1/4"-11-1/2
2496 2-3/16" 2-5/32" 1-19/32" 2-7/64" 39/64" 1-1/8"-11-1/2
2498 2-13/32" 2-37/64" 2-1/16" 2-21/32" 49/64" 2"-11-1/2
2468 2-13/32" 2-37/64" 2-1/16" 2-21/32" 49/64" 2"-11-1/2

A = Overall length
B = Nut across flat
C = Throat dia.
D = Body across flat
E = Thread length
F = Thread spec

Non-watertight Connectors for Oval or Round Cable

CATALOG NUMBER

2852/2862 1-1/2" 37/64" 3/4"-14 NPSM 1-3/16" 1-21/32" No. 10-24 x 1"
2862/2864 1-7/32" 31/64" 1/8"-11-1/2 NPSM 1-3/16" 1-21/32" No. 10-24 x 1"
2895 1-5/8" 38/64" 1-1/4"-11-1/2 NPSM 1-3/16" 1-21/32" No. 10-24 x 1"
2896 1-21/32" 19/32" 1/2"-11-1/2 NPSM 2-1/32" 2-3/32" No. 10-24 x 1"
2898 1-37/64" 41/64" 1/2"-11-1/2 NPSM 2-1/32" 3-5/32" No. 12-24 x 1"

A = Overall length
B = Height
C = Hole size
D = Width of strap
E = Inside length

One Hole Cable Straps

CATALOG NUMBER

2461 1-5/8" 37/64" 9/32" 5/8" 1-1/4"
2462 1-55/64" 3/4" 9/32" 5/8" 1-3/4"
2463 1-21/32" 1" 9/32" 1" 1-7/16"
2464 2-59/64" 1-95/64" 9/32" 1" 1-45/64"

A = Overall length
B = Height
C = Hole size
D = Width of strap
E = Inside length

RACIBB-5

1.378" 4.606" 1.575"
RACIBB

1.378" 4.606" 1.575"

Intersystem Bonding Bridge for Solid or Stranded Conductors

CATALOG NUMBER

2504 2-1/4" 5/16" 2-5/16" 11/16"-1-5/16"
2505 3-3/16" 5/16" 3-1/8" 1-3/8"-2-1/2"
2506 2-1/4" 5/16" 2-5/16" 11/16"-1-5/16"

A = Width
B = Hole diameter
C = Height
D = Min./Max. clamping range

Ground Clamps for Bare Armored Ground Wires

CATALOG NUMBER

2512 2-1/4" 2-3/8" 2-3/4" 9/16"-1-5/16"
2523 3-5/8" 2-1/2" 3-5/8" 1-3/8"-2-1/2"

A = Width
B = Length
C = Height
D = Min./Max. clamping range

Ground Clamps for 1/2" Rigid Conduit

CATALOG NUMBER

2512 2-1/4" 2-1/8" 3-1/8" 11/16"-1-3/8"
2523 3-5/8" 2-3/4" 4-3/8" 1-7/16"-2-1/2"

A = Width
B = Length
C = Height
D = Min./Max. clamping range

Ground Clamps for Bare Ground Wires

CATALOG NUMBER

2504 2-1/4" 5/16" 2-5/16" 11/16"-1-5/16"
2505 3-3/16" 5/16" 3-1/8" 1-3/8"-2-1/2"
2506 2-1/4" 5/16" 2-5/16" 11/16"-1-5/16"

A = Width
B = Hole diameter
C = Height
D = Min./Max. clamping range
### Reducing Washers

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>A</th>
<th>B</th>
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<tbody>
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### Sealing Washers - Steel

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A = Across flats  B = I.D.  C = Hub dia.  D = Thread spec  E = Thread length
HUBBELL® TAYMAC® Weatherproof products all offer these features and benefits:

- Jig-friendly die cast construction that will not allow entry of moisture into your fixtures
- All products are made to mechanical installation standards
- State-of-the-art powder coat paint for maximum weatherability and scratch resistance
- Bilingual instructions provided with every product

Points to Remember:

1. General. Conduct bodies enclosing 6 AWG conductors or smaller, or other than short-radius conduit bodies as described in 314.16(C)(3), shall have a cross-sectional area not less than twice the cross-sectional area of the largest conduit body that enters the box. The maximum number of conductors per box shall be as specified in Table 314.16(B).

2. With Splices, Taps, or Devices. Only those conduct bodies that are durably and legibly marked by the manufacturer with their volume shall be permitted to contain splices, taps, or devices. The maximum number of conductors shall be calculated in accordance with 314.16(B). Conduit bodies shall be supported in a rigid and secure manner.

3. Short Radius Conduit Contacts. Conduit bodies such as cuffed elbows and service-entrance elbows that enclose conductors 6 AWG or smaller, and serve to attach the conduit installed in the raceway and the contained conductors, shall not contain splices, taps, or devices and shall be of a size and shape as required to provide free space for all conductors enclosed in the conduit body.

4. Receptacles in a damp or wet locations. (A) Damp Locations. A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure that is weatherproof when the receptacle is covered (attachment plug cap not inserted and receptacle covers closed). An installation suitable for wet locations shall also be considered suitable for damp locations.

(B) Wet Locations. A receptacle installed outdoors in a location protected from the weather or in other damp locations shall have an enclosure that is weatherproof when the receptacle is covered (attachment plug cap not inserted and receptacle covers closed). The calculations where they enter a box from a domed or hickey stud, or similar canopy and terminate within that box, shall be considered suitable for damp locations.

Exception: In bathrooms with less than the required zone the receptacle(s) shall be permitted to be installed adjacent to the bathtub rim or shower stall threshold on the farther wall within the zone.

(C) Protection for Floor Receptacles. Stamped or floor receptacles shall allow four-clearing to be accomplished without damage to fixtures.

(D) Flash Mounting with Faceplate. The enclosure for a receptacle installed in an outlet box as described in (A) mount with a faceplate so that the enclosure is weatherproof whether or not installed in an outdoor enclosure.

5. Volume Allowance Required per Conductor. The volume allowance required per conductor shall be based on the largest conductor in the box. The calculated volume shall be added to the nominal volume of the box. The volume allowance provided for each conductor shall be in accordance with Table 314.16(B). The volume allowance provided for each conductor shall be in accordance with Table 314.16(B).

6. Each wire coming into the box and connecting to a device counts as one wire of that size. When the wires coming into the box, the total conductor count must be increased by two for each mounting strap. The volume allowance provided for each conductor shall be in accordance with Table 314.16(B).

Example—TAYMAC® Weatherproof Supply power to a single switch with #4 conductors. Metal conduit will be used as the wire way. You must provide space for four conductors (two in the raceway, two in the switch box). Totally a conductor count of 6. Read the line in Table 314.16(B) for a #4 conductor. Multiply 6 times the line for a total of 36. For each conductor for a #4 conductor 2.03. This example requires a minimum box of 12.0 cubic inches.
### 1-GANG

**APPLICATIONS**
- Designed to provide weatherproof protection while an outlet is in use

**PRODUCT FEATURES**
- High-impact polycarbonate construction provides maximum durability
- Quick-Fit keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Universal Fit Adapter System Technology (U-Fast) for 16-in-1 configurations, comes pre-configured for GFCI
- Lockable tab (fits up to 1/8” shackle / Extra Duty covers fit up to 1/4” shackle)

**COMPLIANCES**
- **NEMA 3R rated**
- **UL File E116141**
- **2014/2017 NEC® 406.9 (A) compliant**
- **2014/2017 NEC® 406.9 (B) compliant (Extra Duty)**

### 2-GANG

**APPLICATIONS**
- Designed to provide weatherproof protection while an outlet is in use

**PRODUCT FEATURES**
- High-impact polycarbonate construction provides maximum durability
- Quick-Fit keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI
- Lockable tab (fits up to 1/8” shackle)
- Made in USA

**COMPLIANCES**
- **UL File E116141**
- **2014/2017 NEC® 406.9 (A) compliant Extra Duty MM420C and MM740D**
- **2014/2017 NEC® 406.9 (B) compliant (Extra Duty MM420C and G)**
- **NEMA 3R rated**
- **MM7420G pre-configured for Duplex, MM7420C pre-configured for GFCI**

<table>
<thead>
<tr>
<th>CATALOG #</th>
<th>DESCRIPTION</th>
<th>DEPTH</th>
<th>COLOR</th>
<th>PKG. TYPE</th>
<th>STD. PKG.</th>
<th>BARCODE</th>
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**16-1 CONFIGURATIONS**

**CATALOG #**
- MM420C
- MM420G
- MM420W
- MM720C
- MM720G
- MM610C
- MM610G
- MM610W
- MM510C
- MM510G
- MM710C
- MM710G
- MM720G

**55-1 CONFIGURATIONS**

**CATALOG #**
- MM7420C
- MM7420G
- MM7420W
- MM7420CW
- MM410C
- MM410G
- MM410W
- MM410CW
- MM410CA

**40-1 CONFIGURATIONS**

**CATALOG #**
- MM7440C
- MM7440G
- MM7440W
- MM7440CW

**File E116141**

**See end of section (P G24) for detailed drawings**
**APPLICATIONS**
- For use wherever weatherproof protection is required
- For an outdoor receptacle or switch

**PRODUCT FEATURES**
- High-impact polycarbonate construction provides maximum durability.
- Quick-Fit keyhole mounting system allows installation in under a minute.
- Includes attached gasket and mounting hardware.
- Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI.
- Lockable tab (fits up to 1/8” shackle).
- Made in USA.

**COMPLIANCES**
- 2014 NEC® Article 406.9 (A) compliant (MM1410C, G, and W).
- NEMA 3R rated.

**APPLICATIONS**
- Expandable design for weatherproof protection while an outlet is in use.
- Revolutionary patented design expands from 1” to 3” for in-use needs.
- 100% paintable surface.
- Ultra rugged polycarbonate & synthetic neoprene rubber will not dry rot, crack or deteriorate in sunlight.
- Includes attached gasket and mounting hardware.
- Quick-Fit keyhole mounting system allows installation in under a minute.
- Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI.

**COMPLIANCES**
- 2014/2017 NEC® 406.9 (A) compliant.
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty®).
- NEMA 3R rated.

**CATALOG #**

**DESCRIPTION**

**DEPTH**

**COLOR**

**PKG. TYPE**

**STD. PKG.**

**BARCODE**

**CUTAWAY VIEW**

**CONFIGURATIONS**

**1-GANG**

MM110C

MM110G

MM110W

**2-GANG**

MM1410C

MM1410G

MM1410W

**16-IN-1**

**CONFIGURATIONS**

**1-GANG**

ML500G

ML500W

ML500Z

**2-GANG**

ML2500G

ML2450G

**55-IN-1**

**CONFIGURATIONS**

Multiple Combinations of GFCI, Duplex, Switch, and Rounds:

---

**FILE E116141**

**RMX1410**

**RMX2410**

**MM1410**

**MX6200**

**MX7280**

**9’ s**

**8’ s**

**SEE END OF SECTION (PG 22) FOR DETAILED DRAWINGS**
**APPLICATIONS**
- In-use weatherproof enclosures can be used in new or old work, and are compatible with common siding types and materials such as vinyl, wood, stucco, brick or block

**PRODUCT FEATURES**
- Mounts horizontally or vertically
- Accommodates duplex, GFCI or round receptacle (not included)
- Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI
- Electrical box and siding flange included
- For all common siding types and materials (vinyl, wood, stucco, brick or block)
- Installation instructions and mounting hardware included

**COMPLIANCES**
- File E313240
- 2014/2017 NEC® 406.9 (A) compliant
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)

---

**APPLICATIONS**
- Provides safe, code-compliant way to add an outlet to raised outdoor floors
- Suitable for lights, fans, device chargers and other electric appliances
- Protects from water spray, rain or snow
- Cost effective upgrade for today's outdoor living

**PRODUCT FEATURES**
- Provides convenient power access on raised wood or composite decks and porches
- Low profile design meets ADA standards, includes beveled edge and slip-resistant texture
- Heavy duty UV-resistant polycarbonate for durability even in harsh environments
- Cord hooks hold two power cords in place, including most 16 gauge grounded extension cords
- Fits standard duplex, decorator and GFCI receptacles
- Rain channel and "drip loop" design provide two levels of in-use protection
- Pre-attached weatherproof gasket keeps water from entering around the self-closing lid

**COMPLIANCES**
- Listed
- NEC & NEMA 3R Compliant
WEATHERPROOF

APPLICATIONS
- Receptacle and cover combos for use whenever weatherproof protection is required while receptacle is in use

PRODUCT FEATURES
- High quality Hubbell WR/TR device included
- Quick-Fit keyhole mounting system allows cover installation in under a minute
- Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI
- Includes attached gasket and hardware
- Includes receptacle and cover
- Installation instructions and mounting hardware included

COMPLIANCES
- NEMA 3R rated
- File E313240
- 2014/2017 NEC® 406.9 (A) compliant
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
- 2014/2017 NEC® 406.9 (A) compliant
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
- NEMA 3R rated

CATALOG # DESCRIPTION DEPTH COLOR PKG. TYPE STD. PKG. BARCODE
MD410C Includes Self Test GFCI 2.75" Clear Shrink 4 IIIIIIII
MG500GS Includes Self Test GFCI 3.25" Clear Shrink 8 IIIIIIII
MG420CS Includes Self Test GFCI 3" Gray Shrink 8 IIIIIIII
MG510CS Includes Self Test GFCI 3.5" Clear Shrink 8 IIIIIIII

APPLICATIONS
- Receptacle and metal cover combos for use whenever weatherproof protection is required

PRODUCT FEATURES
- High quality Hubbell WR/TR device included
- Heavy duty die-cast metal construction
- Includes gasket and mounting hardware
- Durable powder coat finish
- Lockable tab
- Includes receptacle and cover

COMPLIANCES
- NEMA 3R rated
- File E212332
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
- NEMA 3R rated

CATALOG # DESCRIPTION DEPTH COLOR PKG. TYPE STD. PKG. BARCODE
MD802-0 Extra Duty® Hubbell WR/TR 15A GFCI/Expandable Cover Combo 3" to 3.5" Gray Shrink 3 IIIIIIII
MG801-0 Extra Duty® Hubbell WR/TR 15A GFCI/Expandable Cover Combo 3" to 3.5" Gray Shrink 3 IIIIIIII
MG5802-0 Extra Duty® Hubbell WR/TR 15A GFCI/Expandable Cover Combo 3" to 3.5" Gray Shrink 3 IIIIIIII
MD881-0 Extra Duty® Hubbell WR/TR 15A Duplex/Vertical In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII
MG5881-0 Extra Duty® Hubbell WR/TR 15A GFCI/Vertical In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII
MD5802-0 Extra Duty® Hubbell WR/TR 15A Duplex/Horizontal In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII
MG5802-0 Extra Duty® Hubbell WR/TR 15A GFCI/Horizontal In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII

APPLICATIONS
- Receptacle and metal cover combos for use whenever weatherproof protection is required

PRODUCT FEATURES
- High quality Hubbell WR/TR device included
- Heavy duty die-cast metal construction
- Includes gasket and mounting hardware
- Durable powder coat finish
- Lockable tab
- Includes receptacle and cover

COMPLIANCES
- NEMA 3R rated
- File E212332
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)

CATALOG # DESCRIPTION DEPTH COLOR PKG. TYPE STD. PKG. BARCODE
MD802-0 Extra Duty® Hubbell WR/TR 15A GFCI/Expandable Cover Combo 3" to 3.5" Gray Shrink 3 IIIIIIII
MG801-0 Extra Duty® Hubbell WR/TR 15A GFCI/Expandable Cover Combo 3" to 3.5" Gray Shrink 3 IIIIIIII
MG5802-0 Extra Duty® Hubbell WR/TR 15A GFCI/Expandable Cover Combo 3" to 3.5" Gray Shrink 3 IIIIIIII
MD881-0 Extra Duty® Hubbell WR/TR 15A Duplex/Vertical In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII
MG5881-0 Extra Duty® Hubbell WR/TR 15A GFCI/Vertical In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII
MD5802-0 Extra Duty® Hubbell WR/TR 15A Duplex/Horizontal In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII
MG5802-0 Extra Duty® Hubbell WR/TR 15A GFCI/Horizontal In-Use Metal Cover Combo 3" Gray Shrink 4 IIIIIIII

APPLICATIONS
- Receptacle and metal cover combos for use whenever weatherproof protection is required

PRODUCT FEATURES
- High quality Hubbell WR/TR device included
- Heavy duty die-cast metal construction
- Includes gasket and mounting hardware
- Durable powder coat finish
- Lockable tab
- Includes receptacle and cover

COMPLIANCES
- NEMA 3R rated
- File E212332
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
- 2014/2017 NEC® 406.9 (B) compliant (Extra Duty)
WEATHERPROOF

1 3/8”

1 9/16”

www.hubbell.com/taymac/en C13

Switch

1 3/4”

WEATHERPROOF

• COMPLIANCES

• APPLICATIONS

• Designed to provide weatherproof protection while an outlet is in use

• Heavy duty die-cast metal construction

• Meets or exceeds Extra Duty® specifications

• Quick-Fit keyhole mounting system allows cover installation in under a minute

• Includes gasket and mounting hardware

• Universal Fit Adapter System Technology (6-Fast) comes pre-configured for GFCI

• Durable powder coat finish

• Lockable tabs (fits up to 1/4” shackle)

IN-USE METAL COVERS

8 in 1

CONFIGURATIONS

MX3200

MX3300

MX6200

MX7200

Catallog # Description Depth Color PKG. TYPE STD. PKG. BARCODE

Metal In-Use Covers

MX3200 Extra Duty® Vertical 8 in-1 3.125” Gray Shrink 4 HHHH

MX3300 Extra Duty® Horizontal 8 in-1 3.5” Gray Shrink 4 HHHH

MX6200 Extra Duty® 2-Gang 55 in-1 3.5” Gray Shrink 4 HHHH

MX7200 Extra Duty® Jumbo 2-Gang 55 in-1 5.125” Gray Shrink 2 HHHH

8 in 1

 CONFIGURATIONS

MX4280S

MX4380S

MX5280S

MX7280S

Catallog # Description Depth Color PKG. TYPE STD. PKG. BARCODE

Metal Low Profile In-Use Covers

MX4280S Extra Duty® Vertical 8 in-1 2” to 3-1/2” Gray Shrink 6 HHHH

MX4280WH Extra Duty® Vertical 8 in-1 2” to 3-1/2” White Shrink 6 HHHH

MX4280Z Extra Duty® Vertical 8 in-1 2” to 3-1/2” Black Shrink 6 HHHH

MX4380S Extra Duty® Horizontal 8 in-1 2” to 3-1/2” Gray Shrink 4 HHHH

MX5280S Extra Duty® Vertical Deep 8 in-1 2-1/2” to 4-1/2” Gray Shrink 2 HHHH

MX7280S Extra Duty® Vertical 2-Gang 55 in-1 2” to 1-1/2” Gray Shrink 2 HHHH

IN-USE LOW PROFILE METAL COVERS

8 in 1

CONFIGURATIONS

MX4280S

MX4380S

MX5280S

MX7280S

8 1

CONFIGURATIONS

MX3200

MX3300

MX6200

MX7200

Catallog # Description Depth Color PKG. TYPE STD. PKG. BARCODE

Metal In-Use Covers

MX3200 Extra Duty® Vertical 8 in-1 3.125” Gray Shrink 4 HHHH

MX3300 Extra Duty® Horizontal 8 in-1 3.5” Gray Shrink 4 HHHH

MX6200 Extra Duty® 2-Gang 55 in-1 3.5” Gray Shrink 4 HHHH

MX7200 Extra Duty® Jumbo 2-Gang 55 in-1 5.125” Gray Shrink 2 HHHH

8 in 1

 CONFIGURATIONS

MX4280S

MX4380S

MX5280S

MX7280S

Catallog # Description Depth Color PKG. TYPE STD. PKG. BARCODE

Metal Low Profile In-Use Covers

MX4280S Extra Duty® Vertical 8 in-1 2” to 3-1/2” Gray Shrink 6 HHHH

MX4280WH Extra Duty® Vertical 8 in-1 2” to 3-1/2” White Shrink 6 HHHH

MX4280Z Extra Duty® Vertical 8 in-1 2” to 3-1/2” Black Shrink 6 HHHH

MX4380S Extra Duty® Horizontal 8 in-1 2” to 3-1/2” Gray Shrink 4 HHHH

MX5280S Extra Duty® Vertical Deep 8 in-1 2-1/2” to 4-1/2” Gray Shrink 2 HHHH

MX7280S Extra Duty® Vertical 2-Gang 55 in-1 2” to 1-1/2” Gray Shrink 2 HHHH
WEATHERPROOF ACCESSORIES

APPLICATIONS
- Use in conjunction with other weatherproof products

WEATHERPROOF WEATHERPROOF WEATHERPROOF

ACCESSORIES CONDUIT BODIES

• APPLICATIONS

---

Gaskets
---

Round Box Adapter
---

Ground Spike
---

Plastic Round Box Adapter (Use to install outdoor device cover on round receptacle box)

---

RIGID/IMC CONDUIT BODIES

- APPLICATIONS
  • For use with threaded Rigid/IMC conduit for pulling access or to split a run into multiple directions. Removable cover included with complete assemblies allow access for maintenance and making taps and splices to conductors.

PRODUCT FEATURES
- Durable die-cast aluminum construction
- Premium powder coat finish
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws

COMPLIANCES
- NEC® compliant
- NEMA 3R rated

---

File E331564

---

2014 NEC® compliant

---

NEMA 3R rated

---

See end of section (PG C29) for detailed drawings

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See end of section (PG C30-C31) for detailed drawings
**APPLICATIONS**
- For use with threaded Rigid/IMC conduit for pulling access or to split a run into multiple directions. Removable cover included with complete assemblies allow access for maintenance and making taps and splices to conductors.

**PRODUCT FEATURES**
- Durable die-cast aluminum construction
- Premium powder coat finish
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws

**COMPLIANCES**
- File E331564
- 2014 NEC® compliant
- NEMA 3R rated

**CONDUIT BODIES**

**RIGID/IMC CONDUIT BODIES**

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**CONDUIT BODIES**

**PRODUCT FEATURES**
- Durable die-cast aluminum construction
- Premium powder coat finish
- Combination head set screws
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws

**COMPLIANCES**
- File E331564
- 2014 NEC® compliant
- NEMA 3R rated
### EMT Conduit Bodies

**Applications**
- For use with EMT conduit for pulling access or to split a run into multiple directions. Removable cover included with complete assemblies allow access for maintenance and making taps and splices to conductors.

**Product Features**
- Durable die-cast aluminum construction
- Premium powder coat finish
- Combination head set screws
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws.

**Compliances**
- UL File E331564
- 2014 NEC® compliant
- NEMA 3R rated

**Catalog Numbers and Descriptions**

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**Product Features** (continued)
- Premium powder coat finish
- Combination head set screws
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws.

**Compliances** (continued)
- UL File E331564
- 2014 NEC® compliant
- NEMA 3R rated

### Combo (Rigid/IMC or EMT) Conduit Bodies

**Applications**
- For use with threaded Rigid/IMC or EMT conduit for pulling access or to split a run into multiple directions. Removable cover included with complete assemblies allow access for maintenance and making taps and splices to conductors.

**Product Features** (continued)
- Durable die-cast aluminum construction
- Premium powder coat finish
- Combination head set screws
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws.

**Compliances** (continued)
- UL File E331564
- 2014 NEC® compliant
- NEMA 3R rated

**Catalog Numbers and Descriptions**

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**End of Section** (Page C16-C18) for Detailed Drawings
**APPLICATIONS**

- For use with EMT conduit for pulling access or to split a run into multiple directions. Removable cover included with complete assemblies allow access for maintenance and making taps and splices to conductors.

**PRODUCT FEATURES**

- Durably die-cast aluminum construction
- Premium powder coat finish
- Combination head set screws
- Complete assemblies include a NBR synthetic rubber gasket and a stamped aluminum cover with combination head screws.

**COMPLIANCES**

- E331564
- 2014 NEC® compliant
- NEMA 3R rated

---

**COMBO (RIGID/IMC OR EMT) BODIES**

- Combo Conduit Fittings: LL Body
- Combo Conduit Fittings: LR Body
- Combo Conduit Fittings: T Body

**PRODUCT FEATURES**

- Combination head made of NBR synthetic rubber gasket included
- Rubber gasket
- Retained combination head screws included
- Gasket made of NBR synthetic rubber

**COMPLIANCES**

- E331564
- 2014 NEC® compliant
- NEMA 3R rated

---

**CONDUIT BODY COVERS**

- Stamped Steel Cover
- Stamped Aluminum Cover

**PRODUCT FEATURES**

- Covers made of durable stamped steel or aluminum construction
- Retained combination head screws included with covers
- Gasket made of NBR synthetic rubber

**COMPLIANCES**

- E331564
- 2014 NEC® compliant
- NEMA 3R rated

---

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**APPLICATIONS**
- For rigid/IMC or EMT. Configures to all standard bodies (LB, LR, LL, T, C)
- Unique interchangeable panels can be configured to LB, LR, LL, T or C

**PRODUCT FEATURES**
- Suitable for weatherproof installs
- Use set screws for EMT conduit, and threaded hubs for threaded Rigid/IMC conduit or fittings
- Available in trade sizes 1/2", 3/4" and 1"
- Lightweight, Durable TAYMAC TUFF Die Cast Aluminum Construction
- Seamless pre-affixed gasket and self-aligning covers/panels
- More wiring capacity than standard bodies and meets 2014 NEC 314.16(C)(2) for volume marking
- Tri-combo head set screws
- Unique design lends to easy, time-saving installations
- Captive screws with attached O-ring for ease of use and a weatherproof seal
- Includes 4 steel reducer bushings in the 1" size: (2) 1" to 3/4", (2) 1" to 1/2"; (2) 3/4" to 1/2" bushings in the 3/4" size
- Not suitable for use in hazardous location applications
- Includes (1) body, (3) blank covers/panels, (1) T panel, (1) LL/LB/LR panel, reducer bushings*, (1) closure plug and extra hardware

**COMPLIANCES**
- UL File E331564
- NEC® and NEMA 3 compliant

---

**UNIVERSAL CONDUIT BODIES**

**10 in 1 CONFIGURATIONS**

**CONDUIT BODIES**

**APPLICATIONS**
- For rigid/IMC or EMT. Configures to all standard bodies (LB, LR, LL, T, C)

**PRODUCT FEATURES**
- Unique interchangeable panels can be configured to LB, LR, LL, T or C
- Suitable for weatherproof installs
- Use set screws for EMT conduit, and threaded hubs for threaded Rigid/IMC conduit or fittings
- Available in trade sizes 1/2", 3/4" and 1"
- Lightweight, Durable TAYMAC TUFF Die Cast Aluminum Construction
- Seamless pre-affixed gasket and self-aligning covers/panels
- More wiring capacity than standard bodies and meets 2014 NEC 314.16(C)(2) for volume marking
- Tri-combo head set screws
- Unique design lends to easy, time-saving installations
- Captive screws with attached O-ring for ease of use and a weatherproof seal
- Includes 4 steel reducer bushings in the 1" size: (2) 1" to 3/4", (2) 1" to 1/2"; (2) 3/4" to 1/2" bushings in the 3/4" size
- Not suitable for use in hazardous location applications
- Includes (1) body, (3) blank covers/panels, (1) T panel, (1) LL/LB/LR panel, reducer bushings*, (1) closure plug and extra hardware

**COMPLIANCES**
- UL File E331564
- NEC® and NEMA 3 compliant

---

**CATALOG # | DESCRIPTION | VOLUME | SHIP CTN QTY | PKG. TYPE | BARCODE**
---|---|---|---|---|---
UCB050 | 1/2" Universal Conduit Body | 5.8 cu in (95 cc) | 10 | Shrink Wrap | 111111
UCB075 | 3/4" Universal Conduit Body | 9.5 cu in (156 cc) | 10 | Shrink Wrap | 111111
UCB100 | 1" Universal Conduit Body | 14.3 cu in (234 cc) | 10 | Shrink Wrap | 111111

---

**NONMETALLIC IN-USE COVERS**

**COMIENCES**
- UL File E331564
- NEC® and NEMA 3 compliant

---

**CATALOG # | DESCRIPTION | VOLUME | SHIP CTN QTY | PKG. TYPE | BARCODE**
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MM420 | 5.54" | 3.00" | 10 | Shrink Wrap | 111111
MM410 | 5.54" | 3.07" | 10 | Shrink Wrap | 111111
MM720 | 5.54" | 5.92" | 10 | Shrink Wrap | 111111
MM510 | 5.54" | 3.62" | 10 | Shrink Wrap | 111111
MM710 | 5.54" | 5.08" | 10 | Shrink Wrap | 111111

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* 1/2" trade size does not include reducer bushings.
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<th>Material</th>
<th>Description</th>
</tr>
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### EAT/ET

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<th>Style</th>
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<th>Description</th>
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### CATALOG NUMBER

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th></th>
<th>F</th>
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<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### TRADED SIZE

- **1-1/2"**
- **1/2"**
- **1"**

### SIZE

- **ELL100**
- **ELL102**
- **ELL104**

### MAXIMUM WIRE FILL

- **3 # 4 AWG MAX**
- **3 # 2 AWG MAX**
- **3 # 250 MAX**

### HOLES

- **#5/16-24UN**
- **#12-24UNC**
- **#8-32UNC**

### HOLE SURFACE

- **POWDER-COATED**
- **DIE-CAST ALUMINUM**

### THROAT DIA

- **1:2**

### DRAWN

- **XIE XIN DONG**
- **YUAN YA JUN**

### APPROVED

- **XIE XIN DONG**
- **YUAN YA JUN**

### TOLERANCE UNLESS SPECIFIED

- **±0.025 [0.64]**
- **±0.050 [1.27]**

### SET SCREW (6X)

- **1/4-20**

### SHEET OF SCALE

- **01**
- **1234**
### Detailed Drawings

#### COLR/CLR

<table>
<thead>
<tr>
<th>Size</th>
<th>COLR</th>
<th>CLR</th>
<th>MAX. WIRE SIZE</th>
<th>VOLUME</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot; ~ 2&quot;</td>
<td>Combo</td>
<td>T</td>
<td>2 # 2/0</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
<tr>
<td>1/2&quot; ~ 1&quot;</td>
<td>Combo</td>
<td>T</td>
<td>2 # 2/0</td>
<td></td>
<td>Die-Cast Aluminum</td>
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</table>

#### COTICT (cont.)

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<thead>
<tr>
<th>Style</th>
<th>PART</th>
<th>SIZE</th>
<th>NO.</th>
<th>LENGTH</th>
<th>FINISH</th>
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<tr>
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<tr>
<td>1</td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

#### SSC Stamped Steel Cover

<table>
<thead>
<tr>
<th>Size</th>
<th>COVER TYPE</th>
<th>THREAD</th>
<th>VOLUME MAXIMUM</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot; ~ 2&quot;</td>
<td>Combo T</td>
<td>NPSM</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
<tr>
<td>1/2&quot; ~ 1&quot;</td>
<td>Combo T</td>
<td>NPSM</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
</tbody>
</table>

#### CSC Stamped Alum. Cover (included with assemblies)

<table>
<thead>
<tr>
<th>Size</th>
<th>COVER TYPE</th>
<th>THREAD</th>
<th>VOLUME MAXIMUM</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot; ~ 2&quot;</td>
<td>Combo T</td>
<td>NPSM</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
<tr>
<td>1/2&quot; ~ 1&quot;</td>
<td>Combo T</td>
<td>NPSM</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
</tbody>
</table>

#### CRG Rubber Gasket

<table>
<thead>
<tr>
<th>Size</th>
<th>GASKET TYPE</th>
<th>THREAD</th>
<th>VOLUME MAXIMUM</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot; ~ 2&quot;</td>
<td>Combo T</td>
<td>NPSM</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
<tr>
<td>1/2&quot; ~ 1&quot;</td>
<td>Combo T</td>
<td>NPSM</td>
<td></td>
<td>Die-Cast Aluminum</td>
</tr>
</tbody>
</table>

---

**Notes:***
- TOLERANCES UNLESS SPECIFIED:
  - +/- 0.010
  - +/- 0.015
- WALL THICKNESS MUST BE MINIMUM .094. 
- POWDER-COATED GRAY INSIDE AND OUTSIDE.
- BOTTOM OF PART
- STANDARD UL SYMBOL
- ELECTRIC APPLIANCE CO; LTD.
### U • CONDUIT BODIES

#### LL/LR/LB

<table>
<thead>
<tr>
<th>Size</th>
<th>CB0100</th>
<th>CB050</th>
<th>CB075</th>
<th>CAT NUMBER</th>
<th>TRADE SIZE</th>
<th>cULus LOGO VOLUME</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>25.40</td>
<td>31.75</td>
<td>36.00</td>
<td>28.11</td>
<td>7/4-14 NPT</td>
<td>1.60</td>
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<tr>
<td>2</td>
<td>38.10</td>
<td>45.72</td>
<td>51.00</td>
<td>30.67</td>
<td>1-1/4-14 NPT</td>
<td>2.54</td>
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<tr>
<td>3</td>
<td>50.80</td>
<td>58.42</td>
<td>63.75</td>
<td>33.23</td>
<td>1-5/8-14 NPT</td>
<td>3.47</td>
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#### T

<table>
<thead>
<tr>
<th>Size</th>
<th>CAT NUMBER</th>
<th>TRADE SIZE</th>
<th>cULus LOGO VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
</tr>
<tr>
<td>2</td>
<td>10-24 UNC</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
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<tr>
<td>3</td>
<td>10-24 UNC</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
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#### C

<table>
<thead>
<tr>
<th>Size</th>
<th>CAT NUMBER</th>
<th>TRADE SIZE</th>
<th>cULus LOGO VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
</tr>
<tr>
<td>2</td>
<td>10-24 UNC</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
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<tr>
<td>3</td>
<td>10-24 UNC</td>
<td>10-32 UNF</td>
<td>10-32 UNF</td>
</tr>
</tbody>
</table>

**Notes:**
- Also marked: American National Standards Institute (ANSI) and Underwriters Laboratories Inc. (UL) markings, as well as Canadian Standards Association (CSA) and Canadian Standards Association (CSA) logos.
- Dimensions and volume values are approximate and may vary slightly.
- Conduit bodies are available in various cover styles, including blank covers.
Where applicable, BELL® products are engineered by Underwriters Laboratories and the Canadian Standards Association. Dimensional data listed in this catalog is intended for general reference with broad tolerance limits. 2020 NEC®

This catalog is intended for general reference with applicable NEC®. The rules of Section 314.16 (B) are used in determining the maximum conductor count or the minimum required volume of the box, as calculated separately. No allowance shall be required for a single 50 mm (2 in.) device box as described in Table 314.16A, which have that volume larger than is designated in the table below: 

<table>
<thead>
<tr>
<th>Conductor Fill</th>
<th>Volume Allowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.2</td>
</tr>
<tr>
<td>B</td>
<td>0.5</td>
</tr>
<tr>
<td>C</td>
<td>0.75</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>1.5</td>
</tr>
<tr>
<td>F</td>
<td>4.6</td>
</tr>
</tbody>
</table>

氨酸 ecological and mechanical properties, creating a single volume allowance in accordance with 314.16A. A conductor fill shall be calculated using Table 314.16(A). A conductor, no part of which leaves the box, shall not be counted. 

Note: An equipment grounding conductor or equipment bonding jumper that enters the box, based on the largest conductor connected to a Table 314.16B. A conductor shall be supported in a rigid and secure manner. 

3. Short Radius Conduit Bodies. Conduit bodies such as copper elbows, and service entrance elbows that enclose conductors 6 AWG or smaller, and are only intended to enable the installation of the wiring in the conduit, shall not enclose splices, taps, or devices and shall be of an approved size to provide free space for all conductors encased in the conduit. 

3. Conductor Fill. Where there is more than one internal cable clamp, whether factory or field supplied, are present in the box, a single volume allowance in accordance with Table 314.16B shall be made for the largest conductor present in the box. No allowance shall be required for a cable connector with its clamping mechanism outside the box.

3. Support Fillings. Where more than one external internal cable clamp, whether factory or field supplied, are present in the box, a single volume allowance in accordance with Table 314.16B shall be made for each type of fitting based on the largest conductor present in the box. 

4. Device or Equipment Fill. For each yoke or strap containing one or more devices, or equipment, a double volume allowance in accordance with Table 314.16B shall be made for each yoke or strap based on the largest conductor connected to a device(s) or equipment supported by yoke or strap. The maximum conductor count of a single 50 mm (2 in.) device box as described in Table 314.16A shall have double volume allowances provided for each group required for mounting. 

5. Equipment Grounding Conduit Fill. Where up to four equipment grounding conductors or equipment bonding jumpers enter a box, a single volume allowance in accordance with Table 314.16B shall be made based on the largest equipment grounding conductor or equipment bonding jumper entering the box. The minimum volume allowance shall be made for each additional equipment grounding conductor or equipment bonding jumper that enters the box based on the largest equipment grounding conductor or equipment bonding conductor.

6. Conduit Bodies. (1) General. Conduit bodies enclosing 6 AWG conductors or smaller, or other than short-radius conduit bodies as described in 314.16(C), shall be made in the conduit bodies or based on the largest equipment grounding conductor or equipment bonding jumper that enters the box, based on the cross-sectional area of the largest conduit or tubing to which they can be attached. The maximum number of conductors permitted shall be the maximum number permitted by Table 11.0 Chapter 9 for the conduit or tubing to which it is attached. 

With Splices, Taps, or Devices. Only those devices and conduits bodies that are free of mechanical damage by the manufacturer with their permitted volume shall be permitted to contain splices, taps, or devices. The maximum number of conductors permitted shall be calculated in accordance with 314.16B. Conduit bodies shall be supported in a rigid and secure manner. 

The volumes in paragraphs 314.16(B) are used for calculating the maximum number of conductors permitted to be contained in a box. For each conductor for a #14 

Table 314.16B

Volume Allowance Required per Conductor

<table>
<thead>
<tr>
<th>Size of Conductor</th>
<th>Free Space Within Box</th>
<th>For Each Conductor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use</td>
<td>Free Space</td>
<td>Width</td>
</tr>
<tr>
<td>18</td>
<td>24.6</td>
<td>1.50</td>
</tr>
<tr>
<td>16</td>
<td>28.7</td>
<td>1.75</td>
</tr>
<tr>
<td>14</td>
<td>32.8</td>
<td>2.00</td>
</tr>
<tr>
<td>12</td>
<td>36.9</td>
<td>2.25</td>
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<tr>
<td>10</td>
<td>41.0</td>
<td>2.50</td>
</tr>
<tr>
<td>8</td>
<td>49.2</td>
<td>3.00</td>
</tr>
<tr>
<td>6</td>
<td>61.5</td>
<td>5.00</td>
</tr>
</tbody>
</table>

Notes to Remember:

1. No matter how many ground wires come into a box, they only count as one conductor within the box.

2. Any wire running unbroken through the box counts as one wire.

3. Each wire coming into a splice device (crimp or twist-on type) is counted as one wire.

Exception: 15- and 20-ampere, 125- through 250-volt receptacles installed in a wet location and subject to routine high-pressure spray washing shall be permitted to have an enclosure that is weatherproof for the attachment plug.

(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.8(C)(2) or (B)(7)B.)

(a) Receptacles 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 was attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

7. Button and Shower Spaces. Receptacles shall not be installed where measured 600 mm (2 ft) horizontally and 2.5 m (8 ft) vertically from the top of the tub or shower stall. Shallow installed receptacles are recommended to provide free space between the floor and the finished surface.

8. Weatherproof, Weatherproof products are made of high-quality materials that will not allow entry of moisture:

• Rugged seamless die cast construction that will not allow entry of moisture

• Reinforced connector outlets to provide a secure mechanical installation

• State-of-the-art powder coat paint for maximum weatherability and scratch resistance

• Bilingual instructions provided with every product

• Installation hardware and ground screws included where applicable

• Shrink-wrap packaging that keeps all components together

• UPC–A barcoding to help lower transaction costs

Refer to the pages that follow for more specific information about BELL® products.

National Electric Code® and NEC® is a registered trademark of the National Fire Protection Association.

Example – BELL® Weatherproof

Supply power to a single switch with #14 conductors. Metal conduit will be used as the wire way. You must provide four conductors and one switch, totally a conductor count of 6. Read across the line in Table 314.16(B) for a #14 conductor. Multiply 6 times the free space within a box. For each conductor for a #14 conductor 2.00. This example requires a minimum box of 12.0 cubic inches.
### DIE-CAST ALUMINUM BOXES

**Applications**
- For use in branch circuit wiring in wet, damp or dry locations
- May be used as a weatherproof junction box, or as a housing for receptacles, switches and GFCI's

**Product Features**
- Reinforced connector outlets
- Durable powder coat finish
- Eight box mounting options with detachable hubs provided
- Two closure plugs included
- Ground screw included
- Multilingual instructions in each package

**Compatibility**
- Internal threads on hubs comply with NEMA requirements. Hubs accept all threaded fittings and threaded conduit

### Die-Cast Aluminum Boxes

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Color</th>
<th>Outlets</th>
<th>PKG. TYPE</th>
<th>STD. PKG.</th>
<th>Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>5320-0</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>20</td>
<td>I111111</td>
</tr>
<tr>
<td>5320-1</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>White</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>20</td>
<td>I111111</td>
</tr>
<tr>
<td>5320-2</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>Bronze</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>20</td>
<td>I111111</td>
</tr>
<tr>
<td>5320-3</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Carded</td>
<td>6</td>
<td>I111111</td>
</tr>
<tr>
<td>5320-4</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>White</td>
<td>1/2&quot;</td>
<td>Carded</td>
<td>6</td>
<td>I111111</td>
</tr>
<tr>
<td>5320-5</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>Bronze</td>
<td>1/2&quot;</td>
<td>Carded</td>
<td>6</td>
<td>I111111</td>
</tr>
<tr>
<td>5320-6</td>
<td>2&quot; Deep, with Lugs - Three Threaded Outlets</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Carded</td>
<td>6</td>
<td>I111111</td>
</tr>
</tbody>
</table>

### DIE-CAST ALUMINUM EXTENSIONS AND ADAPTERS

**Applications**
- Use to provide additional capacity needed for NEC box fill requirements
- Adapters allow installer to add “take-offs” to new boxes/devices

**Product Features**
- Installation hardware, gasket, and ground screw provided
- Closure plugs provided for two and six outlet styles
- Internal threads and hubs comply with NEMA requirements. Hubs accept all threaded fittings and threaded conduit

**Compliance**
- NEMA 3R Rated

### Installation Hardware

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Color</th>
<th>Outlets</th>
<th>PKG. TYPE</th>
<th>STD. PKG.</th>
<th>Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>5406-0</td>
<td>(No ground screw provided)</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>25</td>
<td>I111111</td>
</tr>
<tr>
<td>5399-0, 5403-0</td>
<td>(Includes one closure plug)</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>20</td>
<td>I111111</td>
</tr>
<tr>
<td>5404-0 to 5404-5</td>
<td>(Includes three closure plugs)</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>20</td>
<td>I111111</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Color</th>
<th>Outlets</th>
<th>PKG. TYPE</th>
<th>STD. PKG.</th>
<th>Barcode</th>
</tr>
</thead>
<tbody>
<tr>
<td>5406-0</td>
<td>(Includes one closure plug)</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>25</td>
<td>I111111</td>
</tr>
<tr>
<td>5404-0 to 5404-5</td>
<td>(Includes three closure plugs)</td>
<td>Gray</td>
<td>1/2&quot;</td>
<td>Shrink</td>
<td>20</td>
<td>I111111</td>
</tr>
</tbody>
</table>

### weatherproof junction boxes

- 5321-0 to 5321-2
- 5322-0 to 5322-5
- 5323-0
- 5324-0
- 5385-0 to 5385-7

### weatherproof extension adapters

- 5406-0
- 5399-0, 5403-0
- 5404-0 to 5404-5

**Catalog #**

- 5414-0, 5415-0 (includes three closure plugs)

**Barcodes**

- NEMA 3R Rated

---

**Internal Threads and Hubs**

- Internal threads and hubs comply with NEMA requirements. Hubs accept all threaded fittings and threaded conduit

**Functional Features**

- Rugged die-cast construction
- Reinforced connector outlets
- Durable powder coat finish
- Installation hardware, ground screw and gasket provided
- Unique swing-arm design speeds installation. Allows the installer better visibility when lining up and threading fasteners
- Opening links in arm allow space for NEC box fill requirements
- Internal threads on hubs comply with NEMA requirements. Hubs accept all threaded fittings and threaded conduit

**Multilingual Instructions**

- Multilingual instructions in each package

---

**See End of Section (Pg 93) for Detailed Drawings**
APPLICATIONS
• For use in branch circuit wiring in wet, damp or dry locations
• May be used as a weatherproof junction box, or as a housing for receptacles, switches and GFCI’s

PRODUCT FEATURES
• Reinforced connector outlets
• Durable powder coat finish
• Eight box mounting options with detachable lugs provided
• Closure plugs included
• Ground screw installed
• Multilingual instructions in each package
• Internal threads and hubs comply with NEMA requirements. Hubs accept all threaded fittings and threaded conduit

COMPLIANCES
• File E195978
• NEMA 3R Rated

APPLICATIONS
• Used to provide additional capacity needed for NEC box fill requirements

PRODUCT FEATURES
• Rugged seamless construction
• Durable powder coat finish
• Installation hardware and gasket provided
• Multilingual instructions in each package

COMPLIANCES
• File E195978
• NEMA 3R Rated

APPLICATIONS
• For use in branch circuit wiring in wet, damp or dry locations
• Can be used as a weatherproof junction box, or as a housing for receptacles, switches and GFCI’s

PRODUCT FEATURES
• Seamless die-cast aluminum construction
• Reinforced connector outlets
• Durable powder coat finish
• Eight box mounting options with detachable lugs provided
• Four closure plugs included
• Ground screws installed
• Multilingual instructions in each package
• Internal threads and hubs comply with NEMA requirements. Hubs accept all threaded fittings and threaded conduit

COMPLIANCES
• File E195978
• NEMA 3R Rated
**Applications**
- For use in branch circuit wiring in wet, damp or dry locations
- Designed for use as a weatherproof junction box. May be used with BELL® round cluster covers and round lampholder combinations

**Product Features**
- Rugged die-cast construction
- Reinforced connector outlets
- Durable powder coat finish
- Cast-in mounting lugs provide fast, secure installation
- Includes four closure plugs, installed ground screw and multilingual instructions

**Compliances**
- UL – File E195978
- NEMA 3R Rated

---

**Round Extension Adapters**

**Applications**
- For use with 4" round splice boxes
- Extension adapters are used to increase box capacity and allow the installer to add “take-offs” to row boxes/devices

**Product Features**
- Rugged die-cast construction
- Reinforced connector outlets
- Durable powder coat finish
- Includes installation hardware, closure plugs, gasket and multilingual instructions

**Compliances**
- UL – File E195978
- NEMA 3R Rated

---

**Die-Cast Aluminum Round Splice Box and Extension Adapter**

**Applications**
- For use wherever weatherproof protection is required for an outdoor receptacle or switch

**Product Features**
- Heavy duty die-cast metal construction
- Quick-fit keyhole mounting system allows cover installation in under a minute
- Includes gasket and mounting hardware
- Universal Fit Adapter System Technology

**Compliances**
- UL – File E212332
- Meets NEC® 406.9 (A) Requirements
- NEMA 3R Rated

---

**Metal 1-Gang Device Covers**

**Applications**
- For use wherever weatherproof protection is required for an outdoor receptacle or switch

**Product Features**
- EMA 3R Rated
- Meets NEC® 406.9 (A) Requirements
METAL 1-GANG DEVICE COVERS

APPLICATION
• For use whenever weatherproof protection is required for an outdoor receptacle

PRODUCT FEATURES
• Rugged die-cast construction
• Durable powder coat finish provides maximum weatherability and scratch-resistance
• Self-closing lids assure weatherproof protection when the receptacle is not in use
• Vertical mount covers are padlockable (fits up to 3/16” shackles)
• May be mounted to box or device
• Includes installation hardware, gasket and multilingual instructions

COMPLIANCES
• – File E195978
• Meets NEC® 406.9 (A) Requirements
• NEMA 3R rated

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
5026-0 Single, 1.595” diameter Gray Shrink 24 HHHHHH
5027-0 Duplex Gray Shrink 24 HHHHHH
5028-0 GFCI Gray Shrink 24 HHHHHH
5029-0 GFCI Gray Carded 6 HHHHHH
5030-0 20A, 1.710” diameter Gray Shrink 12 HHHHHH
5031-0 20A, 1.710” diameter Gray Shrink 12 HHHHHH
5031-0 Single, 1.406” diameter Gray Shrink 12 HHHHHH

DIE-CAST ALUMINUM RAYNTITE® COVERS

APPLICATION
• For use whenever weatherproof protection is required for an outdoor receptacle

PRODUCT FEATURES
• Rugged metallic construction
• Durable powder coat finish provides maximum weatherability and scratch-resistance
• Self-closing lids assure weatherproof protection when the receptacle is not in use
• Includes installation hardware, gasket and multilingual instructions

COMPLIANCES
• – File E195978
• Meets NEC® 406.9 (A) Requirements
• NEMA 3R rated

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
5146-0 Duplex Gray Shrink 24 HHHHHH
5146-1 Duplex White Shrink 24 HHHHHH
5146-5 Duplex Gray Carded 6 HHHHHH
5103-0 GFCI Gray Shrink 24 HHHHHH
5103-1 GFCI White Shrink 24 HHHHHH
5103-2 GFCI Bronze Shrink 24 HHHHHH
5103-5 GFCI Gray Carded 6 HHHHHH
5103-8 GFCI White Carded 6 HHHHHH
5103-7 GFCI Bronze Carded 6 HHHHHH
5155-0 Single, 1.406” diameter Gray Shrink 24 HHHHHH
5155-1 Single, 1.406” diameter White Shrink 24 HHHHHH
5155-5 Single, 1.406” diameter Gray Carded 6 HHHHHH
5155-6 Single, 1.406” diameter White Carded 6 HHHHHH

VERTICAL FLIP COVERS

APPLICATION
• For use whenever weatherproof protection is required for an outdoor receptacle

PRODUCT FEATURES
• Rugged metallic construction
• Durable powder coat finish provides maximum weatherability and scratch-resistance
• Self-closing lids assure weatherproof protection when the receptacle is not in use
• Includes installation hardware, gasket and multilingual instructions

COMPLIANCES
• – File E195978
• Meets NEC® 406.9 (A) Requirements
• NEMA 3R rated

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
5095-0 Duplex Gray Shrink 24 HHHHHH
METAL 1-GANG DEVICE COVERS

APPLICATION
• For use whenever weatherproof protection is required for an outdoor receptacle

PRODUCT FEATURES
• Rugged metallic construction
• Durable powder coat finish provides maximum weatherability and scratch-resistance
• Self-closing lids assure weatherproof protection when the receptacle is not in use
• Includes installation hardware, gasket and multilingual instructions

COMPLIANCES
• UL – File E195978
• Meets NEC® 406.9 (A) Requirements
• NEMA 3R rated

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* C/UL Listed

APPLICATIONS
• For use whenever weatherproof protection is required for an outdoor receptacle or switch

PRODUCT FEATURES
• Heavy duty die-cast metal construction
• Quick-Fit keyhole mounting system allows cover installation in under a minute
• Includes gasket and mounting hardware
• Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI
• Durable powercoat finish
• Horizontal or vertical mount
• Lockable tab (fits up to 1/8" shackle)

COMPLIANCES
• UL – File E121332
• Meets NEC® 406.9 (A) Requirements
• NEMA 3R rated

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<td>MX2150S</td>
<td>1-Device 3-in-1</td>
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METAL 2-GANG DEVICE COVERS

APPLICATIONS
• For use whenever weatherproof protection is required for an outdoor receptacle or switch

PRODUCT FEATURES
• Heavy duty die-cast metal construction
• Quick-Fit keyhole mounting system allows cover installation in under a minute
• Includes gasket and mounting hardware
• Universal Fit Adapter System Technology (U-Fast) comes pre-configured for GFCI
• Durable powercoat finish
• Horizontal or vertical mount
• Lockable tab (fits up to 1/8" shackle)

COMPLIANCES
• UL – File E121332
• Meets NEC® 406.9 (A) Requirements
• NEMA 3R rated

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<td>1-Device 3-in-1</td>
<td>Gray</td>
<td>Shrink</td>
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<td>IIIIIII</td>
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</table>
### Metal Locking Cover

**Applications**
- For use whenever weatherproof protection is required for an outdoor receptacle or switch.
- Easily mounts to any 3-3/4" through 4-11/16" square box.

**Product Features**
- Heavy duty cast aluminum construction with durable enamel paint.
- Cobra Cam lock, key removal in locked and unlocked positions.
- Universal Fit Adapter System Technology (U-Fast) for 4-in-1 custom device configurations, comes pre-configured for GFCI.
- Irradiation crosslinked polyethylene foam gasket.
- 2 keys provided.
- Mounting hardware included.
- Adapters included for various devices.

**Compliance**
- File E212332.
- Meets NEC® 406.9 (A) Requirements.
- NEMA 3R rated.

### Die-Cast Aluminum Rayntite® Covers

**Application**
- For use whenever weatherproof protection is required for an outdoor receptacle.

**Product Features**
- Rugged die-cast construction.
- Durable powder coat finish provides maximum weatherability and scratch resistance.
- Self-closing lids assure weatherproof protection when the receptacle is not in use.
- Covers are padlockable (fits up to 3/16" shackle).
- May be mounted to box or device.
- Includes installation hardware, gasket and multilingual instructions.

**Compliance**
- File E295978.
- Meets NEC® 406.9 (A) Requirements.
- NEMA 3R rated.

### Catalog

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</table>
METAL 2-GANG DEVICE COVERS

APPLICATION
- For use whenever weatherproof protection is required for an outdoor receptacle

PRODUCT FEATURES
- Rugged metallic construction
- Durable powder coat finish provides maximum weatherability and scratch resistance
- Self-closing lids assure weatherproof protection when the receptacle is not in use
- Includes installation hardware, gasket and multilingual instructions

COMPLIANCES
- – File E195978
- – File E195978
- Meets NEC® 406.9 (A) Requirements
- NEMA 3R rated

CATALOG # | DESCRIPTION | COLOR | PKG. TYPE | STD. PKG. | BARCODE
--- | --- | --- | --- | --- | ---
5148-0 to 5148-5 | (2) Duplex | Gray | Shrink | 18 | IIIIIII
5148-5 | (2) Duplex | Gray | Carded | 4 | II
5157-0 | (2) Single, 1.406" dia. | Gray | Shrink | 18 | IIIIIII

5148-0 to 5148-5

MULTICONFIGURATION COVER

APPLICATIONS
- For use whenever weatherproof protection is required for an outdoor receptacle or switch

PRODUCT FEATURES
- Heavy duty die-cast metal construction
- Quick-Fit keyhole mounting system allows cover installation in under a minute
- Includes gasket and mounting hardware
- Universal Fit Adapter System Technology (U-Fast) for 125-in-1 custom device configurations, comes pre-configured for GFCI
- Durable powder coat finish
- Horizontal or vertical mount
- Lockable tab (fits up to 3/16" shackle)

COMPLIANCES
- – File E212332
- Meets NEC® 406.9 (A) Requirements
- NEMA 3R rated

CATALOG # | DESCRIPTION | COLOR | PKG. TYPE | STD. PKG. | BARCODE
--- | --- | --- | --- | --- | ---
MX3050S | J-Device 125-in-1 | Gray | Shrink | 5 | IIIII

MX3050S

METAL 3-GANG DEVICE COVERS

APPLICATIONS
- For use whenever weatherproof protection is required for an outdoor receptacle

PRODUCT FEATURES
- Rugged metallic construction
- Durable powder coat finish provides maximum weatherability and scratch resistance
- Self-closing lids assure weatherproof protection when the receptacle is not in use
- Includes installation hardware, gasket and multilingual instructions

COMPLIANCES
- – File E195978
- Meets NEC® 406.9 (A) Requirements
- NEMA 3R Rated

CATALOG # | DESCRIPTION | COLOR | PKG. TYPE | STD. PKG. | BARCODE
--- | --- | --- | --- | --- | ---
5093-0 | (3) Single, 1.406" dia. | Gray | Boxed | 1 | IIIIII

5093-0

SEE END OF SECTION (PG D40 - D41) FOR DETAILED DRAWINGS
FLIP COVER COMBOS AND COMPLETE KITS

**APPLICATION**
Receptacle and metal cover combos for use whenever weatherproof protection is required in wet, damp, or dry location

**PRODUCT FEATURES**
- High quality Hubbell WRTR device included
- Heavy duty die-cast metal construction
- Includes gasket and mounting hardware
- Durable powder coat finish
- Lockable tab (see cover listings for shackle dia.)
- Includes receptacle and cover
- Each kit is a convenient, complete weatherproof installation – no need to purchase separate components

**COMPLIANCES**
- File E212332 (MD/MG series)
- File E313240 (5839 series)
- File E346152 (5874/MK series)
- Meets NEC® 406.9 (A) Requirements
- NEMA 3R rated

---

**CATALOG #** | **DESCRIPTION** | **COLOR** | **PKG. TYPE** | **STD. PKG.** | **BARCODE**
--- | --- | --- | --- | --- | ---
5839-5WRTR | Hubbell WR/TR 15A GFCI Duplex / Vertical/Horizontal Flip Cover Combo | Gray | Shrink | 8 | IIIIIII
5839-6WRTR | Hubbell WR/TR 15A Self Test GFCI / Vertical/Horizontal Flip Cover Combo | Gray | Shrink | 6 | IIIIIII
5839-7WRTR | Hubbell WR/TR 15A GFCI Duplex / Vertical/Horizontal Flip Cover Combo | Gray | Shrink | 6 | IIIIIII
5839-5WRTR to 5874-6S | Flip Cover, WR/TR Duplex, GFCI | Gray | Box | 4 | IIIIIII
5874-5S | Self Test GFCI | Gray | Box | 4 | IIIIIII
5874-SS | Self Test GFCI | Gray | Box | 4 | IIIIIII
MK1250S, WH | GFCI Duplex | Gray | Clamshell | 4 | IIIIIII
MK1250WH | Duplex | White | Clamshell | 4 | IIIIIII

---

**METAL BOX COVERS**

**APPLICATION**
For use whenever weatherproof protection is required for a weatherproof box

**PRODUCT FEATURES**
- Rugged metallic construction
- Durable powder coat finish provides maximum weatherability and scratch-resistance

**COMPLIANCES**
- File E195978
- NEC® Compliant
- NEMA 3R Rated

---

**CATALOG #** | **DESCRIPTION** | **COLOR** | **PKG. TYPE** | **STD. PKG.** | **BARCODE**
--- | --- | --- | --- | --- | ---
5173-0 to 5173-7 | Blank Cover | Gray | Shrink | 50 | IIIII
5173-1 | Blank Cover | White | Shrink | 50 | IIIII
5173-2 | Blank Cover | Bronze | Shrink | 50 | IIIII
5173-5 | Blank Cover | Gray | Carded | 12 | IIII
5173-6 | Blank Cover | White | Carded | 12 | IIII
5173-7 | Blank Cover | Bronze | Carded | 12 | IIII
5175-0 to 5175-5 | Blank Cover | Gray | Shrink | 50 | IIIII
5177-0 | Blank Cover | Gray | Bezel | 10 | IIIII
5175-1 | Blank Cover | White | Shrink | 25 | IIIII
5175-2 | Blank Cover | Bronze | Shrink | 25 | IIIII
5175-5 | Blank Cover | Gray | Carded | 6 | IIII
5177-0 | Blank Cover | Gray | Bezel | 10 | IIIII

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**ROUND BOX COVERS**

**APPLICATION**
For use with 4” round splice boxes

**PRODUCT FEATURES**
- Rugged metallic construction
- Durable powder coat finish
- Includes installation hardware, gasket and multilingual instructions

**COMPLIANCES**
- File E195978
- NEC® Compliant
- NEMA 3R Rated

---

**CATALOG #** | **DESCRIPTION** | **COLOR** | **PKG. TYPE** | **STD. PKG.** | **BARCODE**
--- | --- | --- | --- | --- | ---
5374-0 | Round, Blank Cover | Gray | Shrink | 30 | IIIII
5374-1 | Round, Blank Cover | White | Shrink | 20 | IIIII
5374-2 | Round, Blank Cover | Bronze | Shrink | 20 | IIIII
WEATHERPROOF BOXES, COVERS AND LIGHTING

METAL ROCKERS Switch Covers

**APPLICATION**
- A convenient and stylish switch for BBQ island, patio, desk, exterior walls, pool and spa and more

**PRODUCT FEATURES**
- Convenient on/off rocker switch
- Internal elastomer membrane
- Compatible with single pole or 3-way decorator switches

**COMPLIANCES**
- **NEMA 3R Rated**

**METAL DECORATOR Switch Covers**

**APPLICATION**
- A convenient and stylish switch for BBQ island, patio, deck, exterior walls, pool and spa and more

**PRODUCT FEATURES**
- Convenient on/off rocker switch
- Internal elastomer membrane
- Compatible with single pole or 3-way decorator switches

**COMPLIANCES**
- **NEMA 3R Rated**

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* 1SA 120-277VAC single pole decorator switch included.

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WEATHERPROOF DECORATOR Switch Covers

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* 1SA 120-277VAC single pole decorator switch included.

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WEATHERPROOF BOXES, COVERS AND LIGHTING

BELL WEATHERPROOF www.hubbell.com/bell/en

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SEE END OF SECTION (PG D42) FOR DETAILED DRAWINGS
WEATHERPROOF BOXES, COVERS AND LIGHTING

DIE-CAST LAMPHOLDER/CLUSTER COVERS

APPLICATIONS
- For use with BELL® 1-Gang rectangular or round weather-proof boxes
- Cluster covers provide an easy means of mounting BELL® lampholders and other accessories

PRODUCT FEATURES
- Rugged die-cast construction
- Durable powder coat finish provides maximum weatherability and scratch-resistance
- Includes installation hardware, gasket and multilingual instructions
- Three-hole covers are supplied with two closure plugs

COMPLIANCES
- UL® - Standard 544A
- NEC® Compliant
- NEMA 3R Rated

<table>
<thead>
<tr>
<th>Rectangular Cluster Covers</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
<th>PKG. TYPE</th>
<th>STD. PKG.</th>
<th>BARCODE</th>
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<tr>
<td>$197-6</td>
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<tr>
<td>$197-7</td>
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<td>Bronze</td>
<td>Carded 6</td>
<td>IIIIIIII</td>
<td></td>
</tr>
</tbody>
</table>

4" Round Cluster Covers

| $193-0                    | (1) 1/2" Outlet | Gray    | Shrink 20 | IIIIIIII |
| $193-1                    | (1) 1/2" Outlet | White   | Shrink 20 | IIIIIIII |
| $193-2                    | (1) 1/2" Outlet | Bronze  | Shrink 20 | IIIIIIII |
| $193-5                    | (1) 1/2" Outlet | Gray    | Carded 6  | IIIIIIII |
| $193-6                    | (1) 1/2" Outlet | White   | Carded 6  | IIIIIIII |
| $197-0                    | (3) 1/2" Outlets | Gray    | Carded 6  | IIIIIIII |
| $197-1                    | (3) 1/2" Outlets | White   | Carded 6  | IIIIIIII |
| $197-2                    | (3) 1/2" Outlets | Bronze  | Carded 6  | IIIIIIII |
| $197-5                    | (3) 1/2" Outlets | Gray    | Carded 6  | IIIIIIII |
| $197-6                    | (3) 1/2" Outlets | White   | Carded 6  | IIIIIIII |
| $197-7                    | (3) 1/2" Outlets | Bronze  | Carded 6  | IIIIIIII |

WEATHERPROOF BOXES, COVERS AND LIGHTING

PRODUCT FEATURES
- Rugged metallic construction
- Durable powder coat finish provides maximum weatherability and scratch-resistance
- Locking swivel knuckle assures positive lamp positioning and provides pinpoint directional aiming
- Extra long wire leads for easy hook-up
- Each lampholder supplied with a porcelain socket, inside gasket, 1/2" locknut and multilingual instructions

APPLICATIONS
- For outdoor or indoor lighting use
- For use with BELL® cluster covers and boxes

COMPATIBILITIES
- BELL® – Standard 1598
- NEC® Compliant
- NEMA 3R Rated

Lampholders and Accessories for 75-150 Watt Par 38 Lamps

| LHS100W | 100W Halogen Bulb Included (GY 8.6 TYPE 4) White Shrink 6 IIIIIIII |
| LHS100S | 100W Halogen Bulb Included (GY 8.6 TYPE 4) Gray Shrink 6 IIIIIIII |
| LTS100S | 100W Halogen Bulb Included (GY 8.6 TYPE 4) Bronze Shrink 6 IIIIIIII |

Lampholders for 75-150 Watt Par 38 Lamps

| LTS100W | 150W Halogen Bulb Included (GY 8.6 TYPE 4) White Shrink 6 IIIIIIII |
| LTS100S | 150W Halogen Bulb Included (GY 8.6 TYPE 4) Gray Shrink 6 IIIIIIII |
| LTS100Z | 150W Halogen Bulb Included (GY 8.6 TYPE 4) Bronze Shrink 6 IIIIIIII |

SWIVEL JOINT LAMPHOLDERS

APPLICATIONS
- For general outdoor lighting use in wet, damp or dry locations

PRODUCT FEATURES
- Superior commercial quality die-cast metal construction
- Premium powder coat finish
- LTS100 includes porcelain sockets and external weatherproof gaskets. CFL compatible
- LHS uses halogen bulb which last up to 3 times longer and produce almost 50% more light as incandescent bulbs
- No-tool easy-mount feature
- Swivel joint for easy directional lighting

COMPATIBILITIES
- BELL® – File E330337
- NEC® Compliant
- NEMA 3R Rated

Halogen

| LTS100S | Uses Par 38 Bulb (150W Maximum, Not Included) White Shrink 10 IIIIIIII |
| LTS100WH | Uses Par 38 Bulb (150W Maximum, Not Included) White Shrink 10 IIIIIIII |
| LTS100Z | Uses Par 38 Bulb (150W Maximum, Not Included) Bronze Shrink 10 IIIIIIII |
**LED SWIVEL FLOODLIGHTS**

**Warm White**

<table>
<thead>
<tr>
<th>CAT. #</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
<th>PKG.</th>
<th>STD. PKG.</th>
<th>BARCODE</th>
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<tr>
<td>LLB005</td>
<td>Weatherproof LED Floodlight Indoor 3000 Lumens Warm White</td>
<td>Gray</td>
<td>Box  4</td>
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<td>Bronze</td>
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</table>

**COMMERCIAL GRADE**

- 3000K CRI
- Die-cast aluminum heads
- 50,000 hour life
- Weatherability and scratch resistance
- 180° motion sensor

**APPLICATION**

- For general outdoor lighting use in wet, damp or general outdoor lighting use
- Use with BELL® cluster covers and boxes

**PRODUCT FEATURES**

- Commercial Grade
- Weatherproofing for wet locations
- Die-cast aluminum heads
- 50,000 hour life
- 180° motion sensor
- Weatherable and scratch-resistant finish

**COMPLIANCES**

- NEC® Compliant
- EMA 3R rated
- NEMA 3R rated

**PORTABLE LAMPHOLDERS**

**LED**

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<tr>
<th>CATALOG #</th>
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<th>STD. PKG.</th>
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<td>SL101B</td>
<td>Spike, 6 ft. cord &amp; plug</td>
<td>Gray</td>
<td>Polybag 12</td>
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<td>5792-0</td>
<td>6.5 Watts Warm White LED 350 Lumens</td>
<td>Bronze</td>
<td>Box 4</td>
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**APPLICATION**

- For general outdoor lighting use

**PRODUCT FEATURES**

- IP65 rated
- 120° beam angle
- Die-cast construction
- Durable powder coat finish
- Pinpoint directional aiming
- 9 Watts/540 Lumens

**COMPLIANCES**

- NEC® Compliant
- NEMA 3R rated

**LED WORKSHOP LAMPHOLDERS**

**LED**

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<td>SPLED500Z</td>
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<tr>
<td>SL101B</td>
<td>Spike, 6 ft. cord &amp; plug</td>
<td>Gray</td>
<td>Polybag 12</td>
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</tbody>
</table>

**APPLICATION**

- For general outdoor lighting use in wet, damp or general outdoor lighting use

**PRODUCT FEATURES**

- IP65 rated
- 120° beam angle
- Die-cast construction
- Durable powder coat finish
- Pinpoint directional aiming
- 9 Watts/540 Lumens

**COMPLIANCES**

- NEC® Compliant
- NEMA 3R rated
**DIE-CAST LAMPHOLDER COMBINATIONS**

**APPLICATION**
- For use with BELL® 1-Gang rectangular or round weatherproof boxes

**PRODUCT FEATURES**
- Rugged metallic construction
- Durable powder coat finish provides maximum weatherability and scratch-resistance
- Each combination kit is a complete weatherproof installation — no need to purchase separate components
- Includes installation hardware, gasket and multilingual instructions

**COMPLIANCES**
- NEC® Compliant
- NEMA 3R Rated

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**CATALOG # DESCRIPTION | COLOR | PKG. TYPE | STD. PKG. | BARCODE**

**Rectangular Cover – Combinations for 75-150 Watt Par 38 Lamps**

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**Rectangular Light Kits for 75-150 Watt Par 38 Lamps**

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<td>5883-5</td>
<td>Box, cover, photocell &amp; (2) lampholders Gray Boxed 4 IIIIIII</td>
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<tr>
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**LIGHT KITS**

**APPLICATION**
- For general lighting use in wet, damp or dry locations

**PRODUCT FEATURES**
- Each kit is a complete weatherproof installation — no need to purchase separate components
- Each kit includes easy-to-follow multilingual instructions
- All kit components are described in the preceding pages

**COMPLIANCES**
- NEC® Compliant
- NEMA 3R Rated
WEATHERPROOF BOXES, COVERS AND LIGHTING

METALLIC GARDEN LIGHTS

APPLICATION
• For accent lighting along walkways, driveways, terraces, porches and garden areas

PRODUCT FEATURES
• Rugged die-cast construction
• Durable powder coat finish provides maximum weatherability and scratch-resistance
• Includes screw-in clear glass globe, wire connectors, gasket, and multilingual instructions
• Three-tier lights accept 40W maximum lamps
• Four-tier lights accept 60W maximum lamps

COMPLIANCE
• USE - NEC & NEMA 3R

APPLICATION
• For use whenever outdoor motion detection is needed in unlit areas

PRODUCT FEATURES
• Swivel joint for easy aiming
• 180° motion sensor with duration, sensitivity and photocell controls
• Standard 1/2” threaded mount
• 120VAC

COMPLIANCES
• USE - NEC & NEMA 3R

PHOTOCELL

APPLICATION
• Use for darkness activated automatic control of night lighting from dusk to dawn

PRODUCT FEATURES
• Durable weatherproof construction
• Built-in time delay prevents operation triggered by auto headlamps or other temporary light flashes

APPLICATION
• For use with BELL weatherproof boxes, extension adapters, cluster covers and round splice boxes to seal off unused outlets

PRODUCT FEATURES
• Gray closure plugs are die-cast zinc
• White and bronze closure plugs are nonmetallic

COMPLIANCE
• USE - File E195973

METAL CLOSURE PLUGS

CATALOG # | DESCRIPTION | OUTER CTN. QTY. | STD. PKG. | BARCODE
--- | --- | --- | --- | ---
5269-0 | 1/2” NPT Clean | 75 bags* | 75 bags* | 5269-0
5269-1 | 1/2” NPT White | 75 bags* | 75 bags* | 5269-1
5269-2 | 1/2” NPT Bronze | 75 bags* | 75 bags* | 5269-2
5269-5 | 1/2” NPT Gray | 12 cards** | 12 cards** | 5269-5
5269-6 | 1/2” NPT White | 12 cards** | 12 cards** | 5269-6
5269-7 | 1/2” NPT Bronze | 12 cards** | 12 cards** | 5269-7
5269-9 | 1/2” NPT Gray | Bulk | 1000 | 5269-9
5269-10 | 1/2” NPT Bronze | Bulk | 4500 | 5269-10
5270-0 | 3/4” NPT Gray | 75 bags** | 75 bags** | 5270-0
5270-1 | 3/4” NPT White | 75 bags** | 75 bags** | 5270-1
5270-5 | 3/4” NPT Gray | 12 cards** | 12 cards** | 5270-5
5270-10 | 3/4” NPT Bronze | Bulk | 1000 | 5270-10
5271-0 | 1” NPT Gray | 75 bags* | 75 bags* | 5271-0
5271-1 | 1” NPT White | 75 bags* | 75 bags* | 5271-1
5271-5 | 1” NPT Gray | 12 cards** | 12 cards** | 5271-5
5271-10 | 1” NPT Bronze | Bulk | 1000 | 5271-10

*Order in standard package bag quantities only – not per piece
**Order in standard package card quantities only – not per piece

SEE END OF SECTION (PG D46) FOR DETAILED DRAWINGS
ACCESSORIES

BOX MOUNTING LUGS

<table>
<thead>
<tr>
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<th>Pack Type</th>
<th>Std. Pkg.</th>
<th>Barcode</th>
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<td>5302-0</td>
<td>Box Mounting Lugs &amp; Screws</td>
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<td>100 Polybags of 2</td>
<td>100</td>
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APPLICATION
- Use in dry locations for closure of unused ceiling outlets

PRODUCT FEATURES
- Rugged metallic construction
- Durable powder coat paint finish provides a scratch-resistant surface

COMPLIANCE
- File E195978

REPLACE CLOSURE PLATES

<table>
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<th>Description</th>
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<th>Pack Type</th>
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<th>Barcode</th>
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<tbody>
<tr>
<td>5652-1</td>
<td>5&quot; Round Closure Plates – Steel</td>
<td>Off White</td>
<td>Shrink 10</td>
<td>10</td>
<td>11111</td>
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<tr>
<td>5653-1</td>
<td>(2) 8-32 screws, direct mount to fixture outlet box Off White Shrink 10</td>
<td>11111</td>
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<tr>
<td>5654-1</td>
<td>Fixture stud &amp; universal mount strap Off White Shrink 10</td>
<td>11111</td>
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</table>

PRODUCT FEATURES
- Each gasket has cut outs for a toggle switch, duplex (5020-0 only) receptacle and 1.406" dia. round receptacle
- Remove cut outs for the duplex (5020-0 only) and round receptacles for a GFCI receptacle opening

APPLICATION
- Replacement gaskets for BELL® weatherproof covers and lampholders

PRODUCT FEATURES
- Provides a safe and secure mounting and weatherproof wiring junction for outdoor fans, chandeliers or pendant lights
- Designed to enhance outdoor living spaces with the same convenience and comfort as indoors
- Perfect for porches, covered patios, pergolas

COMPLIANCES
- Listed
- NEC and NEMA 3R Compliant

OUTDOOR CEILING FAN & LUMINAIRE BOXES

<table>
<thead>
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<th>Catalog #</th>
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<td>Ceiling Fan Luminaire Box, Gray</td>
<td>16.0&quot;</td>
<td>(5) 3/4&quot; or 1/2&quot;</td>
<td>70</td>
<td>150</td>
<td>4</td>
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**OUTLET BOXES**

- 1-Gang Outlet Boxes, Three Threaded Outlets
- Round Outlet Box, Five Threaded Outlets
- 2-Gang Outlet Boxes, Seven Threaded Outlets

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<td>PSB37550WH</td>
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<td>5</td>
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<td>PDB77550GY</td>
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**BLANK COVERS**

- For general use whenever weatherproof protection is required

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**TOGGLE / DEVICE COVERS**

- Horseshoe Adapter Ensures a Snug Fit for Small and Large Head Switches

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### Nonmetallic Lighting

**Lampholders**

- **Application**
  - For general outdoor lighting use in wet, damp or dry locations

- **Product Features**
  - Durable high impact PBT construction
  - Includes attached gasket and mounting hardware

- **Compliance**
  - NEC® Compliant
  - NEMA 3R Rated

**Catalog # | Description | Color | Pak. Type | Std. Pak. | Bar Code**
--- | --- | --- | --- | --- | ---
PLTS100GY | Swivel Lampholder | Gray | Shrink | 12 | IIIIIII
PLTS100WH | Swivel Lampholder | White | Shrink | 12 | IIIIIII
PLV330GY | Three 1/2” Holes | Gray | Shrink | 8 | IIIIIII
PLV330WH | Three 1/2” Holes | White | Shrink | 8 | IIIIIII

**Nonmetallic Closure Plugs**

**Catalog # | Description | Color | Pak. Type | Std. Pak. | Bar Code**
--- | --- | --- | --- | --- | ---
PCP47550GY | Two 1/2”, Two 3/4” | Gray | Poly Bag | 30 | IIIIIII
PCP47550WH | Two 1/2”, Two 3/4” | White | Poly Bag | 30 | IIIIIII

**Gaskets**

**Catalog # | Description | Color | Pak. Type | Std. Pak. | Bar Code**
--- | --- | --- | --- | --- | ---
GK240 | Bag of 2 Lampholder Gaskets | Black | Poly Bag | 15 | IIIIIII

**Halogen Replacement Bulbs**

**Catalog # | Description | Color | Pak. Type | Std. Pak. | Bar Code**
--- | --- | --- | --- | --- | ---
HB75W | 75W Halogen Bulb (GY 8.6 Type 4) | Clear | Poly Bag | 100 | IIIIIII
DIE-CAST ALUMINUM BOXES AND EXTENSION RINGS

1-GANG BOXES (General Dimensions)

EXTENSIONS: 5406-0

2-GANG BOXES WITH 7 OUTLETS
CAT. NOs. 5340-0, 5348-0

2-GANG BOXES WITH 5 OUTLETS
CAT. NOs. 5388-0, 5389-0

SWING ARM EXTENSION ADAPTERS:
S412-0 TO S415-0

2-GANG EXTENSION

3-GANG BOX

4" ROUND SPLICE BOXES

4" ROUND EXTENSION ADAPTERS
**METALLIC 1-GANG DEVICE COVERS**

**METALLIC 2-GANG DEVICE COVERS**

**RAYNITE® 1-GANG DEVICE COVERS – HORIZONTAL**

**RAYNITE® 1-GANG DEVICE COVERS – VERTICAL**

**GFCI STYLE COVERS**

**SINGLE RECEPTACLE STYLE COVERS**

Note: device-mount and box-mount cover dimensions are the same.
WEATHERPROOF BOXES, COVERS AND LIGHTING

DETAILED DRAWINGS

NONMETALLIC COVERS

PBC300

PTC100

PTC200

PTC521

NONMETALLIC LIGHTING

PLTS100

PLV330

NONMETALLIC ACCESSORIES

PCP47550

1/2" NPT

3/4" NPS

1.03"
APPLICATIONS
• For use in home, commercial and industrial settings for enhanced durability and appearance

PRODUCT FEATURES
• Metal wallplates have a beauty, weight and feel that plastic can’t replicate
• Easily primed and painted to match or complement walls
• Solid sound compared to thin, hollow resonance of economy plastic plates
• Durable – won’t crack, peel or discolor over time
• Won’t bow, crack or distort during installation
• Premium North American Powder Coat
• Includes screws in matching finish

TEXTURES

- W Smooth White
- TW Textured White
- SS 430 Stainless Steel
- I Smooth Ivory
- TI Textured Ivory

CONFIGURATIONS

APPLICATIONS
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TEXTURES

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- TW Textured White
- SS 430 Stainless Steel
- I Smooth Ivory
- TI Textured Ivory

COMPLIANCES
• UL

CONFIGURATIONS
### STANDARD METAL WALLPLATES – WHITE TEXTURED

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### STANDARD METAL WALLPLATES – IVORY SMOOTH

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STANDARD METAL WALLPLATES – IVORY TEXTURED / RED SMOOTH

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IVORY TEXTURED

STANDARD METAL WALLPLATES – STAINLESS STEEL

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STAINLESS STEEL

**Notes:**
- WTI-BB: 2-Blank Stainless Steel
- WTI-TR: Toggle Decorator/Rocker Stainless Steel
- WSS-BB: 2-Blank Stainless Steel
- WSS-TR: Toggle Duplex Stainless Steel
- *430 Stainless Steel
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**MAXI/PRINCESS METAL WALLPLATES – WHITE TEXTURED**

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**MAXI Metal Wallplates: White Textured**

| WRTW-T     | Toggle                            | White Textured| Polybag        | 25        |         |
| WRTW-R     | Decorator/Rocker                  | White Textured| Polybag        | 25        |         |
| WRTW-D     | Duplex                            | White Textured| Polybag        | 25        |         |
| WRTW-B     | Blank                             | White Textured| Polybag        | 25        |         |

**Maxi/Princess Metal Wallplates: White Textured**

| WRTW-TT    | 2-Toggle                          | White Textured| Polybag        | 10        |         |
| WRTW-TTT   | 3-Toggle                          | White Textured| Polybag        | 10        |         |
| WRTW-DD    | 2-Gang Single Outlet 2.15"        | White Textured| Polybag        | 10        |         |
| WRTW-TD    | Toggle Duplex                     | White Textured| Polybag        | 20        |         |
| WRTW-TR    | Toggle Decorator/Rocker           | White Textured| Polybag        | 20        |         |

**MAXI/PRINCESS METAL WALLPLATES – IVORY SMOOTH**

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**Maxi Metal Wallplates: Ivory Smooth**

| WMI-T      | Toggle                            | Ivory Smooth | Polybag        | 25        |         |
| WMI-R      | Decorator/Rocker                  | Ivory Smooth | Polybag        | 25        |         |
| WMI-D      | Duplex                            | Ivory Smooth | Polybag        | 25        |         |

**Maxi/Princess Metal Wallplates: Ivory Smooth**

| WRI-TT     | 2-Toggle                          | Ivory Smooth | Polybag        | 10        |         |
| WRI-RR     | 2-Decorator/Rocker                | Ivory Smooth | Polybag        | 10        |         |
| WRI-RRR    | 3-Decorator/Rocker                | Ivory Smooth | Polybag        | 10        |         |
| WRI-DD     | 2-Duplex                          | Ivory Smooth | Polybag        | 10        |         |
| WRI-BB     | 2-Blank                           | Ivory Smooth | Polybag        | 10        |         |
| WRI-TR     | Toggle Decorator/Rocker           | Ivory Smooth | Polybag        | 10        |         |

**SEE END OF SECTION (PG E22) FOR DETAILED DRAWINGS**
### Maxi/Princess Metal Wallplates – Ivory Textured

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### Jumbo Metal Wallplates

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### Ivory Smooth

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<td>I</td>
</tr>
<tr>
<td>WJBN-RX</td>
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<td>Polybag</td>
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<tr>
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<td>Polybag</td>
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<tr>
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### Jumbo Ivory Smooth

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PLASTIC WALLPLATES – MASQUE®

APPLICATIONS
• Designed for home and commercial use providing enhanced aesthetics and durability

PRODUCT FEATURES
• Achieve fantastic colors. Masque wall plates are easily painted or wallpapered to match or complement walls
• Unbreakable premium PVC wallplates
• Hide outdated, discolored outlets
• Won’t crack or distort during installation
• Includes screws in matching finish

COMPLIANCES
• 

MASQUE® 2000 SERIES

Paint or Cover with Wallpaper!

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
2000W Grounded Duplex White Textured Polybag 50 IIIIIII
4000W Toggle White Textured Polybag 50 IIIIIII
5070W Toggle Cover-Up White Textured Polybag 25 IIIIIII
2400W Duplex Toggle White Textured Polybag 10 IIIIIIII
4400W 2-Toggle White Textured Polybag 10 IIIIIIII
4440W 3-Toggle White Textured Polybag 10 IIIIIIII

MASQUE® 5000 SERIES

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
5000W Decorator Device White Textured Polybag 10 IIIIIIII
5500W 2-Decorator/Rocker White Textured Polybag 10 IIIIIIII
5550W 3-Decorator/Rocker White Textured Polybag 10 IIIIIIII
5555W 4-Decorator/Rocker White Textured Polybag 10 IIIIIIII

MASQUE® ADAPTERS

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
AD50W Rocker Switch Cover-Up White Textured Polybag 10 IIIIIIII
AD60W Decorator Outlet Cover-Up White Textured Polybag 10 IIIIIIII
AD10W Blank White Textured Polybag 10 IIIIIIII
AD20W Duplex White Textured Polybag 10 IIIIIIII
AD40W Toggle White Textured Polybag 10 IIIIIIII
AD70W Toggle Switch Cover-Up White Textured Polybag 25 IIIIIII
AD42W Rotary Dimmer White Textured Polybag 10 IIIIIIII
AD90W Telephone Jack (jack included) White Textured Polybag 10 IIIIIIII
AD93W Cable TV White Textured Polybag 10 IIIIIIII

*Duplex Adapters (AD20W, AD40W) not UL listed

SEE END OF SECTION (Pgs. E23) FOR DETAILED DRAWINGS
PLASTIC WALLPLATES – DECORATOR COVER

APPLICATIONS
• Decorator Covers improve the appearance of a room in seconds, creating a designer decorator look by covering old outlets instead of replacing them. There is no need to re-wire, saving time and money

PRODUCT FEATURES
• Completely covers old outdated outlets and switches
• Jumbo size easily hides excessive paint edge build up from years of paint over
• No rewiring
• Saves time and money
• Contemporary look - smooth finish
• PVC material resists wear and tear
• Won’t crack or distort during installation
• Includes screw(s) in matching finish

DECORATOR COVER SERIES

APPLICATIONS
• Decorator Covers improve the appearance of a room in seconds, creating a designer decorator look by covering old outlets instead of replacing them. There is no need to re-wire, saving time and money

PRODUCT FEATURES
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• Jumbo size easily hides excessive paint edge build up from years of paint over
• No rewiring
• Saves time and money
• Contemporary look - smooth finish
• PVC material resists wear and tear
• Won’t crack or distort during installation
• Includes screw(s) in matching finish

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
2500W Grounded Duplex White Polybag 50 IIIIIIII
2500I Grounded Duplex Ivory Polybag 50 IIIIIIII
2520W Toggle Switch Cover-Up White Polybag 25 IIIIIIII
2520LA Grounded Duplex Light Almond Polybag 50 IIIIIIII

PLASTIC WALLPLATES – MASQUE® RÉVIVE

APPLICATIONS
• Masque® Révive easily creates an all new look without replacing old outlets or switches. No need to re-wire, saving time and money
• Don’t replace... Révive!

PRODUCT FEATURES
• Completely covers old outdated outlets and switches
• No rewiring
• Saves time and money
• Contemporary look - smooth finish
• Impact resistant PVC resists wear and tear
• Won’t crack or distort during installation
• Includes screw(s) in matching finish

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE
2600W Grounded Duplex White Polybag 10 IIIIIIII
2670W Toggle Switch Cover-Up White Polybag 10 IIIIIIII
2602W 2-Grounded Duplex White Polybag 5 IIIIIIII
2772W Grounded Duplex/Toggle Switch White Polybag 5 IIIIIIII
2672W 2-Toggle Switch Cover-Up White Polybag 8 IIIIIIII
2673W 3-Toggle Switch Cover-Up White Polybag 5 IIIIIIII
PLASTIC WALLPLATES – ALLURE®

APPLICATIONS
- Allure® wallplates cover outdated, mismatched receptacles, transforming them to a clean-line, sleek, contemporary look with no visible screws

PRODUCT FEATURES
- Use one plate with different inserts to fit any combination of outlet and switch
- Upgrade the look of a home in seconds with the innovative style of Allure® designer wallplates
- Quick and easy to install in under a minute with no electrical work
- Saves time and money by covering existing devices instead of replacing
- Impact resistant ABS resists wear and tear

ALLURE® DESIGNER WALLPLATES

Don’t Update, Upgrade!

Transforms Old Outlets to Upgraded Screwless Style in Seconds

APPLICATIONS
- Allure® wallplates cover outdated, mismatched receptacles, transforming them to a clean-line, sleek, contemporary look with no visible screws

PRODUCT FEATURES
- Use one plate with different inserts to fit any combination of outlet and switch
- Upgrade the look of a home in seconds with the innovative style of Allure® designer wallplates
- Quick and easy to install in under a minute with no electrical work
- Saves time and money by covering existing devices instead of replacing
- Impact resistant ABS resists wear and tear

ALLURE® WALLPLATE INSERTS

CATALOG # DESCRIPTION COLOR PKG. TYPE STD. PKG. BARCODE

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<td>Toggle Switch</td>
<td>White</td>
<td>Card</td>
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<td>White</td>
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<td>A50W</td>
<td>GFCI (Left Test)</td>
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<td>Card</td>
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<td>A52W</td>
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<td>GFCI (Traditional Test)</td>
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</table>
**APPLICATIONS**

- Protects thermostat from tampering and unwanted changes to AC or heating settings

**PRODUCT FEATURES**

- Patented rotating removable hinge makes adjusting the thermostat more convenient by eliminating the need to completely remove the cover
- Lid can be removed for easy thermostat installation
- Patented hinge includes high strength locking features to ensure that the lid cannot be removed when closed
- Includes tumbler lock with two keys
- Heavy duty polycarbonate
- Includes mounting screws and anchors
- Mounts horizontally or vertically
- Low profile
- Can be mounted in any one of four directions

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**CATALOG #**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>INSIDE WIDTH</th>
<th>OUTSIDE WIDTH</th>
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<th>STD. PKG.</th>
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<td>5 7/8˝ W x 5 7/8˝ H x 2 3/4˝ D</td>
<td>Box 12</td>
<td>IIIIIIII</td>
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<tr>
<td>ZTC200</td>
<td>6 11/16˝ W x 5 1/8˝ H x 2 5/8˝ D</td>
<td>7 1/2˝ W x 6 1/2˝ H x 2 15/16˝ D</td>
<td>Box 12</td>
<td>IIIIIIII</td>
<td></td>
</tr>
<tr>
<td>ZTC300</td>
<td>8 3/8˝ W x 7 1/4˝ H x 3 3/8˝ D</td>
<td>9 3/4˝ W x 7 3/4˝ H x 3 3/4˝ D</td>
<td>Box 6</td>
<td>IIIIIIII</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- Saves energy and adds comfort by redirecting the flow of air throughout home or office

**PRODUCT FEATURES**

- Heavy duty polystyrene
- Easy to install
- Includes mounting hardware
- (15) adapter wedges included for precision installation

---

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<table>
<thead>
<tr>
<th>SIZE (INCHES)</th>
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<th>BARCODE</th>
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<tr>
<td>DA28</td>
<td>Fits most small and medium thermostat brands including: Honeywell, ITT General, White Rodgers, Enerstat, American Stabilis, Columbus Electric and Seco</td>
<td>Polybag 4</td>
<td>IIIIIIII</td>
<td></td>
</tr>
<tr>
<td>BF30</td>
<td>Fits most Friedrich® models and other similar size units</td>
<td>Polybag 4</td>
<td>IIIIIIII</td>
<td></td>
</tr>
<tr>
<td>DG28</td>
<td>Fits GE® Zoneline® models 2100, 2500, 3200, 3500, 5200 and 5500</td>
<td>Polybag 4</td>
<td>IIIIIIII</td>
<td></td>
</tr>
<tr>
<td>DG30</td>
<td>Fits GE® Zoneline® models 2200, 2500, 3200, 3500, 3800, 5200 and 5500</td>
<td>Polybag 4</td>
<td>IIIIIIII</td>
<td></td>
</tr>
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**PRODUCT FEATURES**

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<tr>
<td>ZTC200</td>
<td>6 11/16˝ W x 5 1/8˝ H x 2 5/8˝ D</td>
<td>7 1/2˝ W x 6 1/2˝ H x 2 15/16˝ D</td>
<td>Box 12</td>
<td>IIIIIIII</td>
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</tr>
<tr>
<td>ZTC300</td>
<td>8 3/8˝ W x 7 1/4˝ H x 3 3/8˝ D</td>
<td>9 3/4˝ W x 7 3/4˝ H x 3 3/4˝ D</td>
<td>Box 6</td>
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<td>ZTC200</td>
<td>6 11/16˝ W x 5 1/8˝ H x 2 5/8˝ D</td>
<td>7 1/2˝ W x 6 1/2˝ H x 2 15/16˝ D</td>
<td>Box 12</td>
<td>IIIIIIII</td>
<td></td>
</tr>
<tr>
<td>ZTC300</td>
<td>8 3/8˝ W x 7 1/4˝ H x 3 3/8˝ D</td>
<td>9 3/4˝ W x 7 3/4˝ H x 3 3/4˝ D</td>
<td>Box 6</td>
<td>IIIIIIII</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- Protects thermostat from tampering and unwanted changes to AC or heating settings

**PRODUCT FEATURES**

- Patented rotating removable hinge makes adjusting the thermostat more convenient by eliminating the need to completely remove the cover
- Lid can be removed for easy thermostat installation
- Patented hinge includes high strength locking features to ensure that the lid cannot be removed when closed
- Includes tumbler lock with two keys
- Heavy duty polycarbonate
- Includes mounting screws and anchors
- Mounts horizontally or vertically
- Low profile
- Can be mounted in any one of four directions
DETAILED DRAWINGS

**THERMOSTAT COVERS**

**ZTC100**
- Dimensions: 5.84" x 5.84" x 2.51"

**ZTC200**
- Dimensions: 6.47" x 5.83" x 2.86"

**ZTC300**
- Dimensions: 7.22" x 6.47" x 3.26"

**AIR DEFLECTORS**

**DA28**
- Dimensions: 29.58" x 6.88" x 5.06"

**DF30**
- Dimensions: 30.37" x 6.88" x 5.38"

**DG28**
- Dimensions: 30.35" x 6.88" x 5.19"

**DG30**
- Dimensions: 31.03" x 6.88" x 4.60"