



**TayMac®**



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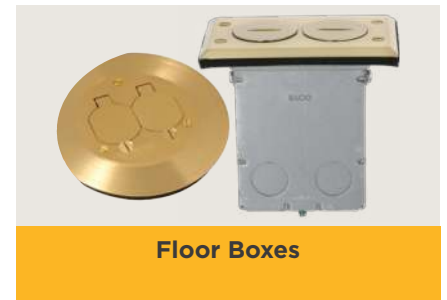
# Steel Boxes, Covers, and Accessories

## Section A





# Table of Contents



## RACO® Steel Boxes, Covers & Accessories

|                                                          |      |
|----------------------------------------------------------|------|
| • General Information .....                              | A-2  |
| • Box Selection .....                                    | A-6  |
| • 4" Square Boxes .....                                  | A-9  |
| • 4" Square Covers .....                                 | A-23 |
| • Stud Mount Mud Rings .....                             | A-25 |
| • Hinged Mud Rings .....                                 | A-26 |
| • Adjustable Mud Rings .....                             | A-27 |
| • Universal Stud Mount Brackets .....                    | A-29 |
| • 4" Square Partitions & 4" Square Fixture Covers .....  | A-31 |
| • 4" Square Exposed Work Covers .....                    | A-32 |
| • 4-11/16" Square Boxes .....                            | A-33 |
| • 4-11/16" Square Mud Rings, Covers and Partitions ..... | A-38 |
| • 4-11/16" Square Exposed Work Covers .....              | A-40 |
| • Life Support Products .....                            | A-42 |
| • Large Capacity Boxes & Covers .....                    | A-44 |
| • Transition Boxes .....                                 | A-46 |
| • Grand Slam Box .....                                   | A-47 |
| • Ceiling Fan & Fixture Support Products .....           | A-49 |
| • Ceiling Pans .....                                     | A-51 |
| • Ceiling Boxes & Covers .....                           | A-53 |
| • Handy Boxes & Covers .....                             | A-61 |
| • Two Device Handy/Switch Boxes & Covers .....           | A-63 |
| • 3" x 2" Switch Boxes .....                             | A-64 |

|                                                 |      |
|-------------------------------------------------|------|
| • Shallow Switch Boxes .....                    | A-70 |
| • Multidevice Switch Boxes .....                | A-71 |
| • Multigang Boxes, Covers, and Partitions ..... | A-72 |
| • Concrete Rings & Covers .....                 | A-75 |
| • Masonry Boxes & Support .....                 | A-76 |
| • Box Support Products .....                    | A-79 |
| • Accessories for Steel Boxes .....             | A-84 |
| • Protector Plates .....                        | A-86 |
| • Box Grounding Products .....                  | A-87 |
| • Detailed Drawings .....                       | A-88 |

## RACO® Non-Metallic Cable Boxes

|                                                |       |
|------------------------------------------------|-------|
| • General Information .....                    | A-95  |
| • Non-Metallic Cable Boxes .....               | A-96  |
| • Non-Metallic Cable Boxes/Vapor Barrier ..... | A-103 |
| • Detailed Drawings .....                      | A-104 |

## RACO® Floor Boxes

|                                           |       |
|-------------------------------------------|-------|
| • General Information .....               | A-107 |
| • Quick Selection Guide .....             | A-109 |
| • Non-Metallic Floor Boxes .....          | A-111 |
| • Floor Box Covers & Flanges .....        | A-113 |
| • Accessories & Replacement Covers .....  | A-118 |
| • Above Floor Service & Accessories ..... | A-119 |
| • Detailed Drawings .....                 | A-120 |

## General Information

### Standards, 2023 National Electrical Code®

#### 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 fixture 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 when 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 226 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 non-metallic 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.

*\* Reference: Fire Resistance Ratings ANSI/UL 263, Sec. III-6.*

#### Standard Materials: Steel Covers, Outlet and Standard Switch Boxes

- Steel boxes and covers are made of .0625 inch thick pre-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. Check specific catalog pages for individual compliances.

- UL Listed – Standard 514-A, file E195978 ("QCIT" Category)
- Boxes and covers are listed for their Electrical Applications (electrical codes), UL Electrical Construction Equipment Online Directory (electrical codes).
- Boxes are listed for Fire Resistance Directory, including the Two-Hour Fire Rating, (building codes) UL Orange Book
- UL Classified Standard – UL263 file R16536, CEYY, QBWY
- CSA Certified – C22.2 #18, CSA File LR-1082
- ANSI/NEMA OS1
- Federal Manufacturer's number 28488



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.

#### Wiring Capacity: 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 NEC® 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.

## Standards, 2023 National Electrical Code®

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(A). 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.

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 314-28.

**(a) Box Volume Calculations.** The volume of a wiring enclosure (box) shall be the total volume of the assembled 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. cm3.) or less, other than those described in table, and non-metallic 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 outside the box and terminates 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)(1). A conductor, no part of which leaves the box, shall not be counted.

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)(2) shall be made based on the largest conductor present in the box. No allowance shall be required for a cable connector with this clamping mechanism outside the box.

**(3) Support Fittings Fill.** Where one or more fixture studs or hickeyes are present in the box, a single volume allowance in accordance with NEC® 314.16(B)(3) 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 NEC® 314.16(B)(4) 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.

**(5) Equipment Grounding Conductor Fill.** Where one or more equipment grounding conductor(s) enter(s) a box, a single volume allowance in accordance with Table 314.16B shall be made based on the largest equipment grounding conductor present in the box. Where an additional set of equipment grounding conductors, as permitted by NEC® 314.16(B)(5) are present in the box, an additional volume allowance shall be made based on the largest equipment grounding conductor in the additional set.

## General Information

### Standards, 2023 National Electrical Code®

| Most Often Requested Sections of the National Electrical Code®                                                                                                                                                                                                                                                                                                        | How RACO® Products Help Complete the Installation                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>250.97 Method of Bonding Service Equipment — Bonding Jumpers.</b> Bonding jumpers are not required for concentric and eccentric knockouts if they are listed.                                                                                                                                                                                                      | This Section is used to ensure that there is ground continuity when a concentric or eccentric knockout is incorporated in a box. A bonding jumper is not required when using any of the RACO® patented TKO knockout boxes.                                                                                                               |
| <b>314.27 (A) Boxes at Lighting Fixture Outlets.</b> 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.                                                                                                                              |
| <b>314.27 (B) Floor Boxes.</b> 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.                                                 | 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.                                                                                                                                                                                                    |
| <b>314.27 (C) Boxes at Fan Outlets.</b> 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.                                                                                 |
| <b>314.16 (A)(3) Space for Conductors.</b> 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. |

## Standards, 2023 National Electrical Code®

| Most Often Requested Articles of the 2020 National Electrical Code®                                                                                                                                                                                                                                                                | How RACO® Products Help Complete the Installation                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>314.27 (B) Maximum Luminaire Weight.</b> 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 514A.                                                                                                                                                    |
| <b>250.146 (A) Surface-Mounted Box.</b> 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 corner covers and mud rings comply.                                                                                                                                                           |
| <b>800.133 Exception (A)(1)(d) Installation of Communications Wires, Cables and Equipment – Electric Light or Power Circuits.</b> 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 1 circuits. | When power and voice/data are brought to one enclosure, a means of dividing the wiring is required. Voltage barriers are available on the following box types: 4" and 4-11/16" square boxes, three- and four-gang switch boxes, masonry boxes, and gang boxes. |
| <b>406.12, Tamper-resistant Receptacles.</b> In all areas specified in 406.12(1) through 406.12(8), all 125 volt, 15 and 20 amp receptacles shall be listed tamper-resistant receptacles.                                                                                                                                          | This is to prevent shocks to small children that like to insert keys, paper clips, etc. into the receptacle slots.                                                                                                                                             |
| <b>314.24 (B) Depth of Boxes.</b> 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).                                                                                                         |

## Box Selection

### 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. Those 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 splice 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 hickey are to be counted as one for each type of fitting. If a 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 switch that will control a remote light with #14-2 conductors. Metal conduit and fittings will be used as the wire way. You must provide space for four conductors, one ground, 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 14.0 cubic inches.

**Example #2: – Cable Boxes:**

This example will illustrate how the minimum size is determined for a box with cable clamps fed by two #12-2 non-metallic sheathed cables and supplying a 15A duplex receptacle. After supplying the receptacle, the conductors are extended to other outlets.

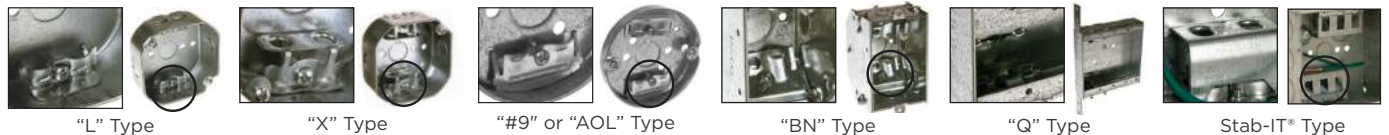
Circuit conductors . . . . . 4  
Ground conductors . . . . . 1  
Cable clamps . . . . . 1  
Device (receptacle) . . . . . 2  
**Total . . . . . 8**

Using the Box Fill table from the next page, read across the line “Allowances” to column 8, then down to the minimum cubic inches required for #12 conductor. This example requires a minimum of 18.0 cubic inches.

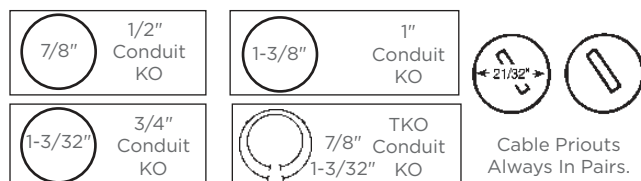
### Steel Box Selection Chart

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cubic Inches:                                                                       | 76.0                                                                                | 42.0                                                                                | 30.3                                                                                | 29.5                                                                                | 21.5                                                                                  | 21.0                                                                                  | 18.0                                                                                  |
|  |  |  |  |  |  |  |  |
| <b>Conduit Steel Boxes</b>                                                          | 5" Sq.<br>3-1/4" Deep (Inside)                                                      | 4-11/16" Sq.<br>2-1/8" Deep (Inside)                                                | 4" Sq.<br>2-1/8" (Depth Inside)                                                     | 4-11/16" Sq.<br>1-1/2" (Depth Inside)                                               | 4" Oct.<br>2-1/8" (Depth Inside)                                                      | 4" Sq.<br>1-1/2" (Depth Inside)                                                       | Switch<br>3-1/2" (Depth Inside)                                                       |
| Cubic Inches:                                                                       |                                                                                     | 30.3                                                                                | 42.0                                                                                | 21.5                                                                                | 21.0                                                                                  | 18.0                                                                                  |                                                                                       |
|  |                                                                                     |  |  |  |  |  |  |
| <b>MC/BX &amp; Non-Metallic Cable Steel Boxes</b>                                   |                                                                                     | 4" Sq.<br>2-1/8" (Depth Inside)                                                     | 4-11/16" Sq.<br>2-1/8" (Depth Inside)                                               | 4" Oct.<br>2-1/8" (Depth Inside)                                                    | 4" Sq.<br>1-1/2" (Depth Inside)                                                       | 4" Sq.<br>1-1/2" (Depth Inside)                                                       | Switch<br>3-1/2" (Depth Inside)                                                       |

### Clamp Types



### Knockouts and Priouts



### Plaster Ears



## Box Fill

| Conductor Size (AWG) | Volume Per Conductor |                  | Allowances |       |       |       |       |       |       |       |       |
|----------------------|----------------------|------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                      | CM <sup>3</sup>      | IN. <sup>3</sup> | 6          | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
| #18                  | 24.6                 | 1.50             | 9.00       | 10.50 | 12.00 | 13.50 | 15.00 | 16.50 | 18.00 | 19.50 | 21.00 |
| #16                  | 28.7                 | 1.75             | 10.50      | 12.25 | 14.00 | 15.75 | 17.50 | 19.25 | 21.00 | 22.75 | 24.50 |
| #14                  | 32.8                 | 2.00             | 12.00      | 14.00 | 16.00 | 18.00 | 20.00 | 22.00 | 24.00 | 26.00 | 28.00 |
| #12                  | 36.9                 | 2.25             | 13.50      | 15.75 | 18.00 | 20.25 | 22.50 | 24.75 | 27.00 | 29.25 | 31.50 |
| #10                  | 41.0                 | 2.50             | 15.00      | 17.50 | 20.00 | 22.50 | 25.00 | 27.50 | 30.00 | 32.50 | 35.00 |
| #8                   | 49.2                 | 3.00             | 18.00      | 21.00 | 24.00 | 27.00 | 30.00 | 33.00 | 36.00 | 39.00 | 42.00 |
| #6                   | 81.9                 | 5.00             | 30.00      | 35.00 | 40.00 | 45.00 | 50.00 | 55.00 | 60.00 | 65.00 | 70.00 |

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cubic Inches:                                                                     | 16.5                                                                              | 15.5                                                                              | 14.0                                                                              | 13.0                                                                              | 12.5                                                                                | 3.8                                                                                 | 6.0                                                                                 |
|  |  |  |  |  |  |  |  |
|                                                                                   | Handy<br>2-1/8" (Depth Inside)                                                    | 4" Oct.<br>1-1/2" (Depth Inside)                                                  | Switch<br>2-3/4" (Depth Outside)                                                  | Handy<br>1-7/8" (Depth Outside)                                                   | Switch<br>2-1/2" (Depth Outside)                                                    | 3-1/2" Rnd. Pan<br>1/2" (Depth Inside)                                              | 4" Rnd. Pan<br>1/2" (Depth Inside)                                                  |

|                                                                                                                                                                           |                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Cubic Inches:                                                                                                                                                             | 15.8                                                                               | 15.5                                                                               | 14.0                                                                               | 12.5                                                                                 | 4.0                                                                                  |
| <br> |  |  |  |  |  |
|                                                                                                                                                                           | Switch<br>2-9/64" (Depth Outside)                                                  | 4" Oct.<br>1-1/2" (Depth Inside)                                                   | Switch<br>2-3/4" (Depth Outside)                                                   | Switch<br>2-1/2" (Depth Outside)                                                     | 3-1/2" Pan<br>1/2" (Depth Inside)                                                    |

## Clamp Technical Data

| Clamp Type         | Raceway Type                                                |                                                             |                                     |                          |                                  |                        |
|--------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------|--------------------------|----------------------------------|------------------------|
|                    | Armored Cable (BX)                                          |                                                             | Metal Clad Cable Interlocking (MCI) |                          | Non-Metallic Sheathed Cable      | Flexible Metal Conduit |
|                    | Steel                                                       | Aluminum                                                    | Steel                               | Aluminum                 |                                  |                        |
| "L" Type           | —                                                           | —                                                           | —                                   | —                        | #14-2 to #10-3 W/Ground          | —                      |
| "X" Type           | #14-2 (.444 In Outer Diam.) to Largest Size to Fit In Clamp | #14-2 (.444 In Outer Diam.) to Largest Size to Fit In Clamp | .425 to .600 Outer Diam.            | .400 to .495 Outer Diam. | —                                | 3/8" Trade Size        |
| "#9" or "AOL" Type | —                                                           | —                                                           | —                                   | —                        | #14-2 W/Ground                   | —                      |
| "Q" Type           | —                                                           | —                                                           | —                                   | —                        | #14-2 to #10-3 W/Ground          | —                      |
| "BN" Type          | —                                                           | —                                                           | —                                   | —                        | #14-2 W/Ground Or #12-2 W/Ground | —                      |
| Stab-IT Type       | .400 to .605 Outer Diam.                                    | .400 to .605 Outer Diam.                                    | .400 to .605 Outer Diam.            | .400 to .605 Outer Diam. | —                                | 3/8" Trade Size        |

## Box Selection

### Bracket Technical Data

| Bracket Type | "A"     | "B"      | "D"    | "FH"     | "FM"    | "FS"     | "J"      | "LB"     | "MS"   | "TS"    | "W"      | "H" or "M" |
|--------------|---------|----------|--------|----------|---------|----------|----------|----------|--------|---------|----------|------------|
| Length (In.) | 6-7/16" | 1-61/64" | 6-1/4" | 6-61/64" | 7-5/8"  | 6-61/64" | 2-3/8"   | 1-31/32" | 4-1/2" | 7"      | 6-25/32" | 3-1/8"     |
| Width        | 5/8"    | 2"       | 21/32" | 1-9/16"  | 1-9/16" | 1-9/16"  | 2-23/32" | 3-3/64"  | 1-1/2" | 1-1/16" | 1-1/16"  | 7/8"       |
| Offset       |         |          |        | 3/8"     | 3/8"    | 3/8"     | 1/4"     |          |        | 17/64"  | 1-5/16"  | 3/8"       |
| For Metal    | ✓       |          | ✓      |          | ✓       | ✓        |          |          | ✓      | ✓       | ✓        | ✓          |
| For Wood     | ✓       | ✓        | ✓      | ✓        | ✓       | ✓        | ✓        | ✓        |        | ✓       | ✓        | ✓          |



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



"FH" Bracket Side-mount bracket with hooks that drive into face of stud.



"D" Bracket Mounts on flat side of stud.



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.



"J" Bracket Spurs, slotted holes for toe-nailing. Gauging notches at 3/8" and 1/2".



"UBS" Support Universal Back Side support to provide bracing on back of box for wall cavities 2-1/2" - 6" thick.



Ultimate G Series Box Support provide bracing of back of the box for wall cavities 2-1/2" - 6" thick.



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



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



"FM" Bracket Mounts on flat side of stud.



"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.



"TS" Bracket Side-mount bracket for octagon, square, switch and handy boxes. Gauging tabs and recessed nailing spurs.



"M" Bracket Brackets on both/opposite sides of box



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



"H" Bracket Narrow bracket allows side-by-side mounting on stud. Positioning tabs locate box perfect distance from stud. V notch centers box. Dimples protect flush drywall installation.

## Square Boxes and Covers

### 4" Square Boxes – Drawn with Conduit KOs



185



190, 8190



191, 8191



192, 8192



204



232D

NEW

#### 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
- Thru-the-wall box is designed for shallow wall applications and allows for attachment of wall plate to both faces of box

#### Compliance

- **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

#### 4" Square Boxes

| CAT.<br>#                                               | Description           | Cubic Inches<br>(CM <sup>3</sup> ) | Knockouts          |                    | Std.<br>Pkg. | Bar<br>Code |
|---------------------------------------------------------|-----------------------|------------------------------------|--------------------|--------------------|--------------|-------------|
|                                                         |                       |                                    | Sides<br>Conduit   | Bottom<br>Conduit  |              |             |
| 1-1/4" Deep - Drawn with Conduit KOs                    |                       |                                    |                    |                    |              |             |
| 185                                                     | —                     | 18.0 (295.0)                       | (10) 1/2"          | (5) 1/2"           | 50           |             |
| 1-1/2" Deep - Drawn with Conduit KOs                    |                       |                                    |                    |                    |              |             |
| 190                                                     | Raised Ground         | 21.0 (344.1)                       | (12) 1/2"          | (4) 1/2"           | 50           | —           |
| 8190                                                    | Raised Ground         | 21.0 (344.1)                       | (12) 1/2"          | (4) 1/2"           | 50           |             |
| 191                                                     | Raised Ground         | 21.0 (344.1)                       | (8) 3/4"           | (1) 1/2", (3) 3/4" | 50           | —           |
| 8191                                                    | Raised Ground         | 21.0 (344.1)                       | (8) 3/4"           | (1) 1/2", (3) 3/4" | 25           |             |
| 192                                                     | Raised Ground         | 21.0 (344.1)                       | (8) 1/2", (4) 3/4" | (2) 1/2", (2) 3/4" | 50           | —           |
| 8192                                                    | Raised Ground         | 21.0 (344.1)                       | (8) 1/2", (4) 3/4" | (2) 1/2", (2) 3/4" | 50           |             |
| Thru-the-Wall Box, 1-1/2" Deep - Drawn with Conduit KOs |                       |                                    |                    |                    |              |             |
| 204                                                     | —                     | 22.5 (368.7)                       | (8) 1/2", (4) 3/4" | —                  | 50           | —           |
| 2-1/8" Deep - Drawn with Conduit KOs                    |                       |                                    |                    |                    |              |             |
| 232D                                                    | Raised Ground<br>Bump | 30.0 (491.6)                       | (8) 1/2", (4) 3/4" | (2) 1/2", (2) 3/4" | 25           | —           |

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Boxes – Welded with Conduit KOs



181



189, 8189



189RAC



189SM



911-9

#### 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

- **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
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

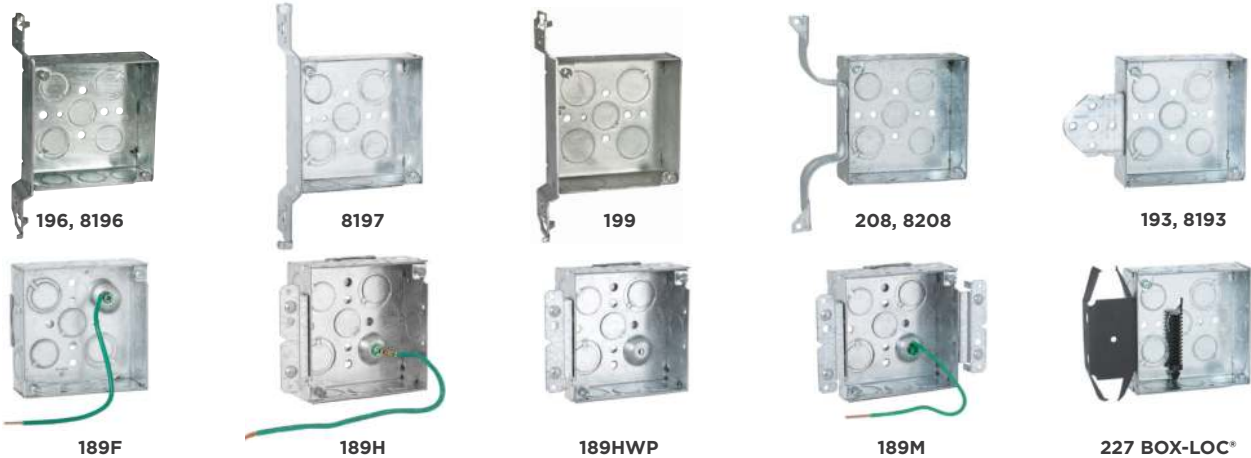
#### 4" Square Box, 1-1/2" Deep – Welded with Conduit KOs

| Cat. # | Description                                          | Cubic Inches (CM <sup>3</sup> ) | Knockouts           |                      | Std. Pkg. | Bar Code |
|--------|------------------------------------------------------|---------------------------------|---------------------|----------------------|-----------|----------|
|        |                                                      |                                 | Sides Conduit       | Bottom Conduit       |           |          |
| 181    | —                                                    | 21.0 (344.1)                    | (8) 3/4"            | (1) 1/2"<br>(4) 3/4" | 50        | —        |
| 189    | 600V, Raised Ground                                  | 21.0 (344.1)                    | (8) 1/2"<br>(4) TKO | (2) 1/2"<br>(2) TKO  | 50        | —        |
| 8189   | 600V, Raised Ground                                  | 21.0 (344.1)                    | (8) 1/2"<br>(4) TKO | (2) 1/2"<br>(2) TKO  | 50        |          |
| 189RAC | 600V                                                 | 21.0 (344.1)                    | (8) 1/2"<br>(4) TKO | (2) 1/2"<br>(2) TKO  | 50        | —        |
| 189SM  | 600V, Raised Ground, 10" #12 Stranded Copper Pigtail | 21.0 (344.1)                    | (8) 1/2"<br>(4) TKO | (2) 1/2"<br>(2) TKO  | 50        |          |
| 911-9  | 600V, Raised Ground, Painted Red                     | 21.0 (344.1)                    | (8) 1/2"<br>(4) TKO | (2) 1/2"<br>(2) TKO  | 50        | —        |

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Bracketed Boxes – Welded with Conduit KOs



#### 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

- 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
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

### 4" Square Bracketed Boxes, 1-1/2" Deep – Welded with Conduit KOs

| Cat. #        | Description                                                                     | Cubic Inches (CM <sup>3</sup> ) | Knockouts        |                   | Std. Pkg. | Bar Code |
|---------------|---------------------------------------------------------------------------------|---------------------------------|------------------|-------------------|-----------|----------|
|               |                                                                                 |                                 | Sides Conduit    | Bottom Conduit    |           |          |
| <b>196</b>    | <b>600V</b> , FS, Flush                                                         | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        | —        |
| <b>8196</b>   | <b>600V</b> , FS, Flush                                                         | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        |          |
| <b>8197</b>   | <b>600V</b> , FH, Flush                                                         | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        |          |
| <b>199</b>    | <b>600V</b> , FS, Flush                                                         | 21.0 (344.1)                    | (6) 3/4"         | (1) 1/2" (4) 3/4" | 25        | —        |
| <b>208</b>    | W, Flush                                                                        | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        | —        |
| <b>8208</b>   | <b>600V</b> , W, Flush                                                          | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        |          |
| <b>193</b>    | <b>600V</b> , B, Flush                                                          | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        | —        |
| <b>8193</b>   | <b>600V</b> , B, Flush                                                          | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 10        |          |
| <b>189F</b>   | <b>600V</b> , Raised Ground, 8" #12 Solid Copper Pigtail, UBS Farside Support   | 21.0 (344.1)                    | (8) 1/2" (4) TKO | (2) 1/2" (2) TKO  | 50        | —        |
| <b>189H</b>   | <b>600V</b> , Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM               | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (2) 1/2" (2) TKO  | 20        | —        |
| <b>189HWP</b> | <b>600V</b> , Raised Ground, UBS, HM                                            | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (2) 1/2" (2) TKO  | 20        | —        |
| <b>189M</b>   | <b>600V</b> , Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM               | 21.0 (344.1)                    | (4) 1/2" (2) TKO | (2) 1/2" (2) TKO  | 20        | —        |
| <b>227</b>    | <b>600V</b> , MS, Flush, BOX-LOC®, Provided with Far-side support (part #978) — | 21.0 (344.1)                    | (6) 1/2" (3) TKO | (3) 1/2" (2) TKO  | 25        |          |

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Extension Rings



201, 8201



202



203, 8203



911-6



187



207

#### 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



#### 4" Square Bracketed Boxes, 1-1/2" Deep – Drawn with Conduit KOs

| Cat. # | Description              | Cubic Inches (CM <sup>3</sup> ) | Knockouts          |                | Std. Pkg. | Bar Code |
|--------|--------------------------|---------------------------------|--------------------|----------------|-----------|----------|
|        |                          |                                 | Sides Conduit      | Bottom Conduit |           |          |
| 201    | —                        | 22.5 (368.7)                    | (12) 1/2"          | —              | 50        | —        |
| 8201   | —                        | 22.5 (368.7)                    | (12) 1/2"          | —              | 25        |          |
| 202    | —                        | 22.5 (368.7)                    | (8) 3/4"           | —              | 50        | —        |
| 203    | —                        | 22.5 (368.7)                    | (8) 1/2", (4) 3/4" | —              | 50        | —        |
| 8203   | —                        | 22.5 (368.7)                    | (8) 1/2", (4) 3/4" | —              | 20        |          |
| 911-6  | Painted Red              | 22.5 (368.7)                    | (8) 1/2", (4) 3/4" | —              | 50        | —        |
| 187    | Attaches to Switch Boxes | 22.5 (368.7)                    | (8) 1/2", (4) 3/4" | —              | 25        |          |

#### 4" Square Extension Rings, 2-1/8" Deep – Welded with Conduit KOs

| Cat. # | Description | Cubic Inches (CM <sup>3</sup> ) | Knockouts          |                | Std. Pkg. | Bar Code |
|--------|-------------|---------------------------------|--------------------|----------------|-----------|----------|
|        |             |                                 | Sides Conduit      | Bottom Conduit |           |          |
| 207    | —           | 30.3 (496.5)                    | (6) 1/2", (6) 3/4" | —              | 25        | —        |

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Boxes - Welded with Conduit KOs

**232, 8232****232RAC****231, 8231****233, 8233****232SLD****232SM****911-3****232CS****232-OW**

#### 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

-  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
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

#### 4" Square Box, 2-1/8" Deep - Welded with Conduit KOs

| Cat. #        | Description                                                                                  | Cubic Inches (CM <sup>3</sup> ) | Knockouts         |                    | Std. Pkg. | Bar Code |
|---------------|----------------------------------------------------------------------------------------------|---------------------------------|-------------------|--------------------|-----------|----------|
|               |                                                                                              |                                 | Sides Conduit     | Bottom Conduit     |           |          |
| <b>232</b>    | <b>600V</b> , Raised Ground                                                                  | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        | —        |
| <b>8232</b>   | <b>600V</b> , Raised Ground                                                                  | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        |          |
| <b>232RAC</b> | <b>600V</b> , Assembled in the USA                                                           | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (3) 1/2", (2) TKO  | 25        | —        |
| <b>231</b>    | <b>600V</b> , Raised Ground                                                                  | 30.3 (496.5)                    | (8) 3/4"          | (1) 1/2", (4) 3/4" | 25        | —        |
| <b>8231</b>   | <b>600V</b> , Raised Ground                                                                  | 30.3 (496.5)                    | (8) 3/4"          | (1) 1/2", (4) 3/4" | 25        |          |
| <b>233</b>    | <b>600V</b> , Raised Ground                                                                  | 30.3 (496.5)                    | (8) 1"            | (3) 1/2", (2) 3/4" | 25        | —        |
| <b>8233</b>   | <b>600V</b> , Raised Ground                                                                  | 30.3 (496.5)                    | (8) 1"            | (3) 1/2", (2) 3/4" | 25        |          |
| <b>232SLD</b> | <b>600V</b> , Raised Ground 8" #12 Solid Copper Pigtail                                      | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        | —        |
| <b>232SM</b>  | <b>600V</b> , Raised Ground, 10" #12 Stranded Copper Pigtail                                 | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        |          |
| <b>911-3</b>  | <b>600V</b> , Painted Red                                                                    | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        |          |
| <b>232CS</b>  | <b>600V</b> , Raised Ground, Elevated Side Knockouts                                         | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        | —        |
| <b>232-OW</b> | <b>600V</b> , Raised Ground, Old Work RETRO-RING, Accepts Box Mounting of One or Two Devices | 30.3 (496.5)                    | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        |          |

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Bracketed Boxes – Welded with Conduit KOs

#### 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 6"
- Red boxes, covers and extensions for dedicated life safety alarm circuits



#### 4" Square Box, 2-1/8" Deep – Welded with Conduit KOs

| Cat. # | Description                                                     | Cubic In. (CM <sup>3</sup> ) | Knockouts         |                    | Std. Pkg. | Bar Code |
|--------|-----------------------------------------------------------------|------------------------------|-------------------|--------------------|-----------|----------|
|        |                                                                 |                              | Sides Conduit     | Bottom Conduit     |           |          |
| 236    | 600V, FM, Flush                                                 | 30.3 (496.5)                 | (6) 3/4"          | (1) 1/2", (4) 3/4" | 25        |          |
| 235    | 600V, TS, Flush                                                 | 30.3 (496.5)                 | (6) 1/2", (3) TKO | (3) 1/2", (2) TKO  | 25        | —        |
| 8235   | TS, Flush,                                                      | 30.3 (496.5)                 | (6) 1/2", (3) TKO | (3) 1/2", (2) TKO  | 25        |          |
| 251    | B Flush                                                         | 30.3 (496.5)                 | (6) 1/2", (3) TKO | (3) 1/2", (2) TKO  | 25        | —        |
| 232H   | Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM             | 30.3 (496.5)                 | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        | —        |
| 232M   | 600V, Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM       | 30.3 (496.5)                 | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        | —        |
| 232F   | 600V, Raised Ground 8" #12 Solid Copper Pigtail, UBS            | 30.3 (496.5)                 | (8) 1/2", (4) TKO | (2) 1/2", (2) TKO  | 25        | —        |
| 238    | BOX-LOC®, MS, Flush, Provided with Far-side support (part #978) | 30.3 (496.5)                 | (6) 1/2", (3) TKO | (3) 1/2", (2) TKO  | 25        |          |
| 911-4  | FM Bracket, Painted Red                                         | 30.3 (496.5)                 | (6) 1/2", (3) TKO | (3) 1/2", (2) TKO  | 25        | —        |

#### Compliance

- 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.
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Plenum Boxes and Cover

**226****231PL****239****203PL****762****165PL****722PL****257PL****258PL****259PL\*****264PL****832PL**

#### Applications

- RACO® Plenum boxes are used in above-ceiling applications where air-tight enclosures are required

#### Product Features

- To maintain plenum seal, RACO Plenum Boxes do not provide ground screw holes
- Cover gasket is PVC foam material
- Air-tight Knockouts

#### Compliance



#### Boxes and Covers

| Cat. #                 | Description                               | Cu. In.<br>(CM <sup>3</sup> ) | Air-Tight Knockouts   |                       | Std. Pkg. | Bar Code |
|------------------------|-------------------------------------------|-------------------------------|-----------------------|-----------------------|-----------|----------|
|                        |                                           |                               | Sides Conduit         | Bottom Conduit        |           |          |
| 4" Square Plenum       |                                           |                               |                       |                       |           |          |
| 226                    | 1-1/2" deep box                           | 21                            | (8) 1/2",<br>(4) 3/4" | (3) 1/2",<br>(2) 3/4" | 50        |          |
| 231PL                  | 2-1/8" deep box                           | 30.3                          | (8) 3/4"              | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 239                    | 2-1/8" deep box                           | 30.3                          | (8) 1/2",<br>(4) 3/4" | (3) 1/2",<br>(2) 3/4" | 25        |          |
| 203PL                  | 1-1/2" deep extension 4" sq. boxes        | 21                            | (8) 1/2",<br>(4) 3/4" | —                     | 50        | —        |
| 762                    | Gasketed blank cover for 4" sq. boxes     | —                             | —                     | —                     | 50        |          |
| 4" Octagon Plenum      |                                           |                               |                       |                       |           |          |
| 165PL                  | 2-1/8" deep box                           | 21.5                          | (2) 1/2",<br>(2) 3/4" | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 722PL                  | Gasketed blank cover for 4" octagon box   | —                             | —                     | —                     | 25        | —        |
| 4-11/16" Square Plenum |                                           |                               |                       |                       |           |          |
| 257PL                  | 2-1/8" deep box                           | 42                            | (8) 1/2",<br>(4) 3/4" | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 258PL                  | 2-1/8" deep box                           | 42                            | (8) 1"                | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 259PL*                 | 2-1/8" deep box                           | 42                            | (4) 1", (4)<br>1-1/4" | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 264PL                  | 2-1/8" deep box                           | 42                            | (12) 3/4"             | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 832PL                  | Gasketed blank cover for 4-11/16" sq. box | —                             | —                     | —                     | 25        | —        |

Notes: \* Not UL Rated

See end of section (Pg A88) for detailed drawings »



## Square Boxes and Covers

### 3-3/4" Square Boxes - Welded with Conduit KOs

**256****911-2****255****911-1**

#### 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

- LISTED

#### Large Capacity Boxes

| Cat. #                                                               | Description             | Cubic Inches (CM³) | Knockouts                 |                          | Std. Pkg. | Bar Code |
|----------------------------------------------------------------------|-------------------------|--------------------|---------------------------|--------------------------|-----------|----------|
|                                                                      |                         |                    | Sides Conduit             | Bottom Conduit           |           |          |
| 3-3/4" Square Boxes, 3-1/2" Deep – Welded with Conduit KOs           |                         |                    |                           |                          |           |          |
| 256                                                                  | —                       | 45.0 (737.4)       | (12) 1/2"-3/4" Concentric | (4) 1/2"-3/4" Concentric | 25        |          |
| 911-2                                                                | Painted Red             | 45.0 (737.4)       | (12) 1/2"-3/4" Concentric | (4) 1/2"-3/4" Concentric | 25        | —        |
| 3-3/4" Square Bracketed Boxes, 3-1/2" Deep – Welded with Conduit KOs |                         |                    |                           |                          |           |          |
| 255                                                                  | FM Bracket              | 45.0 (737.4)       | (10) 1/2"-3/4" Concentric | (4) 1/2"-3/4" Concentric | 10        |          |
| 911-1                                                                | FM Bracket, Painted Red | 45.0 (737.4)       | (10) 1/2"-3/4" Concentric | (4) 1/2"-3/4" Concentric | 10        | —        |

See end of section (Pg A88) for detailed drawings »



## 4" Square Boxes – Welded with Armored Cable / Metal Clad / Flex Clamps



213, 8213



213HWP



224



218, 8218



229 BOX-LOC®

### 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

### 4" Square Boxes

| Cat. #                                                         | Description | Cubic Inches (CM³) | Knockouts     |                   |                | Std. Pkg. | Bar Code |
|----------------------------------------------------------------|-------------|--------------------|---------------|-------------------|----------------|-----------|----------|
|                                                                |             |                    | Cable Priouts | Sides Conduit     | Bottom Conduit |           |          |
| 1-1/2" Deep - Welded with Armored Cable/Metal Clad/Flex Clamps |             |                    |               |                   |                |           |          |
| 213                                                            | 600V        | 21.0 (344.1)       | 4             | (4) 1/2", (2) TKO | (1) 1/2"       | 50        | —        |
| 8213                                                           | 600V        | 21.0 (344.1)       | 4             | (4) 1/2", (2) TKO | (1) 1/2"       | 30        |          |

### Bracketed Box, 1-1/2" Deep – Welded with Armored Cable/Metal Clad/Flex Clamps

|               |                                                                                |              |   |                   |          |    |   |
|---------------|--------------------------------------------------------------------------------|--------------|---|-------------------|----------|----|---|
| <b>213HWP</b> | <b>600V</b> , HM, UBS                                                          | 21.0 (344.1) | 4 | (4) 1/2", (2) TKO | (1) 1/2" | 20 | — |
| <b>224</b>    | <b>600V</b> , B, Flush                                                         | 21.0 (344.1) | 4 | (2) 1/2", (1) TKO | (1) 1/2" | 25 | — |
| <b>218</b>    | <b>600V</b> , FS, Flush                                                        | 21.0 (344.1) | 4 | (2) 1/2", (1) TKO | (1) 1/2" | 25 | — |
| <b>8218</b>   | <b>600V</b> , FS, Flush                                                        | 21.0 (344.1) | 4 | (2) 1/2", (1) TKO | (1) 1/2" | 25 |   |
| <b>229</b>    | <b>600V</b> , BOX-LOC®, (MS) Flush, Provided with Far-side support (part #978) | 21.0 (344.1) | 4 | (2) 1/2"          | (1) 1/2" | 25 |   |

### Compliance

- **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
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

See end of section (Pg A88) for detailed drawings »



## Square Boxes and Covers

### 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

**248****241, 8241****249****248HWP****243 BOX-LOC®**

#### 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

#### Compliance

- **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.
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

#### 4" Square Boxes

| Cat. #                                                                        | Description                                                         | Cubic Inches (Cm3) | Knockouts     |                   |                | Std. Pkg. | Bar Code |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|---------------|-------------------|----------------|-----------|----------|
|                                                                               |                                                                     |                    | Cable Priouts | Sides Conduit     | Bottom Conduit |           |          |
| 2-1/8" Deep – Welded with Armored Cable/Metal Clad/Flex Clamps                |                                                                     |                    |               |                   |                |           |          |
| 248                                                                           | 600V                                                                | 30.3 (496.5)       | 4             | (4) 1/2", (2) TKO | (1) 1/2"       | 25        |          |
| Bracketed Box, 2-1/8" Deep – Welded with Armored Cable/Metal Clad/Flex Clamps |                                                                     |                    |               |                   |                |           |          |
| 241                                                                           | 600V, TS, Flush                                                     | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        | —        |
| 8241                                                                          | 600V, TS, Flush                                                     | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        |          |
| 249                                                                           | 600V, B, Flush                                                      | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        | —        |
| 248HWP                                                                        | 600V, HM Bracket, UBS                                               | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        |          |
| 243                                                                           | 600V, BOX-LOC®, (MS) Flush, Provided w/Far-side support (part #978) | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        |          |

See end of section (Pg A88) for detailed drawings »



## 4" Square Stab-IT® Boxes - Welded with Armored Cable / Metal Clad / Flex Clamps



232S



232MS



232SCM



232MSCM



NEW

232MSHF



NEW

232MSCMHF



244S



244SCM



244MS



NEW

244MSHF



244MSCM



NEW

244MSCMHF



248S



248HS



248MS



NEW

248MSHF

### Applications

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

### Product Features

- Designed for quick installation of flex, MC, MCI, MCI-A, AC, and HCF Cable. Refer to Stab-IT chart on page A-7
- Accepts cable sizes from 14/2 up to 10/3 for most cable types
- Each Stab-IT connector accommodates two cables
- Pre-installed 8" solid #12 pigtail for faster installation

### Compliance

- 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

4" Square Stab-IT Box, 2-1/8" Deep – Welded with Armored Cable/Metal Clad/Flex Clamps

| Cat. #    | Description                                                                           | Cu. In. (CM3) | Cable Priouts | Knockouts                   |                             | Std. Pkg. |
|-----------|---------------------------------------------------------------------------------------|---------------|---------------|-----------------------------|-----------------------------|-----------|
|           |                                                                                       |               |               | Sides Conduit               | Bottom Conduit              |           |
| 232S*     | (1) Stab-IT Connector, w/ Pigtail                                                     | 30.3 (496.5)  | 2             | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 232MS     | (1) Stab-IT Connector, M Brkts., w/ Pigtail & UBS                                     |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 232SCM*   | (1) Stab-IT Connector, w/Pigtail, Cable Mgmt. Clip                                    |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 232MSCM   | (1) Stab-IT Connector, M Brkts., w/Pigtail, Cable Mgmt. Clip & UBS                    |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 232MSHF   | (1) Stab-IT Connector, M Brkts., w/Pigtail & heavy duty UBS                           |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 232MSCMHF | (1) Stab-IT Connector, M Brkts., w/Pigtail, Cable Mgmt. Clip & heavy duty UBS         |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 244S      | (2) Stab-IT Connectors on top, w/Pigtail                                              |               | 4             | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 244SCM    | (2) Stab-IT Connectors on top, w/Pigtail & Cable Mgmt. Clips                          |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 244MS     | (2) Stab-IT Connectors, Connectors on top, M Brkts., w/Pigtail                        |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 244MSHF   | (2) Stab-IT Connectors on top, M brkts., w/Pigtail, & heavy duty UBS                  |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 244MSCM   | (2) Stab-IT Connectors on top, M Brkts., w/Pigtail & UBS                              |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 244MSCMHF | (2) Stab-IT Connectors on top, H Brkt., w/Pigtail, Cable Mgmt. Clips & heavy duty UBS |               |               | (6) 1/2", (3) 1/2"-3/4" TKO | (1) 1/2", (1) 1/2"-3/4" TKO | 25        |
| 248S      | (2) Stab-IT Connectors, w/ Pigtail                                                    |               |               | (4) 1/2", (1) 1/2"-3/4" TKO | (1) 1/2"                    | 25        |
| 248HS     | (2) Stab-IT Connectors, H Brkt., w/Pigtail & UBS                                      |               |               | (4) 1/2", (1) 1/2"-3/4" TKO | (1) 1/2"                    | 25        |
| 248MSHF   | (2) Stab-IT Connectors, M Brkts., w/ Pigtail & heavy duty UBS                         |               |               | (4) 1/2", (1) 1/2"-3/4" TKO | (1) 1/2"                    | 25        |
| 248MS     | (2) Stab-IT Connectors, M Brkts., w/ Pigtail                                          |               |               | (4) 1/2", (1) 1/2"-3/4" TKO | (1) 1/2"                    | 25        |

Notes: \* cULus Listed. All other models are UL Listed. For information on UBS and heavy duty UBS see page A30.

See end of section (Pg A88) for detailed drawings »

## FW Box Assemblies

### PRO Ready 4" Stab-IT® Box Assemblies



Save time and effort!



**FW1.1**



**FW1.7**



**FW1.9**



**FW4.1**



**FW4.7**



**FW4.9**

Save time and labor on any job with RACO ProReady™ box assemblies. Components are pre-assembled, ready to install right out of the box. Ensure quality while reducing material and labor cost, even jobsite waste.

#### Applications

- For any project where flexible armored cable is being used and the electrical needs are repeated throughout the building.

#### Features

- All components preassembled, ready to install
- Open Center Brackets pre-set for either 16" or 24" studs

#### STAB-IT 4" Boxes

- STAB-IT connector holds 2 cables
- Built-in cable management clips provide first means of support
- Model ending in HF feature a Heavy Duty Universal Box Support

#### Adjustable Mud Rings & Hinged Adjustable Mud Rings

- 1/2" to 1-3/8" adjustability range

- All screws inside the ring to eliminate damage from router
- Adjustment screws visible and accessible after the device is installed
- Hinged design allows easy and quick access to install wiring
- For use on wood or metal studs



#### 4" Square Box/Pre-Fab Assemblies

| Catalog #    | Description                                                 | Cu. In. Capacity | Ctn. Qty. |
|--------------|-------------------------------------------------------------|------------------|-----------|
| <b>FW1.1</b> | 232MSCMHF + 773 / 1G - Mud Ring, Raised 3/4" / M Bracket    | 30.3             | 12        |
| <b>FW1.7</b> | 232MSCMHF + 768HAMR/1G Hinged Adjustable Mud Ring/M Bracket | 30.3             | 12        |
| <b>FW1.9</b> | 232MSCMHF + 768AMR / 1G -Adjustable Mud Ring / M Bracket    | 30.3             | 12        |
| <b>FW4.1</b> | 232MSCMHF + 779 / 2G - Mud Ring, Raised 3/4" / M Bracket    | 30.3             | 12        |
| <b>FW4.7</b> | 232MSCMHF + 768HAMR/2G Hinged Adjustable Mud Ring/M Bracket | 30.3             | 12        |
| <b>FW4.9</b> | 232MSCMHF + 769AMR / 2G - Adjustable Mud Ring / M Bracket   | 30.3             | 12        |

## FW Box Assemblies



## 4" Square Box/Pre-Fab Assemblies

| Catalog No.     | Description                                                                                                         | Cu. In. Capacity | Ctn. Qty. |
|-----------------|---------------------------------------------------------------------------------------------------------------------|------------------|-----------|
| <b>FW2.1.16</b> | 9020R + 232SCM + 773 / 1G - Mud Ring, Raised 3/4" / 16" Studs                                                       | 30.3             | 6         |
| <b>FW2.7.16</b> | 9020R + 232SCM + 768HAMR/1G Hinged Adjustable Mud Ring/16" Studs                                                    | 30.3             | 6         |
| <b>FW2.9.16</b> | 9020R + 232SCM + 768AMR / 1G - Adjustable Mud Ring / 16" Studs                                                      | 30.3             | 6         |
| <b>FW3.7.16</b> | 9020R + 232SCM + 231 + (2) 768HAMR/1G Hinged Adjustable Mud Ring/16" Studs                                          | 30.3 + 30.3      | 6         |
| <b>FW5.1.16</b> | 9020R + 232SCM + 779 / 2G - Mud Ring, Raised 3/4" / 16" Studs                                                       | 30.3             | 6         |
| <b>FW5.7.16</b> | 9020R + 232SCM + 768HAMR/2G Hinged Adjustable Mud Ring/16" Studs                                                    | 30.3             | 6         |
| <b>FW5.9.16</b> | 9020R + 232SCM + 769AMR / 2G - Adjustable Mud Ring / 16" Studs                                                      | 30.3             | 6         |
| <b>FW3.1.16</b> | 9020R + 232SCM + 231 + (2) 773 / 1G - Mud Ring, Raised 3/4" / 16" Studs                                             | 30.3             | 6         |
| <b>FW3.9.16</b> | 9020R + 232SCM + 231 + (2) 768AMR / 1G - Adjustable Mud Ring / 16" Studs                                            | 30.3 + 30.3      | 6         |
| <b>FW6.1.16</b> | 9020R + (232SCM + 779) / 2G - Mud Ring, Raised 3/4" + (231 + 773) / 1G - Mud Ring, Raised 3/4" / 16" Studs          | 30.3 + 30.3      | 6         |
| <b>FW6.7.16</b> | 9020R + (232SCM + 768HAMR) 2G Hinged Adjustable Mud Ring + (231 + 769HAMR), 1G Hinged Adjustable Mud Ring/16" Studs | 30.3 + 30.3      | 6         |
| <b>FW6.9.16</b> | 9020R + (232SCM + 869AMR) / 2G - Adj. Mud Ring + (231 + 768AMR) / 1G - Adj. Mud Ring / 16" Studs                    | 30.3 + 30.3      | 6         |
| <b>FW2.1.24</b> | 9020R + 232SCM + 773 / 1G - Mud Ring, Raised 3/4" / 24" Studs                                                       | 30.3             | 6         |
| <b>FW2.7.24</b> | 9020R + 232SCM + 768HAMR 1G Hinged Adjustable Mud Ring/24" Studs                                                    | 30.3             | 6         |
| <b>FW2.9.24</b> | 9020R + 232SCM + 768AMR / 1G - Adjustable Mud Ring / 24" Studs                                                      | 30.3             | 6         |
| <b>FW3.7.24</b> | 9020R + 232SCM + 231 + (2) 768HAMR/1G Hinged Adjustable Mud Ring/24" Studs                                          | 30.3 + 30.3      | 6         |
| <b>FW5.1.24</b> | 9020R + 232SCM + 779 / 2G - Mud Ring, Raised 3/4" / 24" Studs                                                       | 30.3             | 6         |
| <b>FW5.7.24</b> | 9020R + 232SCM + 769HAMR/2G Hinged Adjustable Mud Ring/24" Studs                                                    | 30.3             | 6         |
| <b>FW5.9.24</b> | 9020R + 232SCM + 769AMR / 2G - Adjustable Mud Ring / 24" Studs                                                      | 30.3             | 6         |
| <b>FW3.1.24</b> | 9020R + 232SCM + 231 + (2) 773 / 1G - Mud Ring, Raised 3/4" / 24" Studs                                             | 30.3 + 30.3      | 6         |
| <b>FW3.9.24</b> | 9020R + 232SCM + 231 + (2) 768AMR / 1G - Adj. Mud Ring / 24" Studs                                                  | 30.3 + 30.3      | 6         |
| <b>FW6.1.24</b> | 9020R + (232SCM + 779) / 2G - Mud Ring, Raised 3/4" + (231 + 773) / 1G - Mud Ring, Raised 3/4" / 24" Studs          | 30.3             | 6         |
| <b>FW6.7.24</b> | 9020R + (232SCM + 768HAMR) 2G Hinged Adjustable Mud Ring + (231 + 769HAMR), 1G Hinged Adjustable Mud Ring/24" Studs | 30.3 + 30.3      | 6         |
| <b>FW6.9.24</b> | 9020R + (232SCM + 769AMR) / 2G - Adj. Mud Ring + (231 + 768AMR) / 1G - Adj. Mud Ring / 24" Studs                    | 30.3             | 6         |



## Square Boxes and Covers

### 4" Square Boxes – Welded with Non-Metallic Sheathed Cable Clamps



211, 8211



223



225



242



240, 8240

#### 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

#### 4" Square Boxes

| Cat. #                                                       | Description     | Cubic Inches (CM³) | Knockouts     |                   |                | Std. Pkg. | Bar Code |
|--------------------------------------------------------------|-----------------|--------------------|---------------|-------------------|----------------|-----------|----------|
|                                                              |                 |                    | Cable Priouts | Sides Conduit     | Bottom Conduit |           |          |
| 1-1/2" Deep - Welded with Non-Metallic Sheathed Cable Clamps |                 |                    |               |                   |                |           |          |
| 211                                                          | 600V            | 21.0 (344.1)       | 4             | (4) 1/2", (2) TKO | (1) 1/2"       | 50        | —        |
| 8211                                                         | 600V            | 21.0 (344.1)       | 4             | (4) 1/2", (2) TKO | (1) 1/2"       | 50        |          |
| 223                                                          | 600V, FS, Flush | 21.0 (344.1)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        |          |
| 225                                                          | 600V, B, Flush  | 21.0 (344.1)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        | —        |
| 2-1/8" Deep - Welded with Non-Metallic Sheathed Cable Clamps |                 |                    |               |                   |                |           |          |
| 242                                                          | 600V            | 30.3 (496.5)       | 4             | (4) 1/2", (2) TKO | (1) 1/2"       | 25        | —        |
| 240                                                          | 600V, TS, Flush | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        | —        |
| 8240                                                         | 600V, TS, Flush | 30.3 (496.5)       | 4             | (2) 1/2", (1) TKO | (1) 1/2"       | 25        |          |

#### Compliance

-  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.
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

See end of section (Pg A88) for detailed drawings »

## Square Boxes and Covers

### 4" Square Covers



752, 8752



753, 8753



754



911-8



787

774, 775, 8775  
782771, 8771, 772, 8772  
773, 8773, 768, 8768

785, 786

#### 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

-  US LISTED

#### 4" Square Covers

| Catalog #          | Description              | Cubic Inches (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|--------------------|--------------------------|---------------------------------|-----------|----------|
| <b>Flat Covers</b> |                          |                                 |           |          |
| 752                | Flat, Blank              | —                               | 50        | —        |
| 8752               | Flat, Blank              | —                               | 50        |          |
| 753                | Flat, 1/2" KO in Center  | —                               | 50        | —        |
| 8753               | Flat, 1/2" KO in Center  | —                               | 50        |          |
| 754                | Flat, 3/4" KO in Center  | —                               | 50        | —        |
| 911-8              | Flat, Blank, Painted Red | —                               | 50        |          |

#### Single Device Covers

|      |                   |              |     |   |
|------|-------------------|--------------|-----|---|
| 787  | Flat              | —            | 25  |   |
| 771  | Raised 1/4"       | 1.5 (24.6)   | 100 | — |
| 8771 | Raised 1/4"       | 1.5 (24.6)   | 10  |   |
| 782  | Raised 1/2" Tile  | 3.5 (57.3)   | 25  |   |
| 772  | Raised 1/2" Drawn | 3.5 (57.3)   | 100 | — |
| 8772 | Raised 1/2" Drawn | 3.5 (57.3)   | 50  |   |
| 768  | Raised 5/8"       | 4.5 (73.7)   | 50  | — |
| 8768 | Raised 5/8"       | 4.5 (73.7)   | 25  |   |
| 773  | Raised 3/4"       | 5.5 (90.1)   | 50  | — |
| 8773 | Raised 3/4"       | 5.5 (90.1)   | 24  |   |
| 774  | Raised 1"         | 7.5 (122.9)  | 25  |   |
| 775  | Raised 1-1/4"     | 9.5 (115.6)  | 25  | — |
| 8775 | Raised 1-1/4"     | 9.5 (115.6)  | 25  |   |
| 785  | Raised 1-1/2"     | 11.3 (185.2) | 25  | — |
| 786  | Raised 2"         | 14.5 (237.6) | 25  | — |

## Square Boxes and Covers

### 4" Square Covers



791



777, 8777-0



778, 8778



769, 8769



779, 8779



780



781, 8781



795, 796

#### 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

#### Compliance

-  US LISTED

#### 4" Square Two Device and Tile Covers

| Catalog # | Description            | Cubic Inches (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|-----------|------------------------|---------------------------------|-----------|----------|
| 791       | Flat                   | —                               | 25        |          |
| 777       | Raised, 1/4", Drawn    | 3.0 (49.2)                      | 50        | —        |
| 8777-0    | Raised, 1/4", Drawn    | 3.0 (49.2)                      | 10        |          |
| 778       | Raised, 1/2", Drawn    | 5.5 (90.1)                      | 50        | —        |
| 8778      | Raised, 1/2", Drawn    | 5.5 (90.1)                      | 25        |          |
| 769       | Raised, 5/8", Drawn    | 7.3 (119.6)                     | 50        | —        |
| 8769      | Raised, 5/8", Drawn    | 7.3 (119.6)                     | 25        |          |
| 779       | Raised, 3/4", Drawn    | 8.8 (144.2)                     | 50        | —        |
| 8779      | Raised, 3/4", Drawn    | 8.8 (144.2)                     | 25        |          |
| 780       | Raised, 1", Drawn      | 12.0 (196.6)                    | 25        |          |
| 781       | Raised, 1-1/4", Drawn  | 15.0 (245.8)                    | 25        | —        |
| 8781      | Raised, 1-1/4", Drawn  | 15.0 (245.8)                    | 25        |          |
| 795       | Raised, 1-1/2", Welded | 15.5 (253.9)                    | 25        | —        |
| 796       | Raised, 2", Welded     | 20.5 (335.9)                    | 25        | —        |

## Square Boxes and Covers

### Stud Mount Mud Rings



768B



773B



769B

#### Applications

- RACO Stud-Mount Mud Rings provide secure support for 4" square boxes and feature a built-in mud ring.

#### Product Features

- Rigid bracket design eliminates the need for far-side support
- Ability to eliminate electrical boxes in low-voltage installations
- Can be installed from both sides of steel studs
- Positive posting tabs ensure consistent alignment on stud
- Center window for accurate positioning
- Works with all box depths and stud sizes with no adjustment required
- Mounts quickly and easily to face of stud

#### 4" Stud Mount Mud Rings

| Catalog # | Description            | Wt. Lbs. Per 100 | Cubic Inches | Std. Pkg. | Bar Code |
|-----------|------------------------|------------------|--------------|-----------|----------|
| 768B      | One Device Raised 5/8" | 44               | 4.5          | 25        |          |
| 773B      | One Device Raised 3/4" | 47               | 5.5          | 25        |          |
| 769B      | Two Device Raised 5/8" | 40               | 7.3          | 20        |          |

#### Compliance



# Square Boxes and Covers

## Hinged Mud Rings



772H



768H



773H



778H



769H



779H

### Applications

- Perfect for boxes mounted behind drywall or ceramic tile in commercial or residential applications

### Product Features

- Unique design allows for mud ring to be opened in the field
- Hinged design allows for easy and quick access to install conduit connectors and wiring
- Accepts all standard devices
- 2-gang versions accept low voltage partitions

### Compliance

-  LISTED

### Hinged Mud Rings for 4" Square Boxes

| Catalog # | Description                        | Std. Pkg. | Bar Code |
|-----------|------------------------------------|-----------|----------|
| 772H      | 1-Gang Hinged Mud Ring 1/2" Raised | 25        |          |
| 768H      | 1-Gang Hinged Mud Ring 5/8" Raised | 25        |          |
| 773H      | 1-Gang Hinged Mud Ring 3/4" Raised | 25        |          |
| 778H      | 2-Gang Hinged Mud Ring 1/2" Raised | 25        |          |
| 769H      | 2-Gang Hinged Mud Ring 5/8" Raised | 25        |          |
| 779H      | 2-Gang Hinged Mud Ring 3/4" Raised | 25        |          |

## Square Boxes and Covers

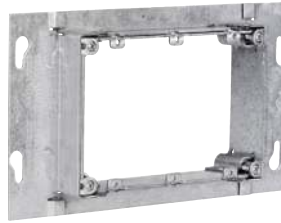
### Adjustable Mud Rings



768AMR, 8768AMR



769AMR, 8769AMR



822AMR



756AMR

#### 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

#### Adjustable Mud Rings

| Catalog #      | Description                                  | Std. Pkg. | Bar Code |
|----------------|----------------------------------------------|-----------|----------|
| <b>768AMR</b>  | 1-Gang Adjustable Mud Ring For 4" Sq. Boxes  | 25        | —        |
| <b>8768AMR</b> | 1-Gang Adjustable Mud Ring For 4" Sq. Boxes  | 10        |          |
| <b>769AMR</b>  | 2-Gang Adjustable Mud Ring For 4" Sq. Boxes  | 25        | —        |
| <b>8769AMR</b> | 2-Gang Adjustable Mud Ring For 4" Sq. Boxes  | 10        |          |
| <b>822AMR</b>  | 3-Gang Adjustable Round Mud Ring For 942 Box | 10        | —        |
| <b>756AMR</b>  | Adjustable Round Mud Ring For 4" Sq. Boxes   | 25        | —        |

#### Compliance

-  US LISTED

## Square Boxes and Covers

### Hinged Adjustable Mud Rings



768HAMR



769HAMR



843HAMR



818HAMR

#### Applications

- Maintain code-compliant installations in hospitals, health care and multi-family applications. Perfect for boxes mounted behind drywall or ceramic tile.

#### Product Features

- 1/2" to 1-3/8" adjustability range
- Available for 4" square and 4-11/16" square boxes
- 1-Gang and 2-Gang versions
- Hinged design allows easy and quick access to install conduit connectors and wiring
- Adjustment screws are clearly visible and accessible even after device is installed
- Unique design allows for mud ring to be opened in the field
- Design allows 2-gang cover to be installed without removing box screws
- For use with 2-1/8" deep boxes

#### Compliance

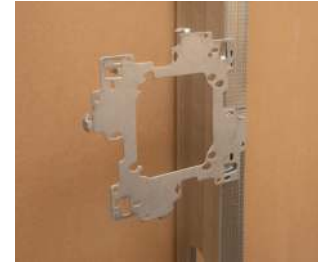
-  LISTED

#### Hinged Adjustable Mud Rings

| Catalog #                        | Description                       | Std. Pkg. | Bar Code |
|----------------------------------|-----------------------------------|-----------|----------|
| <b>For 4" Square Boxes</b>       |                                   |           |          |
| <b>768HAMR</b>                   | 1-Gang Hinged Adjustable Mud Ring | 25        | —        |
| <b>769HAMR</b>                   | 2-Gang Hinged Adjustable Mud Ring | 25        | —        |
| <b>For 4-11/16" Square Boxes</b> |                                   |           |          |
| <b>843HAMR</b>                   | 1-Gang Hinged Adjustable Mud Ring | 25        | —        |
| <b>818HAMR</b>                   | 2-Gang Hinged Adjustable Mud Ring | 25        | —        |

*Notes: Saves time and improves productivity.*

# Universal Stud Mount Brackets



USMB



USMB134



USMB158



USMB234



USMB258



USMB1A



USMB2A

## Applications

- RACO Universal Stud Mount Brackets provide secure support for 4" and 4-11/16" square boxes on metal studs.

## Product Features

- Snap to metal stud or to an open center bracket\* makes installation hands free, saving time and increasing productivity
- Rigid bracket design eliminates the need for far-side support
- Ability to eliminate electrical boxes in low-voltage installations
- Can be mounted vertically or horizontally
- Mounts to either side of the stud and can be mounted side by side on the same stud
- Positive Posting Tabs ensure consistent alignment on stud
- Center window for accurate positioning
- Works with all box depths and stud sizes with no adjustment required
- Universal Stud Mount Bracket works with any mud ring

## Universal Stud Mount Brackets

| Catalog # | Description                                                     | Carton Unit Qty. | Carton Dimensions H x W x D (in.) | Carton I2of5   |
|-----------|-----------------------------------------------------------------|------------------|-----------------------------------|----------------|
| USMB      | Universal Stud Mount Bracket                                    | 20               | 7.500 x 8.375 x 8.375             | 50050169985569 |
| USMB134   | Universal Stud Mount Bracket Single Device 3/4" Raised Mud Ring | 20               | 8.500 x 8.250 x 12.375            | 50050169985576 |
| USMB158   | Universal Stud Mount Bracket Single Device 5/8" Raised Mud Ring | 20               | 7.375 x 8.250 x 12.375            | 50050169985583 |
| USMB234   | Universal Stud Mount Bracket Two Device 3/4" Raised Mud Ring    | 20               | 8.500 x 8.250 x 12.375            | 50050169985590 |
| USMB258   | Universal Stud Mount Bracket Two Device 5/8" Raised Mud Ring    | 20               | 7.375 x 8.250 x 12.375            | 50050169985606 |
| USMB1A    | Universal Stud Mount Bracket Single Device Adjustable Mud Ring  | 20               | 8.875 x 9.750 x 14.000            | 50050169985620 |
| USMB2A    | Universal Stud Mount Bracket Two Device Adjustable Mud Ring     | 20               | 8.875 x 12.250 x 14.813           | 50050169985637 |

Notes: Works with open center bracket item 9030G.

## Compliance

-  US LISTED

# Ultimate G Series Mounting Brackets

**9030GP****232GSCM****252GSCM****768HAMRGH****768HAMRG****769HAMRG****9030G****995**

Maximize your flexibility and productivity with the Ultimate G series brackets from RACO. The gangable design saves time and effort on the jobsite, allowing for hands-free installation. Snap on to any stud or to the new open center bracket. Ideal for prefab applications.

## Applications

- Ideal for prefab applications, the Ultimate G series brackets work with both 4" boxes and mud rings or 4-11/16" boxes and mud rings, mount to studs or open center bracket.

## Product Features

- Snap to stud or open center bracket for hands-free installation
- Save time and increase productivity
- For low-voltage installations the bracket can be used without electrical boxes
- Mounts to either side of the stud
- Gangable, making it easy to add boxes on either side
- Positive posting tabs ensure consistent alignment on the stud
- Center window for accurate positioning
- Works with all box depths and stud sizes with no adjustment required
- Available with integrated Hinged Adjustable Mud Rings
- 232GSCM and 252GSCM feature our STAB-iT® boxes with cable management

## Ultimate G Series Mounting Brackets

| Catalog #        | Description                                                           | Carton Unit Qty. | Carton Dimensions H x W x D (in.) | Carton 12of5   |
|------------------|-----------------------------------------------------------------------|------------------|-----------------------------------|----------------|
| <b>9030GP</b>    | Ultimate G series mounting bracket                                    | 25               | 9.740 x 6.500 x 9.000 x 13.250    | 50050169985491 |
| <b>232GSCM</b>   | Ultimate G series mounting bracket with 4 In STAB-iT box              | 12               | 16.320 x 8.000 x 13.000 x 13.750  | 50050169985507 |
| <b>252GSCM</b>   | Ultimate G series mounting bracket 4-11/16 STAB-iT II box             | 12               | 19.900 x 8.000 x 13.000 x 15.125  | 50050169985514 |
| <b>768HAMRGH</b> | Ultimate G series mounting bracket single device horizontal with HAMR | 20               | 21.200 x 7.500 x 13.000 x 16x000  | 50050169985521 |
| <b>768HAMRG</b>  | Ultimate G series mounting bracket single device with HAMR            | 20               | 21.200 x 7.500 x 13.000 x 16x000  | 50050169985538 |
| <b>769HAMRG</b>  | Ultimate G series mounting bracket two device with HAMR               | 20               | 21.200 x 7.500 x 13.000 x 16x000  | 50050169985545 |
| <b>9030G</b>     | Open center bracket for G & S series                                  | 25               | 21.200 x 7.500 x 13.000 x 16x000  | 50050169985484 |
| <b>995</b>       | Box support bracket - Ultimate G series                               | 50               | 21.200 x 7.500 x 13.000 x 16x000  | 50050169985552 |

## Square Boxes and Covers

### 4" Square Partitions

#### 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 divides 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



706RAC



707RAC



709

#### Low Voltage Partitions

| Cat. #                                             | Description                                                                         | Std. Pkg. | Bar Code |
|----------------------------------------------------|-------------------------------------------------------------------------------------|-----------|----------|
| <b>For 1-1/2" Depth Boxes and 2-Device Covers</b>  |                                                                                     |           |          |
| 706RAC                                             | Fits 1/4" to 1" Cover Depth<br>(#777, 8777-0, 778, 769, 8769, 8778, 779, 8779, 780) | 25        | —        |
| <b>For 2-1/8" Depth Boxes and 2-Device Covers*</b> |                                                                                     |           |          |
| 707RAC                                             | Fits 1/4" to 1" Cover Depth<br>(#777, 8777-0, 778, 769, 8769, 8778, 779, 8779, 780) | 25        | —        |
| 709                                                | Fits 1-1/4", 1-1/2" or 2" Cover Depth<br>(#781, 8781, 795, 796)                     | 25        | —        |

Notes: Boxes, covers, and partitions must be ordered separately.

For 5/8" cover depth, use the 3/4" break.

Partitions are usable but not UL listed for 4-11/16" sq. box.

### 4" Square Fixture Covers

#### Applications

- Raised fixture covers are used where fixtures will be installed

#### Product Features

- Angled mounting slots compensate up to 12° for box misalignment
- Swivel covers restricted to 20° swing from vertical
- KWIK-HANG® 897KH allows easy installation of high bay lighting fixtures. Fixture rests in position while wiring is completed

#### Compliance

- UL US LISTED

756-759, 767,  
8756, 8767

897KH

#### 4" Square Covers

| Cat. #                | Description                                    | Cubic Inches (Cm3) | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|-----------------------|------------------------------------------------|--------------------|----------------------------|-----------------------|-----------|----------|
|                       |                                                |                    | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| Fixture Covers        |                                                |                    |                            |                       |           |          |
| 767                   | Raised, 1/2" Open, Ears 2-3/4" O.C.            | 3.0 (49.2)         | No                         | 50                    | 25        | —        |
| 8767                  | Raised, 1/2" Open, Ears 2-3/4" O.C.            | 3.0 (49.2)         | No                         | 50                    | 25        |          |
| 756                   | Raised, 5/8" Open, Ears 2-3/4" O.C.            | 4.0 (65.5)         | No                         | 50                    | 100       | —        |
| 8756                  | Raised, 5/8" Open, Ears 2-3/4" O.C.            | 4.0 (65.5)         | No                         | 50                    | 25        |          |
| 759                   | Raised, 3/4" Open, Ears 2-3/4" O.C.            | 5.0 (81.9)         | No                         | 50                    | 25        |          |
| 757                   | Raised, 1" Open, Ears 2-3/4" O.C.              | 6.8 (111.4)        | No                         | 50                    | 25        |          |
| 758                   | Raised, 1-1/4" Open, Ears 2-3/4" O.C.          | 8.5 (139.3)        | No                         | 50                    | 25        | —        |
| Swivel Fixture Covers |                                                |                    |                            |                       |           |          |
| 897KH                 | KWIK-HANG® for 4" Sq. Boxes, 1/2" or 3/4" Pipe | —                  | No                         | 50                    | 25        |          |

## Square Boxes and Covers



### 4" Square Exposed Work Covers



800C



801C



803C



804C



805C



806C



807C



808C



808U



809C



809U



810C



811C



811U



812C



813C



814C



831C



902C



906C



907C



915C

### 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

- Exposed work covers include screws and nuts where required
- 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

### Compliance



### 4" Square Exposed Work Covers

| Catalog #                                  | Description                                  | Cubic In. (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|--------------------------------------------|----------------------------------------------|------------------------------|-----------|----------|
| <b>Crushed Corner Covers - Raised 1/2"</b> |                                              |                              |           |          |
| 800C                                       | 1 Toggle Switch                              | 6.5 (106.5)                  | 10        |          |
| 801C                                       | 1 Receptacle 1.406" Dia.                     | 6.5 (106.5)                  | 10        |          |
| 803C                                       | 2 Toggle Switches                            | 6.5 (106.5)                  | 10        |          |
| 804C                                       | Blank, No Holes                              | 6.5 (106.5)                  | 10        |          |
| 805C                                       | 1 Toggle Switch and 1 Receptacle 1.406" Dia. | 6.5 (106.5)                  | 10        |          |
| 806C                                       | 1 Duplex and 1 Receptacle 1.406" Dia.        | 6.5 (106.5)                  | 10        |          |
| 807C                                       | 2 Receptacles 1.406" Dia.                    | 6.5 (106.5)                  | 10        |          |
| 808C                                       | 1 GFCI                                       | 6.5 (106.5)                  | 10        |          |
| 809C                                       | 2 GFCI                                       | 6.5 (106.5)                  | 10        |          |
| 810C                                       | 30A-50A Receptacle 2.141" Dia.               | 6.5 (106.5)                  | 10        |          |
| 811C                                       | 30A Locking 1.719" Dia.                      | 6.5 (106.5)                  | 10        |          |
| 812C                                       | 20A Receptacle 1.620" Dia.                   | 6.5 (106.5)                  | 10        |          |
| 813C                                       | 30-60A Receptacle 2.625" Dia.                | 6.5 (106.5)                  | 10        |          |
| 814C                                       | 1 GFCI and 1 Toggle Switch                   | 6.5 (106.5)                  | 10        |          |
| 831C                                       | 1 Duplex, 1 20A, 1.620" Dia.                 | 6.5 (106.5)                  | 10        |          |
| 902C                                       | 1 Duplex Receptacle                          | 6.5 (106.5)                  | 10        |          |
| 906C                                       | 1 Duplex Receptacle and 1 Toggle Switch      | 6.5 (106.5)                  | 10        |          |
| 907C                                       | 2 Duplex Receptacles                         | 6.5 (106.5)                  | 10        |          |
| 915C                                       | 1 GFCI and 1 Duplex Receptacle               | 6.5 (106.5)                  | 10        |          |

### Universal Crushed Corner Covers - Raised 1/2", Insert Plates

|      |                                                                                    |             |    |  |
|------|------------------------------------------------------------------------------------|-------------|----|--|
| 808U | Universal for 1 Device: 1 GFCI, 1 Duplex, 1 Toggle                                 | 6.5 (106.5) | 10 |  |
| 809U | Universal for 2 Devices: 2 GFCI, 2 Duplex or 2 Toggle                              | 6.5 (106.5) | 10 |  |
| 811U | Universal for 1 Round Device: 1.405" Dia. Hole, 1.620" Dia. Hole, 1.709" Dia. Hole | 6.5 (106.5) | 10 |  |



## 4-11/16" Square Boxes and Extension Rings – Drawn with Conduit KOs



245



246



247



250



262

## 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 inch capacity or as an outlet box for surface conduit

## Product Features

- Combination screw heads provide for faster installation

## Compliance



## 4-11/16" Square Boxes, 1-1/2" Deep – Drawn with Conduit KOs

| Cat. # | Description | Cubic Inches (CM <sup>3</sup> ) | Knockouts             |                       | Std. Pkg. | Bar Code |
|--------|-------------|---------------------------------|-----------------------|-----------------------|-----------|----------|
|        |             |                                 | Sides Conduit         | Bottom Conduit        |           |          |
| 245    | —           | 29.5<br>(483.4)                 | (12) 1/2"             | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 246    | —           | 29.5<br>(483.4)                 | (10) 3/4"             | (3) 1/2",<br>(2) 3/4" | 25        | —        |
| 247    | —           | 29.5<br>(483.4)                 | (8) 1/2",<br>(4) 3/4" | (3) 1/2",<br>(2) 3/4" | 25        | —        |

## 4-11/16" Square Extension Rings – Drawn with Conduit KOs

| Cat. # | Description  | Cubic Inches (CM <sup>3</sup> ) | Knockouts             |                | Std. Pkg. | Bar Code |
|--------|--------------|---------------------------------|-----------------------|----------------|-----------|----------|
|        |              |                                 | Sides Conduit         | Bottom Conduit |           |          |
| 250    | 1-1/2" Depth | 29.5<br>(483.4)                 | (8) 1/2",<br>(4) 3/4" | —              | 25        | —        |
| 262    | 2-1/8" Depth | 43.0<br>(704.6)                 | (8) 1/2",<br>(4) 3/4" | —              | 25        |          |

See end of section (Pg A79) for detailed drawings »

# Square Boxes and Covers



## Stab-IT II - 4-11/16" Square Boxes

### Applications

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

### Product Features

- Accepts larger cable, including PC-PCS luminaire cables for smart building applications
- 3 times faster than traditional connectors
- Each Stab-IT connector accommodates three cables
- Available with built-in cable management clip, offering first means of support
- Available with "M" brackets for stud mounting
- Pre-installed 8" solid #12 pigtail for faster
- Suitable for use without a bonding jumper in circuits up to 600 volts
- Improved design allows each cable to easily be removed, allows connector to be reused

### Compliance

- US LISTED



4-11/16" Square Stab-IT® Box, 2-1/8" Deep – Welded with Armored Cable/Metal Clad/Flex Clamps

| Cat. #    | Description                                                                      | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |                                   |                                | Std. Pkg. | Bar Code |
|-----------|----------------------------------------------------------------------------------|---------------------------------|---------------|-----------------------------------|--------------------------------|-----------|----------|
|           |                                                                                  |                                 | Cable Priouts | Sides Conduit                     | Bottom Conduit                 |           |          |
| 252S*     | (1) Stab-IT II Connector, w/Pigtail                                              | 42.0 (688.3)                    | 3             | (9) 1/2"-3/4",<br>(1) 3/4"-1" TKO | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 252SCM*   | (1) Stab-IT II Connector, w/Pigtail, & Cable Mgmt. Clip                          |                                 |               | (9) 1/2"-3/4",<br>(1) 3/4"-1" TKO | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 252MS*    | (1) Stab-IT II Connector, M brkts., w/Pigtail & UBS                              |                                 |               | (9) 1/2"-3/4",<br>(1) 3/4"-1" TKO | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 252MSCM*  | (1) Stab-IT II Connector, M brkts., w/Pigtail, Cable Mgmt. Clip & UBS            |                                 |               | (9) 1/2"-3/4",<br>(1) 3/4"-1" TKO | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 252MSCMHF | (1) Stab-IT II Connector, M brkts., w/Pigtail, Cable Mgmt. Clip & heavy duty UBS |                                 |               | (9) 1/2"-3/4",<br>(1) 3/4"-1" TKO | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 252MSHF   | (1) Stab-IT II Connector, M brkts., w/pigtail & heavy duty UBS                   |                                 |               | (9) 1/2"-3/4",<br>(1) 3/4"-1" TKO | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 254S*     | (2) Stab-IT II Connectors on top, w/pigtail                                      | 6                               | 6             | (8) 1/2"-3/4" TKO                 | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 254SCM*   | (2) Stab-IT II Connectors on top, w/Pigtail, Cable Mgmt. Clips & UBS             |                                 |               | (8) 1/2"-3/4" TKO                 | (1) 1/2",<br>(1) 1/2"-3/4" TKO | 25        | —        |
| 987       | Heavy duty Universal Box Support (UBS)                                           | —                               | —             | —                                 | —                              | 25        | —        |

Notes: \* cULus Listed. All other models are UL Listed.



New, Heavy Duty UBS (987), accommodates 2.5" - 6" stud depths featured on models ending in HF

See end of section (Pg A89) for detailed drawings »

All models with an "M" or "H" after the 3 digit number feature RACO's Universal Box Support. This excludes part numbers ending with "HF"

## 4-11/16" Stab-IT® II Box Assemblies for Pre-Fab



Save time and effort!



AW1.1



AW1.7



AW1.9



AW4.1



AW4.7



AW4.9

Save time and labor on any job with RACO ProReady™ prefab assemblies. Components are pre-assembled, ready to install right out of the box. Ensure quality while reducing material and labor cost, even jobsite waste.

### Applications

- For any job where flexible armored cable is use and the project has repeating electrical needs.

### Features

- All components preassembled, ready to install
- Open Center Brackets pre-set for either 16" or 24" studs

### Stab-IT II 4-11/16" Boxes

- Stab-IT connector holds 3 cables
- Built-in cable management clips provide first means of support

- Model ending in HF feature a Heavy Duty Universal Box Support

### Adjustable Mud Rings & Hinged Adjustable Mud Rings

- 1/2" to 1-3/8" adjustability range
- All screws inside the ring to eliminate damage from router
- Adjustment screws visible and accessible after the device is installed
- Hinged design allows easy and quick access to install wiring
- For use on wood or metal studs
- Designed and assembled in USA



### Components

- 252MSCMHF: 4-11/16" Sq., 2-1/8" deep, (1) STAB-IT II connector, M Bracket, Pigtail Heavy Duty Universal Box Support, and Cable Management Clip
- 252SCM: 4-11/16" Sq., 2-1/8" deep, (1) STAB-IT II connector, Pigtail and Cable Management Clip
- 265: 4-11/16" Sq., 2-1/8" deep, Raised Ground
- 9020R: Adjustable Open Center Bracket - 16" to 24"
- 838: 1G Fixed Mud Ring 3/4"
- 840: 2G Fixed Mud Ring 3/4"
- 868AMR: 1G Adjustable Mud Ring
- 869AMR: 2G Adjustable Mud Ring
- 843HAMR 1G Hinged Adjustable Mud Ring
- 818HAMR 2G Hinged Adjustable Mud Ring

### 4-11/16" Square Box/Pre-Fab Assemblies

| Catalog # | Description                                                 | Cu. In. Capacity | Ctn. Qty. |
|-----------|-------------------------------------------------------------|------------------|-----------|
| AW1.1     | 252MSCMHF + 838 / 1G - Mud Ring, Raised 3/4" / M Bracket    | 42.0             | 12        |
| AW1.7     | 252MSCMHF + 843HAMR/1G Hinged Adjustable Mud Ring/M Bracket | 42.0             | 12        |
| AW1.9     | 252MSCMHF + 868AMR / 1G -Adjustable Mud Ring / M Bracket    | 42.0             | 10        |
| AW4.1     | 252MSCMHF + 840 / 2G - Mud Ring, Raised 3/4" / M Bracket    | 42.0             | 12        |
| AW4.7     | 252MSCMHF + 818HAMR/2G Hinged Adjustable Mud Ring/M Bracket | 42.0             | 12        |
| AW4.9     | 252MSCMHF + 869AMR / 2G - Adjustable Mud Ring / M Bracket   | 42.0             | 10        |

# AW Box Assemblies



## 4-11/16" Square Box/Pre-Fab Assemblies

| Catalog No.     | Description                                                                                                           | Cu. In. Capacity | Ctn. Qty. |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------|-----------|
| <b>AW2.1.16</b> | 9020R + 252SCM + 838 / 1G - Mud Ring, Raised 3/4" / 16" Studs                                                         | 42.0             | 6         |
| <b>AW2.7.16</b> | 9020R + 252SCM + 843HAMR/1G Hinged Adjustable Mud Ring/16" Studs                                                      | 42.0             | 6         |
| <b>AW2.9.16</b> | 9020R + 252SCM + 868AMR / 1G - Adjustable Mud Ring / 16" Studs                                                        | 42.0             | 6         |
| <b>AW5.1.16</b> | 9020R + 252SCM + 840 / 2G - Mud Ring, Raised 3/4" / 16" Studs                                                         | 42.0             | 6         |
| <b>AW5.7.16</b> | 9020R + 252SCM + 818HAMR/2G Hinged Adjustable Mud Ring/16" Studs                                                      | 42.0             | 6         |
| <b>AW5.9.16</b> | 9020R + 252SCM + 869AMR / 2G - Adjustable Mud Ring / 16" Studs                                                        | 42.0             | 6         |
| <b>AW3.1.16</b> | 9020R + 252SCM + 265 + (2) 838 / 1G - Mud Ring, Raised 3/4" / 16" Studs                                               | 42.0             | 6         |
| <b>AW3.7.16</b> | 9020R + 252SCM + 265 + (2) 843HAMR/1G Hinged Adjustable Mud Ring/16" Studs                                            | 42.0 + 42.0      | 6         |
| <b>AW3.9.16</b> | 9020R + 252SCM + 265 + (2) 868AMR / 1G - Adjustable Mud Ring / 16" Studs                                              | 42.0             | 6         |
| <b>AW6.1.16</b> | "9020R + (252SCM + 840) / 2G - Mud Ring, Raised 3/4" + (265 + 838) / 1G - Mud Ring, Raised 3/4" / 16" Studs"          | 42.0 + 42.0      | 6         |
| <b>AW6.7.16</b> | "9020R + (252SCM + 818HAMR) 2G Hinged Adjustable Mud Ring + (265 + 843HAMR), 1G Hinged Adjustable Mud Ring/16" Studs" | 42.0 + 42.0      | 6         |
| <b>AW6.9.16</b> | "9020R + (252SCM + 869AMR) / 2G - Adj. Mud Ring + (265 + 868AMR) / 1G - Adj. Mud Ring / 16" Studs"                    | 42.0             | 6         |
| <b>AW2.1.24</b> | 9020R + 252SCM + 838 / 1G - Mud Ring, Raised 3/4" / 24" Studs                                                         | 42.0             | 6         |
| <b>AW2.7.24</b> | 9020R + 252SCM + 843HAMR 1G Hinged Adjustable Mud Ring/24" Studs                                                      | 42.0             | 6         |
| <b>AW2.9.24</b> | 9020R + 252SCM + 868AMR / 1G - Adjustable Mud Ring / 24" Studs                                                        | 42.0             | 6         |
| <b>AW3.7.24</b> | 9020R + 252SCM + 265 + (2) 843HAMR/1G Hinged Adjustable Mud Ring/24" Studs                                            | 42.0 + 42.0      | 6         |
| <b>AW5.1.24</b> | 9020R + 252SCM + 840 / 2G - Mud Ring, Raised 3/4" / 24" Studs                                                         | 42.0             | 6         |
| <b>AW5.7.24</b> | 9020R + 252SCM + 818HAMR/2G Hinged Adjustable Mud Ring/24" Studs                                                      | 42.0             | 6         |
| <b>AW5.9.24</b> | 9020R + 252SCM + 869AMR / 2G - Adjustable Mud Ring / 24" Studs                                                        | 42.0             | 6         |
| <b>AW3.1.24</b> | 9020R + 252SCM + 265 + (2) 838 / 1G - Mud Ring, Raised 3/4" / 24" Studs                                               | 42.0 + 42.0      | 6         |
| <b>AW3.9.24</b> | 9020R + 252SCM + 265 + (2) 868AMR / 1G - Adj. Mud Ring / 24" Studs                                                    | 42.0 + 42.0      | 6         |
| <b>AW6.1.24</b> | 9020R + (252SCM + 840) / 2G - Mud Ring, Raised 3/4" + (265 + 838) / 1G - Mud Ring, Raised 3/4" / 24" Studs            | 42.0 + 42.0      | 6         |
| <b>AW6.7.24</b> | "9020R + (252SCM + 818HAMR) 2G Hinged Adjustable Mud Ring + (265 + 843HAMR), 1G Hinged Adjustable Mud Ring/24" Studs" | 42.0 + 42.0      | 6         |
| <b>AW6.9.24</b> | "9020R + (252SCM + 869AMR) / 2G - Adj. Mud Ring + (265 + 868AMR) / 1G - Adj. Mud Ring / 24" Studs"                    | 42.0 + 42.0      | 6         |



## 4-11/16" Square Boxes – Welded with Conduit KOs



## 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

## 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 allow for design and installation flexibility
- UBS Support - Welded to box, preset bend points to work with wall thickness 2-1/2" to 6"
- Red boxes, covers and extensions for dedicated life safety alarm circuits

## Compliance

- LISTED
- 600V, Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts

See end of section (Pg A89) for detailed drawings »

## 4-11/16" Square Boxes

| Cat. #                                                 | Description                                                                      | Cubic Inches (CM <sup>3</sup> ) | Knockouts        |                   | Std. Pkg. | Bar Code |
|--------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------|------------------|-------------------|-----------|----------|
|                                                        |                                                                                  |                                 | Sides Conduit    | Bottom Conduit    |           |          |
| 2-1/8" Deep – Welded with Conduit KOs                  |                                                                                  |                                 |                  |                   |           |          |
| 257                                                    | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (12) TKO         | (1) 1/2", (3) TKO | 25        | —        |
| 8257                                                   | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (12) TKO         | (1) 1/2", (3) TKO | 25        |          |
| 8257SP                                                 | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (12) TKO         | (1) 1/2", (3) TKO | 20        |          |
| 258                                                    | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (8) 1"           | (1) 1/2", (3) TKO | 25        | —        |
| 259*                                                   | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (6) 1-1/4"       | (1) 1/2", (3) TKO | 25        | —        |
| 265                                                    | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (4) 3/4", (4) 1" | (1) 1/2", (3) TKO | 25        | —        |
| 8265                                                   | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (4) 3/4", (4) 1" | (1) 1/2", (3) TKO | 25        |          |
| 8265SP                                                 | 600V, Raised Ground                                                              | 42.0 (688.2)                    | (4) 3/4", (4) 1" | (1) 1/2", (3) TKO | 20        |          |
| 911-12                                                 | 600V, Raised Ground, Painted Red                                                 | 42.0 (688.2)                    | (12) TKO         | (1) 1/2", (3) TKO | 25        | —        |
| 257SM                                                  | 600V, Raised Ground, 10" #12 Stranded Copper Pigtail                             | 42.0 (688.2)                    | (12) TKO         | (1) 1/2" (3) TKO  | 25        |          |
| 258SM                                                  | 600V, Raised Ground, 10" #12 Stranded Copper Pigtail                             | 42.0 (688.2)                    | (8) 1"           | (1) 1/2" (3) TKO  | 25        |          |
| 257F                                                   | 600V, Raised Ground, 8" #12 Solid Copper Pigtail, UBS                            | 42.0 (688.2)                    | (12) TKO         | (1) 1/2" (3) TKO  | 20        | —        |
| Bracketed Boxes, 2-1/8" Deep – Welded with Conduit KOs |                                                                                  |                                 |                  |                   |           |          |
| 257H                                                   | 600V, Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM                        | 42.0 (688.2)                    | (12) TKO         | (1) 1/2" (3) TKO  | 20        | —        |
| 257HS                                                  | 600V, Raised Ground, 10" #12 Stranded Copper Pigtail, UBS, HM                    | 42.0 (688.2)                    | (12) TKO         | (1) 1/2" (3) TKO  | 20        | —        |
| 257M                                                   | 600V, Raised Ground, 8" #12 Solid Copper Pigtail, UBS, HM                        | 42.0 (688.2)                    | (12) TKO         | (1) 1/2" (3) TKO  | 20        | —        |
| 254                                                    | 600V, Raised Ground, FM                                                          | 42.0 (688.2)                    | (9) TKO          | (1) 1/2", (3) TKO | 25        |          |
| 266                                                    | 600V, Raised Ground, BOX-LOC®, MS Flush, Provided w/Far-side support (part #978) | 42.0 (688.2)                    | (9) TKO          | (1) 1/2" (3) TKO  | 25        |          |

Notes: \* Not UL Rated.

## Square Boxes and Covers

### 4-11/16" Adjustable Mud Rings

#### 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



868AMR



869AMR

#### Adjustable Mud Rings

| Catalog # | Description                                       | Std. Pkg. |
|-----------|---------------------------------------------------|-----------|
| 868AMR    | 1-Gang Adjustable Mud Ring For 4-11/16" Sq. Boxes | 25        |
| 869AMR    | 2-Gang Adjustable Mud Ring For 4-11/16" Sq. Boxes | 25        |

#### Compliance



### 4-11/16" Square Covers



832, 832SP



833, 8833-5



911-11



837, 8837



843



838



839



842



898



899

#### Applications

- Covers are used to close an outlet box
- Raised device covers are used for mounting switches or receptacles

#### Product Features

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

#### Compliance



#### 4-11/16" Square Flat Covers

| Cat. #  | Description              | Std. Pkg. | Bar Code |
|---------|--------------------------|-----------|----------|
| 832     | Flat, Blank              | 50        |          |
| 832SP   | Flat, Blank              | 25        |          |
| 833     | Flat, 1/2" KO, Centered  | 50        |          |
| 8833-5* | Flat, 1/2" KO, Centered  | 50        |          |
| 911-11  | Flat, Blank, Painted Red | 50        | —        |

Notes: \*5 Bundles of 10 - sold in carton quantities only.

#### 4-11/16" Square Single Device and Tile Covers

| Cat. # | Description   | Cu. In. (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|--------|---------------|----------------------------|-----------|----------|
| 837    | Raised 1/2"   | 3.5 (57.3)                 | 25        | —        |
| 8837   | Raised 1/2"   | 3.5 (57.3)                 | 25        |          |
| 843    | Raised 5/8"   | 4.5 (73.7)                 | 25        |          |
| 838    | Raised 3/4"   | 5.5 (90.1)                 | 25        | —        |
| 839    | Raised 1"     | 7.5 (122.9)                | 25        | —        |
| 842    | Raised 1-1/4" | 9.5 (155.6)                | 25        | —        |
| 898    | Raised 1-1/2" | 11.0 (180.2)               | 20        | —        |
| 899    | Raised 2"     | 16.0 (262.2)               | 20        | —        |

# Square Boxes and Covers

## 4-11/16" Square Covers



### Applications

- RACO® 4-11/16" raised device covers are for mounting switches or receptacles
- Raised fixture covers are used where fixtures will be installed

### Product Features

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

### Compliance

-  US LISTED

### 4-11/16" Square Two Device and Tile Covers

| Catalog # | Description                                                                   | Cubic In. (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|-----------|-------------------------------------------------------------------------------|------------------------------|-----------|----------|
| 841       | Raised 1/2"                                                                   | 5.5 (90.3)                   | 25        |          |
| 818       | Raised 5/8"                                                                   | 7.3 (119.6)                  | 25        | —        |
| 840       | Raised 3/4"                                                                   | 8.8 (144.2)                  | 25        | —        |
| 819       | Raised 1"                                                                     | 12.0 (196.6)                 | 25        | —        |
| 820       | Raised 1-1/4"                                                                 | 15.0 (245.8)                 | 25        | —        |
| 885       | Raised 1-1/2"                                                                 | 15.5 (254.0)                 | 20        | —        |
| 855       | Raised 5/8", For Life Safety Appliances & Emergency Exit Signs                | 8.3 (136.0)                  | 25        | —        |
| 859       | Raised 1-1/4", For Life Safety Appliances & Emergency Exit Signs              | 16.0 (262.0)                 | 12        | —        |
| 911-16    | Raised 5/8", For Life Safety Appliances & Emergency Exit Signs, Painted Red   | 8.3 (136.0)                  | 25        | —        |
| 911-17    | Raised 1-1/4", For Life Safety Appliances & Emergency Exit Signs, Painted Red | 16.0 (262.0)                 | 12        | —        |

### 4-11/16" Square Fixture Covers

| Cat. # | Description                         | Cubic Inches (CM <sup>3</sup> ) | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|-------------------------------------|---------------------------------|----------------------------|-----------------------|-----------|----------|
|        |                                     |                                 | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 829    | Raised 1/2", Open, Ears 2-3/4" O.C. | 3.0 (49.6)                      | No                         | 50                    | 25        |          |
| 835    | Raised 5/8", Open, Ears 2-3/4" O.C. | 4.0 (65.5)                      | No                         | 50                    | 25        | —        |

## Square Boxes and Covers

### 4-11/16" 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 required hardware for mounting the receptacle(s)
- RACO® Exposed work covers meet the requirements of the 2020 NEC Article 250.146 (A). No bonding jumper is required for covers with:
  - Crushed corners
  - Two or more device attachment fasteners that are permanent with thread-locking, screws, or nut-locking means
  - A lock washer or equivalent
- Hardware and cover are packed in a polybag with printed catalog number, compliances and installation instructions

#### Compliance

- c UL US LISTED

#### 4-11/16" Exposed Work Covers

| Catalog # | Description                             | Cubic In. (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|-----------|-----------------------------------------|------------------------------|-----------|----------|
| 856       | 1 Decorator Device or GFCI              | 10.3 (168.7)                 | 10        |          |
| 857       | 2 Decorator devices or GFCI             | 10.3 (168.7)                 | 10        |          |
| 858       | 1 Toggle Switch and 1 GFCI              | 10.3 (168.7)                 | 10        |          |
| 870RAC    | 1 Toggle Switch                         | 10.3 (168.7)                 | 10        |          |
| 878       | 30-50A Receptacle 2.141" Dia.           | 10.3 (168.7)                 | 10        |          |
| 887       | 20A Receptacle 1.594" Dia.              | 10.3 (168.7)                 | 10        |          |
| 888       | 30-60A Receptacle 2.625" Dia.           | 10.3 (168.7)                 | 10        |          |
| 959       | 1 Duplex and 1 GFCI                     | 10.3 (168.7)                 | 10        |          |
| 972       | 1 Duplex Receptacle                     | 10.3 (168.7)                 | 10        |          |
| 979       | 2 Duplex Receptacles                    | 10.3 (168.7)                 | 10        |          |
| 881RAC    | 2 Toggle Switches                       | 10.3 (168.7)                 | 10        |          |
| 876       | 1 Toggle Switch and 1 Duplex Receptacle | 10.3 (168.7)                 | 10        |          |

# Square Boxes and Covers

## NEW PRODUCT

## 5" Square Data Box



905SQ



9030G



995

Large capacity box for audio, video, data, and power applications. This 5" data box provides ample space for high speed and fiber optical cable bends. Extra-large knockouts are included for pulling pre-terminated cables.

### 5" Square Data Box

| Catalog # | Description                        | Carton Qty. | I2OF5 Bar Code |
|-----------|------------------------------------|-------------|----------------|
| 905SQ     | 5" Square Box Bracket              | 25          | 50050169549051 |
| 9030G     | Ultimate G Series Mounting Bracket | 25          | 50050169985491 |
| 995       | Far Side Support for Box Bracket   | 50          | 5005016998552  |

### Applications

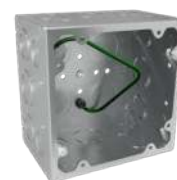
- Mounts with 905SQ to stud or 9030G open center bracket
- Built for use with 9030G open center bracket
- Mounts to box support ceiling to terminate home runs

### Product Features

- Accepts standard 4-11/16" square mud rings and covers without an adapter plate
- 3-1/4" deep box
- 76 cu inch capacity
- 5SQ200 has includes knockout sizes 1/2" through 2"
- 5SQTR includes 1/2" knockout sizes 1/2"-3/4" TKO's and 3/4"-1" TKO's.
- 5SQ200 has two pre-installed raised ground screws
- 5SQTR has two 1/4" Treaded Hubs on side and back



5SQ200



5SQTR

### 5" Square Data Box

| Catalog # | Description            | Carton Qty. | I2OF5 Bar Code |
|-----------|------------------------|-------------|----------------|
| 5SQ200    | 5" Square Data Box     | 20          | 50050169549044 |
| 5SQTR     | 5" Square Junction Box | 20          | 50050169549068 |

### Compliance

-  US LISTED



# Square Boxes and Covers

## Life Safety Support Products - Immediate Identification



911-9



911-6



911-12



911-3



911-4



911-15



911-2



911-1

### Applications

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

### Product Features

- 911-2, 911-1 boxes have 3-3/4" opening in wall that allows for a margin of error when using a standard 4" square cover
- 911-15 accepts all 4-11/16" square covers and mudrings

### Compliance



### Life Safety Steel Wall Boxes and Extension Rings - Painted Red

| Cat. # | Description                                     | Cubic Inches (CM <sup>3</sup> ) | Knockouts                                                      |                                | Std. Pkg. | Bar Code |
|--------|-------------------------------------------------|---------------------------------|----------------------------------------------------------------|--------------------------------|-----------|----------|
|        |                                                 |                                 | Sides Conduit                                                  | Bottom Conduit                 |           |          |
| 911-9  | 1-1/2" Depth, Welded, 4" Square                 | 21.0 (344.1)                    | (8) 1/2", (4) TKO                                              | (2) 1/2", 2 TKO                | 50        | —        |
| 911-6  | 1-1/2" Depth, 4" Square, Drawn Extension Ring   | 22.5 (368.7)                    | (8) 1/2", (4) 3/4"                                             | —                              | 50        | —        |
| 911-12 | 2-1/8" Depth, Welded, 4-11/16" Square           | 42.0 (688.2)                    | (12) TKO                                                       | (1) 1/2", (3) TKO              | 25        | —        |
| 911-3  | 2-1/8" Depth, Welded, 4" Square                 | 30.3 (496.5)                    | (8) 1/2", (4) TKO                                              | (3) 1/2", 2 TKO                | 25        | —        |
| 911-4  | 2-1/8" Depth, Welded, 4" Square, FM Bracket     | 30.3 (496.5)                    | (6) 1/2", (3) TKO                                              | (3) 1/2", 2 TKO                | 25        | —        |
| 911-15 | 3-1/4" Depth Back Box, Welded, 4-11/16" Square  | 66.7 (1093.0)                   | (2) 1/2" - 3/4" TKO, (2) 1" - 1-1/4" TKO, (2) 1" - 2" Conc. KO | (2) 3/4" - 1" TKO, (2) 1/2" KO | 10        | —        |
| 911-2  | 3-1/2" Depth, Welded, 3-3/4" Square             | 45.0 (737.4)                    | (12) 1/2" - 3/4" Concentric                                    | (4) 1/2" 3/4" Concentric       | 25        | —        |
| 911-1  | 3-1/2" Depth, Welded, 3-3/4" Square, FM Bracket | 45.0 (737.4)                    | (10) 1/2" - 3/4" Concentric                                    | (4) 1/2" - 3/4" Concentric     | 10        | —        |

See end of section (Pg A88 - A89) for detailed drawings »

# Square Boxes and Covers

## Life Safety Support Products - Immediate Identification

### 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

### Compliance



911-16, 911-17



855, 859



911-8



911-11

### Life Safety Steel Wall Boxes Covers

| Catalog # | Description                                               | Cubic In. (CM <sup>3</sup> ) | 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        | —        |

### 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 life safety appliance installations
- 206RAC is used in old work installations where one or two devices are required

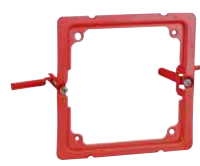
### Product Features

- 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
- 206RAC allows for installation of steel low voltage partition for power/data applications. One or two devices mount directly to 206RAC

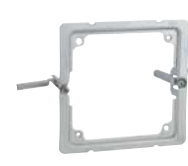
### Compliance



706RAC, 707RAC



911-19



205RAC



206RAC, 8206RAC

### Low Voltage Box Partition

| Catalog # | Description                                                                      | Std. Pkg. | Bar Code |
|-----------|----------------------------------------------------------------------------------|-----------|----------|
| 706RAC    | Fits 1/4" to 1" Cover Depth (#777, 8777-0, 778, 769, 8769, 8778, 779, 8779, 780) | 25        | —        |
| 707RAC    | Fits 1/4" to 1" Cover Depth (#777, 8777-0, 778, 769, 8769, 8778, 779, 8779, 780) | 25        | —        |

Notes: Boxes, covers, and partitions must be ordered separately.

For 5/8" cover depth, use the 3/4" break.

Partitions are usable but not UL listed for 4-11/16" sq. box.

### Life Safety Steel Wall Box Mounting Brackets

| Catalog # | Description                                                       | Std. Pkg. | Bar Code |
|-----------|-------------------------------------------------------------------|-----------|----------|
| 205RAC    | Old Work, 4" Sq. Box Mounting of Life Safety Support              | 20        | —        |
| 206RAC    | Old Work, 4" Sq. Box Mounting of One or Two Device Applications   | 20        | —        |
| 8206RAC   | Old Work, 4" Sq. Box Mounting of One or Two Device Applications   | 10        |          |
| 911-19    | Old Work, 4" Sq. Box Mounting of Life Safety Support, Painted Red | 20        | —        |

Notes: Low voltage partitions are not UL Listed.

Boxes, covers, and partitions must be ordered separately.

Partitions are usable but not UL listed for 4-11/16" sq. box.



# Square Boxes and Covers

## Large Capacity Boxes for Audio, Video, Power and Data



### 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

### 260 Product Features

- Large capacity design measures 4-11/16" H x 4-11/16" W x 3-1/4" D
- Accepts standard 4-11/16" square device and flat covers
- Ground screws provided

### 263 Product Features

- Large capacity design measures 4-11/16" H x 7-3/4" W x 3-1/4" D
- Accepts standard 4" square device and flat covers or 792, 793, 794 3-gang device covers
- Built-in tabs allow for spanner bars
- Includes 1/2" thru 2" knockouts
- Accepts 981 voltage partition (UL Listed)
- Ground screws provided

### 255 and 256 Product Features

- Large capacity design measures 3-3/4" H x 3-3/4" W x 3-1/2" D
- Accepts standard 4" square device and flat covers

### Compliance

- LISTED

**260****260H****263****256****255**

### Large Capacity Steel Wall Boxes

| Cat. #                                                     | Description                               | Cubic Inches (CM³) | Knockouts                                                                        |                                                         | Std. Pkg. | Bar Code |
|------------------------------------------------------------|-------------------------------------------|--------------------|----------------------------------------------------------------------------------|---------------------------------------------------------|-----------|----------|
|                                                            |                                           |                    | Sides Conduit                                                                    | Bottom Conduit                                          |           |          |
| 4-11/16" Boxes, 3-1/4" Deep - Welded with Conduit KOs      |                                           |                    |                                                                                  |                                                         |           |          |
| 260                                                        | Raised Ground                             | 66.7 (1093)        | (2) 1/2" - 3/4" TKO, (2) 1" - 1-1/4" TKO, (2) 1" - 2" Conc. KO                   | (2) 3/4"- 1" TKO, (2) 1/2" KO                           | 10        | —        |
| 260H                                                       | Raised Ground, H Bracket For Side Support | 66.7 (1093)        | (2) 1/2" - 3/4" TKO, (2) 1" - 1-1/4" TKO, (2) 1" - 2" Conc. KO                   | (2) 3/4"- 1" TKO, (2) 1/2" KO                           | 10        | —        |
| 263                                                        | Raised Ground                             | 113.3 (1856.6)     | (6) 1/2"- 3/4" TKO, (2) 3/4" - 1" TKO, (2) 1" - 1-1/4" TKO, (2) 1" - 2" Conc. KO | (2) 1/2"-3/4" TKO, (2) 3/4"- 1" TKO, (2) 1"- 1-1/4" TKO | 6         | —        |
| 3-3/4" Square Boxes, 3-1/2" Deep - Welded with Conduit KOs |                                           |                    |                                                                                  |                                                         |           |          |
| 256                                                        | —                                         | 45.0 (737.4)       | (12) 1/2"-3/4" Concentric                                                        | (4) 1/2"-3/4" Concentric                                | 25        |          |
| 255                                                        | FM Bracket                                | 45.0 (737.4)       | (10) 1/2"-3/4" Concentric                                                        | (4) 1/2"-3/4" Concentric                                | 10        |          |

See end of section (Pg A88, ) for detailed drawings »

# Square Boxes and Covers

## AV Wall Boxes

### 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
- Accommodates industry standard wallplates

### Product Features

- 2-gang or 3-gang
- Knockouts from 1/2" up to 2"
- 4" depth 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 far side support
- Suitable for masonry application

### Compliance

-  LISTED

### 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
- 792, 793 and 794 covers are solely for RACO® 263 data box. The 3-gang raised covers are 5/8", 3/4" and 1-1/4" raised respectively
- 855 is designed to reduce 4-11/16" square box to 4" sq. box openings

### Product Features

- Use with standard 4" square single or double mudrings or 3 gangs special covers (263)
- 855 provides flush mounting of lighting controllers, exit signs and life safety appliances
- Accepts UL Listed Voltage Partition, Cat. No. 981

### Compliance

-  LISTED



985



989



986

### 4" Deep, Gangable AV Wall Boxes - For Data and Power

| Cat. # | Description           | Cubic Inches (CM <sup>3</sup> ) | Knockouts                  |                                                        |                     | Std. Pkg. | Bar Code |
|--------|-----------------------|---------------------------------|----------------------------|--------------------------------------------------------|---------------------|-----------|----------|
|        |                       |                                 | Top                        | Bottom                                                 | Back                |           |          |
| 985    | 2-Gang, 2" KO         | 54 (884.9)                      | (2)1/2", (2)1/2"- 3/4" TKO | (1) 1", 1-1/4", 1-1/2", 2                              | (2)1/2" - 3/4" TKO  | 10        |          |
| 986    | 3-Gang, 2"            | 79 (1294.5)                     | (3)1/2", (3)1/2"- 3/4" TKO | (1)1/2", (1)1/2"- 3/4" TKO, (1)1", 1-1/4" - 1-1/2", 2" | (3) 1/2" - 3/4" TKO | 6         |          |
| 989    | Low Voltage Partition | —                               | —                          |                                                        |                     | 25        |          |

## Covers and Partitions for Large Capacity Boxes



792



793



794



855, 859



981

### Covers and Partitions

| Cat. #                                           | Description   | Cubic In. (CM <sup>3</sup> ) | Fits Cat. # | Std. Pkg. | Bar Code |
|--------------------------------------------------|---------------|------------------------------|-------------|-----------|----------|
| <b>3-Gang Raised Device Covers - For 263 Box</b> |               |                              |             |           |          |
| 792                                              | 5/8" Raised   | 10.3 (168.8)                 | 263         | 10        | —        |
| 793                                              | 3/4" Raised   | 12.7 (208.1)                 | 263         | 10        | —        |
| 794                                              | 1-1/4" Raised | 24.2 (396.6)                 | 263         | 5         | —        |

### 2-Gang Raised Device Cover - For 4-11/16" Box

|     |                                                                  |              |              |    |   |
|-----|------------------------------------------------------------------|--------------|--------------|----|---|
| 855 | 5/8" Raised, For Life Safety Appliances & Emergency Exit Signs   | 8.3 (136.0)  | 260 & 911-15 | 25 | — |
| 859 | 1-1/4" Raised, For Life Safety Appliances & Emergency Exit Signs | 16.0 (262.0) | 260 & 911-15 | 12 | — |

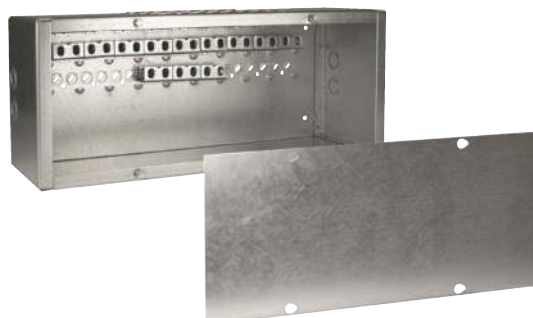
### Voltage Partition

|     |                                                          |   |           |    |   |
|-----|----------------------------------------------------------|---|-----------|----|---|
| 981 | For 5/8", 3/4", 1-1/4" covers for 260, 260H, & 263 boxes | — | 260 & 263 | 25 | — |
|-----|----------------------------------------------------------|---|-----------|----|---|

## 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 roomy 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.



SC082006STRC

Built-in Stab-IT<sup>®</sup> clamps for MCTransition Box with Built-in Stab-IT<sup>®</sup> Clamps

| Catalog #    | Description                          | Knockouts                  | Stab-IT <sup>®</sup> Clamps       | Std. Pkg. | Bar Code |
|--------------|--------------------------------------|----------------------------|-----------------------------------|-----------|----------|
| SC082006STRC | 8" x 20" x 6" Transition Box & Cover | (4) 1/2" & 3/4" Concentric | 21 (14/2 to 10/3) up to 42 Cables | 1         | —        |

## Product Features

- Designed for quick installation of flex, MC, MCI, MCI-A, AC and HCF cable
- Stab-IT<sup>®</sup> clamp has been tested at over 3X faster than traditional MC connectors
- Cover included
- Accepts cable sizes from 14/2 up to 10/3 for most cable types
- UL Listed
- Designed and assembled in the USA

Stab-IT<sup>®</sup> ConnectorStab-IT<sup>®</sup> Connector

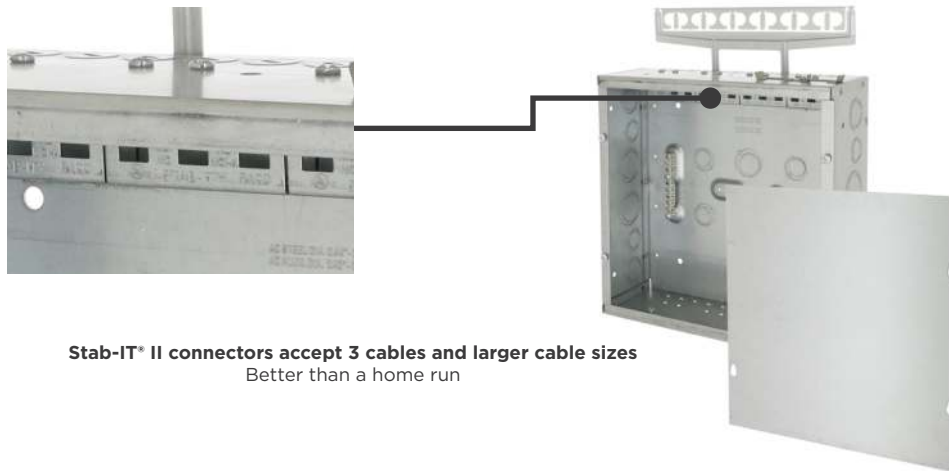
| Cat. # | Size                                              | Std. Pkg. | Bar Code |
|--------|---------------------------------------------------|-----------|----------|
| 989ST  | Stab-IT <sup>®</sup> Connector (accepts 2 cables) | 50        | —        |

## Compliance



## Upgraded Grand Slam Box Now with Built In Stab-IT® II Connectors

### NEW PRODUCT



**Stab-IT® II connectors accept 3 cables and larger cable sizes**  
Better than a home run

### Applications

- RACO's Grand Slam Box is the quickest and easiest way to terminate home runs branch circuits and other electrical wiring. Specifically designed for commercial applications, the Grand Slam Box offers both the flexibility and space desired in a junction box. Featuring RACO's Stab-IT® II connectors for MC, built-in ground bar, and cable management. The Grand Slam Box offers the most labor savings and flexibility of any home run box on the market.



**Surface Mount Cover & Ground Bar Included**



**Grand Slam Box installed using Multi Function Clips**



**Conduit Support Plate**  
(sold separately)



**Stab-IT® II Connector**

### Product Features

- Stab-IT® II clamp has been field proven to be over 3X faster than traditional MC connectors
- Ground bar pre-installed
- Cable management with 2 multifunction clips
- Surface mount cover
- Available with and without concentric knockouts on side and back for easy access
- Optional conduit support plate
- NEMA 1 Rating for Indoors
- Additional Stab-IT® II connectors can be added

### Compliance

- LISTED

## Square Boxes and Covers

### Grand Slam Box

| Cat. No.            | Description                                                                                                           | Dimensions     | Knockouts                                                                             | Built-in Stab-IT® II Clamps         | Cu.In. Cap. | Carton Qty. |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|-------------------------------------|-------------|-------------|
| <b>GS883S</b>       | 8" x 8" Junction Box<br>(Surface Cvr. & Grnd. Bar Included)                                                           | 8" x 8" x 3"   | (12) 1/2" & 3/4" Concentric<br>(5) 3/4" & 1" Concentric                               | 3 (14/2 to 10/3)<br>Up to 9 Cables  | 179         | 1           |
| <b>GS12124S</b>     | 12" x 12" Junction Box<br>(Surface Cvr. & Grnd. Bar Included)                                                         | 12" x 12" x 4" | (12) 1/2" & 3/4" Concentric<br>(9) 3/4" & 1" Concentric<br>(8) 1" & 1-1/4" Concentric | 4 (14/2 to 10/3)<br>Up to 12 Cables | 546         | 1           |
| <b>GS883SNK</b>     | 8" x 8" Junction Box<br>(No Knockouts, Surface Cvr. & Grnd. Bar Included)                                             | 8" x 8" x 3"   | —                                                                                     | 3 (14/2 to 10/3)<br>Up to 9 Cables  | 179         | 1           |
| <b>GS12124SNK</b>   | 12" x 12" Junction Box<br>(No Knockouts, Surface Cvr. & Grnd. Bar Included)                                           | 12" x 12" x 4" | —                                                                                     | 4 (14/2 to 10/3)<br>Up to 12 Cables | 546         | 1           |
| <b>GS883SCM</b>     | 8" x 8" Junction Box<br>(Cable management, 2 Multi Function Clips, Surface Cvr. & Grnd. Bar Included)                 | 8" x 8" x 3"   | (12) 1/2" & 3/4" Concentric<br>(5) 3/4" & 1" Concentric                               | 3 (14/2 to 10/3)<br>Up to 9 Cables  | 179         | 1           |
| <b>GS12124SCM</b>   | 12" x 12" Junction Box<br>(Cable management, 2 Multi Function Clips, Surface Cvr. & Grnd. Bar Included)               | 12" x 12" x 4" | (12) 1/2" & 3/4" Concentric<br>(9) 3/4" & 1" Concentric<br>(8) 1" & 1-1/4" Concentric | 4 (14/2 to 10/3)<br>Up to 12 Cables | 546         | 1           |
| <b>GS883SNKCM</b>   | 8" x 8" Junction Box<br>(No Knockouts, Cable management, 2 Multi Function Clips, Surface Cvr. & Grnd. Bar Included)   | 8" x 8" x 3"   | —                                                                                     | 3 (14/2 to 10/3)<br>Up to 9 Cables  | 179         | 1           |
| <b>GS12124SNKCM</b> | 12" x 12" Junction Box<br>(No Knockouts, Cable management, 2 Multi Function Clips, Surface Cvr. & Grnd. Bar Included) | 12" x 12" x 4" | —                                                                                     | 4 (14/2 to 10/3)<br>Up to 12 Cables | 546         | 1           |

#### Accessories

| Cat. No.      | Description                                                                        | Carton Qty. |
|---------------|------------------------------------------------------------------------------------|-------------|
| <b>9100SP</b> | Grand Slam conduit support plate                                                   | 10          |
| <b>989ST2</b> | STAB-IT® II Connector Accessory (accepts 3 cables) Works with all Grand Slam boxes | 50          |

#### Cable types and ranges of Stab-IT® II clamp

| Cable Type             | Cable Range                                    | Cable Range Diameter |
|------------------------|------------------------------------------------|----------------------|
| AC Steel & Aluminum    | 14-2, 14-3, 14-4, 12-2, 12-3, 12-4, 10-2, 10-3 | 0.44" · 0.62"        |
| HCF AC Steel           | 14-2, 14-3, 14-4, 12-2, 12-3, 10-2, 10-3       |                      |
| HCF AC Aluminum        | 12-2, 12-3, 12-4, 10-2, 10-3                   |                      |
| MC Steel & Aluminum    | 14-2, 14-3, 14-4, 12-2, 12-3, 12-4, 10-2, 10-3 | 0.42" · 0.62"        |
| MCI-A Steel & Aluminum | 14-2, 14-3, 14-4, 12-2, 12-3, 12-4, 10-2, 10-3 |                      |
| HCF MCI-A Steel        | 12-2, 12-3, 10-2                               |                      |
| HCF MCI-A Aluminum     | 14-2, 14-3, 14-4, 12-2, 12-3, 12-4, 10-2, 10-3 | 0.38" · 0.62"        |

3/8 TRADE SIZE FLEX. RWFCM CONDUIT STEEL & ALUMINUM  
Anti Short Bushing Required

CABLE RANGE .400" DIA. MIN. TO .605" DIA. MAX.

Notes: Cable Armor must comply with NEC 250.96.

To remove cable unscrew clamp from the box then pull clamp off cable.

To install more cables use any of the RACO 38RAC or 40RAC push-in cable connectors.

# Ceiling Boxes and Covers

## Ceiling Fan and Fixture Support Products

### Applications

- RACO® Ceiling Support Boxes are specifically designed for ceiling fan and ceiling or wall light fixture support per NEC 314.27(C)

### Product Features

- 1/2" side knockouts (294, 294-1, 296, 296-1 and 299)
- No protruding ground screw or fan mounting screws allows easy installation
- #10-32, 1" long ceiling fan screws provided and provision for #8-32 fixture mounting screw (294-1, 294, 296-1, 296 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

### Gorilla Ring® Concrete Ring Application

- Concrete rings are used with poured deck (floor) in high-rise construction
- GORILLA RING features mounting screws that allow for safe and secure mounting of any chandeliers, or lighting fixtures 150 lbs. or less
- Double row of KO's allow greater installation flexibility with a minimum of bends or offsets for working around reinforcing rods

### Compliance

-  US LISTED
- Exceeds national electrical code.



4" Round Ceiling Fan Pan – Drawn with Conduit KOs

| Cat. # | Description | Cubic Inches (Cm3) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|-------------|--------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |             |                    | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 295-1  | 1/2" Depth  | 6.0 (99.2)         | INSIDER       | —             | (5) 1/2"       | 70                         | 150                   | 10        | —        |
| 295*   | 1/2" Depth  | 6.0 (99.2)         | INSIDER       | —             | (5) 1/2"       | 70                         | 150                   | 10        | IIIIIII  |

4" Round Ceiling Box – Drawn with Conduit KOs

| Cat. # | Description                    | Cubic Inches (Cm3) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|--------------------------------|--------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |                                |                    | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 294-1  | 2-1/8" Depth, Old and New Work | 22.3 (365.4)       | INSIDER       | (2) 1/2"      | (1) 1/2"       | 70                         | 70/150**              | 10        | —        |
| 294*   | 2-1/8" Depth, Old and New Work | 22.3 (365.4)       | INSIDER       | (2) 1/2"      | (1) 1/2"       | 70                         | 70/150**              | 10        | IIIIIII  |
| 296-1  | 1-1/2" Depth                   | 15.8 (258.9)       | INSIDER       | (2) 1/2"      | (3) 1/2"       | 70                         | 150                   | 20        | —        |
| 296*   | 1-1/2" Depth                   | 15.8 (258.9)       | INSIDER       | (2) 1/2"      | (3) 1/2"       | 70                         | 150                   | 8         | IIIIIII  |
| 299*   | 2-1/8" Depth                   | 22.4 (367.1)       | INSIDER       | (2) 1/2"      | (3) 1/2"       | 70                         | 150                   | 6         | IIIIIII  |

GORILLA-RING® – Concrete Ring for Ceiling Fan Support

| Cat. # | Description                        | Cubic Inches (Cm3) | Knockouts     |                      |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|------------------------------------|--------------------|---------------|----------------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |                                    |                    | Cable Priouts | Sides Conduit        | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 284    | 4" Deep, Double Row Side Knockouts | 49.3 (807.9)       | —             | (4) 3/4"<br>(6) 1/2" | —              | 70                         | 150                   | 6         | —        |

Notes: \*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, THE INSIDER® will secure non-metallic sheathed cable in 1/2" KO (see pg. B72).

\*\* New work applications rated at 150 lbs. Old work applications rated at 70 lbs.

See end of section (Pg A88) for detailed drawings »

## Ceiling Boxes and Covers

### 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



926, 926-1



929

NEW



936



937



939

#### Compliance

-  US LISTED
- Exceeds national electrical code.

#### KWIK-BRACE® with Box – New Construction Braces for Lighting Fixtures or Ceiling Fans

| Cat. # | Description  | Cubic Inches (CM3) | Knockouts     |               |                | Recommended Max. Loads     |                |                       |                | Std. Pkg. | Bar Code |
|--------|--------------|--------------------|---------------|---------------|----------------|----------------------------|----------------|-----------------------|----------------|-----------|----------|
|        |              |                    | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. |                | Fixture (Static) Lbs. |                |           |          |
|        |              |                    |               |               |                | 16" Joist Span             | 24" Joist Span | 16" Joist Span        | 24" Joist Span |           |          |
| 926-1  | 1-1/2" Depth | 15.8 (258.9)       | INSIDER       | —             | (2) 1/2"       | 70                         | 70             | 210                   | 90             | 12        |          |
| 929    | 2-1/8" Depth | 22.5               | —             | (2) 1/2"      | (2) 1/2"       | 70                         | 70             | 210                   | 90             | 6         |          |
| 926*   | 1-1/2" Depth | 15.8 (258.9)       | INSIDER       | —             | (2) 1/2"       | 70                         | 70             | 210                   | 90             | 6         |          |

#### RETRO-BRACE® with Box – Remodeling Kits for Lighting Fixtures or Ceiling Fans

|      |              |              |         |   |          |    |    |     |    |   |  |
|------|--------------|--------------|---------|---|----------|----|----|-----|----|---|--|
| 936* | 1-1/2" Depth | 15.8 (258.9) | INSIDER | — | (2) 1/2" | 70 | 35 | 110 | 50 | 6 |  |
| 937* | 2-1/8" Depth | 22.4 (367.1) | INSIDER | — | (2) 1/2" | 70 | 35 | 110 | 50 | 4 |  |
| 939* | 5/8" Depth   | 6.0 (98.4)   | INSIDER | — | (2) 1/2" | 70 | 35 | 110 | 50 | 6 |  |

Notes: \* 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, THE INSIDER® will secure non-metallic sheathed cable in 1/2" KO (See pg. B72).

See end of section (Pg A89) for detailed drawings »

# Ceiling Boxes and Covers

## Ceiling Fan and Fixture Support Products

### Applications

- GRID-BRACE™ ceiling support assembly is specifically designed for ceiling fan or fixture support for suspended ceilings

### Product Features

- Heavy-duty GRID-BRACE™ for 24" spans
- Turnbuckle and 4' chain section provided
- Yoke provided for threaded rod installation
- Mount box anywhere on sliding bracket
- Spacers provided for decorative ceiling tiles that are below the depth of metal grid for flush mounting of box
- #10-32 grade 5, 1" ceiling fan screws included
- Easy to follow instructions included



### Compliance



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

| Cat. # | Description                                | Cubic Inches (CM <sup>3</sup> ) | Knockouts |                       | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|--------------------------------------------|---------------------------------|-----------|-----------------------|----------------------------|-----------------------|-----------|----------|
|        |                                            |                                 | Sides     | Bottom Conduit        | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 931    | Ceiling Fan Support for Suspended Ceilings | 22.3 (365.4)                    | (2) 1/2"  | (2) Conc. 1/2" & 3/4" | 70                         | 70                    | 4         |          |

### Applications

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

### Product Features

- Combination screw heads provide for faster installation

### Compliance



## Ceiling Pans



292, 8292



287



293, 8293

### Round Ceiling Pans

| Cat. #                                                 | Description | Cubic Inches<br>(Cm <sup>3</sup> ) | Knockouts     |               |                | Recommended Max. Loads        |                          | Std.<br>Pkg. | Bar<br>Code |
|--------------------------------------------------------|-------------|------------------------------------|---------------|---------------|----------------|-------------------------------|--------------------------|--------------|-------------|
|                                                        |             |                                    | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan<br>(Dynamic) Lbs. | Fixture (Static)<br>Lbs. |              |             |
| 3-1/2" – Drawn with Non-Metallic Sheathed Cable Clamps |             |                                    |               |               |                |                               |                          |              |             |
| 292                                                    | 1/2" Depth  | 4.0 (65.5)                         | 4             | —             | (1) 1/2"       | No                            | 50                       | 50           | —           |
| 8292                                                   | 1/2" Depth  | 4.0 (65.5)                         | 4             | —             | (1) 1/2"       | No                            | 50                       | 25           |             |
| 287                                                    | 3/4" Depth  | 5.0 (81.9)                         | 4             | —             | (1) 1/2"       | No                            | 50                       | 50           | —           |
| 4" – Drawn with Conduit KO's                           |             |                                    |               |               |                |                               |                          |              |             |
| 293                                                    | 1/2" Depth  | 6.0 (98.3)                         | —             | —             | (5) 1/2"       | No                            | 50                       | 50           | —           |
| 8293                                                   | 1/2" Depth  | 6.0 (98.3)                         | —             | —             | (5) 1/2"       | No                            | 50                       | 30           |             |

See end of section (Pg A89) for detailed drawings »

Ceiling Boxes and Covers

Round Old Work Pans



Old Work Bracket

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

- US LISTED

Wall Obstruction



Perfect Solution!



Fitting not included



290



297

Round, Old Work Pans - For Mounting Fixtures

| CAT. # | Description             | Cubic Inches (CM <sup>3</sup> ) | Knockouts | STD. PKG. | Recommended Max. support loads (fixture) | Bar code |
|--------|-------------------------|---------------------------------|-----------|-----------|------------------------------------------|----------|
| 290    | 3-1/2" Old Work Pan Box | 3.8 (63.0)                      | 2, 1/2"   | 10        | 6 Lbs.                                   |          |
| 297    | 4" Old Work Pan Box     | 6.0 (98.4)                      | 4, 1/2"   | 10        | 6 Lbs.                                   |          |

See end of section (Pg A89) for detailed drawings »



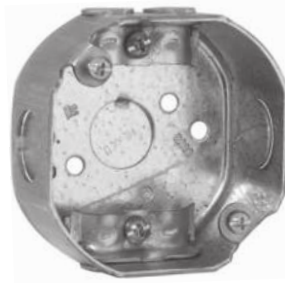
## 3-1/2" Octagon Boxes - Drawn

### Applications

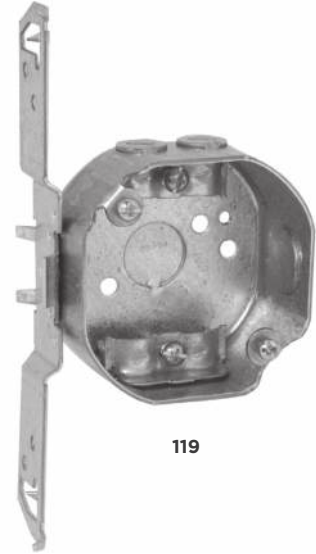
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures

### 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 the Table on page A7 for cable ranges



112



119

### Compliance



### 3-1/2" Octagon Box, 1-1/2" Deep - Drawn with Non-Metallic Sheathed Cable Clamps

| Cat. # | Description      | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|------------------|---------------------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |                  |                                 | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 112    | —                | 11.8 (193.4)                    | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 119    | TS Bracket, 1/2" | 11.8 (193.4)                    | 4             | (1) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |

See end of section (Pg A90) for detailed drawings »



## 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

### Compliance

-  LISTED



110



111

### 3-1/2" Octagon Box, 1-1/2" Deep - Drawn with Conduit KOs

| Cat. # | Description | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|-------------|---------------------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |             |                                 | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 110    | —           | 11.8 (193.4)                    | —             | (4) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |

### 3-1/2" Octagon Extension Ring, 1-1/2" Deep - Drawn with Conduit KOs

| Cat. # | Description | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|-------------|---------------------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |             |                                 | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 111    | —           | 11.8 (193.4)                    | —             | (4) 1/2"      | —              | No                         | —                     | 25        |          |

See end of section (Pg A90) for detailed drawings »



## 4" Octagon Boxes and Extension Rings - Drawn with Conduit KOs

### 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

### Compliance

- LISTED



125, 8125



126



127



324



161, 161SP



158



128



130

### 4" Octagon Box, 1-1/2" Deep - Drawn with Conduit KOs

| Cat. # | Description                                           | Cubic Inches (CM <sup>3</sup> ) | Knockouts          |                    | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|-------------------------------------------------------|---------------------------------|--------------------|--------------------|----------------------------|-----------------------|-----------|----------|
|        |                                                       |                                 | Sides Conduit      | Bottom Conduit     | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 125    | —                                                     | 15.5 (254.0)                    | (4) 1/2"           | (5) 1/2"           | No                         | 50                    | 50        | —        |
| 8125   | Raised Ground                                         | 15.5 (254.0)                    | (4) 1/2"           | (4) 1/2"           | No                         | 50                    | 30        |          |
| 126    | Raised Ground                                         | 15.5 (254.0)                    | (4) 3/4"           | (2) 1/2", (2) 3/4" | No                         | 50                    | 50        |          |
| 127    | Raised Ground                                         | 15.5 (254.0)                    | (2) 1/2", (2) 3/4" | (2) 1/2", (2) 3/4" | No                         | 50                    | 25        |          |
| 158    | J Bracket, 3/8" or 1/2" Setback                       | 15.5 (254.0)                    | (4) 1/2"           | (5) 1/2"           | No                         | 50                    | 25        |          |
| 161    | TS Bracket, 1/2" Setback                              | 15.5 (254.0)                    | (3) 1/2"           | (5) 1/2"           | No                         | 50                    | 25        |          |
| 161SP  | TS Bracket, 1/2" Setback                              | 15.5 (254.0)                    | (3) 1/2"           | (5) 1/2"           | No                         | 50                    | 12        |          |
| 324    | Raised Ground, Box with 14-1/4" to 22-1/2" Bar Hanger | 15.5 (254.0)                    | (4) 1/2"           | (3) 1/2"           | No                         | 10*                   | 25        |          |

Notes: 10 lbs max. load recommended. UL Rated for 50 lbs on 16" centers.

### 4" Octagon Extension Rings, 1-1/2" Deep - Drawn with Conduit KOs

| Cat. # | Description | Cubic Inches (CM <sup>3</sup> ) | Knockouts          |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|-------------|---------------------------------|--------------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |             |                                 | Sides Conduit      | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 128    | —           | 15.5 (254.0)                    | (4) 1/2"           | —              | No                         | 50                    | 25        |          |
| 130    | —           | 15.5 (254.0)                    | (2) 1/2", (2) 3/4" | —              | No                         | 50                    | 25        |          |

Notes: 10 lbs max. load recommended. UL Rated for 50 lbs on 16" centers.

See end of section (Pg A90) for detailed drawings »



## 4" Octagon Deep Boxes - Drawn with Conduit KOs

### Applications

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

### 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

-  LISTED

**165****166****167****167TS**

### 4" Octagon Box, 2-1/8" Deep - Drawn with Conduit KOs

| Cat. #       | Description              | Cubic Inches (CM <sup>3</sup> ) | Knockouts             |                       | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------------|--------------------------|---------------------------------|-----------------------|-----------------------|----------------------------|-----------------------|-----------|----------|
|              |                          |                                 | Sides Conduit         | Bottom Conduit        | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| <b>165</b>   | —                        | 21.5 (352.3)                    | (4) 1/2"              | (5) 1/2"              | No                         | 50                    | 50        | —        |
| <b>166</b>   | —                        | 21.5 (352.3)                    | (4) 3/4"              | (3) 1/2",<br>(2) 3/4" | No                         | 50                    | 50        | —        |
| <b>167</b>   | —                        | 21.5 (352.3)                    | (2) 1/2",<br>(2) 3/4" | (3) 1/2",<br>(2) 3/4" | No                         | 50                    | 25        | —        |
| <b>167TS</b> | TS Bracket, 1/2" Setback | 21.5 (352.3)                    | (1) 1/2",<br>(2) 3/4" | (3) 1/2",<br>(2) 3/4" | No                         | 50                    | 25        | —        |

See end of section (Pg A90) for detailed drawings »



## 4" Octagon Boxes - Drawn with Armored Cable / Metal Clad / Flex Clamps

### Applications

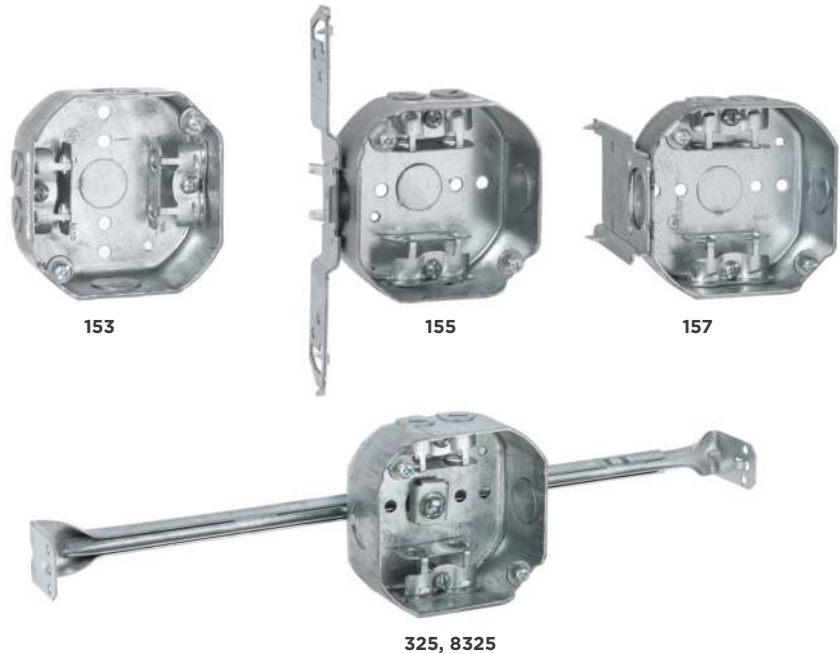
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures

### 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

- LISTED



### 4" Octagon Box, 1-1/2" Deep - Drawn with Armored Cable/Metal Clad/Flex Clamps

| Cat. # | Description                            | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|--------|----------------------------------------|---------------------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|        |                                        |                                 | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 153    | —                                      | 15.5 (254.0)                    | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 155    | TS Bracket, 1/2" Setback               | 15.5 (254.0)                    | 4             | (1) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 157    | J Bracket, 3/8" or 1/2" Setback        | 15.5 (254.0)                    | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 325    | Box with 14-1/4" to 22-1/2" bar hanger | 15.5 (254.0)                    | 4             | (2) 1/2"      | —              | No                         | 10*                   | 25        | —        |
| 8325   | Box with 14-1/4" to 22-1/2" bar hanger | 15.5 (254.0)                    | 4             | (2) 1/2"      | —              | No                         | 10*                   | 25        |          |

Notes: \* 10 lbs max. load recommended. UL Rated for 50 lbs on 16" centers.

See end of section (Pg A90) for detailed drawings »



## 4" Octagon Boxes - Drawn with Non-Metallic Sheathed Cable Clamps

### Applications

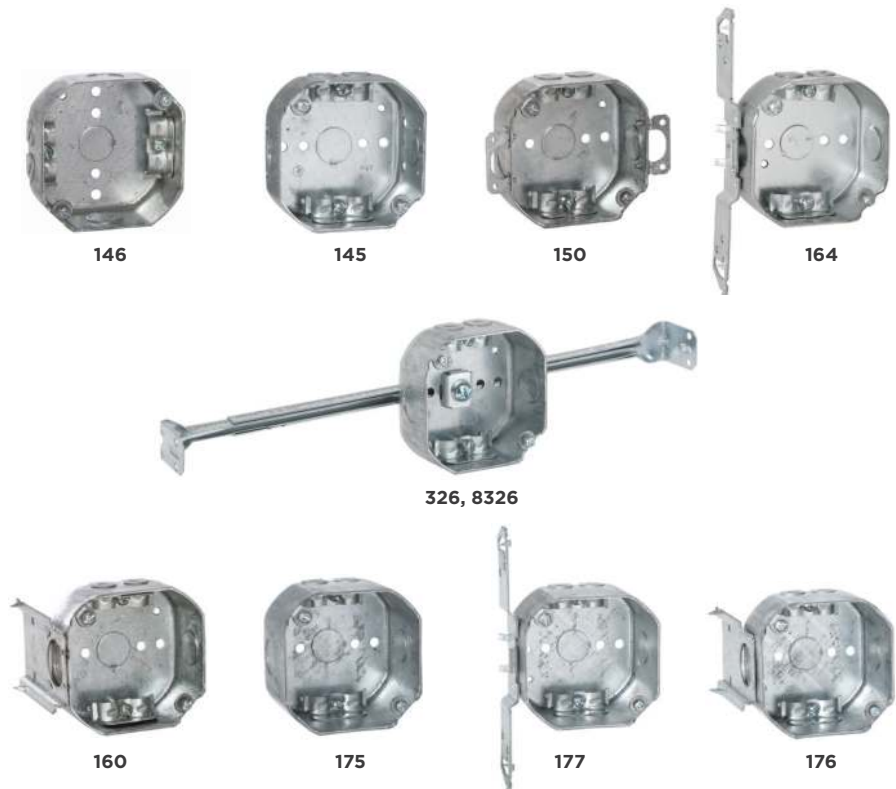
- RACO® Octagon Boxes are used in the installation of ceiling or wall lighting fixtures

### 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

-  LISTED



### 4" Octagon Boxes

| Cat. #                                                      | Description                            | Cubic Inches (CM³) | Knockouts     |               |                | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|-------------------------------------------------------------|----------------------------------------|--------------------|---------------|---------------|----------------|----------------------------|-----------------------|-----------|----------|
|                                                             |                                        |                    | Cable Priouts | Sides Conduit | Bottom Conduit | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 1-1/2" Deep - Drawn with Non-Metallic Sheathed Cable Clamps |                                        |                    |               |               |                |                            |                       |           |          |
| 146                                                         | —                                      | 15.5 (254.0)       | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 145                                                         | Side holes, 1/8" and 1/4"              | 15.5 (254.0)       | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 50        | —        |
| 150                                                         | Plaster Ears                           | 15.5 (254.0)       | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 24        |          |
| 160                                                         | J Bracket, 3/8" or 1/2" Setback        | 15.5 (254.0)       | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 164                                                         | TS Bracket, 1/2" Setback               | 15.5 (254.0)       | 4             | (1) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 326                                                         | Box with 14-1/4" to 22-1/2" bar hanger | 15.5 (254.0)       | 4             | (2) 1/2"      | —              | No                         | 10*                   | 25        | —        |
| 8326                                                        | Box with 14-1/4" to 22-1/2" bar hanger | 15.5 (254.0)       | 4             | (2) 1/2"      | —              | No                         | 10*                   | 25        |          |
| 2-1/8" Deep - Drawn with Non-Metallic Sheathed Cable Clamps |                                        |                    |               |               |                |                            |                       |           |          |
| 175                                                         | —                                      | 21.5 (352.3)       | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 176                                                         | J Bracket, 5/8" Setback                | 21.5 (352.3)       | 4             | (2) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        |          |
| 177                                                         | TS Bracket, 1/2" Setback               | 21.5 (352.3)       | 4             | (1) 1/2"      | (1) 1/2"       | No                         | 50                    | 25        | —        |

Notes: \* 10 lbs max. load recommended. UL Rated for 50 lbs on 16" centers.

See end of section (Pg A90) for detailed drawings »

## Ceiling Boxes and Covers

### Round Covers for 3-1/2" and 4" Octagon Boxes



703



894KH



727, 732, 737

#### Applications

- 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

#### Compliance



#### Covers

| Cat. #                                      | Description                                            | Cubic Inches (CM <sup>3</sup> ) | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|---------------------------------------------|--------------------------------------------------------|---------------------------------|----------------------------|-----------------------|-----------|----------|
|                                             |                                                        |                                 | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 3-1/2" Round Cover                          |                                                        |                                 |                            |                       |           |          |
| 703                                         | Flat, 1/2" KO In Center                                | —                               | No                         | —                     | 25        |          |
| 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        |          |
| 4" Round Raised Cover                       |                                                        |                                 |                            |                       |           |          |
| 737                                         | Raised 1/2", Open, Ears 2-3/4" O.C.                    | 3.3 (54.1)                      | No                         | 50                    | 25        |          |
| 727                                         | Raised 5/8", Open, Ears 2-3/4" O.C.                    | 3.8 (62.2)                      | No                         | 50                    | 25        |          |
| 732                                         | Raised 1", Open, Ears 2-3/4" O.C.                      | 6.5 (106.5)                     | No                         | 50                    | 25        | —        |

Notes: 5 Bundles of 10 – sold in carton quantities only.

## Ceiling Boxes and Covers

### Octagon and Round Covers



722



724



725



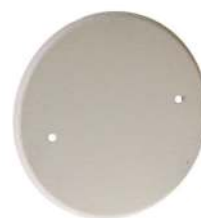
729



731



5652-1



5653-1



5654-1

#### Applications

- 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

#### Compliance

- LISTED

#### 4" Octagon and Round Covers

| Catalog # | Description             | Pkg. Type | Std. Pkg. | Bar Code |
|-----------|-------------------------|-----------|-----------|----------|
| 722       | Flat, blank             | —         | 50        |          |
| 724       | Flat, 1/2" KO           | —         | 25        |          |
| 725       | Flat, 3/4" KO           | —         | 25        |          |
| 729       | Flat, toggle switch     | —         | 50        |          |
| 731       | Flat, duplex receptacle | —         | 25        |          |

Notes: 5 Bundles of 10 – sold in carton quantities only.

#### 5" Round Steel Closure Plates

| Catalog # | Description                                                    | Pkg. Type | Std. Pkg. | Bar Code |
|-----------|----------------------------------------------------------------|-----------|-----------|----------|
| 5652-1    | Off-white, screw and universal mount 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 mount strap              | Shrink    | 10        | —        |

Notes: 5 Bundles of 10 – sold in carton quantities only.



## Single Device Handy Boxes and Extension Rings



## 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

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

See end of section (Pg A91) for detailed drawings »

## 4" x 2" Handy Boxes

| Cat. #                                | Description              | Cubic Inches (CM³) | Knockouts     |              |                | Std. Pkg. | Bar Code |
|---------------------------------------|--------------------------|--------------------|---------------|--------------|----------------|-----------|----------|
|                                       |                          |                    | Sides Conduit | Ends Conduit | Bottom Conduit |           |          |
| 1-1/2" Deep - Welded with Conduit KOs |                          |                    |               |              |                |           |          |
| 650                                   | —                        | 11.5 (188.5)       | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 50        | —        |
| 8650                                  | —                        | 11.5 (188.5)       | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 25        |          |
| 650CSA                                | With Ground Screw Driven | 11.5 (188.5)       | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 50        | —        |

## Extension Rings, 1-1/2" Deep - Welded with Conduit KOs

|     |   |              |          |          |   |    |  |
|-----|---|--------------|----------|----------|---|----|--|
| 653 | — | 11.5 (188.5) | (6) 1/2" | (2) 1/2" | — | 25 |  |
|-----|---|--------------|----------|----------|---|----|--|

## 1-7/8" Deep - Drawn with Conduit KOs

|       |                                          |              |          |                   |          |    |   |
|-------|------------------------------------------|--------------|----------|-------------------|----------|----|---|
| 660   | Raised Ground                            | 13.0 (213.0) | (6) 1/2" | (2) 1/2"          | (2) 1/2" | 50 | — |
| 8660  | Raised Ground                            | 13.0 (213.0) | (6) 1/2" | (2) 1/2"          | (2) 1/2" | 50 |   |
| 611   | Raised Ground, With Ground Screw Driven  | 13.0 (213.0) | (6) 1/2" | (2) 1/2"          | (2) 1/2" | 50 | — |
| 661   | Raised Ground, A Bracket, 5/8" Setback   | 13.0 (213.0) | (3) 1/2" | (2) 1/2"          | (3) 1/2" | 25 |   |
| 661SP | Raised Ground, A B Bracket, 5/8" Setback | 13.0 (213.0) | (3) 1/2" | (2) 1/2"          | (3) 1/2" | 18 |   |
| 662   | Raised Ground, TS Bracket, 1/2" Setback  | 13.0 (213.0) | (3) 1/2" | (2) 1/2"          | (3) 1/2" | 25 |   |
| 662SP | Raised Ground, TS Bracket, 1/2" Setback  | 13.0 (213.0) | (3) 1/2" | (2) 1/2"          | (3) 1/2" | 18 |   |
| 663   | Raised Ground                            | 13.0 (213.0) | (4) 3/4" | (2) 3/4"          | (1) 3/4" | 50 | — |
| 8663  | Raised Ground, 1-7/8" Depth (inside),    | 13.0 (213.0) | (4) 3/4" | (2) 3/4"          | (1) 3/4" | 25 |   |
| 666   | Raised Ground                            | 13.0 (213.0) | (6) 1/2" | (1) 1/2" (1) 3/4" | —        | 50 | — |

## Extension Rings, 1-7/8" Deep - Drawn with Conduit KOs

|     |   |              |          |          |   |    |  |
|-----|---|--------------|----------|----------|---|----|--|
| 665 | — | 13.0 (213.0) | (6) 1/2" | (2) 1/2" | — | 20 |  |
|-----|---|--------------|----------|----------|---|----|--|



## Single Device Handy Boxes and Covers

**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
- RACO® Handy Box covers are used to close a Handy Box
- Covers also may be used as single gang wall plates

**Product Features**

- Reference the Box Selection section in the front of this catalog for complete description of bracket types and features
- RACO® Handy Box covers are designed to match the contours of the box
- Cover corners are rounded
- All covers have captive screws

**Compliance**

- **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

See end of section (Pg A91) for detailed drawings »

**Handy Boxes**

| Cat. #                                                                   | Description                     | Cubic Inches (CM³) | Knockouts     |              |                | Std. Pkg. | Bar Code |
|--------------------------------------------------------------------------|---------------------------------|--------------------|---------------|--------------|----------------|-----------|----------|
|                                                                          |                                 |                    | Sides Conduit | Ends Conduit | Bottom Conduit |           |          |
| 4" x 2" Handy Boxes, 2-1/8" Deep – Welded with Conduit KOs               |                                 |                    |               |              |                |           |          |
| 670RAC                                                                   | —                               | 16.5 (270.4)       | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 50        | —        |
| 670RACRD                                                                 | Color Red                       | 16.5 (270.4)       | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 50        | —        |
| 8670                                                                     | —                               | 16.5 (270.4)       | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 25        |          |
| 674                                                                      | —                               | 16.5 (270.4)       | (4) 3/4"      | (2) 3/4"     | (2) 3/4"       | 50        |          |
| 678                                                                      | TS Bracket, 1/2" Setback        | 16.5 (270.4)       | (3) 1/2"      | (2) 1/2"     | (3) 1/2"       | 25        |          |
| 671                                                                      | A Bracket, 5/8" Setback         | 16.5 (270.4)       | (3) 1/2"      | (2) 1/2"     | (3) 1/2"       | 50        |          |
| 3-3/4" x 1-9/16" Industrial Handy Box and Cover – Drawn with Conduit KOs |                                 |                    |               |              |                |           |          |
| 640                                                                      | 1-1/2" Depth                    | 7.3 (119.6)        | (6) 1/2"      | (2) 1/2"     | (3) 1/2"       | 50        | —        |
| 880                                                                      | Blank Cover with Captive Screws | —                  | —             | —            | —              | 50        | —        |

**4" x 2" Handy Box Covers - 2-5/16" Wide x 4-3/16" Length**

| Catalog #  | Description                    | Std. Pkg. | Bar Code |
|------------|--------------------------------|-----------|----------|
| <b>860</b> | Blank                          | 25        |          |
| <b>861</b> | 1/2" KO, Centered              | 25        |          |
| <b>862</b> | GFCI                           | 25        |          |
| <b>865</b> | Toggle Switch                  | 25        |          |
| <b>864</b> | Duplex Receptacle              | 25        |          |
| <b>863</b> | Single Receptacle, 1.406" Dia. | 25        |          |
| <b>867</b> | 20A Receptacle, 1.594" Dia.    | 25        |          |



## Two Device Handy / Switch Boxes and Covers

### Applications

- Installers can save time and cut installation costs with two gang switch boxes
- Larger capacity boxes are ideal for today's 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 and clamp types and features
- 871, 872 and 873 covers are unpainted and manufactured from pre-galvanized steel

### Compliance

- **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



### 4" Square Two Devices Boxes and Plates

| Cat. #                                             | Description                                            | Cubic Inches (CM <sup>3</sup> ) | Knockouts          |                    | Std. Pkg. | Bar Code |
|----------------------------------------------------|--------------------------------------------------------|---------------------------------|--------------------|--------------------|-----------|----------|
|                                                    |                                                        |                                 | Sides Conduit      | Bottom Conduit     |           |          |
| Switch Boxes, 2-1/8" Deep - Drawn with Conduit KOs |                                                        |                                 |                    |                    |           |          |
| 680                                                | —                                                      | 30.3 (496.5)                    | (12) 1/2"          | (5) 1/2"           | 25        |          |
| 683                                                | —                                                      | 30.3 (496.5)                    | (8) 1/2", (4) 3/4" | (3) 1/2", (2) 3/4" | 25        |          |
| 683SP                                              | —                                                      | 30.3 (496.5)                    | (8) 1/2", (4) 3/4" | (3) 1/2", (2) 3/4" | 10        |          |
| 681                                                | TS Bracket, 1/2" Setback                               | 30.3 (496.5)                    | (9) 1/2"           | (5) 1/2"           | 25        |          |
| 681SP                                              | TS Bracket, 1/2" Setback                               | 30.3 (496.5)                    | (9) 1/2"           | (5) 1/2"           | 8         |          |
| 685                                                | TS Bracket, 1/2" Setback                               | 30.3 (496.5)                    | (6) 3/4"           | (3) 1/2", (2) 3/4" | 25        |          |
| 685SP                                              | TS Bracket, 1/2" Setback                               | 30.3 (496.5)                    | (6) 3/4"           | (3) 1/2", (2) 3/4" | 8         |          |
| Wall Plates                                        |                                                        |                                 |                    |                    |           |          |
| 871                                                | 2 Toggle Switches, 1/4" Raised from Surface            | —                               | —                  | —                  | 25        |          |
| 872                                                | 1 Duplex and 1 Toggle Switch, 1/4" Raised from Surface | —                               | —                  | —                  | 25        |          |
| 873                                                | 2 Duplex Receptacles, 1/4" Raised from Surface         | —                               | —                  | —                  | 25        |          |

See end of section (Pg A91) for detailed drawings »



# Switch Boxes

## 3" X 2" Switch Boxes - With Conduit KOs

### Applications

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

### Product Features

- 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

### Compliance

- 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

**400****420****500, 8500****501****503****502****504, 8504****506****509****508**

### Switch Boxes

| Cat. #                                     | Description                                  | Cubic Inches<br>(CM³) | Knockouts        |               |                 |                   | Std.<br>Pkg. | Bar<br>Code |
|--------------------------------------------|----------------------------------------------|-----------------------|------------------|---------------|-----------------|-------------------|--------------|-------------|
|                                            |                                              |                       | Sides<br>Conduit | Ends<br>Cable | Ends<br>Conduit | Bottom<br>Conduit |              |             |
| 1-1/2" Deep - Gangable with Conduit KOs    |                                              |                       |                  |               |                 |                   |              |             |
| 400                                        | Plaster Ears                                 | 7.5 (122.9)           | —                | —             | (2) 1/2"        | (1) 1/2"          | 20           |             |
| 2" Deep - Gangable with Conduit KOs        |                                              |                       |                  |               |                 |                   |              |             |
| 420                                        | Plaster Ears                                 | 10.0 (163.9)          | (4) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 20           |             |
| 2-1/2" Deep - Gangable with Conduit KOs    |                                              |                       |                  |               |                 |                   |              |             |
| 500                                        | Plaster Ears                                 | 12.5 (204.8)          | (4) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 50           | —           |
| 8500                                       | Plaster Ears                                 | 12.5 (204.8)          | (4) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 25           |             |
| 501                                        | No Plaster Ears                              | 12.5 (204.8)          | (4) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 50           | —           |
| 503                                        | Plaster Ears                                 | 12.5 (204.8)          | (4) 1/2"         | —             | (2) 3/4"        | (2) 1/2"          | 50           | —           |
| 502                                        | B Bracket, 5/8" Setback                      | 12.5 (204.8)          | (4) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 10           |             |
| 504                                        | TS Bracket, 1/2" Setback                     | 12.5 (204.8)          | (2) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 50           | —           |
| 8504                                       | TS Bracket, 1/2" Setback                     | 12.5 (204.8)          | (2) 1/2"         | —             | (2) 1/2"        | (2) 1/2"          | 20           |             |
| 506                                        | Old Work TIGERGRIP®, Plaster Ears            | 12.5 (204.8)          | —                | —             | (2) 1/2"        | (2) 1/2"          | 16           |             |
| 509                                        | Old Work, Plaster Ears                       | 12.5 (204.8)          | —                | —             | (2) 1/2"        | (2) 1/2"          | 20           |             |
| 2-1/2" Deep - Nongangable with Conduit KOs |                                              |                       |                  |               |                 |                   |              |             |
| 508                                        | Old Work, 3/4" Sheet Rock Max., Plaster Ears | 12.5 (204.8)          | —                | —             | (2) 1/2"        | —                 | 20           |             |

See end of section (Pg A92) for detailed drawings »



## 3" X 2" Switch Boxes – With Conduit KOs

### Applications

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

### Product Features

- 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

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



560



565



562



590, 8590



591



592

### Switch Boxes

| Cat. #                                     | Description              | Cubic Inches (Cm3) | Knockouts     |            |              |                | Std. Pkg. | Bar Code |
|--------------------------------------------|--------------------------|--------------------|---------------|------------|--------------|----------------|-----------|----------|
|                                            |                          |                    | Sides Conduit | Ends Cable | Ends Conduit | Bottom Conduit |           |          |
| 2-3/4" Deep - Nongangable with Conduit KOs |                          |                    |               |            |              |                |           |          |
| 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) 3/4"      | —          | (2) 3/4"     | (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 - Gangable with Conduit KOs    |                          |                    |               |            |              |                |           |          |
| 590                                        | Plaster Ears             | 18.0 (295.0)       | (4) 1/2"      | —          | (4) 1/2"     | (1) 1/2"       | 50        | —        |
| 8590                                       | Plaster Ears             | 18.0 (295.0)       | (4) 1/2"      | —          | (4) 1/2"     | (1) 1/2"       | 25        |          |
| 591                                        | Plaster Ears             | 18.0 (295.0)       | (4) 3/4"      | —          | (4) 3/4"     | (1) 1/2"       | 50        |          |
| 592                                        | No Plaster Ears          | 18.0 (295.0)       | (4) 1/2"      | —          | (4) 1/2"     | (1) 1/2"       | 50        | —        |

See end of section (Pg A92) for detailed drawings »



## Switch Boxes

### 3" X 2" Switch Boxes - With Armored Cable / Metal Clad / Flex Clamps

#### Applications

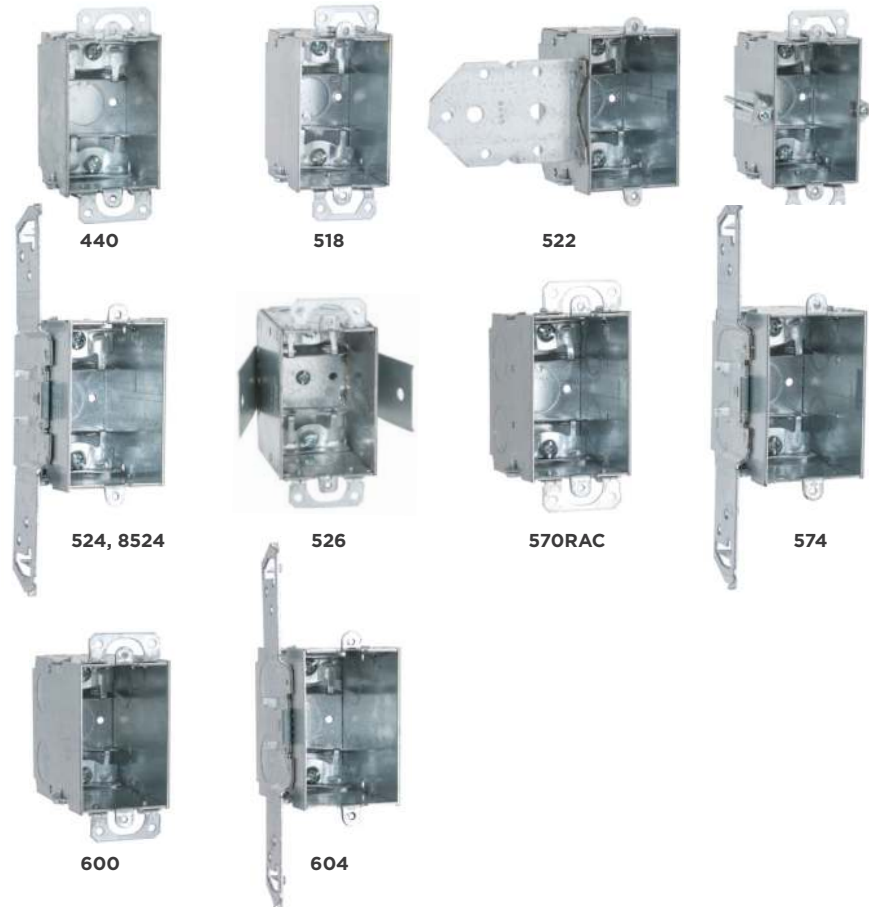
- RACO® Switch boxes are used to house wiring devices such as switches or outlets

#### Product 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
- Reference the Box Selection section in the front of this catalog for complete description of clamp types and features

#### Compliance

- **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



#### Switch Boxes

| Cat. #                                                                  | Description                                  | Cubic Inches (CM³) | Knockouts     |            |              |                | Std. Pkg. | Bar Code |
|-------------------------------------------------------------------------|----------------------------------------------|--------------------|---------------|------------|--------------|----------------|-----------|----------|
|                                                                         |                                              |                    | Sides Conduit | Ends Cable | Ends Conduit | Bottom Conduit |           |          |
| 2" Deep Switch Box - Gangable with Armored Cable/Metal Clad/Flex Clamps |                                              |                    |               |            |              |                |           |          |
| 440                                                                     | Plaster Ears                                 | 10.0 (163.9)       | —             | 4          | —            | (1) 1/2"       | 50        | —        |
| 2-1/2" Deep - Gangable with Armored Cable/Metal Clad/Flex Clamps        |                                              |                    |               |            |              |                |           |          |
| 518                                                                     | Plaster Ears                                 | 12.5 (204.8)       | —             | 4          | —            | (1) 1/2"       | 25        |          |
| 524                                                                     | TS Bracket, 1/2" Setback                     | 12.5 (204.8)       | —             | 4          | (2) 1/2"     | (1) 1/2"       | 50        | —        |
| 8524                                                                    | TS Bracket, 1/2" Setback                     | 12.5 (204.8)       | —             | 4          | (2) 1/2"     | (1) 1/2"       | 25        |          |
| 522                                                                     | LB Bracket, 5/8" Setback                     | 12.5 (204.8)       | —             | 4          | (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 - Nongangable with Armored Cable/Metal Clad/Flex Clamps     |                                              |                    |               |            |              |                |           |          |
| 526                                                                     | Plaster Ears, Old Work, 3/4" Sheet Rock Max. | 12.5 (204.8)       | —             | 4          | —            | —              | 20        |          |
| 2-3/4" Deep - Gangable with Armored Cable/Metal Clad/Flex Clamps        |                                              |                    |               |            |              |                |           |          |
| 570RAC                                                                  | 2-3/4" Depth, Plaster Ears                   | 14.0 (229.4)       | (4) 1/2"      | 4          | (2) 1/2"     | (1) 1/2"       | 50        | —        |
| 574                                                                     | 2-3/4" Depth, TS Bracket, 1/2" Setback       | 14.0 (229.4)       | (2) 1/2"      | 4          | (2) 1/2"     | (1) 1/2"       | 25        |          |
| 3-1/2" Deep - Gangable with Armored Cable/Metal Clad/Flex Clamps        |                                              |                    |               |            |              |                |           |          |
| 600                                                                     | Plaster Ears                                 | 18.0 (295.0)       | (4) 1/2"      | 4          | (2) 1/2"     | (1) 1/2"       | 25        | —        |
| 604                                                                     | TS Bracket, 1/2" Setback                     | 18.0 (295.0)       | (4) 1/2"      | 4          | (2) 1/2"     | (1) 1/2"       | 25        |          |

See end of section (Pg A92) for detailed drawings »



## 3" X 2" Stab-IT® Switch Boxes - With Armored Cable / Metal Clad / Flex Clamps

### Applications

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

### Product Features

- Designed for quick installation of flex, MC, MCI, MCI-A, AC, and HCF Cable
- Accepts cable sizes from 14/2 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



518S



623S

### Compliance

- 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

### Switch Box Stab-IT Connector

| Cat. #      | Description                                    | Cubic Inches (CM³) | Knockouts     |            |              |                | Std. Pkg. | Bar Code |
|-------------|------------------------------------------------|--------------------|---------------|------------|--------------|----------------|-----------|----------|
|             |                                                |                    | Sides Conduit | Ends Cable | Ends Conduit | Bottom Conduit |           |          |
| 2-1/2" Deep |                                                |                    |               |            |              |                |           |          |
| 518S        | (1) Stab-IT Connector, Pigtail                 | 12.5 (204.8)       | —             | —          | —            | (1) 1/2"       | 25        |          |
| 3-1/2" Deep |                                                |                    |               |            |              |                |           |          |
| 623S        | (1) Stab-IT Connector, Old Work Clips, Pigtail | 18.0 (295.0)       | —             | —          | —            | (1) 1/2"       | 25        |          |

See end of section (Pg A92) for detailed drawings »



# Switch Boxes

## 3" X 2" Switch Boxes - With Non-Metallic Sheathed Cable Clamps

### Applications

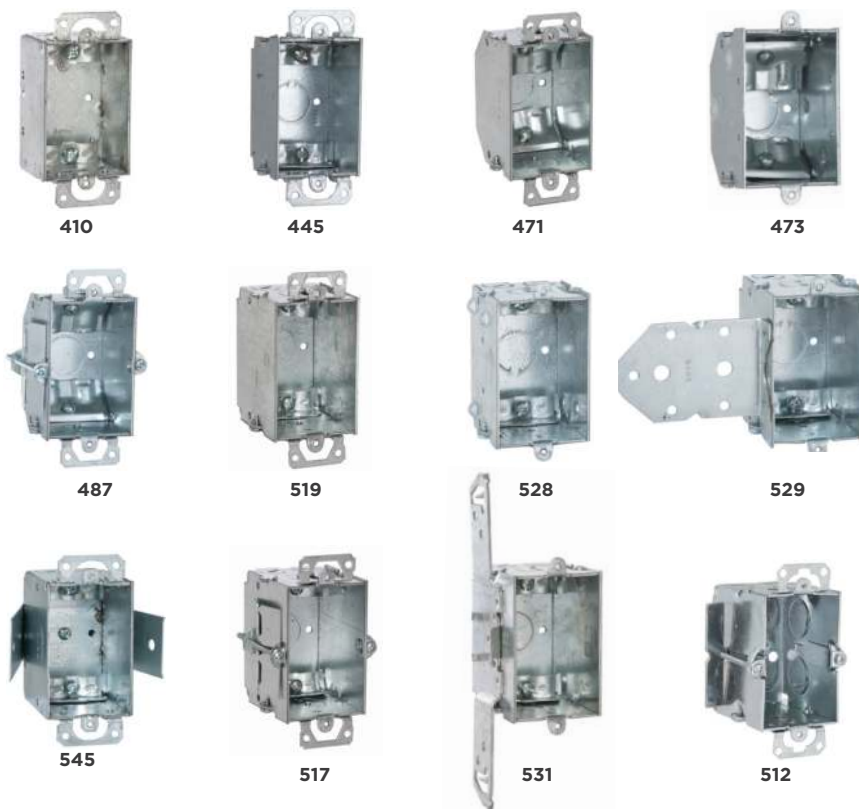
- RACO® Switch boxes are used to house wiring devices such as switches or outlets

### Product Features

- Beveled 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
- Plaster ears allow box to be used in "old work" applications

### Compliance

-  **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



### Switch Boxes

| Cat. #                                                            | Description                                  | Cubic Inches<br>(CM³) | Knockouts        |               |                 |                   | Std.<br>Pkg. | Bar<br>Code |
|-------------------------------------------------------------------|----------------------------------------------|-----------------------|------------------|---------------|-----------------|-------------------|--------------|-------------|
|                                                                   |                                              |                       | Sides<br>Conduit | Ends<br>Cable | Ends<br>Conduit | Bottom<br>Conduit |              |             |
| 1-1/2" Deep - Nongangable with Non-Metallic Sheathed Cable Clamps |                                              |                       |                  |               |                 |                   |              |             |
| 410                                                               | Plaster Ears                                 | 7.5 (122.9)           | —                | 4             | —               | —                 | 25           |             |
| 2" Deep - Gangable with Non-Metallic Sheathed Cable Clamps        |                                              |                       |                  |               |                 |                   |              |             |
| 445                                                               | Plaster Ears                                 | 10.0 (163.9)          | —                | 4             | —               | (1) 1/2"          | 50           | —           |
| 2-1/4" Deep - Gangable with Non-Metallic Sheathed Cable Clamps    |                                              |                       |                  |               |                 |                   |              |             |
| 471                                                               | One Screw, Plaster Ears                      | 10.5 (172.1)          | —                | 4             | —               | (1) 1/2"          | 25           |             |
| 473                                                               | Level Bumps                                  | 10.5 (172.1)          | —                | 4             | (2) 1/2"        | (1) 1/2"          | 20           |             |
| 487                                                               | Old Work, TIGERGRIP®                         | 10.5 (172.1)          | —                | 4             | —               | (1) 1/2"          | 20           |             |
| 2-1/2" Deep - Nongangable with Non-Metallic Sheathed Cable Clamps |                                              |                       |                  |               |                 |                   |              |             |
| 545                                                               | Plaster Ears, Old Work, 3/4" Sheet Rock Max. | 12.5 (204.8)          | —                | 4             | (2) 1/2"        | —                 | 20           |             |
| 2-1/2" Deep - Gangable with Non-Metallic Sheathed Cable Clamps    |                                              |                       |                  |               |                 |                   |              |             |
| 519                                                               | Plaster Ears                                 | 12.5 (204.8)          | —                | 4             | —               | (1) 1/2"          | 25           |             |
| 528                                                               | Level Bumps                                  | 12.5 (204.8)          | —                | 4             | (2) 1/2"        | (1) 1/2"          | 25           |             |
| 529                                                               | LB Bracket, 5/8" Setback                     | 12.5 (204.8)          | —                | 4             | (2) 1/2"        | (1) 1/2"          | 20           |             |
| 531                                                               | TS Bracket, 1/2" Setback                     | 12.5 (204.8)          | —                | 4             | (2) 1/2"        | (1) 1/2"          | 25           |             |
| 517                                                               | Plaster Ears, Old Work, TIGERGRIP®           | 12.5 (204.8)          | —                | 4             | —               | (1) 1/2"          | 20           |             |
| 512                                                               | Plaster Ears, Old Work                       | 12.5 (204.8)          | —                | 4             | —               | (1) 1/2"          | 20           |             |

See end of section (Pg A92) for detailed drawings »



## 3" X 2" Switch Boxes – With Non-Metallic 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

### Compliance

- **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



564



567



355, 8355



601, 8601



603



605

### Switch Boxes

| Cat. #                                                              | Description              | Cubic Inches<br>(CM <sup>3</sup> ) | Knockouts        |               |                 |                   | Std.<br>Pkg. | Bar<br>Code |
|---------------------------------------------------------------------|--------------------------|------------------------------------|------------------|---------------|-----------------|-------------------|--------------|-------------|
|                                                                     |                          |                                    | Sides<br>Conduit | Ends<br>Cable | Ends<br>Conduit | Bottom<br>Conduit |              |             |
| 2-3/4" Deep – Gangable with Non-Metallic Sheathed Cable Clamps      |                          |                                    |                  |               |                 |                   |              |             |
| 567                                                                 | Plaster Ears             | 14.0 (229.4)                       | (4) 1/2"         | 4             | (2) 1/2"        | (1) 1/2"          | 25           |             |
| 564                                                                 | TS Bracket, 1/2" Setback | 14.0 (229.4)                       | (2) 1/2"         | 4             | (2) 1/2"        | (1) 1/2"          | 25           |             |
| 2-27/32" Deep – Nongangable with Non-Metallic Sheathed Cable Clamps |                          |                                    |                  |               |                 |                   |              |             |
| 355                                                                 | S Bracket, Nails         | 15.8 (258.9)                       | —                | 4             | —               | (1) 1/2"          | 50           | —           |
| 8355                                                                | S Bracket, Nails         | 15.8 (258.9)                       | —                | 4             | —               | (1) 1/2"          | 20           |             |
| 3-1/2" Deep – Gangable with Non-Metallic Sheathed Cable Clamps      |                          |                                    |                  |               |                 |                   |              |             |
| 601                                                                 | Plaster Ears             | 18.0 (295.0)                       | (4) 1/2"         | 4             | (2) 1/2"        | (1) 1/2"          | 25           | —           |
| 8601                                                                | Plaster Ears             | 18.0 (295.0)                       | (4) 1/2"         | 4             | (2) 1/2"        | (1) 1/2"          | 25           |             |
| 605                                                                 | TS Bracket, 1/2" Setback | 18.0 (295.0)                       | (4) 1/2"         | 4             | (2) 1/2"        | (1) 1/2"          | 25           |             |
| 603                                                                 | B Bracket, 5/8" Setback  | 18.0 (295.0)                       | (4) 1/2"         | 4             | (2) 1/2"        | (1) 1/2"          | 25           | —           |

See end of section (Pg A92) for detailed drawings »



## Switch Boxes

### Shallow Switch Boxes – With Non-Metallic 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

- 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

**404, 404SP****405****418**

#### Switch Boxes

| Cat. #                                                                                | Description               | Cubic Inches<br>(CM <sup>3</sup> ) | Knockouts        |               |                 |                   | Std.<br>Pkg. | Bar<br>Code |
|---------------------------------------------------------------------------------------|---------------------------|------------------------------------|------------------|---------------|-----------------|-------------------|--------------|-------------|
|                                                                                       |                           |                                    | Sides<br>Conduit | Ends<br>Cable | Ends<br>Conduit | Bottom<br>Conduit |              |             |
| 3-3/4" x 2" Switch Box, 1" Deep – Nongangable with Non-Metallic Sheathed Cable Clamps |                           |                                    |                  |               |                 |                   |              |             |
| 404                                                                                   | Q Clamp, 1/4" Setback     | 6.5 (106.5)                        | —                | 2             | (1) 1/2"        | —                 | 25           |             |
| 404SP                                                                                 | Q Clamp, 1/4" Setback     | 6.5 (106.5)                        | —                | 2             | (1) 1/2"        | —                 | 6            |             |
| 405                                                                                   | Q Clamp, 1/4" Setback     | 6.5 (106.5)                        | —                | 4             | —               | —                 | 25           |             |
| 4" x 4" Switch Box, 1" Deep – Nongangable with Non-Metallic Sheathed Cable Clamps     |                           |                                    |                  |               |                 |                   |              |             |
| 418                                                                                   | (2) Q Clamp, 1/4" Setback | 14.8 (242.5)                       | —                | 4             | (2) 1/2"        | —                 | 25           |             |



## 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



686



687



971

### Multidevice Switch Boxes, 2-1/2" Deep - Welded with Conduit KOs

| Cat. # | Description          | Cubic Inches (CM <sup>3</sup> ) | Knockouts          |            |                    |                    | Std. Pkg. | Bar Code |
|--------|----------------------|---------------------------------|--------------------|------------|--------------------|--------------------|-----------|----------|
|        |                      |                                 | Sides Conduit      | Ends Cable | Ends Conduit       | Bottom Conduit     |           |          |
| 686    | 3-Gang, 1/2" Setback | 47.8 (783.3)                    | (6) 1/2", (6) 3/4" | —          | (2) 1/2", (2) 3/4" | (3) 1/2", (3) 3/4" | 10        |          |
| 687    | 4-Gang, 1/2" Setback | 63.5 (1040.6)                   | (8) 1/2", (8) 3/4" | —          | (2) 1/2", (2) 3/4" | (4) 1/2", (4) 3/4" | 10        |          |

### Low-Voltage Partition

| Cat. # | Description           | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |            |              |                | Std. Pkg. | Bar Code |
|--------|-----------------------|---------------------------------|---------------|------------|--------------|----------------|-----------|----------|
|        |                       |                                 | Sides Conduit | Ends Cable | Ends Conduit | Bottom Conduit |           |          |
| 971    | For 686 and 687 Boxes | —                               | —             | —          | —            | —              | 25        | —        |

See end of section (Pg A92) for detailed drawings »

# Multigang Boxes



951 through 955



941 through 945

## 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 3/4" and 1" 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 #974 or #949

## Compliance



## Gang Boxes

| Cat.<br>#                             | Description | Cubic Inches<br>(CM <sup>3</sup> ) | Knockouts                     |                        |                      | Std.<br>Pkg. | Bar<br>Code |
|---------------------------------------|-------------|------------------------------------|-------------------------------|------------------------|----------------------|--------------|-------------|
|                                       |             |                                    | Top & Bottom                  | Sides                  | Back                 |              |             |
| 1-5/8" Deep – Welded with Conduit KOs |             |                                    |                               |                        |                      |              |             |
| 951                                   | 2-Gang      | 47.0 (770.1)                       | 8 Conc.<br>1/2" & 3/4"        | 4 Conc.<br>1/2" & 3/4" | (3) 1/2"<br>(2) 3/4" | 5            | —           |
| 952                                   | 3-Gang      | 60.0 (983.2)                       | 10 Conc.<br>1/2" & 3/4"       | 4 Conc.<br>1/2" & 3/4" | (6) 1/2"<br>(4) 3/4" | 5            | —           |
| 953                                   | 4-Gang      | 72.8 (1192.9)                      | 12 Conc.<br>1/2" & 3/4"       | 4 Conc.<br>1/2" & 3/4" | (6) 1/2"<br>(4) 3/4" | 5            | —           |
| 954                                   | 5-Gang      | 85.8 (1406.0)                      | 14 Conc.<br>1/2" & 3/4"       | 4 Conc.<br>1/2" & 3/4" | (6) 1/2"<br>(4) 3/4" | 5            | —           |
| 955                                   | 6-Gang      | 98.5 (1614.1)                      | 16 Conc.<br>1/2" & 3/4"       | 4 Conc.<br>1/2" & 3/4" | (6) 1/2"<br>(4) 3/4" | 1            | —           |
| 2-1/2" Deep – Welded with Conduit KOs |             |                                    |                               |                        |                      |              |             |
| 941                                   | 2-Gang      | 70.0 (1147.0)                      | (4) 3/4" 4 Conc.<br>3/4" & 1" | 4 Conc.<br>3/4" & 1"   | (3) 1/2"<br>(2) 3/4" | 5            | —           |
| 942                                   | 3-Gang      | 90.0 (1474.8)                      | (8) 3/4" 2 Conc.<br>3/4" & 1" | 4 Conc.<br>3/4" & 1"   | (6) 1/2"<br>(4) 3/4" | 5            | —           |
| 943                                   | 4-Gang      | 110.0 (1802.5)                     | (4) 3/4" 4 Conc.<br>3/4" & 1" | 4 Conc.<br>3/4" & 1"   | (6) 1/2"<br>(4) 3/4" | 5            | —           |
| 944                                   | 5-Gang      | 130.0 (2130.3)                     | (6) 3/4" 4 Conc.<br>3/4" & 1" | 4 Conc.<br>3/4" & 1"   | (6) 1/2"<br>(4) 3/4" | 5            | —           |
| 945                                   | 6-Gang      | 150.0 (2458.0)                     | (6) 3/4"<br>6 Conc. 3/4" & 1" | 4 Conc.<br>3/4" & 1"   | (6) 1/2"<br>(4) 3/4" | 1            | —           |

See end of section (Pg A92) for detailed drawings »

**Covers and Partitions****821****822****823****824****825****828****834, 836****974****949****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**

-  LISTED  
(Cat. #974 and #949 not UL Listed)

**Covers and Partitions**

| Cat. #                                           | Description                         | For Gang Boxes | Cu. In. Capacity (CM <sup>3</sup> ) | Std. Pkg. | Bar Code |
|--------------------------------------------------|-------------------------------------|----------------|-------------------------------------|-----------|----------|
| <b>Device Covers for Gang Boxes- Raised 3/4"</b> |                                     |                |                                     |           |          |
| <b>821</b>                                       | 2-Gang, 7-1/16" Width               | 951 or 941     | 10.0 (163.8)                        | 5         | —        |
| <b>822</b>                                       | 3-Gang, 8-7/8" Width                | 952 or 942     | 15.3 (250.7)                        | 5         |          |
| <b>823</b>                                       | 4-Gang, 10-11/16" Width             | 953 or 943     | 20.3 (332.6)                        | 5         |          |
| <b>824</b>                                       | 5-Gang, 12-1/2" Width               | 954 or 944     | 25.5 (417.8)                        | 5         | —        |
| <b>825</b>                                       | 6-Gang, 14-5/16" Width              | 955 or 945     | 30.5 (499.8)                        | 1         | —        |
| <b>828</b>                                       | 9-Gang, 19-3/4" Width               | 958            | 45.8 (750.5)                        | 1         | —        |
| <b>Device Covers for Gang Boxes</b>              |                                     |                |                                     |           |          |
| <b>834</b>                                       | 3-Gang, 8-7/8" Width, 2" Raised     | 952 or 942     | 40.8 (668.5)                        | 15        | —        |
| <b>836</b>                                       | 3-Gang, 8-7/8" Width, 1-1/2" Raised | 952 or 942     | 30.6 (501.4)                        | 20        | —        |
| <b>Low Voltage Partitions for Gang Boxes</b>     |                                     |                |                                     |           |          |
| <b>974</b>                                       | For 1-5/8" Deep                     | —              | —                                   | 25        | —        |
| <b>949</b>                                       | For 2-1/2" Deep                     | —              | —                                   | 25        | —        |

# Multigang Boxes

## Blank Covers



844



845



846



847



848

### Applications

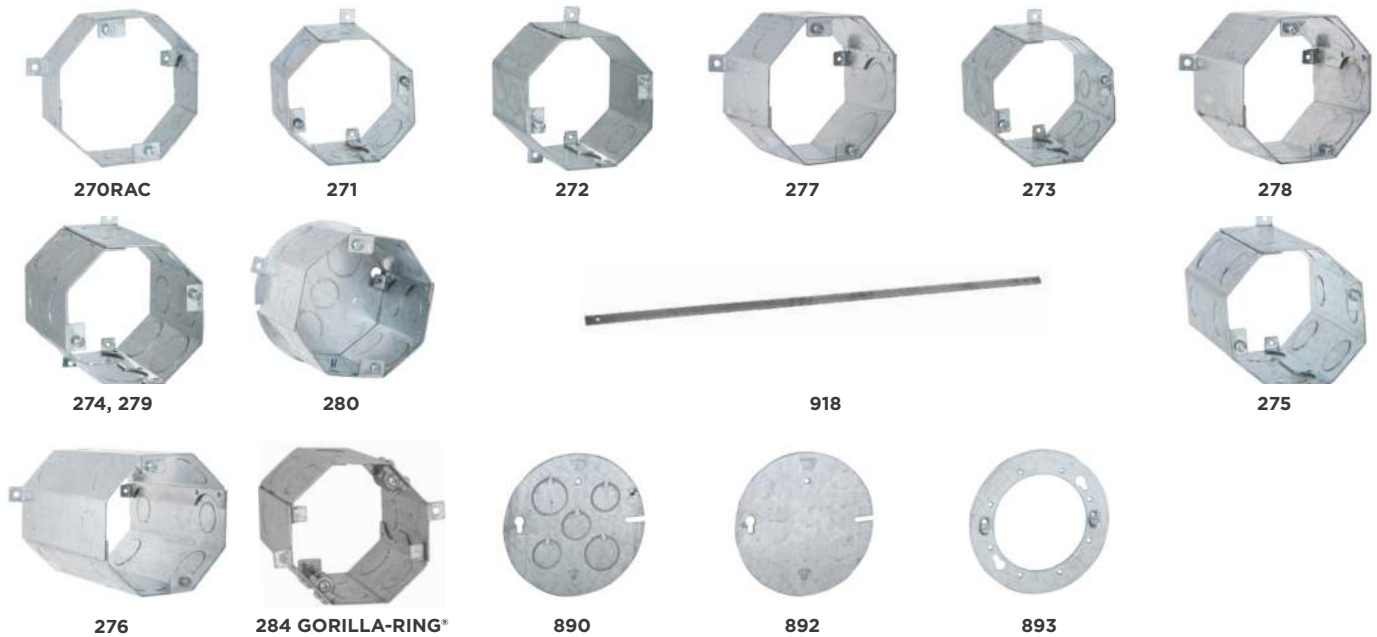
- Covers are used to close a multigang box

Flat, Blank Covers for Gang Boxes

| Cat. # | Description             | For Gang Boxes | Std. Pkg. | Bar Code |
|--------|-------------------------|----------------|-----------|----------|
| 844    | 2-Gang, 7-1/16" Width   | 951 or 941     | 5         | —        |
| 845    | 3-Gang, 8-7/8" Width    | 952 or 942     | 5         | —        |
| 846    | 4-Gang, 10-11/16" Width | 953 or 943     | 5         | —        |
| 847    | 5-Gang, 12-1/2" Width   | 954 or 944     | 1         | —        |
| 848    | 6-Gang, 14-5/16" Width  | 955 or 945     | 1         | —        |



## 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

### Product Features

- Flat sides provide excellent contact for locknuts
- External ears are used to nail the ring to the wood form
- Top cover is removable for before-pour work
- Ears on inside of box are for fixtures
- Waxed fixture ears prevent concrete from interfering with the threads
- A variety of cover plates are available
- Cover plate must be ordered separately with all RACO® concrete rings

### Compliance



#### Concrete Rings

| Cat. #        | Description | Cubic Inches (CM <sup>3</sup> ) | Knockouts                      | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|---------------|-------------|---------------------------------|--------------------------------|----------------------------|-----------------------|-----------|----------|
|               |             |                                 |                                | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| <b>270RAC</b> | 2" Deep     | 24.5 (401.4)                    | Single Row KOs - 1/2" and 3/4" | No                         | 50                    | 25        | —        |
| <b>271</b>    | 2-1/2" Deep | 30.8 (504.7)                    | Single Row KOs - 1/2" and 3/4" | No                         | 50                    | 25        |          |
| <b>272</b>    | 3" Deep     | 37.0 (606.3)                    | Single Row KOs - 1/2" and 3/4" | No                         | 50                    | 25        | —        |
| <b>277</b>    | 3" Deep     | 37.0 (606.3)                    | Single Row KOs - 3/4" and 1"   | No                         | 50                    | 25        | —        |
| <b>273</b>    | 3-1/2" Deep | 43.0 (704.6)                    | Double Row KOs - 1/2" and 3/4" | No                         | 50                    | 20        | —        |
| <b>278</b>    | 3-1/2" Deep | 43.0 (704.6)                    | Single Row KOs - 3/4" and 1"   | No                         | 50                    | 20        | —        |
| <b>274</b>    | 4" Deep     | 49.3 (807.8)                    | Double Row KOs - 1/2" and 3/4" | No                         | 50                    | 20        | —        |
| <b>279</b>    | 4" Deep     | 49.3 (807.8)                    | Double Row KOs - 3/4" and 1"   | No                         | 50                    | 20        | —        |
| <b>275</b>    | 5" Deep     | 61.5 (1007.8)                   | Double Row KOs - 1/2" and 3/4" | No                         | 50                    | 10        | —        |
| <b>276</b>    | 6" Deep     | 74.0 (1212.6)                   | Double Row KOs - 1/2" and 3/4" | No                         | 50                    | 10        | —        |
| <b>284*</b>   | 4" Deep     | 49.3 (807.8)                    | Double Row KOs - 1/2" and 3/4" | 70                         | 150                   | 6         | —        |

#### Hung Ceiling Box

|            |                                    |              |                                      |    |   |    |   |
|------------|------------------------------------|--------------|--------------------------------------|----|---|----|---|
| <b>280</b> | 3-1/2" Deep, includes an 890 cover | 43.0 (704.6) | Double Row KOs (8) 1/2" and (8) 3/4" | No | — | 20 | — |
| <b>918</b> | 30" Long Bars for Hung Ceiling Box | —            | —                                    | No | — | 40 | — |

#### Concrete Ring - Back Plates/Covers and Adapter Ring

| Cat. #     | Description                                                                | Std. Pkg. | Barcode |
|------------|----------------------------------------------------------------------------|-----------|---------|
| <b>890</b> | (3) 1/2" and (2) 3/4" KO's, O.D. 4-1/2"                                    | 25        |         |
| <b>892</b> | Flat, Blank, O.D. 4-1/2"                                                   | 25        | —       |
| <b>893</b> | O.D. 4-1/2", Joins Octagon Ext. Ring to Concrete Ring, Two Retained Screws | 50        | —       |

See end of section (Pg A93) for detailed drawings »

## Masonry Boxes

### Masonry Boxes and Partitions



690 through 694



695 through 699



960



965



971



949

#### 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

#### Nongangable 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 1/2" and 3/4" concentric Knockouts
- Device ears inside the box prevent mortar from getting in the device holes
- Steel low voltage partition #971 fits all 2-1/2" or 3-1/2" depths
- Standard wall plates can be used

#### Compliance



See end of section (Pg A93) for detailed drawings »

#### Masonry Boxes

| Cat.<br>#                                  | Description           | Cubic<br>Inches<br>(CM <sup>3</sup> ) | Knockouts        |                 |                   | Std.<br>Pkg. | Bar<br>Code |
|--------------------------------------------|-----------------------|---------------------------------------|------------------|-----------------|-------------------|--------------|-------------|
|                                            |                       |                                       | Sides<br>Conduit | Ends<br>Conduit | Bottom<br>Conduit |              |             |
| 2-1/2" Deep – Nongangable with conduit KOs |                       |                                       |                  |                 |                   |              |             |
| 690                                        | 1-gang, 1-31/32" wide | 16.0 (262.1)                          | 4 Conc.          | 2 Conc.         | 2 Conc.           | 25           | —           |
| 691                                        | 2-gang, 3-25/32" wide | 31.8 (521.1)                          | 4 Conc.          | 4 Conc.         | 4 Conc.           | 25           | —           |
| 692                                        | 3-gang, 5-19/32" wide | 47.8 (783.3)                          | 4 Conc.          | 6 Conc.         | 3 Conc.           | 10           | —           |
| 693                                        | 4-gang, 7-13/32" wide | 63.5 (1040.5)                         | 4 Conc.          | 8 Conc.         | 4 Conc.           | 10           | —           |
| 694                                        | 5-gang, 9-7/32" wide  | 79.5 (1302.7)                         | 4 Conc.          | 10 Conc.        | 5 Conc.           | 10           | —           |
| 960                                        | 6-gang, 11-1/32" wide | 95.3 (1561.6)                         | 4 Conc.          | 12 Conc.        | 6 Conc.           | 1            | —           |
| 3-1/2" Deep – Nongangable with conduit KOs |                       |                                       |                  |                 |                   |              |             |
| 695                                        | 1-gang, 1-31/32" wide | 22.5 (368.7)                          | 4 Conc.          | 4 Conc.         | 2 Conc.           | 25           | —           |
| 8695                                       | 1-gang, 1-31/32" wide | 22.5 (368.7)                          | 4 Conc.          | 4 Conc.         | 2 Conc.           | 25           |             |
| 696                                        | 2-gang, 3-25/32" wide | 45.0 (737.4)                          | 4 Conc.          | 8 Conc.         | 4 Conc.           | 25           |             |
| 697                                        | 3-gang, 5-19/32" wide | 67.3 (1102.8)                         | 4 Conc.          | 12 Conc.        | 3 Conc.           | 10           |             |
| 698                                        | 4-gang, 7-13/32" wide | 89.8 (1471.5)                         | 4 Conc.          | 16 Conc.        | 4 Conc.           | 10           | —           |
| 699                                        | 5-gang, 9-7/32" wide  | 112.3 (1840.2)                        | 4 Conc.          | 20 Conc.        | 5 Conc.           | 10           | —           |
| 965                                        | 6-gang, 11-1/32" wide | 134.8 (2208.9)                        | 4 Conc.          | 24 Conc.        | 6 Conc.           | 1            | —           |

#### Low Voltage Partitions for Masonry Boxes

| Catalog # | Description                                  | Std. Pkg. | Bar Code |
|-----------|----------------------------------------------|-----------|----------|
| 971       | For nongangable, 2-1/2" or 3-1/2" deep boxes | 25        | —        |
| 949       | For gangable, 2-1/2" deep boxes              | 25        |          |

## Gangable Masonry Boxes and Partitions

**688****689****675****676**

### 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
- Standard 1/2" and 3/4" TKO® Knockouts
- Device ears inside the box prevent mortar from getting in the device holes
- 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



### Masonry Boxes

| Cat. #                                  | Description           | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |              |                | Std. Pkg. | Bar Code |
|-----------------------------------------|-----------------------|---------------------------------|---------------|--------------|----------------|-----------|----------|
|                                         |                       |                                 | Sides Conduit | Ends Conduit | Bottom Conduit |           |          |
| 2-1/2" Deep - Gangable with conduit KOs |                       |                                 |               |              |                |           |          |
| 688                                     | 1-gang, 1-15/16" wide | 15.5 (253.9)                    | 4 TKO*        | 2 TKO*       | 2 TKO*         | 20        |          |
| 3-1/2" Deep - Gangable with conduit KOs |                       |                                 |               |              |                |           |          |
| 689                                     | 1-gang, 1-15/16" wide | 22.5 (368.7)                    | 4 TKO*        | 4 TKO*       | 2 TKO*         | 20        |          |

### Low Voltage Partitions for Masonry Boxes

| Catalog #  | Description                     | Std. Pkg. | Bar Code |
|------------|---------------------------------|-----------|----------|
| <b>675</b> | For gangable, 2-1/2" deep boxes | 20        |          |
| <b>676</b> | For gangable, 3-1/2" deep boxes | 20        |          |

## Masonry Boxes

### Block-Loc™ Masonry Boxes



689B



695B



696B



697B



698B



786B



796B



899B

#### 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

-  LISTED

#### Block-Loc Masonry Boxes

| Catalog # | Description                             | Cubic Inches (CM <sup>3</sup> ) | Knockouts     |              |                | Std. Pkg. | Bar Code |
|-----------|-----------------------------------------|---------------------------------|---------------|--------------|----------------|-----------|----------|
|           |                                         |                                 | Sides Conduit | Ends Conduit | Bottom Conduit |           |          |
| 689B      | 3-1/2" deep 1-gang, gangable            | 22.5 (368.7)                    | 4 TKO®        | 2 TKO®       | 2 TKO®         | 18        |          |
| 695B      | 3-1/2" deep 1-gang, welded              | 22.5 (368.7)                    | 4 Conc.       | 4 Conc.      | 2 Conc.        | 18        |          |
| 696B      | 3-1/2" deep 2-gang, welded              | 45.0 (737.4)                    | 4 Conc.       | 8 Conc.      | 4 Conc.        | 12        |          |
| 697B      | 3-1/2" deep 3-gang, welded              | 67.3 (1102.8)                   | 4 Conc.       | 12 Conc.     | 3 Conc.        | 12        |          |
| 698B      | 3-1/2" deep 4-gang, welded              | 89.8 (1471.6)                   | 4 Conc.       | 16 Conc.     | 4 Conc.        | 6         |          |
| 786B      | 4" Sq. 1-gang tile cover, 2" deep       | 14.5 (237.6)                    | —             | —            | —              | 25        |          |
| 796B      | 4" Sq. 2-gang tile cover, 2" deep       | 20.5 (335.9)                    | —             | —            | —              | 20        |          |
| 899B      | 4-11/16" Sq. 1-gang tile cover, 2" deep | 16.0 (262.2)                    | —             | —            | —              | 12        |          |

## Box Support Products

### Braces and Brackets - Between Studs

#### Applications

##### 9004R - 9006R, 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
- Dimple 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

#### Compliance



#### 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 every time and will not bulge or break out drywall

#### Compliance



9015R



9004R, 9006R



9001



9002

#### Mounting Braces and Brackets

| Catalog #                                                                    | Description                                        | Std. Pkg. | Bar Code |
|------------------------------------------------------------------------------|----------------------------------------------------|-----------|----------|
| <b>Non-Adjustable Box Mounting Brace - For 4" and 4-11/16" Square Box</b>    |                                                    |           |          |
| 9004R                                                                        | For 16" stud spacing, 1-1/2" or 2-1/8" deep box    | 50        | —        |
| 9006R                                                                        | For 24" stud spacing, 1-1/2" or 2-1/8" deep box    | 50        | —        |
| <b>Adjustable Box Mounting Brace - For 4" and 4-11/16" square box</b>        |                                                    |           |          |
| 9015R                                                                        | Adjusts from 15" to 26", 1-1/2" or 2-1/8" deep box | 50        | —        |
| <b>Fixed Position Box Mounting Brackets - For 4" and 4-11/16" square box</b> |                                                    |           |          |
| 9001                                                                         | (3) Box, for 16" O. C. studs                       | 50        | —        |
| 9002                                                                         | (4) Box, for 24" O. C. studs                       | 50        | —        |

## Box Support Products

### Open Center Brackets

#### Applications

- 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 SKUs on the jobsite

#### Product 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



9020R



9030G

#### Adjustable Box Support Bracket

| Catalog # | Description                                                                        | Std. Pkg. | Bar Code |
|-----------|------------------------------------------------------------------------------------|-----------|----------|
| 9020R     | Adjustable Open Center Bracket for 16" to 24" stud spacing                         | 25        | —        |
| 9030G     | Accepts Only The Universal Stud Mount Brackets And The Ultimate G Series Brackets. | 25        | —        |

#### Compliance

-  US LISTED

#### Applications

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

#### Product 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 ruler to aid in alignment of electrical box



9024R



9016R

#### Box Support Brackets

| Catalog # | Description                  | Std. Pkg. | Bar Code |
|-----------|------------------------------|-----------|----------|
| 9016R     | Bracket for 16" stud spacing | 25        | —        |
| 9024R     | Bracket for 24" stud spacing | 25        | —        |

#### Compliance

-  US LISTED

## Brackets and Box Supports - On Studs

### Applications - 9018

- 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 4-11/16" sq. box to 2-1/2", 3-1/2" or 6" studs

### Compliance



### Applications - SBRNRRAC

- Bracket supports electrical box when mounted to a stud

### Product Features

- Patented, built-in cable support accepts up to 3 MC cables (12-2 MC 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"

### Compliance



### Applications - 980 BOX-LOC® & 978 (Sold Separately)

- Allows any 4" or 4-11/16" 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

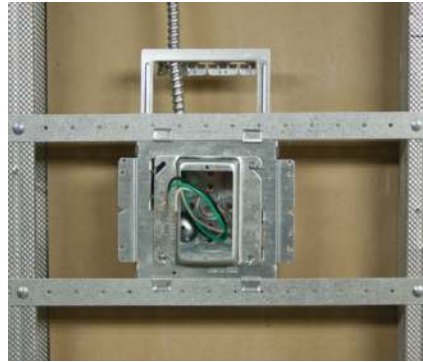
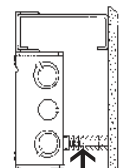
- 980 Patented spring-steel design installs in seconds without tools
- 978 simply snaps into hole in back of box and is easily cut to fit wall cavity

### Applications - SP2RAC

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

### Product Features

- 1" 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

**SBRNRRAC****9018****BOX-LOC® 980****978****978 Installed****SP2RAC****987**

### Brackets and Box Supports

| Catalog #                                                                        | Description                                       | Std. Pkg. | Bar Code |
|----------------------------------------------------------------------------------|---------------------------------------------------|-----------|----------|
| <b>Two-Point Box Mounting Brackets</b>                                           |                                                   |           |          |
| <b>9018</b>                                                                      | Left or right side stud mount                     | 100       | —        |
| <b>Single Box Mounting Bracket With Cable Support - For MC/BX Wiring Systems</b> |                                                   |           |          |
| <b>SBRNRRAC</b>                                                                  | Positions a 4" Sq. junction box between two studs | 30        | —        |
| <b>Box-Loc Metal Stud Clip</b>                                                   |                                                   |           |          |
| <b>980</b>                                                                       | Spring steel bracket                              | 50        |          |
| <b>Plastic Far Side Support</b>                                                  |                                                   |           |          |
| <b>978</b>                                                                       | 1-7/8" rigid, plastic support                     | 50        | —        |
| <b>Between Stud Spanner Bar</b>                                                  |                                                   |           |          |
| <b>SP2RAC</b>                                                                    | Spans 24" between two metal or wood studs         | 30        | —        |
| <b>Bracket Support</b>                                                           |                                                   |           |          |
| <b>987</b>                                                                       | Heavy duty universal bracket support              | 25        | —        |

## Box Support Products

### Box and Cable Supports - Between Studs and Floor

#### Applications - 9009, 9010

- 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 4-11/16" 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 1/16" of drywall every time. Will not bulge or break out drywall



9009



9010

#### Compliance



#### 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



CS1RAC

#### Floor Mounted Box Support

| Catalog # | Description      | Std. Pkg. | Bar Code |
|-----------|------------------|-----------|----------|
| 9009      | 12" Tall bracket | 25        | —        |
| 9010      | 18" Tall bracket | 25        | —        |

#### 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 12-2 MC to 10-4 MC
- Heavy 20 gauge .038" gauge pre-galvanized steel construction for secure and rigid support of boxes in wall cavity

#### MC/BX Cable Holder

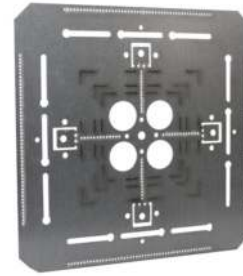
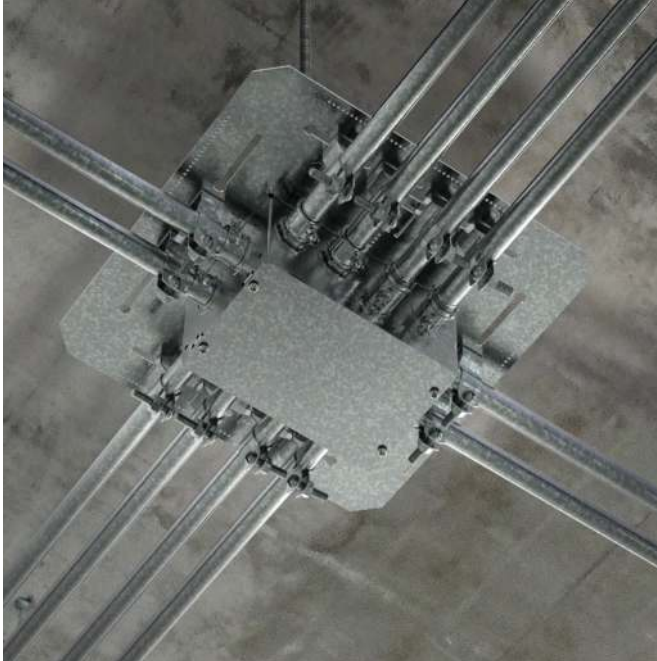
| Catalog # | Description             | Std. Pkg. | Bar Code |
|-----------|-------------------------|-----------|----------|
| CS1RAC    | 16" -10 Cable positions | 50        | —        |

#### Compliance



# Box Support Plates

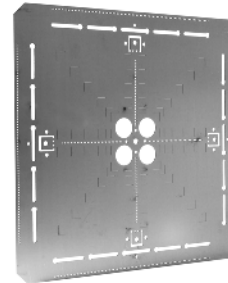
## Box Supports - Ceiling



9112R



9112RL



9118R

### Applications

- RACO® box support and conduit positioning plates offer flexible options for quickly hanging electrical boxes in commercial or industrial overhead applications. Also provides a means of positioning for conduit exiting the box. Create a clean, organized and strong installation that saves time and materials compared to traditional suspended procedures.

Two 12" models accommodate up to 6" x 6" boxes. Larger 18" model can hold multiple 4" square boxes, or larger boxes up to 12" x 12", including our Grand Slam junction box.

### 12" x 12" Square Box & Conduit Hangers

| Catalog # | Description                             | Std. Pkg. | Bar Code |
|-----------|-----------------------------------------|-----------|----------|
| 9112R     | Flat plate, 16 gauge galvanized steel   | 10        | —        |
| 9112RL    | Lanced plate, 16 gauge galvanized steel | 10        | —        |

### 18" x 18" Square Box & Conduit Hangers

| Catalog # | Description                           | Std. Pkg. | Bar Code |
|-----------|---------------------------------------|-----------|----------|
| 9118R     | Flat plate, 16 gauge galvanized steel | 5         | —        |

### Product Features

- Mount horizontally or vertically from a single 3/8" threaded rod
- Bendable tabs secure plate in vertical installation
- Multiple markings for easier box alignment
- Pre-punched holes for rear raceway access
- Holes and slots provide limitless options for clamp or strap installation
- Lanced feature on 9112RL for easier one-hole strap installation
- Constructed of 16 gauge galvanized steel

### Compliance

-  US LISTED

## Accessories for Steel Boxes

### Box Supports - Ceiling

#### Applications - 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

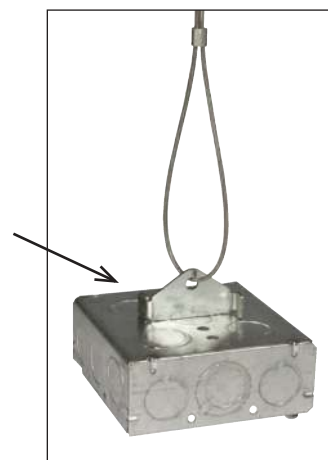
- Bar hangers attach to octagon or square boxes through center 1/2" knockouts
- Remove knockout from box, also the screw and fixture clip from bar hanger
- When box is located accurately between joists, tighten the screw securely



920, 922



991



#### KWIK-HANG™ Applications

- Designed to support 4" square, 4-11/16" square, round, or octagon boxes in hanging applications
- Uses 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
-  LISTED for static fixtures load of 50 lbs or less

#### Adjustable Bar Hangers

| Catalog # | Description                      | Recommended Max. Loads     |                       | Std. Pkg. | Bar Code |
|-----------|----------------------------------|----------------------------|-----------------------|-----------|----------|
|           |                                  | Ceiling Fan (Dynamic) Lbs. | Fixture (Static) Lbs. |           |          |
| 920       | Clip, adjusts 14-1/4" to 22-1/2" | No                         | 10**                  | 25        |          |
| 922       | Clip, adjusts 14-1/4" to 22-1/2" | No                         | 10**                  | 50        | —        |

#### Box Support Products

| Catalog # | Description                   | Std. Pkg. | Bar Code |
|-----------|-------------------------------|-----------|----------|
| 991       | KWIK-HANG™ Box Support Hanger | 50        | —        |

## Accessories for Steel Boxes

### “Old Work Saddle” Application - 970RAC

- The “Old Work Saddle” 907RAC is designed to be used with 2-1/2" deep switch boxes that have plaster ears

### “Old Work Saddle”

#### Product Features

- 970RAC installs into the 1/2" bottom conduit knockout

### Grip-Lok® Application

#### 977, 8977, 8977-5

- The GRIP-LOK support is designed to be used with any deep switch box that has plaster ears

### Grip-Lok® Product Feature

- Simply slip GRIP-LOK between box and wall, then bend tabs into the box

### Application - 9008, 9017

- Mounts standard low voltage wall plates, old work (existing walls)

### Product Features

- For use on low voltage Class 2 circuits only where electrical boxes are not required
- Can be used to mount telephone jacks, computer outlets, security/sound systems, television antennas, etc.
- Fast, precise mounting of low voltage wall plates to walls or studs

### Compliances

-  US LISTED

### Add-A-Depth Applications - 976

- Add-A-Depth ring or “goof ring” is designed to act as a barrier between combustible wall surfaces and the wiring system
- For single and two-gang device boxes
- There is no UL standard for this product
- Subject to acceptance by an electric inspector

### NEC Code 314.20

- See page A(3) 2017 Standards

### Compliances

-  US LISTED

### Application - 969

- Old work box support clips convert standard switch box to old work type

### Product Features

- Old work switch box clips for use with 1/2" thick standard drywall



970RAC

977, 8977,  
8977-5

969



9017



976



999



987



961



962

### Accessories

| Catalog #                                      | Description                                                                                 | Std. Pkg. | Bar Code |
|------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|----------|
| <b>Switch Box Support “Old Work Saddle”</b>    |                                                                                             |           |          |
| 970RAC                                         | Mounts switch boxes w/ plaster ears in hollow walls or ceilings                             | 10        |          |
| <b>Grip-Lok® “Old Work” Switch Box Support</b> |                                                                                             |           |          |
| 977                                            | Supplied as a pair to mount switch box with plaster ears in a hollow wall, 1-7/8" long legs | 100 pairs | —        |
| 8977                                           | Supplied as a pair to mount switch box with plaster ears in a hollow wall, 1-7/8" long legs | 25 pairs  |          |
| 8977-5*                                        | Supplied as a pair to mount switch box with plaster ears in a hollow wall, 1-7/8" long legs | 100 pairs |          |
| <b>Old Work Switch Box Clips</b>               |                                                                                             |           |          |
| 969                                            | Old Work clips for switch boxes, 1/2" sheetrock                                             | 50 pairs  |          |
| <b>Low Voltage Mounting Bracket</b>            |                                                                                             |           |          |
| 9017                                           | New or Old Work 1-gang                                                                      | 20 Bags** |          |
| <b>Add-A-Depth Ring</b>                        |                                                                                             |           |          |
| 976                                            | Adjustment range 1/4" - 1", two 1-1/8" screws included                                      | 25 Bags   |          |
| <b>Device Leveling Plate</b>                   |                                                                                             |           |          |
| 999                                            | FLUSH-FIT device leveler                                                                    | 50        | —        |
| <b>Box Support</b>                             |                                                                                             |           |          |
| 987                                            | Heavy duty Universal Box Support (UBS)                                                      | 25        |          |

Notes: \*4 Bundles of 25 - sold in carton quantities only.

\*\*2 Brackets per polybag.

### Switch Box Support “Old Work Saddle”

| Cat. # | Description                              | For RACO® Switch Boxes                                                                 | Std. Pkg. | Bar Code |
|--------|------------------------------------------|----------------------------------------------------------------------------------------|-----------|----------|
| 961    | Plaster ears - open style with screws    | 410, 420, 440, 445, 500, 503, 506, 508, 526, 545, 560, 565, 567, 570RAC, 590, 600, 601 | 100       |          |
| 962    | Plaster ears - clipped style with screws | 150, 400, 591                                                                          | 100       |          |

# Protector Plates

## Cable Protector Plates

### Puzzle-Plate® Cable Protectors

#### Application - 2712 - 2713R

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



2712, 2712R, 2712-9R, 2713R Puzzle-Plates®



2709, 2709-9, 2710 Standard Type



701AJT



702AJT

### Puzzle-Plate® 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



701FG



701RD



701FD

### Compliances

- (not 2712, 2712-9, 2713)

### Nailing Spur Applications -

#### 2709, 2710

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

### Product Features

- Old work

### Compliances

- 

### Application - 701AJT - 701FG

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

### Product Features

- Raised - covers protect Decora, duplex and switch devices
- Flat - covers close off mudring opening to protect wiring from drywall's router bit tools
- Feature patented wire retrieval loop to hold data wire in place

### Cable Protector Plates - For Wood Studs

| Cat. #  | Contractor Pack | Description                 | Length  | Material Thickness | Std. Pkg. | Bar Code |
|---------|-----------------|-----------------------------|---------|--------------------|-----------|----------|
| 2712    | —               | Puzzle-Plate / Gangable     | 2-3/4"  | .0510"             | 100       |          |
| 2712-9R | Yes             | Puzzle-Plate / Gangable     | 2-3/4"  | .0625"             | 50        | —        |
| 2712R   | —               | Puzzle-Plate / Gangable     | 2-3/4"  | .0625"             | 100       |          |
| 2713R   | —               | Puzzle-Plate / Gangable     | 5"      | .0625"             | 50        |          |
| 2709    | —               | Standard Type / Nongangable | 2-9/16" | .0625"             | 100       |          |
| 2709-9  | Yes             | Standard Type / Nongangable | 2-9/16" | .0625"             | 100       | —        |
| 2710    | —               | Standard Type / Nongangable | 2-9/16" | .0625"             | 200       | —        |

### Raised or Flat Device & Wire Protection Plates

| Cat. # | Description                                                  | Device Protect      | Std. Pkg. |
|--------|--------------------------------------------------------------|---------------------|-----------|
| 701AJT | 3/4" raised, for 1 device adjustable mudring                 | GFI, Duplex, Switch | 24        |
| 702AJT | 3/4" raised, for 2 device adjustable mudring                 | GFI, Duplex, Switch | 24        |
| 701RD  | Gangable for RACO 686, 687, & RACO nongangable masonry boxes | For Caddy® MPIS     | 24        |
| 701FD  | 3/4" raised, low voltage                                     | For Caddy® MPIS     | 50        |
| 701FG  | Flat, gangable for 686, 687, RACO gang masonry boxes         | Opening and Wires   | 100       |

## Box Grounding Products



982, 994 #14 Wire,  
996, 8996-1, 8983-1,  
983 #12 Wire



984



992 #14 Wire  
993 #12 Wire



998,  
8998-1



973,  
8973-1



975,  
8975-1

## 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 gauge copper conductor or No. 12 and 10 gauge aluminum conductor
- Only one solid ground wire to be installed per ground clip

## Grounding Pigtails

| CAT.#<br>Wire<br>6" | Length<br>8" | Description                                                                                                                                  | Std.<br>Pkg. | Bar<br>Code |
|---------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| 982                 | 994          | #14 Solid insulated copper wire, captive 4-way combo head green dye finish ground screw one end (25 pc. bundles)                             | 1000         | —           |
| 983                 | 996          | #12 Solid insulated copper wire, captive 4-way combo head green dye finish ground screw one end (25 pc. bundles)                             | 1000         | —           |
| 8983-1              | 8996-1       | #12 Solid insulated copper wire, captive 4-way combo head green dye finish ground screw one end, poly bag (10 pc. per bag)                   | 40<br>Bags*  |             |
| 984                 |              | #14 Solid bare copper wire, captive 4-way combo head green dye finish ground screw one end (25 bundles)                                      | 1000         | —           |
| 992                 |              | #14 Stranded insulated copper wire, captive 4-way combo head green dye finish ground screw one end, spade terminal one end (100 pc. bundles) | 500          | —           |
| 993                 |              | #12 Stranded insulated copper wire, captive 4-way combo head green dye finish ground screw one end, spade terminal one end (100 pc. bundles) | 500          | —           |

## Grounding Screws and Clips

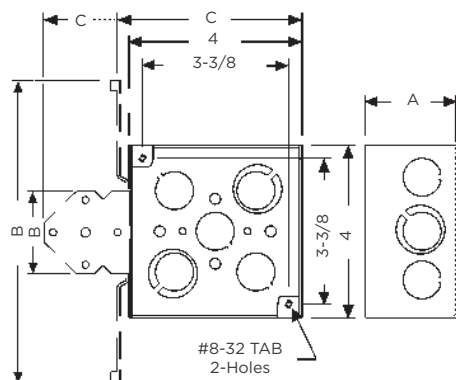
| Cat. # | Description                                                                                                             | Std.<br>Pkg. | Bar<br>Code |
|--------|-------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| 998    | 4-Way combo head green dye finish 3/8" ground screw for 10-32 tapped hole, clam shell packaged (100 pc. Per clam shell) | 1000         |             |
| 8998-1 | 4-Way combo head green dye finish 3/8" ground screw for 10-32 tapped hole, poly bag (10 pc. Per bag)                    | 50<br>Bags*  |             |
| 973    | Slotted head green dye finish 3/8" ground screw for 10-32 tapped hole, clam shell package (100 pc. Per clam shell)      | 1000         |             |
| 8973-1 | Slotted head green dye finish 3/8" ground screw for 10-32 tapped hole, poly bag (10 pc. Per bag)                        | 50<br>Bags*  |             |
| 975    | Green dye finish ground clip for #14-#10 AWG copper, clam shell package (100 pc. Per clam shell)                        | 1000         |             |
| 8975-1 | Green dye finish ground clip for #14-#10 AWG copper, poly bag (10 pc. Per bag)                                          | 50<br>Bags*  |             |

Notes: \*Order standard package bag quantifies only, not per piece.

# Detailed Drawings

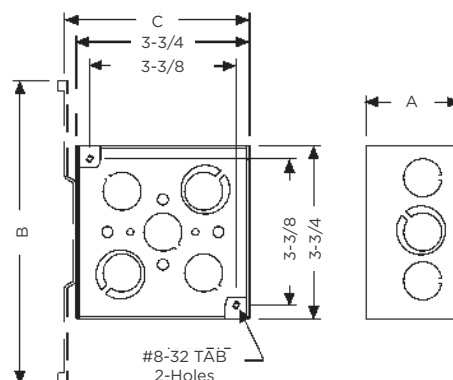
## Square Boxes

### 4" Square Conduit Boxes



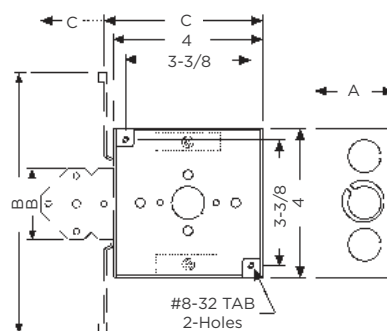
| Cat. #    | Dimensions |          |          |
|-----------|------------|----------|----------|
|           | A (Inside) | B        | C        |
| 181       | 1-1/2"     | -        | -        |
| 185       | 1-1/4"     | -        | -        |
| 187       | 1-1/2"     | -        | -        |
| 199       | 1-1/2"     | 6-7/8"   | 4-3/8"   |
| 202       | 1-1/2"     | -        | -        |
| 204       | 1-1/2"     | -        | -        |
| 207       | 2-1/8"     | -        | -        |
| 226       | 1-1/2"     | -        | -        |
| 227       | 1-1/2"     | 4-5/8"   | 5-1/2"   |
| 236       | 2-1/8"     | 7-5/8"   | 4-3/8"   |
| 237       | 2-1/8"     | 7-5/8"   | 4-3/8"   |
| 238       | 2-1/8"     | 4-5/8"   | 5-1/2"   |
| 239       | 2-1/8"     | -        | -        |
| 251       | 2-1/8"     | 1-31/32" | 6"       |
| 8197      | 1-1/2"     | 7-3/8"   | 4-3/8"   |
| 189, 8189 | 1-1/2"     | -        | -        |
| 189F      | 1-1/2"     | -        | -        |
| 189H      | 1-1/2"     | 3-1/8"   | 4-15/16" |
| 189HWP    | 1-1/2"     | 3-1/8"   | 4-15/16" |
| 189M      | 1-1/2"     | 3-1/8"   | 4-15/16" |
| 189RAC    | 1-1/2"     | -        | -        |
| 189SM     | 1-1/2"     | -        | -        |
| 190, 8190 | 1-1/2"     | -        | -        |
| 191, 8191 | 1-1/2"     | -        | -        |
| 192, 8192 | 1-1/2"     | -        | -        |
| 192SM     | 1-1/2"     | -        | -        |
| 232D      | 2-1/8"     | -        | -        |
| 193, 8193 | 1-1/2"     | 1-31/32" | 6"       |
| 196, 8196 | 1-1/2"     | 6-7/8"   | 4-3/8"   |
| 201, 8201 | 1-1/2"     | -        | -        |
| 203, 8203 | 1-1/2"     | -        | -        |
| 208, 8208 | 1-1/2"     | 6-13/16" | 5-15/16" |
| 231, 8231 | 2-1/8"     | -        | -        |
| 232, 8232 | 2-1/8"     | -        | -        |
| 232F      | 2-1/8"     | -        | -        |
| 232H      | 2-1/8"     | 3-1/8"   | 4-15/16" |
| 232M      | 2-1/8"     | 7"       | 4-15/16" |
| 232-OW    | 2-1/8"     | -        | -        |
| 232RAC    | 2-1/8"     | -        | -        |
| 232SM     | 2-1/8"     | -        | -        |
| 233, 8233 | 2-1/8"     | -        | -        |
| 235, 8235 | 2-1/8"     | 7"       | 4-5/16"  |
| 911-3     | 2-1/8"     | -        | -        |
| 911-4     | 2-1/8"     | 7-5/8"   | 4-3/8"   |
| 911-6     | 1-1/2"     | -        | -        |
| 911-9     | 1-1/2"     | -        | -        |

### 3-3/4" Square Conduit Boxes



| Cat. # | Dimensions |        |        |
|--------|------------|--------|--------|
|        | A (Inside) | B      | C      |
| 255    | 3-1/2"     | 7-5/8" | 3-3/4" |
| 911-1  | 3-1/2"     | 7-5/8" | 3-3/4" |
| 256    | 3-1/2"     | -      | -      |
| 911-2  | 3-1/2"     | -      | -      |

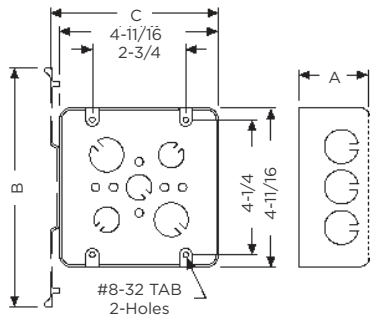
### 4" Square Cable Boxes



| Cat. #    | Dimensions |          |          |
|-----------|------------|----------|----------|
|           | A (Inside) | B        | C        |
| 223       | 1-1/2"     | 6-7/8"   | 4-3/8"   |
| 224       | 1-1/2"     | 1-31/32" | 6"       |
| 225       | 1-1/2"     | 1-31/32" | 6"       |
| 228       | 1-1/2"     | 4-5/8"   | 5-1/2"   |
| 229       | 1-1/2"     | 4-5/8"   | 5-1/2"   |
| 242       | 2-1/8"     | -        | -        |
| 243       | 2-1/8"     | 4-5/8"   | 5-1/2"   |
| 248       | 1-1/2"     | -        | -        |
| 249       | 2-1/8"     | 1-31/32" | 6"       |
| 211, 8211 | 1-1/2"     | -        | -        |
| 213, 8213 | 1-1/2"     | -        | -        |
| 213HWP    | 1-1/2"     | 3-1/8"   | 4-15/16" |
| 218, 8218 | 1-1/2"     | 6-7/8"   | 4-3/8"   |
| 240, 8240 | 2-1/8"     | 7"       | 4-5/16"  |
| 241, 8241 | 2-1/8"     | 7"       | 4-5/16"  |
| 248HWP    | 2-1/8"     | 3-1/8"   | 4-15/16" |

## Square Boxes

### 4-11/16" Square Conduit Boxes



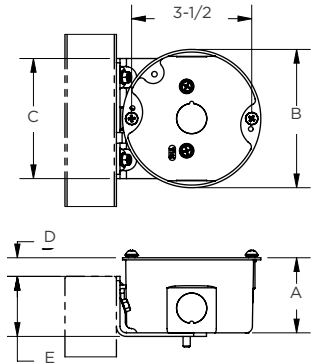
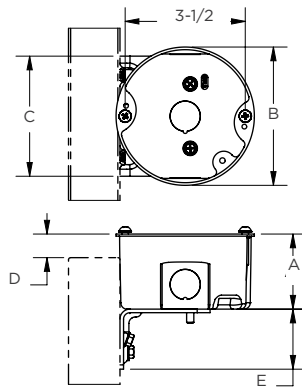
| Cat. #    | Dimensions |        |         |
|-----------|------------|--------|---------|
|           | A (Inside) | B      | C       |
| 245       | 1-1/2"     | -      | -       |
| 246       | 1-1/2"     | -      | -       |
| 247       | 1-1/2"     | -      | -       |
| 250       | 1-1/2"     | -      | -       |
| 254       | 2-1/8"     | 7-5/8" | 5-1/16" |
| 258       | 2-1/8"     | -      | -       |
| 259       | 2-1/8"     | -      | -       |
| 260       | 3-1/4"     | -      | -       |
| 262       | 2-1/8"     | -      | -       |
| 257, 8257 | 2-1/8"     | -      | -       |
| 257F      | 2-1/8"     | -      | -       |
| 257H      | 2-1/8"     | -      | -       |
| 257HS     | 2-1/8"     | -      | -       |
| 257M      | 2-1/8"     | -      | -       |
| 257SM     | 2-1/8"     | -      | -       |
| 258SM     | 2-1/8"     | -      | -       |
| 265, 8265 | 2-1/8"     | -      | -       |
| 911-12    | 2-1/8"     | -      | -       |
| 911-15    | 3-1/4"     | -      | -       |

## Ceiling Fan Support Products

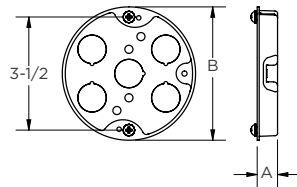
### Ceiling Fan Boxes

#### 291-1, 294, 294-1 (New Work)

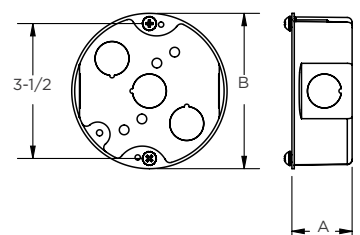
#### 294, 294-1 (Old Work)



#### 295 and 295-1



#### 296 - 299

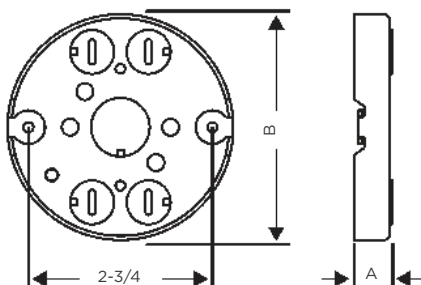


| Cat. #     | Dimensions |    |        |      |        |
|------------|------------|----|--------|------|--------|
|            | A (Inside) | B  | C      | D    | E      |
| 291-1      | 1-1/2"     | 4" | 3-1/2" | 1/2" | 1-3/4" |
| 294, 294-1 | 2-1/8"     | 4" | 3-1/2" | 1/2" | 1-3/4" |
| 295, 295-1 | 1/2"       | 4" | -      | -    | -      |
| 296, 296-1 | 1-1/2"     | 4" | -      | -    | -      |
| 299        | 2-1/8"     | 4" | -      | -    | -      |

## Ceiling Pans

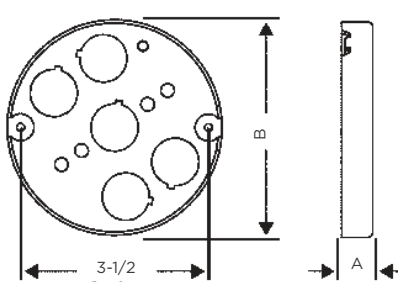
### Ceiling Pans - 3-1/2"

287, 292 and 8292



### Ceiling Pans - 4"

293 and 8293

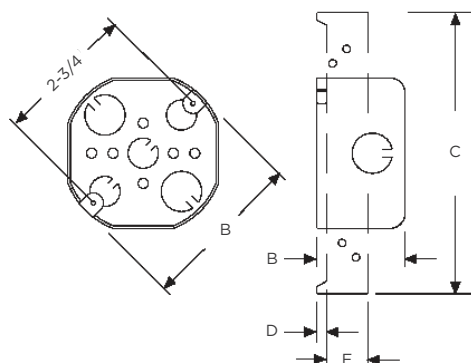


| Cat. # | Dimensions |        |
|--------|------------|--------|
|        | A (Inside) | B      |
| 287    | 11/16"     | 3-3/8" |
| 292    | 1/2"       | 3-3/8" |
| 8292   | 1/2"       | 3-3/8" |
| 293    | 1/2"       | 4"     |
| 8293   | 1/2"       | 4"     |

# Detailed Drawings

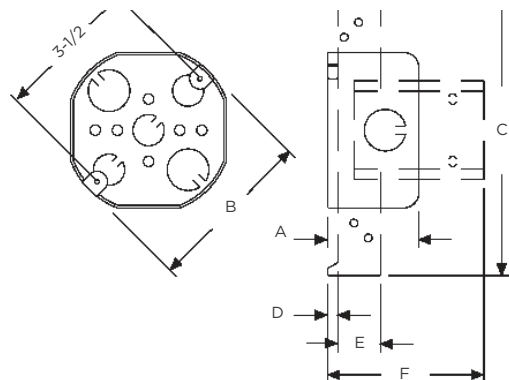
## Octagon Boxes

### 3-1/2" Octagon Boxes



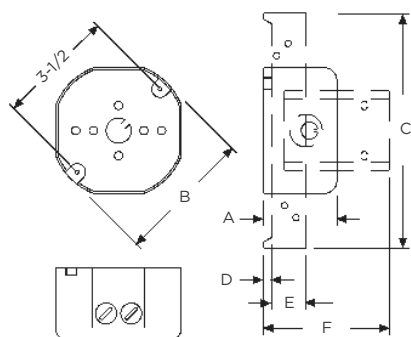
| Cat. # | Dimensions |        |    |   |         |
|--------|------------|--------|----|---|---------|
|        | A (Inside) | B      | C  | D | E       |
| 110    | 1-1/2"     | 3-1/2" | -  | - | -       |
| 111    | 1-1/2"     | 3-1/2" | -  | - | -       |
| 112    | 1-1/2"     | 3-1/2" | -  | - | -       |
| 119    | 1-1/2"     | 3-1/2" | 7" | - | 1-1/16" |

### 4" Octagon Conduit Boxes



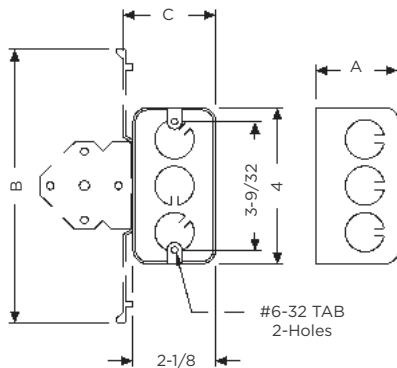
| Cat. #    | Dimensions |    |        |      |         |        |
|-----------|------------|----|--------|------|---------|--------|
|           | A (Inside) | B  | C      | D    | E       | F      |
| 125, 8125 | 1-1/2"     | 4" | -      | -    | -       | -      |
| 126       | 1-1/2"     | 4" | -      | -    | -       | -      |
| 127       | 1-1/2"     | 4" | -      | -    | -       | -      |
| 128       | 1-1/2"     | 4" | -      | -    | -       | -      |
| 130       | 1-1/2"     | 4" | -      | -    | -       | -      |
| 158       | 1-1/2"     | 4" | 2-3/8" | -    | -       | 3-1/8" |
| 165       | 2-1/8"     | 4" | -      | -    | -       | -      |
| 166       | 2-1/8"     | 4" | -      | -    | -       | -      |
| 161       | 1-1/2"     | 4" | 7"     | 1/2" | 1-1/16" | -      |
| 167       | 2-1/8"     | 4" | -      | -    | -       | -      |
| 167TS     | 2-1/8"     | 4" | 7"     | 1/2" | 1-1/16" | -      |

### 4" Octagon Cable Boxes

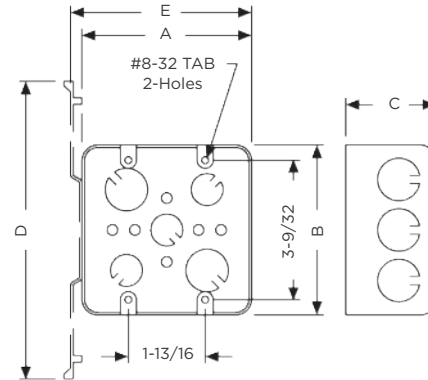


| Cat. # | Dimensions |    |        |      |         |        |
|--------|------------|----|--------|------|---------|--------|
|        | A (Inside) | B  | C      | D    | E       | F      |
| 145    | 1-1/2"     | 4" | -      | -    | -       | -      |
| 146    | 1-1/2"     | 4" | -      | -    | -       | -      |
| 150    | 1-1/2"     | 4" | -      | -    | -       | -      |
| 153    | 1-1/2"     | 4" | -      | -    | -       | -      |
| 155    | 1-1/2"     | 4" | 7"     | 1/2" | 1-1/16" | -      |
| 157    | 1-1/2"     | 4" | 2-3/8" | -    | -       | 3-1/8" |
| 160    | 1-1/2"     | 4" | 2-3/8" | -    | -       | 3-1/8" |
| 164    | 1-1/2"     | 4" | 7"     | 1/2" | 1-1/16" | -      |
| 175    | 2-1/8"     | 4" | -      | -    | -       | -      |
| 176    | 2-1/8"     | 4" | 2-3/8" | 5/8" | -       | 3-3/4" |
| 177    | 2-1/8"     | 4" | 7"     | 1/2" | 1-1/16" | -      |

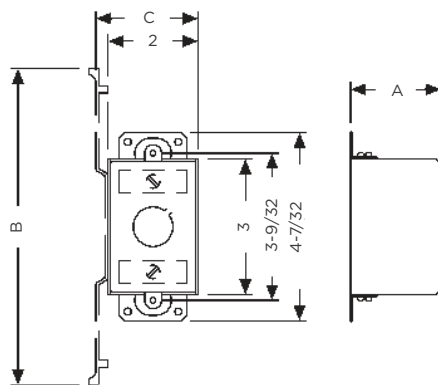
## Handy Boxes and Switch Boxes

**Handy Boxes**

| Cat. #    | Dimensions |         |         |
|-----------|------------|---------|---------|
|           | A (Inside) | B       | C       |
| 661       | 1-7/8"     | 6-7/16" | 2-7/32" |
| 662       | 1-7/8"     | 7"      | 2-3/8"  |
| 670RAC    | 2-1/8"     | -       | -       |
| 8670      | 2-1/8"     | -       | -       |
| 674       | 2-1/8"     | -       | -       |
| 678       | 2-1/8"     | 7"      | 2-3/8"  |
| 650, 8650 | 1-1/2"     | -       | -       |
| 650CSA    | 1-1/2"     | -       | -       |
| 653       | 1-1/2"     | -       | -       |
| 660, 8660 | 1-7/8"     | -       | -       |
| 611       | 1-7/8"     | -       | -       |
| 660SM     | 1-7/8"     | -       | -       |
| 663, 8663 | 1-7/8"     | -       | -       |
| 663SM     | 1-7/8"     | -       | -       |
| 665       | 1-7/8"     | -       | -       |
| 671       | 2-1/8"     | 6-7/16" | 2-7/32" |

**2-Gang Handy Boxes / Switch Boxes**

| Cat. # | Dimensions |    |    |    |         |
|--------|------------|----|----|----|---------|
|        | A (Inside) | B  | C  | D  | E       |
| 680    | 2-1/8"     | 4" | 4" | -  | -       |
| 681    | 2-1/8"     | 4" | 4" | 7" | 4-9/32" |
| 683    | 2-1/8"     | 4" | 4" | -  | -       |
| 685    | 2-1/8"     | 4" | 4" | 7" | 4-9/32" |

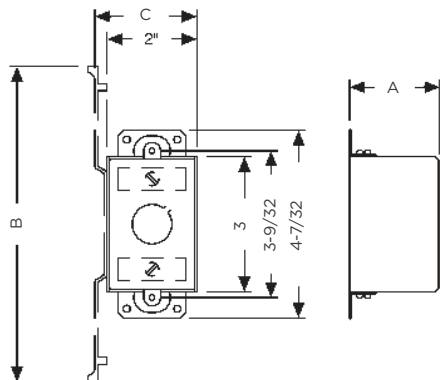
**1-Gang and Gangable Conduit Switch Boxes**

| Cat. #    | Dimensions |          |          |
|-----------|------------|----------|----------|
|           | A (Inside) | B        | C        |
| 400       | 1-1/2"     | -        | -        |
| 420       | 2"         | -        | -        |
| 501       | 2-1/2"     | -        | -        |
| 502       | 2-1/2"     | 1-31/32" | 4"       |
| 503       | 2-1/2"     | -        | -        |
| 506       | 2-1/2"     | -        | -        |
| 508       | 2-1/2"     | -        | -        |
| 509       | 2-1/2"     | -        | -        |
| 560       | 2-3/4"     | -        | -        |
| 562       | 2-3/4"     | 7"       | 2-13/64" |
| 565       | 2-3/4"     | -        | -        |
| 591       | 3-1/2"     | -        | -        |
| 592       | 3-1/2"     | -        | -        |
| 500, 8500 | 2-1/2"     | -        | -        |
| 504, 8504 | 2-1/2"     | 7"       | 2-13/64" |
| 590, 8590 | 3-1/2"     | -        | -        |

# Detailed Drawings

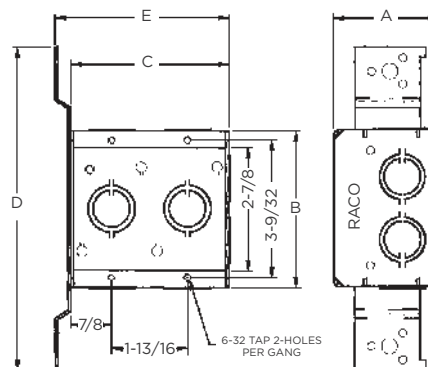
## Switch Boxes

### 1-Gang and Gangable Cable Switch Boxes



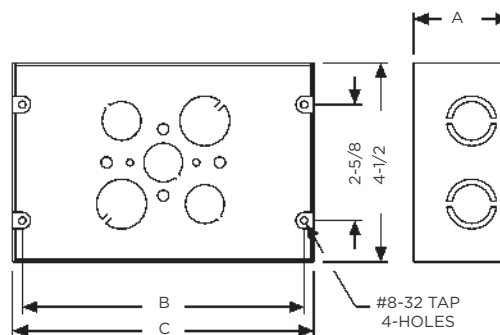
| Cat. #    | Dimensions |          |          |
|-----------|------------|----------|----------|
|           | A (Inside) | B        | C        |
| 410       | 1-1/2"     | -        | -        |
| 440       | 2"         | -        | -        |
| 445       | 2"         | -        | -        |
| 471       | 2-1/4"     | -        | -        |
| 473       | 2-1/4"     | -        | -        |
| 487       | 2-1/4"     | -        | -        |
| 512       | 2-1/2"     | -        | -        |
| 517       | 2-1/2"     | -        | -        |
| 518       | 2-1/2"     | -        | -        |
| 519       | 2-1/2"     | -        | -        |
| 522       | 2-1/2"     | 1-31/32" | 5-3/64"  |
| 523       | 2-1/2"     | -        | -        |
| 526       | 2-1/2"     | 1-3/8"   | 3-13/32" |
| 528       | 2-1/2"     | -        | -        |
| 529       | 2-1/2"     | 1-31/32" | 5-3/64"  |
| 531       | 2-1/2"     | 7"       | 2-13/64" |
| 545       | 2-1/2"     | -        | -        |
| 564       | 2-3/4"     | 7"       | 2-13/64" |
| 567       | 2-3/4"     | -        | -        |
| 574       | 2-3/4"     | 7"       | 2-13/64" |
| 600       | 3-1/2"     | -        | -        |
| 603       | 3-1/2"     | 1-31/32" | 4"       |
| 604       | 3-1/2"     | 7"       | 2-13/64" |
| 605       | 3-1/2"     | 7"       | 2-13/64" |
| 524, 8524 | 2-1/2"     | 7"       | 2-13/64" |
| 570RAC    | 2-3/4"     | -        | -        |
| 601, 8601 | 3-1/2"     | -        | -        |

### Multi-Device Switch Boxes



| Cat. # | Dimensions |        |         |        |          |
|--------|------------|--------|---------|--------|----------|
|        | A (Inside) | B      | C       | D      | E        |
| 686    | 2-1/2"     | 3-3/4" | 5-9/16" | 7-5/8" | 5-31/32" |
| 687    | 2-1/2"     | 3-3/4" | 7-3/8"  | 7-5/8" | 7-25/32" |

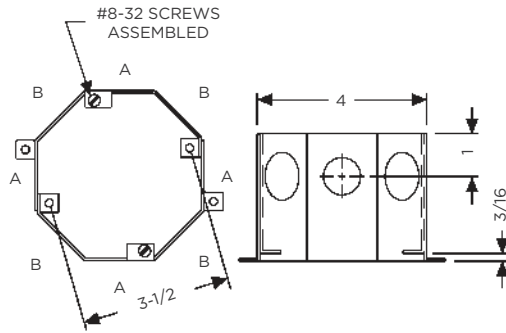
### Multi-Gang Boxes



| Cat. # | Dimensions |           |           |
|--------|------------|-----------|-----------|
|        | A (Inside) | B         | C         |
| 941    | 2-1/2"     | 6-3/8"    | 6-13/16"  |
| 942    | 2-1/2"     | 8-3/16"   | 8-5/8"    |
| 943    | 2-1/2"     | 10"       | 10-7/16"  |
| 944    | 2-1/2"     | 11-13/16" | 12-1/4"   |
| 945    | 2-1/2"     | 13-5/8"   | 14-1/16"  |
| 951    | 1-5/8"     | 6-3/8"    | 6-13/16"  |
| 952    | 1-5/8"     | 8-3/16"   | 8-5/8"    |
| 953    | 1-5/8"     | 10"       | 10-7/16"  |
| 954    | 1-5/8"     | 11-13/16" | 12-1/4"   |
| 955    | 1-5/8"     | 13-5/8"   | 14-1/16"  |
| 956    | 1-5/8"     | 15-7/16"  | 15-7/8"   |
| 957    | 1-5/8"     | 17-1/4"   | 17-11/16" |
| 958    | 1-5/8"     | 19-1/16"  | 19-1/2"   |

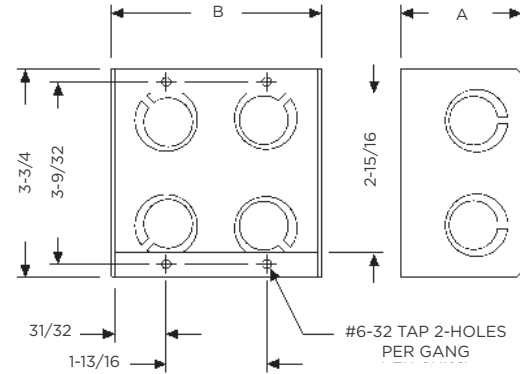
## Concrete Rings and Masonry Boxes

### Steel Concrete Rings



| Knockout Size | Dimensions |      |
|---------------|------------|------|
|               | A          | B    |
| 1/2" & 3/4"   | 1/2"       | 3/4" |
| 3/4" & 1"     | 3/4"       | 1"   |

### Steel Masonry Boxes



| Cat. # | Dimensions |          |
|--------|------------|----------|
|        | A (Inside) | B        |
| 688    | 2-1/2"     | 1-15/16" |
| 690    | 2-1/2"     | 1-31/32" |
| 691    | 2-1/2"     | 3-25/32" |
| 692    | 2-1/2"     | 5-19/32" |
| 693    | 2-1/2"     | 7-13/32" |
| 694    | 2-1/2"     | 9-7/32"  |
| 960    | 2-1/2"     | 11-1/32" |
| 689    | 3-1/2"     | 5-19/32" |
| 695    | 3-1/2"     | 1-31/32" |
| 8695   | 3-1/2"     | 1-31/32" |
| 696    | 3-1/2"     | 3-25/32" |
| 697    | 3-1/2"     | 5-19/32" |
| 698    | 3-1/2"     | 7-13/32" |
| 699    | 3-1/2"     | 9-7/32"  |
| 965    | 3-1/2"     | 11-1/32" |

# **Non-Metallic Boxes, Covers, and Accessories**

## Standards, 2023 National Electrical Code®

| Most Often Requested Sections of the 2020 National Electric Code®                                                                                                                                                                                                                                                     | How RACO® Products Help Complete the Installation                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>314.27 (A) Boxes at Lighting Fixture Outlets.</b> Outlet boxes or fittings designed for the support of lighting fixtures, and installed as required by 314.23 , shall be permitted to support a light fixture.                                                                                                     | Our octagon boxes are designed for direct mounting of light fixtures of 6 lbs or less.<br>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]. |
| <b>410.20 Space for Conductors.</b> 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. 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.                                                                                      |
| <b>314.27 (B) Floor Boxes.</b> 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. | 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.                                                                                                                                                                                                                                                                          |
| <b>314.27 (C) Boxes at Fan Outlets.</b> Boxes that support ceiling fans must be listed for that purpose.                                                                                                                                                                                                              | 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.                                                                                                                                                              |
| <b>410.36 (A) Means of Support — Outlet Boxes.</b> 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.                                                                                                 | 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.                                                                                                                                                                                                                |
| <b>406.12, 406.3B, 406.4 Tamper-Resistant Receptacles</b> in dwelling units.                                                                                                                                                                                                                                          | This prevents shocks to small children that like to insert keys, paper clips, etc. into the receptacle slots.                                                                                                                                                                                                                                                                                                  |



# 1-Gang

## Non-Metallic Cable Boxes

**7302RAC, 7820RAC****7873RAC**

### Applications

- RACO® Non-Metallic 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® Non-Metallic 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

### Compliance

- LISTED
- 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

### 1-Gang with Captive Nails – For Non-Metallic Sheathed Cable

| Catalog #      | Description                                                              | Cable Knockouts | Std. Pkg. | Bar Code |
|----------------|--------------------------------------------------------------------------|-----------------|-----------|----------|
| <b>7302RAC</b> | 2-3/4" Deep, 18.0 Cu. In. (294.9 cm <sup>3</sup> ), Nails, 1/2" Setback  | 4               | 100       |          |
| <b>7820RAC</b> | 3-3/16" Deep, 20.3 Cu. In. (332.6 cm <sup>3</sup> ), Nails, 1/2" Setback | 4               | 100       |          |
| <b>7873RAC</b> | 3-1/2" Deep, 23.0 Cu. In. (376.8 cm <sup>3</sup> ), Nails, 1/2" Setback  | 4               | 100       |          |

### Applications

- Quickly repair stripped or damaged plastic electrical boxes—no need to replace the entire box. This strong metal clip holds outlets and switches tight.

**NEW****8988RAC**

### Product Features

- Eliminates the need to replace the box
- Fits flush to the box using patented design
- Works on almost any plastic box type or thickness
- Slides easily to align screw holes
- Saves time and money for property managers and DIYers

See end of section (Pg A104) for detailed drawings »

### 1-Gang with Captive Nails – For Non-Metallic Sheathed Cable

| Catalog #       | Description                                             | Std. Pkg. | Bar Code |
|-----------------|---------------------------------------------------------|-----------|----------|
| <b>8988RAC*</b> | Plastic box repair clip, 10 bags of 10 clips and screws | 100       |          |

Notes: \*Not UL Listed.



## Non-Metallic Cable Boxes

### Applications

- RACO® Non-Metallic 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® Non-Metallic 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

### Compliance

-  LISTED
- 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



7835RAC



7645RAC



7846RAC



7848RAC



7874RAC

### 2-Gang with Captive Nails for Wood Studs – For Non-Metallic Sheathed Cable

| Catalog # | Description          | Cable Clamps | Cu. In. Cap.                     | Std. Pkg. | Bar Code |
|-----------|----------------------|--------------|----------------------------------|-----------|----------|
| 7835RAC   | 2-29/32" Deep, Nails | 8            | 32.5<br>(532.5 CM <sup>3</sup> ) | 15        |          |

### Multi-gang with Captive Nails for Wood Studs – For Non-Metallic Sheathed Cable

| Catalog # | Description                                               | Cable Clamps | Cu. In. Cap.                     | Std. Pkg. | Bar Code |
|-----------|-----------------------------------------------------------|--------------|----------------------------------|-----------|----------|
| 7645RAC   | 2-5/8" Deep, 4-Gang, Nails, 1/2" Setback, Bracket Support | 12           | 55.0<br>(901.2 CM <sup>3</sup> ) | 25        |          |
| 7846RAC   | 2-3/4" Deep, 3-Gang, Nails, 1/2" Setback                  | 12           | 44.0<br>(720.9 CM <sup>3</sup> ) | 8         |          |

### Multi-gang, Large Capacity, with Captive Nails – For Wood Stud or Face Mount to Wood or Metal Stud - Non-Metallic Sheathed Cable

| Catalog # | Description                                       | Cable Clamps | Cu. In. Cap.                     | Std. Pkg. | Bar Code |
|-----------|---------------------------------------------------|--------------|----------------------------------|-----------|----------|
| 7848RAC   | 3-7/8" Deep, 2-Gang, Nails, 1/2" Setback, Bracket | 8            | 48.0<br>(786.5 CM <sup>3</sup> ) | 50        |          |
| 7847RAC   | 3-7/8" Deep, 3-Gang, Nails, 1/2" Setback, Bracket | 12           | 74.0                             | 50        |          |

See end of section (Pg A104) for detailed drawings »



## Non-Metallic Cable Boxes

### Applications

- RACO® Non-Metallic 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® Non-Metallic 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

### Standard Material

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

### Compliance

-  LISTED
- 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

**7308RAC****7318RAC****7717RAC**

#### 1-Gang with Brackets for Metal or Wood Studs – For Non-Metallic Sheathed Cable

| Catalog #      | Description                                                                    | Cable Knockouts | Std. Pkg. | Bar Code |
|----------------|--------------------------------------------------------------------------------|-----------------|-----------|----------|
| <b>7308RAC</b> | 1-1/4" Deep, 8.0 Cu. In. (131.0 cm <sup>3</sup> ), 3/8" Setback, Bracket       | 2               | 25        |          |
| <b>7318RAC</b> | 1-1/4" Deep, 8.0 Cu. In. (131.0 cm <sup>3</sup> ), Flanged, 3/8" Setback       | 2               | 25        |          |
| <b>7717RAC</b> | 2-27/32" Deep, 20.0 Cu. In. (327.7 cm <sup>3</sup> ), Face Mount, 1/2" Setback | 4               | 100       |          |

See end of section (Pg A104) for detailed drawings »



## Non-Metallic Cable Boxes

### Applications

- RACO® Non-Metallic 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® Non-Metallic 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 PVC (Polyvinyl chlor-ide) compound. 7122RAC and 7922RAC are polycarbonate

### Compliance

- LISTED
- 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



7887RAC



7488RAC



7122RAC



7922RAC



7232RAC



978

980  
BOX-LOC®

### Old Work Cable Boxes – For Non-Metallic Sheathed Cable

| Cat. #  | Description & Setback                                                                                                                     | Cable Clamps | Std. Pkg. | Bar Code |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|----------|
| 7887RAC | 1-Gang, 2-29/32" Deep, 14.0 Cu. In. (229.4 cm <sup>3</sup> ), Flush Mount                                                                 | 4            | 50        |          |
| 7488RAC | 2-Gang, 2-3/4" Deep, 25.0 Cu. In. (409.6 cm <sup>3</sup> ), Flush Mount                                                                   | 6            | 30        |          |
| 7122RAC | 3-1/2" Round, 2-13/16" Deep, 18.0 Cu. In. (294.9 cm <sup>3</sup> ), Flush Mount, Recommended Max. Support Loads - 6 Fixture Lbs. (Static) | 4            | 100       |          |
| 7922RAC | 3-1/2" Round, 2-13/16" Deep, 18.0 Cu. In. (294.9 cm <sup>3</sup> ), Flush Mount, Ground Plate                                             | 4            | 100       |          |

### 4" Square Boxes – For Non-Metallic Sheathed Cable

| Cat. #  | Description & Setback                                     | Cable Clamps | Std. Pkg. | Bar Code |
|---------|-----------------------------------------------------------|--------------|-----------|----------|
| 7232RAC | 2-5/8" Deep, 32.0 Cu. In. (524.3 cm <sup>3</sup> ), Nails | 10           | 8         |          |

### Accessories

| Cat. # | Description             | Std. Pkg. | Bar Code |
|--------|-------------------------|-----------|----------|
| 978    | Far-side Box Support    | 50        | —        |
| 980    | BOX-LOC Metal Stud Clip | 50        |          |

See end of section (Pg A104) for detailed drawings »



## Non-Metallic Cable Boxes

### Applications

- RACO® Non-Metallic 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® Non-Metallic 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

### Compliance

-  LISTED
- 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

**7119RAC****7919RAC****7823RAC****7824RAC**

### Round Ceiling Boxes

| Cat. #                                                       | Description & Setback                                                    | Cable Clamps | Std. Pkg. | Recommended Max. Support Loads |                      | Bar Code |
|--------------------------------------------------------------|--------------------------------------------------------------------------|--------------|-----------|--------------------------------|----------------------|----------|
|                                                              |                                                                          |              |           | Ceiling Fan (Dynamic)          | Fixture Lbs (Static) |          |
| 3-1/2" – With Captive Nails, For Non-Metallic Sheathed Cable |                                                                          |              |           |                                |                      |          |
| 7119RAC                                                      | 2-5/8" Deep, 18.0 Cu. In. (294.9 cm3), 1/2" Setback, Nails               | 4            | 75        | —                              | 50                   |          |
| 7919RAC                                                      | 2-5/8" Deep, 18.0 Cu. In. (294.9 cm3), 1/2" Setback, Nails, Ground Plate | 6            | 75        | —                              | 50                   |          |
| 4" – With Captive Nails, For Non-Metallic Sheathed Cable     |                                                                          |              |           |                                |                      |          |
| 7823RAC                                                      | 2-3/8" Deep, 20.0 Cu. In. (327.7 cm3), Ground Plate, 3/8" Setback, Nails | 4            | 75        | —                              | 50                   |          |
| 7824RAC                                                      | 2-3/8" Deep, 20.0 Cu. In. (327.7 cm3), 3/8" Setback, Nails               | 4            | 75        | —                              | 50                   |          |

See end of section (Pg A105) for detailed drawings »



## Non-Metallic Cable Boxes

## Applications

- RACO® Non-Metallic cable boxes are used in branch circuit wiring to splice wires
- Provide excellent protection for wiring system or devices
- RACO® 7907, 7307, 7825, 7826RAC are not designed for ceiling fan support

## Product Features

- RACO® Non-Metallic 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

- LISTED
- All versions of RACO 7120 are UL approved for Non-Metallic 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



7307



7907



7307



7907

7120VB  
SADDLE-BOX®7120  
SADDLE-BOX®7120-1  
SADDLE-BOX®

## Round Ceiling Set-up

| Cat. #                                                                    | Description & Setback                                                                       | Cable Clamps | Std. Pkg. | Recommended Max. Support Loads |                      | Bar Code |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|-----------|--------------------------------|----------------------|----------|
|                                                                           |                                                                                             |              |           | Ceiling Fan (Dynamic)          | Fixture Lbs (Static) |          |
| 3-1/2" – For Spanning from Joist to Joist for Non-Metallic Sheathed Cable |                                                                                             |              |           |                                |                      |          |
| 7307*                                                                     | 2-5/8" Deep, 18.0 Cu. In. (294.9 cm3), 1/2" Setback, Nails                                  | 4            | 25        | —                              | 10①                  |          |
| 7907*                                                                     | 2-5/8" Deep, 18.0 Cu. In. (294.9 cm3), 1/2" Setback, Adj. 14-3/4" - 22-1/2", w/Ground Plate | 4            | 25        | —                              | 10①                  |          |
| 4" – For Spanning from Joist to Joist for Non-Metallic Sheathed Cable     |                                                                                             |              |           |                                |                      |          |
| 7826RAC                                                                   | 2-3/8" Deep, 20.0 Cu. In. (327.7 cm3), Adj. 14-3/4" - 22-1/2"                               | 6            | 25        | —                              | 10①                  |          |
| 7825                                                                      | 2-3/8" Deep, 20.0 Cu. In. (327.7 cm3), Adj. 14-3/4" - 22-1/2", w/Ground Plate               | 6            | 25        | —                              | 10①                  |          |

① 10 Lbs. max. load recommended UL Rated for 50 Lbs. on 16" centers.

## Saddle-Box® 4" Round Ceiling Fan &amp; Fixture Box – For Non-Metallic Sheathed Cable or Conduit

| Cat. # | Description & Setback                 | Cable Clamps | Std. Pkg. | Recommended Max. Support Loads |                      | Bar Code |
|--------|---------------------------------------|--------------|-----------|--------------------------------|----------------------|----------|
|        |                                       |              |           | Ceiling Fan (Dynamic)          | Fixture Lbs (Static) |          |
| 7120VB | 12.5 Cu. In. (204.8 cm <sup>3</sup> ) | 4            | 24        | 70                             | 210                  |          |
| 7120*  | 12.5 Cu. In. (204.8 cm <sup>3</sup> ) | 4            | 20*       | 70                             | 210                  |          |
| 7120-1 | 12.5 Cu. In. (204.8 cm <sup>3</sup> ) | 4            | 24        | 70                             | 210                  |          |

Notes: \* Packaged in a stackable, individual chipboard display cartons.

See end of section (Pg A105) for detailed drawings »



## Non-Metallic Shallow Cable Boxes

### Applications

- RACO® Non-Metallic cable boxes are used in branch circuit wiring to splice wires
- Provide excellent protection for wiring system or devices
- Accommodate wiring devices such as switches and receptacles
- Great for use in trailer applications

**7322-OW**

### Product Features

- RACO® Non-Metallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-clamping wire entry clamps
- All outlet boxes have a front-mounted grounding screw with combination straight/Robertson head
- Positioning tabs provide fast, accurate mounting on studs or joists
- Grounding screw provided

#### 1-Gang Shallow Trailer Box – For Non-Metallic Sheathed Cable

| Cat. #         | Description                                                        | Std. Pkg. | Bar Code |
|----------------|--------------------------------------------------------------------|-----------|----------|
| <b>7322-OW</b> | 1-3/4" Deep, 16.0 Cu. In. (262.1 cm <sup>3</sup> ), Old work wings | 50        |          |

### Standard Material

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

### Compliance

-  **UL US LISTED**
- Federal Manufacturer's number 28488



## Non-Metallic Cable Boxes

### Applications

- Vapor barrier boxes prevent unwanted penetration of exterior air and help maintain the existing interior environment from elements outside of the structure
- RACO® Non-Metallic vapor barrier cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- RACO® Non-Metallic 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
- 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
- For 1/2", 5/8", or 3/4" drywall
- Unique saddle design straddles standard joists - 7120VB
- 7120VB prevents unwanted penetration of exterior air and helps maintain the existing interior environment from the elements outside the structure
- Fits any 1-1/2" wide joist

### Standard Material

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

### Compliance

-  US LISTED



2011FBAR



2022FBAR



2023FBAR



82024FBAR

NEW



2028FBAR

7120VB  
SADDLE-BOX®

87121VB

NEW

### Vapor Barrier Cable Boxes

| Cat. #    | Description & Setback                                                    | Cable Clamps | Std. Pkg. | Bar Code |
|-----------|--------------------------------------------------------------------------|--------------|-----------|----------|
| 2011FBAR  | 1 Gang, 2-3/4" Deep, 18.0 Cu. In. (294.9 cm <sup>3</sup> ), 1/2" Setback | 4            | 50        |          |
| 2022FBAR  | 2 Gang, 2-3/4" Deep, 35.2 Cu. In. (576.8 cm <sup>3</sup> ), 1/2" Setback | 8            | 50        |          |
| 2023FBAR  | 3 Gang, 2-3/4" Deep, 52.6 Cu. In. (862 cm <sup>3</sup> ), 1/2" Setback   | 12           | 25        |          |
| 82024FBAR | 4 Gang, 2-3/4" Deep, 68.0 Cu. In., 1/2" Setback                          | 12           | 12        |          |

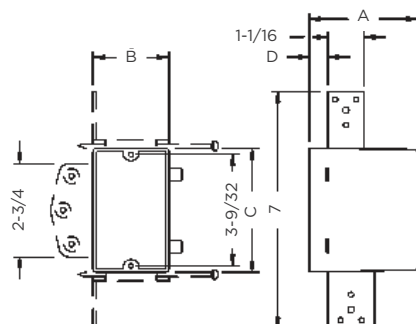
### 4" Round Vapor Barrier Cable Box - For Ceiling

| Cat. #   | Description & Setback                                            | Cable Clamps | Std. Pkg. | Recommended Max. Support Loads |                      | Bar Code |
|----------|------------------------------------------------------------------|--------------|-----------|--------------------------------|----------------------|----------|
|          |                                                                  |              |           | Ceiling Fan (Dynamic)          | Fixture Lbs (Static) |          |
| 2028FBAR | 2-5/8" Deep, 28.1 Cu. In. (460.5 cm <sup>3</sup> ), 1/2" Setback | 4            | 40        | —                              | 50                   |          |
| 7120VB*  | 2-5/8" Deep, 12.5 Cu. In. (204.8 cm <sup>3</sup> ), 1/2" Setback | 4            | 24        | 70                             | 210                  |          |
| 87121VB  | 4" Round Ceiling Fan and Fixture Vapor Barrier Box               | 4            | 6         | 70                             | 90                   |          |

Notes: \*Not UL Listed.

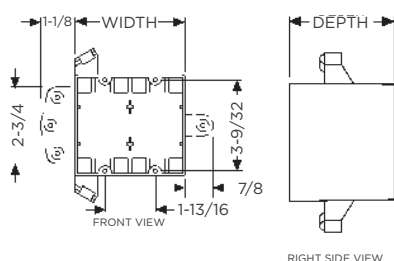
# Detailed Drawings

## Non-Metallic Cable Boxes



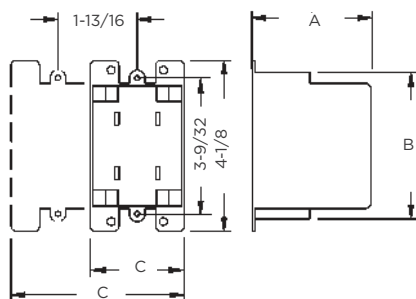
### Non-Metallic Outlet Boxes

| Catalog Number | A        | B      | C        | D    |
|----------------|----------|--------|----------|------|
| 7302RAC        | 2-3/4"   | 2-1/4" | 3-19/32" | 1/2" |
| 7820RAC        | 3-3/16"  | 2-1/4" | 3-19/32" | 1/2" |
| 7873RAC        | 3-1/2"   | 2-1/4" | 3-19/32" | 1/2" |
| 7308RAC        | 1-1/4"   | 2-3/8" | 3-1/2"   | 3/8" |
| 7318RAC        | 1-1/4"   | 2-3/8" | 3-1/2"   | -    |
| 7717RAC        | 2-27/32" | 2-1/4" | 3-19/32" | 1/2" |
| 7848RAC        | 2-27/32" | 2-1/4" | 3-19/32" | 5/8" |
| 7874RAC        | 3-3/16"  | 2-1/4" | 3-19/32" | 5/8" |



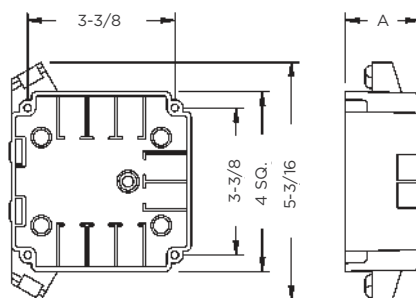
### Multi-Gang Outlet Boxes

| Catalog Number | Gang | Width   | Depth    |
|----------------|------|---------|----------|
| 7835RAC        | 2    | 4"      | 2-29/32" |
| 7645RAC        | 4    | 7-5/8"  | 2-5/8"   |
| 7846RAC        | 3    | 5-7/8"  | 2-3/4"   |
| 7848RAC        | 2    | 4"      | 3-31/32" |
| 7874RAC        | 3    | 8-7/16" | 3-31/32" |



### Old Work Non-Metallic Outlet Boxes

| Catalog Number | Gang | A        | B      | C      |
|----------------|------|----------|--------|--------|
| 7887RAC        | 1    | 2-29/32" | 3-1/8" | 2-1/4" |
| 7488RAC        | 2    | 2-3/4"   | 4"     | 3"     |

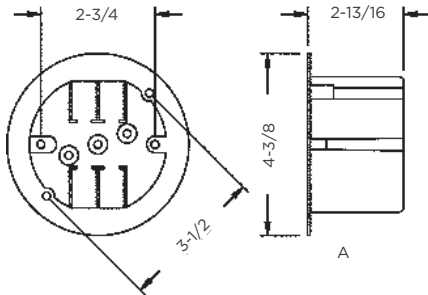


### 4" Square With Captive Nails for Metal or Wood Studs

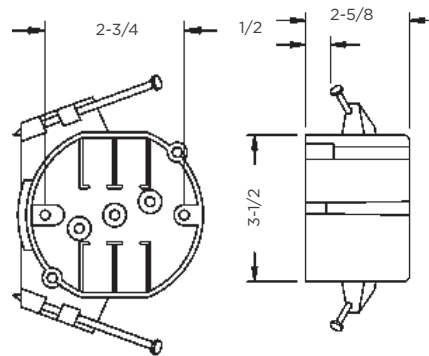
| Catalog Number | A (Depth) |
|----------------|-----------|
| 7220RAC        | 1-5/8"    |
| 7232RAC        | 2-5/8"    |

## Non-Metallic Cable Boxes

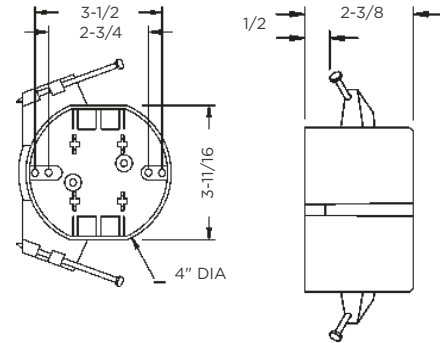
**Catalog No's 7122RAC, 7922RAC**



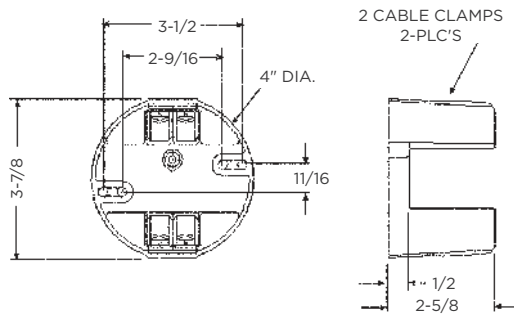
**Catalog No's 7119RAC, 7919RAC**



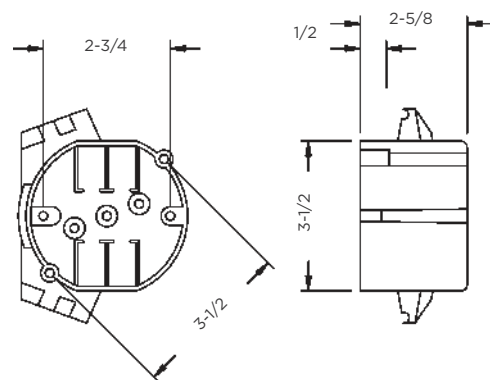
**Catalog No's 7823RAC, 7824RAC**



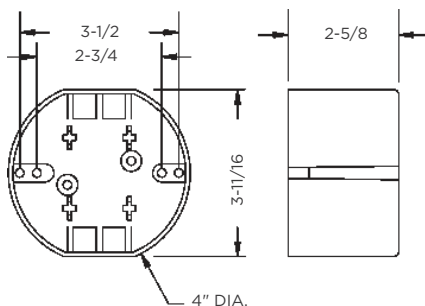
**Catalog No's 7120, 7120-1, 7120VB**



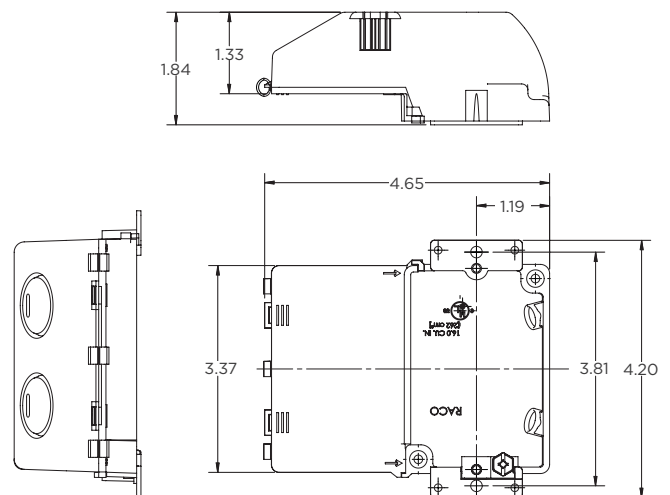
**Catalog No's 7307, 7907**



**Catalog No's 7825, 7826RAC**



**Catalog No's 7322, 7322-OW**



# 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 thermoplastic in two designer colors, 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 retrofitting 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 including factory installed ground wire, and multiple gang boxes with one ground wire per gang
- Multiple gang boxes provided with low voltage partitions
- Ample wiring space for any combination of power outlet or voice/data outlets

## Standard Materials

- Non-Metallic 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
- Non-Metallic floor box covers and carpet flanges are made of high strength thermoplastic (ABS)

## Standard Finishes

- Natural gray finish on non-metallic floor box
- Non-Metallic 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 28488

## 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:

- Locate box and install conduit in accordance with local codes
- Secure box to reinforcing bar (mesh)
- Make pre-pour height and leveling adjustments
- Grease inside of cement cover and install on box
- Grease outside of cement cover
- Apply bead of grease on exposed portion of adjusting collar
- Tape cement cover to box
- Pour concrete
- After the concrete has set, remove the concrete cover
- Pull wires and install wiring device
- Make final pour adjustments, and grout around the box if required
- Install cover plates and/or accessories

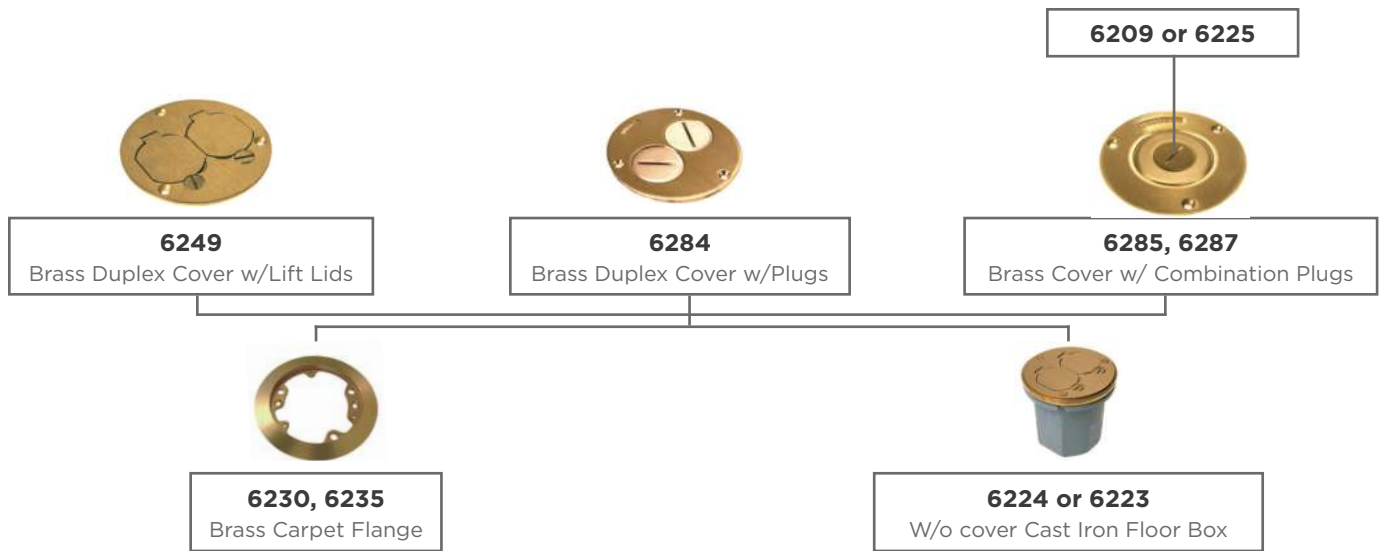
# General Information

## Standards, 2023 National Electrical Codes®

| Summary of the Most Often Requested Sections of the 2020 National Electrical Code®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | How RACO® Products Help Complete the Installation                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 point 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 more 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. | 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.<br>Receptacle outlets in floors can be counted as part of the required number of receptacles if they are within 18 inches of the wall. |
| 250.146 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.                                                                                                                                                                                                                                                                                                                                                                                               | All RACO floor boxes are designed and listed for having ground continuity without an equipment bonding jumper. RACO does provide on all of its cast floor boxes a factory-installed ground wire.                                                                                                                                                                                                                                                         |
| 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.                                                                                                                                                                                                                                                                                                                                                                                  | Only boxes that are UL Listed for the application may be fastened into the floor.                                                                                                                                                                                                                                                                                                                                                                        |
| 800.133 (A) (3) 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.                                                                                                                                                                                                                                                                                                                                                                                                    | 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.                                                                                                                                                                                                               |

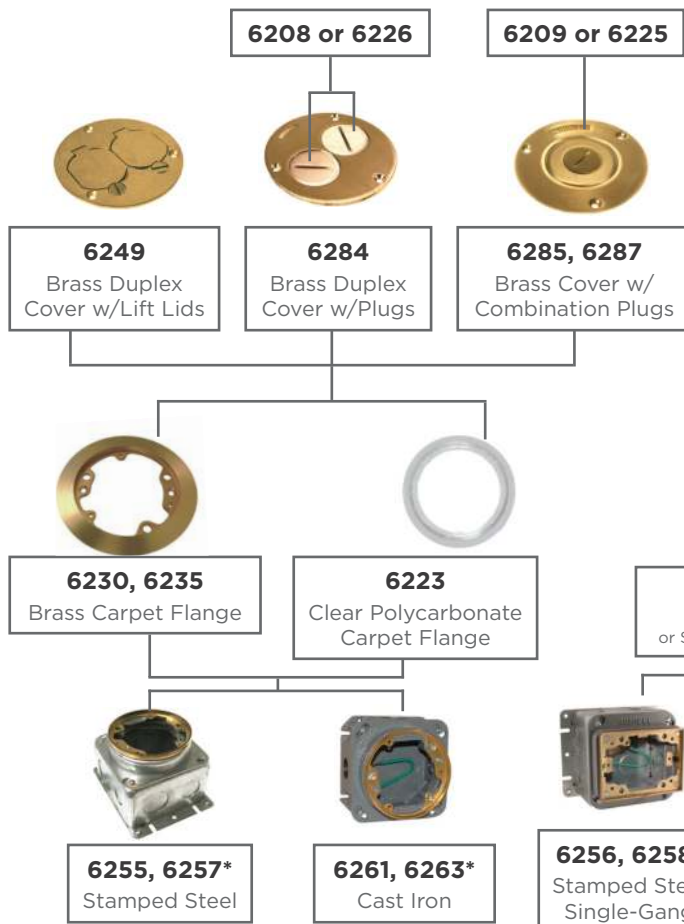
# Quick Selection Guide

## Nonadjustable Floor Box System

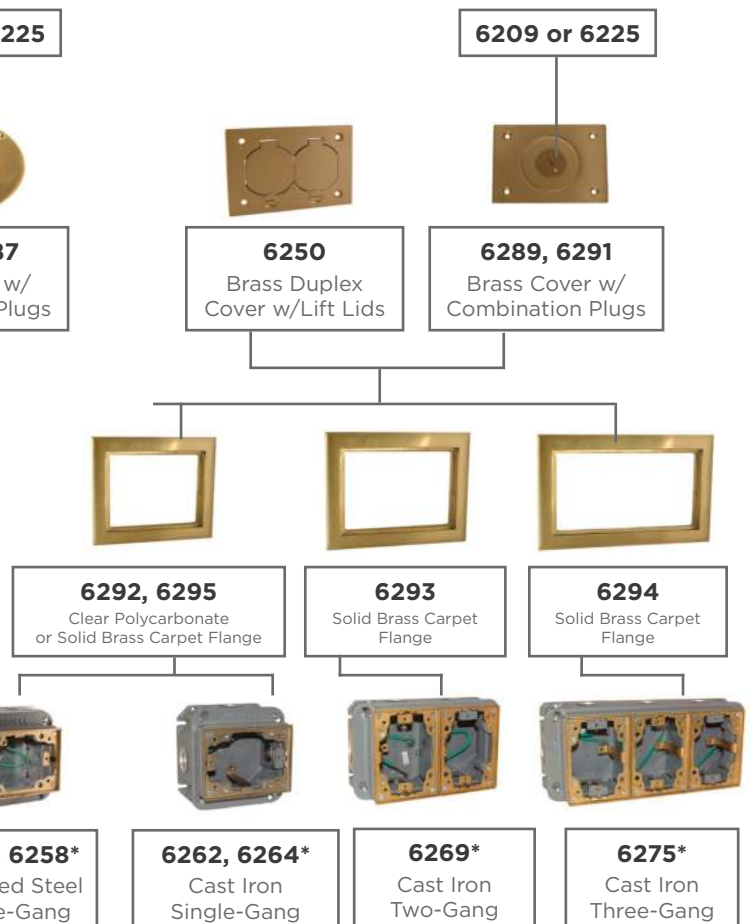


## Fully Adjustable Floor Box System

### Round Floor Box



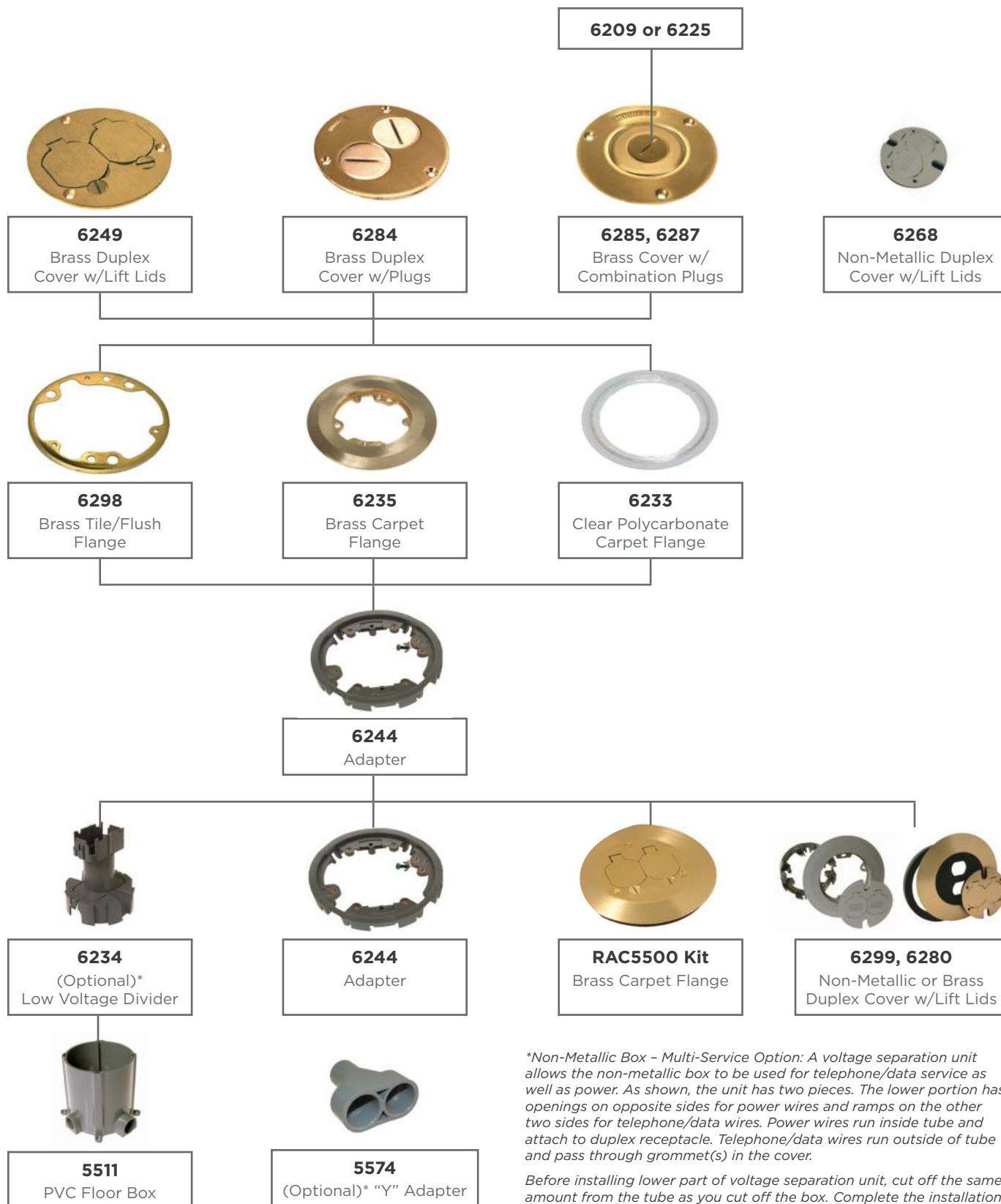
### Rectangular Floor Box



\* Included brass tile ring must be removed and discarded before installation of brass carpet flanges. Polycarbonate flanges are installed between box and included brass ring.

# Quick Selection Guide

## PVC Floor Box System



*\*Non-Metallic Box - Multi-Service Option: A voltage separation unit allows the non-metallic 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.*

## For Concrete Pour - Non-Metallic

### Applications

- Used in branch circuit wiring
- Accommodate wiring devices for various receptacles
- Permit access to conductors for maintenance

### General Features

- RACO® Non-Metallic 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® Non-Metallic 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



5511



6234



6244

### Round Floor Box Cover and Accessories – Non-Metallic

| Cat. # | Description                                                        | Std. Pkg. | Bar Code |
|--------|--------------------------------------------------------------------|-----------|----------|
| 5511   | 19.5 Cu. In. Capacity per Inch of Height, 2 - 1" and 3/4" Openings | 1         | —        |
| 6234   | Voltage Separation Unit, Optional                                  | 4         | —        |
| 6244   | Adapter Ring for all Non-Metallic and Brass Flanges                | 10        | —        |

### 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 - 19.6 cubic inches plus 2.40 cubic inches per inch of tube

### Compliance

-  US LISTED

# Floor Box Kits, Covers and Flanges

## Non-Metallic / Round



6299



6268

### Applications

- RACO® Non-Metallic floor box covers and flanges provide a quick, simple method of completing floor box installation on carpeted floor

### Product Features

- RACO® Non-Metallic carpet flanges and covers are available in gray or in ivory finish
- 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

-  UL US LISTED

### Floor Box Cover Assembly Kits – Non-Metallic

| Cat. # | Description                                                       | Carpet Flange O.S.Dia. | Std. Pkg. | Bar Code |
|--------|-------------------------------------------------------------------|------------------------|-----------|----------|
| 6299   | Adapter, Non-Metallic Gray Carpet Flange, Gray Duplex Cover - Kit | 6-1/2"                 | 10        |          |

### Replacement Covers and Carpet Flanges – Non-Metallic

| Cat. # | Description                                   | Carpet Flange O.S.Dia. | Std. Pkg. | Bar Code |
|--------|-----------------------------------------------|------------------------|-----------|----------|
| 6268   | Gray Non-Metallic Duplex Cover with Lift Lids | —                      | 10        | —        |

## Floor Box Covers and Flanges



**RAC5500KIT**



**6280**



**6249**



**6284**



**6285, 6287**



**6230**



**6298**

### 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
- 6230 is not designed to work with RACO 5511 non-metallic floor box
- Hubbell® RACO® carpet flanges, tile flanges and covers install quickly and easily with provided screws
- Order of installation:
  1. Install RACO floor box
  2. Install non-metallic adapter ring (if round 5511 non-metallic box is used)
  3. Install device to box or 6244 adapter
  4. Install carpet or tile flange
  5. Install cover to carpet or tile flange

### Compliance



### Round, Solid Brass Floor Box Cover Kit

| Cat. #            | Description                                       | Carpet Flange O.S. Diameter | Std. Pkg. | Bar Code |
|-------------------|---------------------------------------------------|-----------------------------|-----------|----------|
| <b>RAC5500KIT</b> | Round, Brass Cover Kit                            | 6-1/4"                      | 10        |          |
| <b>6280</b>       | Brass Carpet Flange, Adapter and Duplex Cover Kit | 6-1/2"                      | 10        |          |

### 3-7/8" Dia., Round Covers – Brass

| Cat. #      | Description                                      | Std. Pkg. | Bar Code |
|-------------|--------------------------------------------------|-----------|----------|
| <b>6249</b> | Brass Duplex Cover with Lift Lids                | 40        |          |
| <b>6284</b> | Brass Duplex Cover with 2, 1-1/2" Threaded Plugs | 40        |          |
| <b>6285</b> | Brass Cover with 2-1/8" x 1" Combination Plugs   | 40        |          |
| <b>6287</b> | Brass Cover with 2-1/8" x 3/4" Combination Plugs | 40        |          |

### Carpet Flanges

| Cat. #      | Description                    | Carpet Flange O.S. Diameter | Std. Pkg. | Bar Code |
|-------------|--------------------------------|-----------------------------|-----------|----------|
| <b>6230</b> | Brass Carpet Flange, Mop-tight | 5-1/4"                      | 10        |          |

### Tile Flange

| Cat. #      | Description                         | Tile Flange O.S. Diameter | Std. Pkg. | Bar Code |
|-------------|-------------------------------------|---------------------------|-----------|----------|
| <b>6298</b> | Brass Tile/Flush Application Flange | 4-3/16"                   | 15        |          |

FLOOR BOXES

# For Wood Sub Floors

## Floor Boxes for Wood Floors

### Applications

- RACO® wood floor boxes provide flush service for power or voice/data
- Non-adjustable floor boxes may be used in wood or concrete floors and are suitable for carpet, tile or wood floor applications

### Product Features

- Boxes are non-adjustable
- Cast iron, water-tight
- Gray powder coat paint inside and out for additional corrosion resistance
- 1/2" and 3/4" threaded conduit openings are standard; all bottom openings are accessible
- If floor covering is used, discard included brass flush ring and replace with RACO® 6230 or 6235 brass carpet flange
- RACO® 6224 includes box, 6249 brass duplex cover with lift lids, and brass tile flange. Receptacle is not included
- RACO® 6223 - for use with any RACO 3-7/8" diameter brass cover (6249, 6284, 6285, 6287). Cover must be ordered separately, brass tile flange included



6224



6223

### Duplex Receptacle Assembly

| Cat. # | Threaded / Hubs |        | Cubic Inches                     | Std. Pkg. | Bar Code |
|--------|-----------------|--------|----------------------------------|-----------|----------|
|        | Side            | Bottom |                                  |           |          |
| 6224   | —               | 2-1/2" | 18.5<br>(303.1 CM <sup>3</sup> ) | 4         |          |

### Floor Box

| Cat. # | Threaded / Hubs |        | Cubic Inches                     | Std. Pkg. | Bar Code |
|--------|-----------------|--------|----------------------------------|-----------|----------|
|        | Side            | Bottom |                                  |           |          |
| 6223   | —               | 2-1/2" | 18.5<br>(303.1 CM <sup>3</sup> ) | 4         |          |

### Compliance



## Floor Box Assemblies with USB Ports



NEW!



6239ACBP



6239ACNI



6239ACBK

### Applications

- Place power and charging on wood floor for lighting, entertainment and mobile devices

### Product Features: 6239CBP, 6239CNI and 6239CBK

- High power USB ports: one Type A and one Type C
- 15A, 125V tamper resistant receptacle
- Removable neoprene gaskets allow for independent use of either side of the receptacle with cover closed
- Recessed receptacle minimizes plug protrusion

### Round, Recessed Floor Boxes – Brass, Nickel or Black Finish

| Cat. #   | Description          | Cubic Inches                     | Std. Pkg. | Bar Code     |
|----------|----------------------|----------------------------------|-----------|--------------|
| 6239ACBP | Round, Brass Finish  | 28.0<br>(458.9 cm <sup>3</sup> ) | 1         | 050169993545 |
| 6239ACNI | Round, Nickel Finish | 28.0<br>(458.9 cm <sup>3</sup> ) | 1         | 050169993231 |
| 6239ACBK | Round, Black Finish  | 28.0<br>(458.9 cm <sup>3</sup> ) | 1         | 050169993224 |

### Compliance

- UL US LISTED

# For Wood Sub Floors

## Floor Box Assemblies



6500BR-5



6500NI-5



6239BP

6239NI,  
6239SS

6239BK



6RF151SR

### 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 accept 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 ANS 6500NI

- Contains low profile, 15A 125V tamper resistant receptacle

### Product Features: 6239BP, 6239NI, 6239SS and 6239BK

- Can be used for power/data
- 15A, 125V tamper resistant receptacle
- Removable neoprene gaskets allow for independent use of either side of the receptacle with cover closed
- Recessed receptacle minimizes plug protrusion

### Product Features: 6RF151SR

- Has solid brass cover and flange
- 15A, 125V tamper resistant receptacle
- Self-leveling, easy screw fastening

### Compliance



### Rectangular, Metallic Floor Box Kit - Brass Finish or Nickel Finish Cover Plate

| Cat. #   | Knockouts / Hubs |              | Cubic Inches                     | Std. Pkg. | Bar Code |
|----------|------------------|--------------|----------------------------------|-----------|----------|
|          | Side Conduit     | Side Conduit |                                  |           |          |
| 6500BR-5 | 2 - 1/2"         | 4 - 1/2"     | 18.5<br>(303.1 cm <sup>3</sup> ) | 5         |          |
| 6500NI-5 | 2 - 1/2"         | 4 - 1/2"     | 18.5<br>(303.1 cm <sup>3</sup> ) | 5         |          |

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

| Cat. #   | Description                   | Cubic Inches                     | Std. Pkg. | Bar Code |
|----------|-------------------------------|----------------------------------|-----------|----------|
| 6239BP   | Round, Brass Finish           | 28.0<br>(458.9 cm <sup>3</sup> ) | 10        |          |
| 6239NI   | Round, Nickel Finish          | 28.0<br>(458.9 cm <sup>3</sup> ) | 10        |          |
| 6239SS   | Round, Stainless Steel Finish | 28.0<br>(458.9 cm <sup>3</sup> ) | 10        |          |
| 6239BK   | Round, Black Finish           | 28.0<br>(458.9 cm <sup>3</sup> ) | 10        |          |
| 6RF151SR | Round, Drop-in, Brass         | 16.0<br>(262.1 cm <sup>3</sup> ) | 10        |          |

### Replacement Plug for Floor Box Assemblies

| Cat. #   | Description                    | Std. Pkg. | Bar Code |
|----------|--------------------------------|-----------|----------|
| RP6239BP | Replacement Plug for 5236/6236 | 50        |          |
| RP6500BR | Replacement Plug for 6500BR-5  | 50        |          |
| RP6500NI | Replacement Plug for 6500NI-5  | 50        |          |

## Floor Box Covers and Flanges



6250



6288



6289



6292, 6295



6294

### 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

### Compliance

- US LISTED

### Rectangular Floor Box Covers - Brass

| Cat. # | Description                                      | Std. Pkg. | Bar Code |
|--------|--------------------------------------------------|-----------|----------|
| 6250   | Brass Duplex Cover with Lift Lids                | 40        |          |
| 6288   | Brass Duplex Cover with 2, 1-1/2" Threaded Plugs | 40        |          |
| 6289   | Brass Cover with 2-1/8" x 1" Combination Plugs   | 40        |          |

### Rectangular Carpet Flanges - Polycarbonate and Brass

| Cat. # | Description                 | Std. Pkg. | Bar Code |
|--------|-----------------------------|-----------|----------|
| 6292   | 1-Gang, Brass               | 20        |          |
| 6295   | 1-Gang, Clear Polycarbonate | 10        |          |
| 6294   | 3-Gang, Brass               | 10        |          |

## Accessories and Replacement Covers



6209



6226



RP6236BP

## Applications

- Brass abandon 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

## Fully Adjustable Floor Box - Stamped Steel

| Cat. # | Description                | Thread Type | Fits RACO Brass Cover | Std. Pkg. | Bar Code |
|--------|----------------------------|-------------|-----------------------|-----------|----------|
| 6209   | 3/4" Crowned, Slotted Plug | —           | 6287, 6291            | 30        |          |
| 6226   | 1-1/2" Flush Slotted Plug  | Fine        | 6284, 6288            | 25        |          |

## Replacement Plugs

| Cat. #   | Description                    | Std. Pkg. | Bar Code |
|----------|--------------------------------|-----------|----------|
| RP6236BP | Replacement Plug for 5236/6236 | 50        | —        |

## Service Pedestals and Accessories



6300, 6301



6310



6313

### Service Pedestals Applications

- RACO® above-the-floor pedestals satisfy most service requirements
- These are 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

### Low-profile Service Pedestal Housing – Single Service for Power or Voice/Data

| Cat. # | Description                                  | Std. Pkg. | Bar Code |
|--------|----------------------------------------------|-----------|----------|
| 6300   | Frame Housing, 3/4" Chase Nipple, w/o Plates | 4         |          |
| 6301   | Frame Housing, 1" Chase Nipple, w/o Plates   | 4         |          |

### Face Plates

| Cat. # | Description              | Std. Pkg. | Bar Code |
|--------|--------------------------|-----------|----------|
| 6310   | Rectangular Cover Flange | 25        |          |
| 6313   | Duplex Receptacle Plate  | 25        |          |

### Voice/Data Combinations

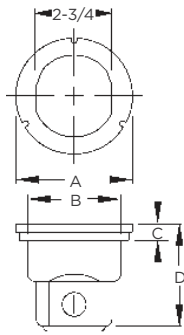
| Max. # of Receptacles | Description                         | Plate(S) Qty. | Required RACO Cat.# |
|-----------------------|-------------------------------------|---------------|---------------------|
| 1                     | Duplex Jack Outlet                  | 1             | 6313, 6310          |
| 1                     | Decorator Style of Telephone Outlet | 1             | 6314, 6310          |
| 2                     | Decorator Style of Telephone Outlet | 2             | 6314                |
| 0                     | Bushed Opening                      | 1             | 6311, 6310          |

### Power Combinations

| Max. # of Receptacles | Description              | Plate(S) Qty. | Required RACO Cat.# |
|-----------------------|--------------------------|---------------|---------------------|
| 2                     | Duplex Receptacles       | 2             | 6313                |
| 1                     | GFCI Receptacles         | 1             | 6314, 6310          |
| 1                     | Surge Duplex Receptacles | 1             | 6314, 6310          |
| 2                     | Decorator Receptacles    | 2             | 6314                |
| 2                     | Single Receptacles       | 2             | 6312                |

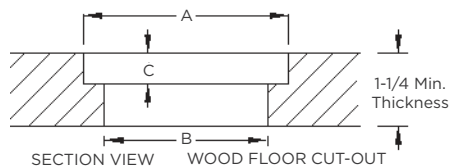
# Detailed Drawings

## Floor Boxes



### Cast Iron Floor Boxes - Non Adjustable

| Catalog Number | A     | B     | C     | D     |
|----------------|-------|-------|-------|-------|
| 6223           | 4.19" | 3.39" | 0.59" | 3.75" |
| 6224           | 4.19" | 3.39" | 0.59" | 3.75" |

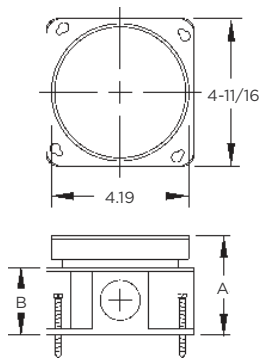


### Cast Iron Floor Boxes - Non Adjustable- Floor Cut-out Dimensions

| Catalog Number | A       | B       | C      |
|----------------|---------|---------|--------|
| 6224           | 4.1875" | 3.4375" | 0.625" |

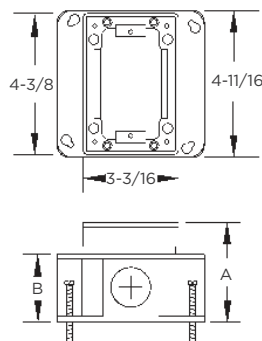
\* If floor covering is used, vary counter bore depth accordingly.

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



### Round Floor Boxes - Adjustable

| Catalog Number | A (Min.) | A (Max.) | B     |
|----------------|----------|----------|-------|
| 6263           | 2.86"    | 3.19"    | 1.69" |

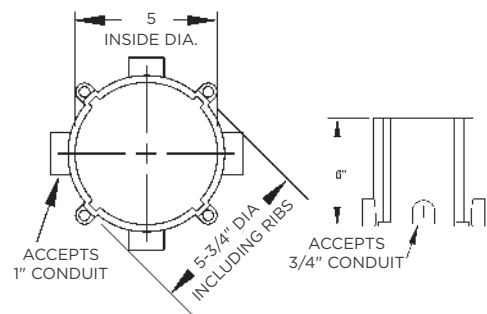


### 1-Gang Floor Boxes - Adjustable

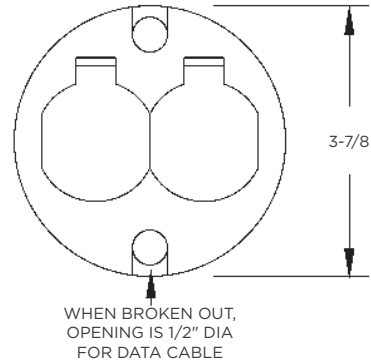
| Catalog Number | A (Min.) | A (Max.) | B     |
|----------------|----------|----------|-------|
| 6256           | 3.90"    | 4.28"    | 2.83" |

Floor Boxes

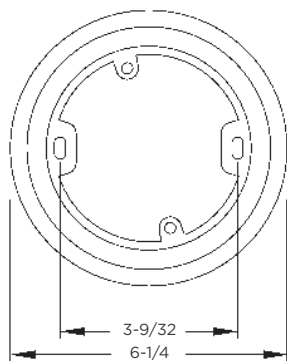
Non-Metallic Floor Box



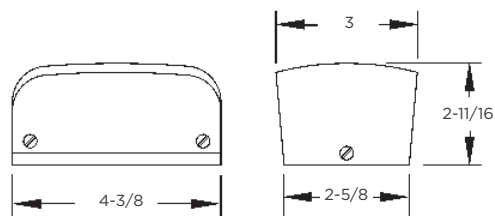
Replacement Covers



Replacement Carpet Flanges



Service Pedestal



[illegible]

[illegible]



Since 1896, RACO has consistently delivered high-quality steel electrical boxes. TayMac and BELL provide weatherproven™ outdoor electrical solutions.

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