

# RACO® Steel Boxes and Covers



**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: Patented 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

\*U.S. Patent has expired.

**TKO® Provides Reliable Grounding Path**

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

**Most Raco® Boxes Have At Least One Tapped #10-32 Grounding Hole**

- The products that do not have a grounding 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 nonmetallic cover plates, also 4x4 and octagon boxes may be used in bearing and non-bearing wood stud and steel stud walls 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 wall-board facing shall be cut so that the clearance between the box and the wallboard does not exceed 1/8 inch.

\*Reference: UL Fire Resistance Directory (Orange Book)

**Standard Material: Steel Covers, Outlet And 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 are listed for their Electrical Applications (electrical codes), UL Green Book
- Boxes are listed for mechanical properties, including the Two-Hour Fire Rating, (building codes) UL Orange Book

- CSA Certified – C22.2 #18, CSA File LR-1082
- U.S. Federal Specification and Standards W-J-800
- ANSI/NEMA OS1
- Federal Manufacturer's number 28488

**Reference Data**

- TKO® knockout U.S. Patent 4,640,433; Canada Patent 1,260,597
- Ceiling fan outlet box U.S. Patent 4,892,211; Canada Patent 1,324,360; Mexico Patent 166,125
- Far-side support (#978) U.S. Patent 4,898,357
- Box-Loc® U.S. Patent 5,408,045 MEXICO Patent 186848
- Adjust-A-Brace® U.S. Patent 5,330,137 and 5,927,667 U.S.
- Steel Stud box Support (#978) 4,898,357 U.S.
- W.P. self tap holes 4,898,453 U.S. and 4,906,206 U.S.



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.

**RACO® UL Guide Cards**

You can download and print out any or all UL Guide Cards issued to RACO. Just go to the RACO website at [www.hubbell-raco.com](http://www.hubbell-raco.com) and click on the UL symbol. Every RACO UL guide card is listed by product category. Click on the live link (right hand column in blue type) and the UL Guide Card will appear. Save to your computer or print it out.

**UL Guide Information Pages**

UL publishes the most frequently asked questions concerning product ratings, configurations, installations, uses allowed or not allowed, grounding and bonding, and much more. Each UL category has a unique Guide Information Page. Live links to each UL Guide Information Page appears just below the RACO UL guide card for each product category.





## GENERAL INFORMATION – STANDARDS, 2008 NATIONAL ELECTRICAL CODES®

**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. 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. cm<sup>3</sup>.) or less, other than those described in table, and nonmetallic boxes shall be durably and legibly marked by the manufacturer with their cubic inch capacity. Boxes described in table that have a larger cubic inch capacity than is designated in the table shall be permitted to have their cubic inch capacity marked as required by this section.

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

**(1) Conductor Fill.** Each conductor that originates 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.



## A4

## GENERAL INFORMATION – STANDARDS, 2008 NATIONAL ELECTRICAL CODES®

MOST OFTEN REQUESTED ARTICLES OF THE 2008 NATIONAL ELECTRICAL CODE®	HOW RACO® PRODUCTS HELP COMPLETE THE INSTALLATION
<p><b>250-97 (d) Method of Bonding Service Equipment – Bonding Jumpers.</b> Bonding jumpers are <u>not</u> required for concentric and eccentric knockouts <u>if</u> they are listed for the purpose.</p>	<p>This Article is used to ensure that there is ground continuity when a concentric or eccentric knockout is encountered. A bonding jumper is not required when using any of the RACO® patented TKO® knockout boxes, Catalog Numbers 189, 232, etc.</p>
<p><b>314-27 (A) Boxes at Lighting Fixture Outlets.</b> Boxes to support light fixtures must be listed for fixture support. Exception: Device boxes are allowed to support wall mounted fixtures not over 6 lbs.</p>	<p>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. See Article 410-16. All RACO® 4" and 4-11/16" square boxes are listed for fixture support.</p>
<p><b>314.27 (C) 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.</p>	<p>Only boxes that are UL Listed for the application may be fastened into the floor. RACO® floor boxes are in Section E of this catalog.</p>
<p><b>314.27 (D) Boxes at Fan Outlets.</b> Boxes that support ceiling fans must be listed for that purpose.</p>	<p>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.</p>
<p><b>314.16 (A) 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.</p>	<p>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.</p>
<p><b>314.27 (B) Maximum Luminaire Weight.</b> Fixtures greater than 50 pounds cannot be supported by a fixture box unless the box has been listed for a heavier load.</p>	<p>All outlet boxes that are intended to be used with fixtures are tested in accordance with UL Standard 514-A.</p>
<p><b>250.146 (A) Receptacles in Raised Covers.</b> A bonding jumper is no longer required for raised covers. However, (1) a cover with flat corners, (2) two device attachment screws, and (3) A lock washer or equivalent is required.</p>	<p>This new method provides better bonding for the cover than the bonding wire did. RACO flat corner covers and mud rings comply.</p>



## GENERAL INFORMATION – STANDARDS, 2008 NATIONAL ELECTRICAL CODES®

MOST OFTEN REQUESTED ARTICLES OF THE 2008 NATIONAL ELECTRICAL CODE®	HOW RACO® PRODUCTS HELP COMPLETE THE INSTALLATION
<p><b>314.27 (D) Support of Ceiling Fans.</b>  <b>(a) Ceiling Fans 70 lbs. or Less.</b> Listed ceiling fans that do not exceed 35 pounds in weight, with or without accessories, shall be permitted to be supported by outlet boxes identified for such use. (1) Boxes that can support more than 35 pounds must be marked with the maximum fan weight they are listed for.  <b>(b) Ceiling Fans Exceeding 35 lbs.</b> (1) Boxes that can support more than 35 pounds must be marked with the maximum fan weight they are listed for.</p>	<p>Unless otherwise marked, a UL Listed outlet box listed for ceiling fan support can support a maximum of 35 pounds. All of RACO® steel fan outlet boxes use hardened #10-32 screws for support of the fan. Captive star lock-washers prevent the screws from loosening, providing a safe and secure installation.</p>
<p><b>800.133 Exception (c) 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 of electric light or power circuits or Class 1 circuits.</p>	<p>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.</p>
<p><b>406.11 Tamper-resistant Receptacles in Dwelling Units.</b> In all areas specified in 210.52, all 125 volt, 15 and 20 amp receptacles shall be listed tamper-resistant receptacles.</p>	<p>This is to prevent shocks of small children that like to insert keys, paper clips, etc. into the receptacle slots.</p>
<p><b>NEC 314.24</b> Minimum depth of boxes for outlets, devices, and utilization equipment.</p>	<p>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 1/4 inch.</p>



**A6****BOX SELECTION****STEEL BOX SELECTION CHART****RACO STEEL BOXES  
& COVERS**

CU. IN.	42.0	30.3	29.5	21.5	21.0	18.0	16.5
CONDUIT STEEL BOXES							
	4-11/16" Sq. 2-1/8" Deep INSIDE	4" Sq. 2-1/8" Deep INSIDE	4-11/16" Sq. 1-1/2" Deep INSIDE	4" Oct. 2-1/8" Deep INSIDE	4" Sq. 1-1/2" Deep INSIDE	Switch 3-1/2" Deep OUTSIDE	Handy 2-1/8" Deep INSIDE
CU. IN.	15.5	14.0	13.0	12.5	6.0		
CONDUIT STEEL BOXES							
	4" Oct. 1-1/2" Deep INSIDE	Switch 2-3/4" Deep OUTSIDE	Handy 1-7/8" Deep OUTSIDE	Switch 2-1/2" Deep OUTSIDE	4" Rnd. Pan 1/2" Deep INSIDE		
CU. IN.	30.3	21.5	21.0	18.0	15.8		
CABLE STEEL BOXES							
	4" Sq. 2-1/8" Deep INSIDE	4" Oct. 2-1/8" Deep INSIDE	4" Sq. 1-1/2" Deep INSIDE	Switch 3-1/2" Deep OUTSIDE	Switch 2-9/64" Deep OUTSIDE		
	15.5	14.0	12.5	4.0			
							
	4" Oct. 1-1/2" Deep INSIDE	Switch 2-3/4" Deep OUTSIDE	Switch 2-1/2" Deep OUTSIDE	3-1/2" Pan 1/2" Deep INSIDE			



## 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 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 regardless of how many there may be. 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 conductors. Metal conduit and fittings will be used as the wire way. You must provide space for four conductors and one switch, totaling 6. Read across the line "Deductions" in the **Box Fill Table** to column 6, then read down to the minimum cubic inches required for #14 conductor. This example requires a minimum of 12.0 cubic inches.

## Example #2: — Cable Boxes:

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
<b>Total</b>	<b>8</b>

Using the **Box Fill Table** below, read across the line "deductions" to column 8, then down to the minimum cubic inches required for #12 conductor. This example requires a minimum of 18.0 cubic inches.

BOX FILL TABLE

DEDUCTIONS		6	7	8	9	10	11	12	13	14
Volume Required per Conductor Size per Deductions	#18 (1.50)	9.00	10.50	12.00	13.50	15.00	16.50	18.00	19.50	21.00
	#16 (1.75)	10.50	12.25	14.00	15.75	17.50	19.25	21.00	22.75	24.50
	#14 (2.00)	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00
	#12 (2.25)	13.50	15.75	18.00	20.25	22.50	24.75	27.00	29.25	31.50
	#10 (2.50)	15.00	17.50	20.00	22.50	25.00	27.50	30.00	32.50	35.00
	#8 (3.00)	18.00	21.00	24.00	27.00	30.00	33.00	36.00	39.00	42.00
	#6 (5.00)	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00

CLAMP TECHNICAL DATA AND STUD TYPE

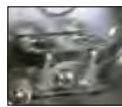
CLAMP TYPE	RACEWAY TYPE					
	ARMORED CABLE (BX)		METAL CLAD CABLE INTERLOCKING (MCI)		NONMETALLIC SHEATHED CABLE	FLEXIBLE METAL CONDUIT
	STEEL	ALUMINUM	STEEL	ALUMINUM		
"L" TYPE					#14-2 to #10-3 w/ground	
"X" TYPE	#14-2 (.444 in outer diam.) to largest size to fit in clamp	#14-2 (.444 in outer diam.) 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	
"BN" TYPE					#14-2 to #10-3 w/ground	
"Q" TYPE					#14-2 w/ground or #12-2 w/ground	



"L" TYPE



"X" TYPE



"#9 or AOL" TYPE



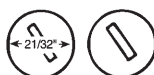
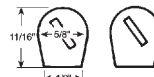
"BN" TYPE



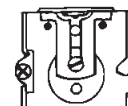
"Q" TYPE

KNOCKOUTS AND PRIOUTS

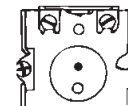
7/8" 1/2" CONDUIT KO	1-3/8" 1" CONDUIT KO
1-3/32" 3/4" CONDUIT KO	7/8" 1-3/32" TKO CONDUIT KO

CABLE PRIOUTS  
Always in pairs.FLAT-BOTTOMED  
CABLE PRIOUTS  
Eliminate chance of cable being cut.

PLASTER EARS



ONE-SCREW EAR



TWO-SCREW EAR

Adjustable plaster ears are included on many switch boxes and one octagon box. They are set forward 1/32".





## A8

## BOX SELECTION

## BRACKET TECHNICAL DATA

BRACKET TYPE	"A"	"B"	"D"	"FA"	"FH"	"FM"	"J"	"LB"	"MS"	"TS"	"W"	"H" or "M"
LENGTH	6-7/16"	1-61/64"	6-1/4"	5-1/2"	7-3/8"	6-7/8"	2-3/8"	1-31/32"	4-1/2"	7"	6-25/32"	4-15/16"
WIDTH	5/8"	2"	21/32"	2-1/4"	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"	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.

**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.

**"UBS" Support**

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

**"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.

**"TS" Bracket**

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

**"D" Bracket**

Mounts on flat side of stud.

**"J" Bracket**

Spurs, slotted holes for toenailing. Gauging notches at 3/8" and 1/2".

**"W" Bracket**

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

**"FA" Bracket**

Allows box to be flush mounted to stud or joist.

**"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.

**"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.

**"M" Bracket**

Brackets on both/opposite sides of box





### Application

- The RACO® 7120, and 7120-1 are premium boxes for rugged new work, old work ceiling fan and fixture installations

### Product Features

- The 7120, and 7120-1 are made of heavy-duty engineered polycarbonate plastic 7120VB for vapor barrier applications
- Rated for 70 pound ceiling fan and 210 pound fixture support
- Self-gripping wire entry clamps
- Grips the joist for hands free positioning and installation
- Designed to accommodate 1/2" thick drywall
- Mounting hardware and instructions included

### Reference Data

- Cable clamp U.S. Patent 4,874,905 & 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599
- Cat. #7120 U.S. Patent 5,234,119; Mexico Patent 179,825

### Compliances

- UL – Standard 514-C, File E104681 and R9320
- RACO® 7120, 7120-1 and 7120VB are UL listed for nonmetallic wiring systems
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hr. Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488



7120VB

7120-1  
SADDLE BOX®7120  
SADDLE BOX®

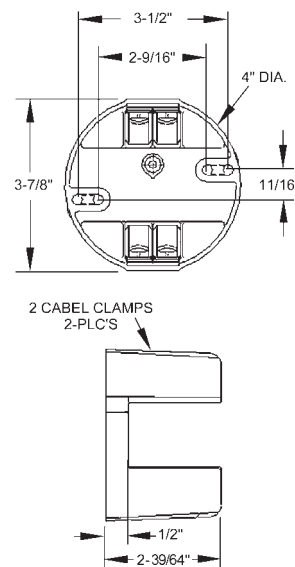
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### 4" ROUND CEILING FAN AND FIXTURE BOX – SADDLE BOX® FOR NONMETALLIC SHEATHED CABLE OR CONDUIT – 12.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7120VB	Ceiling box	4	12.5	24*		70	210
7120	SADDLE BOX®	4	12.5	20*		70	210
7120-1	SADDLE BOX®	4	12.5	24		70	210

\*Packaged in a stackable, individual chipboard box suitable for shelf display

### SADDLE BOX®



bfifkd-c^k=^ka=cfuqrob=prmmloq=molar`qp

NLO"I=JNLO" ^ka=OJNLU" abbm

o^`l-pqbbi=-l ubp-  
C=-l sbop



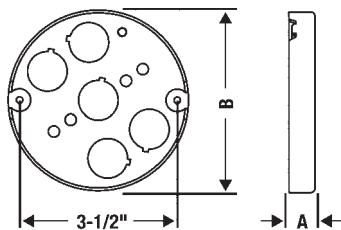
Application

- RACO® Ceiling Support Boxes are specifically designed for ceiling fan and ceiling or wall light fixture support

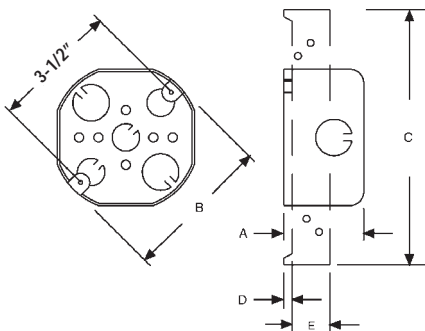
Product Features

- See page B87 for THE INSIDER® (part #4714) nonmetallic sheathed cable connector information
- Mounting hardware and instructions are included

4" ROUND PAN



4" OCTAGON BOXES



Compliance

- – File E195978



295-1, w/4714 THE INSIDER®

294, 295, 296, 299

294-1

299

296-1

loabofkd=fkcl oj ^qfl k=J=afj bkpfl kp

4" ROUND CEILING FAN PAN - 1/2" DEEP – DRAWN WITH CONDUIT KO'S  
6.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		CABLE	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
			COND.				
295-1	—	INSIDER	5-1/2"	10	—	70	150
295*	—	INSIDER	5-1/2"	10		70	150

4" OCTAGON CEILING FAN BOX – 1-1/2" AND 2-1/8" DEEP – DRAWN WITH INSIDER® CONNECTOR FOR NONMETALLIC SHEATHED CABLE

CATALOG NUMBER	BOX DEPTH	BOX VOL. CU. IN.	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
			CABLE	SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
				COND.	COND.				
296-1	1-1/2"	15.5	INSIDER	4-1/2"	3-1/2"	20	—	70	150
296*	1-1/2"	15.5	INSIDER	4-1/2"	3-1/2"	8		70	150
299*	2-1/8"	21.5	INSIDER	4-1/2"	3-1/2"	6		70	150

4" OCTAGON CEILING FAN BOX – 2-1/8" DEEP – DRAWN WITH INSIDER® CONNECTOR FOR NONMETALLIC SHEATHED CABLE – 21.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		CABLE	SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
			COND.	COND.				
294-1	FA brkt., 1/2"	INSIDER	3-1/2"	3-1/2"	10	—	70	150
294*	FA brkt., 1/2"	INSIDER	3-1/2"	3-1/2"	10		70	150

REPLACEMENT HARDWARE – FAN MOUNTING SCREWS

CATALOG NUMBER	DESCRIPTION	SHIP CARTON QTY.	INNER PACK QTY.
8994*	#10-32 x 1-3/8" replacement screws for RACO catalog numbers 295, 295-1	500	50
8995*	#10-32 x 2-3/8" replacement screws for RACO catalog numbers 296, 296-1	300	30
8996*	#10-32 x 3-1/8" replacement screws for RACO catalog numbers 294, 294-1, 299	250	25

DIMENSIONS

CATALOG NUMBER	A (INSIDE)	B	C	D	E
294, 294-1	2-1/8"	4"	5-1/2"	1/2"	2-1/4"
295, 295-1	1/2"	4"	—	—	—
296, 296-1	1-1/2"	4"	—	—	—
299	2-1/8"	4"	—	—	—

\* Packaged in a stackable, individual chipboard box suitable for shelf display. Sold in master carton quantities only. Hubbell® RACO® does not break carton quantities on these items



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



### Brace Applications

- RACO® RETRO-BRACE® is intended for installations of heavy lighting fixtures or ceiling paddle fans in old work or new work applications
- KWIK-BRACE® is for new work installations where the ceiling drywall has not been installed
- They are ideal for heavy lighting fixtures and ceiling paddle fans

### Brace Product Features

- RETRO-BRACE is adjustable for joist spacing from 16" to 24"
- RETRO-BRACE - Simple "tool free" expansion of brace
- RETRO-BRACE has preset support brackets
- Easy-to-follow instructions and mounting hardware included
- KWIK-BRACE slides apart to accommodate joist spacing from 16" to 24"
- Nailing spurs allow for easy brace positioning
- Outlet box can be positioned in any location along its length
- Simple fastener for tightening outlet box and brace
- See page B87 for **THE INSIDER®** (part #4714) nonmetallic sheathed cable connector information

### Concrete Ring Application

- Concrete rings are used with poured deck (floor) in high-rise construction

### GORILLA RING® Product Features

- GORILLA RING features mounting screws that allow for safe and secure mounting of any chandeliers, or lighting fixtures 70 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

- – File E195978



923, 924  
KWIK-BRACE®  
w/4714 THE INSIDER®



936, 937  
RETRO-BRACE®  
w/4714 THE INSIDER®



926 - 926-1  
KWIK-BRACE®



927, 928 KWIK-BRACE®  
w/4714 THE INSIDER®



284  
GORILLA-RING®

### REMODELING BRACES FOR LIGHTING FIXTURES OR CEILING FANS – RETRO-BRACE WITH BOX

CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS <sup>①</sup>	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
936*	1-1/2" Deep Box Remodeling Kit	15.5	6		70/35	110/50
937*	2-1/8" Deep Box Remodeling Kit	21.5	4		70/35	110/50

① 70/110 ratings @ 16" span; 35/50 ratings @ 24" spans

### NEW CONSTRUCTION BRACES FOR LIGHTING FIXTURES OR CEILING FANS KWIK-BRACE WITH BOX

CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS <sup>②</sup>	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
923	1/2" Deep box	6.0	18		70	210/90
924*	1/2" Deep box	6.0	6		70	210/90
926-1	1-1/2" Deep box	15.5	12		70	210/90
926*	1-1/2" Deep box	15.5	6		70	210/90
927	2-1/8" Deep box	21.5	12		70	210/90
928*	2-1/8" Deep box	21.5	6		70	210/90

② 70/210 ratings @ 16" span; 70/90 ratings @ 24" spans

### REPLACEMENT HARDWARE – FAN MOUNTING SCREWS

CATALOG NUMBER	DESCRIPTION	SHIP CARTON QTY.	INNER PACK QTY.
8994*	#10-32 x 1-3/8" replacement screws for RACO catalog numbers 295, 295-1, 923, 924	500	50
8995*	#10-32 x 2-3/8" replacement screws for RACO catalog numbers 296, 926, 936	300	30
8996*	#10-32 x 3-1/8" replacement screws for RACO catalog numbers 294, 299, 928, 937	250	25

### CONCRETE RING - 4" DEEP – FOR CEILING FAN SUPPORT – GORILLA RING

CATALOG NUMBER	DESCRIPTION	KNOCKOUTS			CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.	COND.					
284	RACO 890 or 892 cover must be ordered separately	—	Double row 1/2" & 3/4"	—	49.3	6	—	35	70

\* Packaged in a stackable, individual chipboard box suitable for shelf display. \*Sold in master carton quantities only. Hubbell® RACO® does not break carton quantities on these items



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



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Application

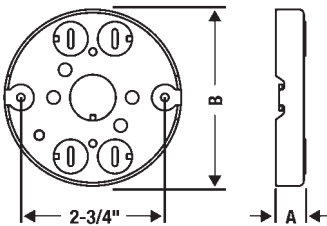
- Ceiling pans are used in the installation of ceiling or wall lighting fixtures

Product Features

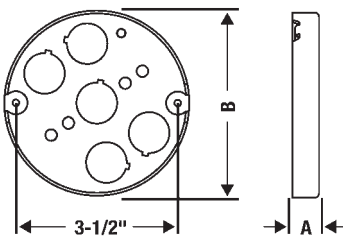
- Combination screw heads provide for faster installation
- See page B87 for **THE INSIDER®** (part #4714) nonmetallic sheathed cable connector information



3-1/2" ROUND PAN



4" ROUND PAN



Compliance

- UL – File E195978

3-1/2" ROUND PAN – 1/2" DEEP – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS – 4.0 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.				
292	Round ceiling pan	4 priouts	1-1/2"	50	—	No	50
8292	Round ceiling pan	4 priouts	1-1/2"	50		No	50

3-1/2" ROUND PAN – 11/16" DEEP – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS – 5.0 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.				
287	Round ceiling pan	4 priouts	1-1/2"	50	—	No	50

4" ROUND CEILING FAN AND FIXTURE PAN – 1/2" DEEP – DRAWN WITH CONDUIT KO'S 6.0 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.				
293	Round ceiling pan	—	5-1/2"	50	—	No	50
8293	Round ceiling pan	—	5-1/2"	50		No	50
295-1*	Round ceiling pan	INSIDER	5-1/2"	10	—	70	150
295*	Round ceiling pan	INSIDER	5-1/2"	10		70	150

3-1/2" ROUND COVER			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
703	Flat, 1/2" KO in center	25	
8703-5	Flat, 1/2" KO in center	50*	

\*5 Bundles of 10

DIMENSIONS		
CATALOG NUMBER	A (INSIDE)	B
292, 8292	1/2"	3-3/8"
287	11/16"	3-3/8"
293, 8293	1/2"	4"
295, 295-1	1/2"	4"

\* Packaged in a stackable, individual chipboard box suitable for shelf display. Sold in master carton quantities only. Hubbell® RACO® does not break carton quantities on these items



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



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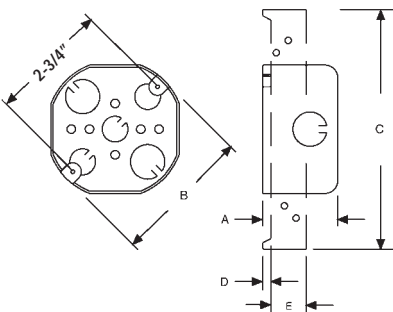
## Applications

- 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

### 3-1/2" OCTAGON BOXES



## Compliance

- – File E195978



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3-1/2" OCTAGON BOX – 1-1/2" DEEP – DRAWN WITH CONDUIT KO'S – 11.8 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		COND.	COND.				
110	—	4-1/2"	1-1/2"	25		No	50

3-1/2" OCTAGON BOX – 1-1/2" DEEP – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS – 11.8 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.	COND.				
112	—	4	2-1/2"	1-1/2"	25		No	50
119	TS brkt., 1/2"	4	1-1/2"	1-1/2"	25		No	50

3-1/2" OCTAGON EXTENSION RING – 1-1/2" DEEP – DRAWN WITH CONDUIT KO'S – 11.8 CUBIC INCHES					
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE
		SIDES COND.	BOTTOM COND.		
111	Extension ring	4-1/2"	—	25	

DIMENSIONS					
CATALOG NUMBER	A (INSIDE)	B	C	D	E
110	1-1/2"	3-1/2"	—	—	—
112	1-1/2"	3-1/2"	—	—	—
119	1-1/2"	3-1/2"	7"	1/2"	1-1/16"
111	1-1/2"	3-1/2"	—	—	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)

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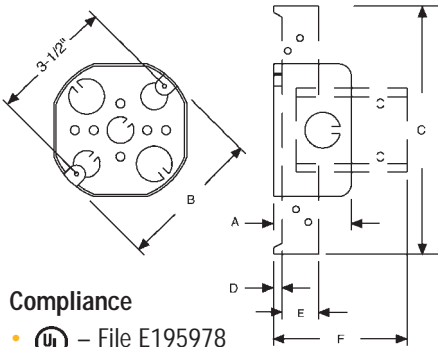
Application

- 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
- Fixture bar hanger allows box to be located anywhere along length of bar
- RACO® 324 includes 3/8"-18 NPS trade sized stud to accommodate fixture stem. Locknut is not required for mounting box

4" OCTAGON BOXES



Compliance

- – File E195978



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4" OCTAGON BOX – 1-1/2" DEEP – DRAWN WITH CONDUIT KO'S – 15.5 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RAISED GROUND PROVISION	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		COND.	COND.					
125	—	4-1/2"	5-1/2"	50	—	—	No	50
8125	—	4-1/2"	4-1/2"	50		Yes	No	50
126	—	4-3/4"	2-1/2" 2-3/4"	50	—	Yes	No	50
127	—	2-1/2" 2-3/4"	2-1/2" 2-3/4"	50		Yes	No	50
158	J brkt., 3/8" or 1/2"	4-1/2"	5-1/2"	50		—	No	50
161	TS brkt., 1/2"	3-1/2"	5-1/2"	50		—	No	50

DIMENSIONS						
CATALOG NUMBER	A (INSIDE)	B	C	D	E	F
125, 8125	1-1/2"	4"	—	—	—	—
126	1-1/2"	4"	—	—	—	—
127	1-1/2"	4"	—	—	—	—
158	1-1/2"	4"	2-3/8"	—	—	3-1/8"
161	1-1/2"	4"	7"	1/2"	1-1/16"	—

4" OCTAGON BOX WITH BAR HANGER – 1-1/2" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 15.5 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		COND.	COND.				
324*	3/8" Stud, adj. 14-1/4" to 22-1/2"	4-1/2"	4-1/2"	25		No	50

\*UL Rated at 16" on center joist



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)

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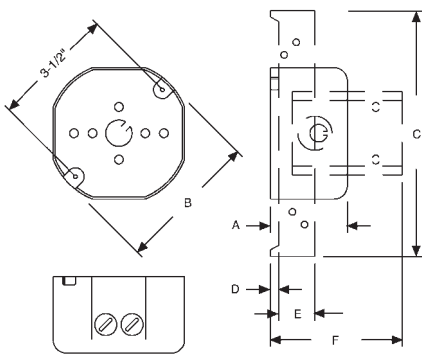
### Application

- 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 and clamp types and features
- Fixture bar hanger allows box to be located anywhere along length of bar
- RACO® 326, 8326 includes 3/8"-18 NPS trade sized stud to accommodate fixture stem. Locknut not required to mount box
- Combination screw heads provide for faster installation

#### 4" OCTAGON BOXES



### Compliance

- UL – File E195978



146, 8146



145



150



160



164



326, 8326

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#### 4" OCTAGON BOX – 1-1/2" DEEP – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS – 15.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.	COND.				
146	—	4	2-1/2"	1-1/2"	50	—	No	50
8146	—	4	2-1/2"	1-1/2"	50		No	50
145	Side holes, 1/8" & 1/4"	4	2-1/2"	1-1/2"	50	—	No	50
150	Ears	4	2-1/2"	1-1/2"	50		No	50
160	J brkt., 3/8" or 1/2"	4	2-1/2"	1-1/2"	50		No	50
164	TS brkt., 1/2"	4	1-1/2"	1-1/2"	50		No	50

#### 4" OCTAGON WITH BAR HANGER – 1-1/2" DEEP – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS – 15.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.					
326*	3/8" Stud, adj. 14-1/4" to 22-1/2"	4	2-1/2"	—	25	—	No	50
8326*	3/8" Stud, adj. 14-1/4" to 22-1/2"	4	2-1/2"	—	25		No	50

\*UL Rated at 16" on center joist

#### DIMENSIONS

CATALOG NUMBER	A (INSIDE)	B	C	D	E	F
146, 8146	1-1/2"	4"	—	—	—	—
145	1-1/2"	4"	—	—	—	—
150	1-1/2"	4"	—	—	—	—
160	1-1/2"	4"	2-3/8"	—	—	3-1/8"
164	1-1/2"	4"	7"	1/2"	1-1/16"	—



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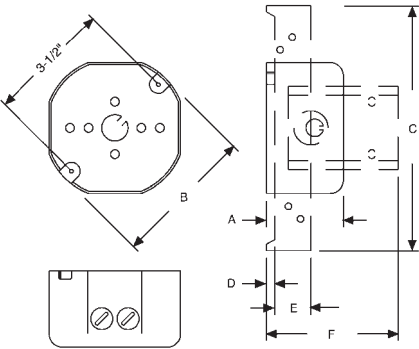
Applications

- 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 and clamp types and features
- Fixture bar hanger allows box to be located anywhere along length of bar
- RACO® 325, 8325 includes 3/8"-18 NPS trade sized stud to accommodate fixture stem. Locknut not required to mount box

4" OCTAGON BOXES



Compliance

-  – File E195978



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4" OCTAGON BOX WITH BAR HANGER – 1-1/2" DEEP – DRAWN WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 15.5 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.	COND.				
325*	3/8" Stud, adj. 14-1/4" – 22-1/2"	4	2-1/2"	—	25	—	No	50
8325*	3/8" Stud, adj. 14-1/4" – 22-1/2"	4	2-1/2"	—	25		No	50

\*UL Rated at 16" on center joist

4" OCTAGON BOX – 1-1/2" DEEP – DRAWN WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 15.5 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.	COND.				
153	—	4	2-1/2"	1-1/2"	25		No	50
155	TS brkt., 1/2"	4	1-1/2"	1-1/2"	50		No	50
157	J brkt., 3/8" or 1/2"	4	2-1/2"	1-1/2"	50		No	50

DIMENSIONS						
CATALOG NUMBER	A (INSIDE)	B	C	D	E	F
153	1-1/2"	4"	—	—	—	—
155	1-1/2"	4"	7"	1/2"	1-1/16"	—
157	1-1/2"	4"	2-3/8"	1/2"	—	3-1/8"





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Application

- Octagon boxes are used in the installation of ceiling or wall lighting fixtures



166



167

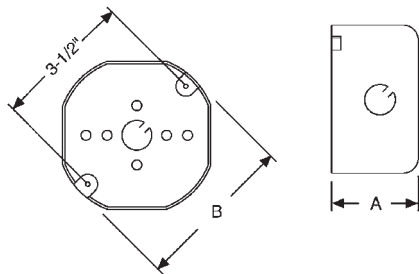


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4" OCTAGON BOXES



Compliance

-  – File E195978

4" OCTAGON BOX – 2-1/8" DEEP (INSIDE) – DRAWN WITH CONDUIT KNOCKOUTS – 21.5 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		COND.	COND.				
165	—	4-1/2"	5-1/2"	50	—	No	50
166	—	4-3/4"	3-1/2" 2-3/4"	50	—	No	50
167	—	2-1/2" 2-3/4"	2-3/4" 3-1/2"	50		No	50

DIMENSIONS		
CATALOG NUMBER	A (INSIDE)	B
165	2-1/8"	4"
166	2-1/8"	4"
167	2-1/8"	4"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



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Application

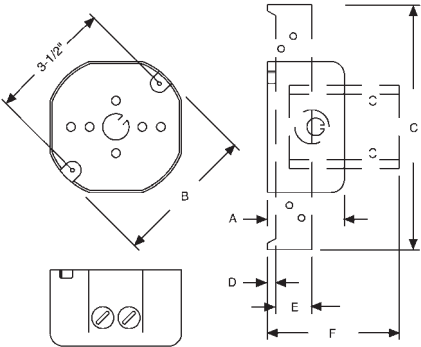
- Octagon boxes are used in the installation of ceiling or wall lighting fixtures
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

Product Features

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



4" OCTAGON BOXES



Compliance

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

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4" OCTAGON BOX – 2-1/8" DEEP – DRAWN WITH NONMETALLIC SHEATHED CABLE CLAMPS – 21.5 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES		BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		CABLE	COND.	COND.				
175	—	4	2-1/2"	1-1/2"	50		No	50
176	J brkt., 5/8"	4	2-1/2"	1-1/2"	25		No	50
177	TS brkt., 1/2"	4	1-1/2"	1-1/2"	25	—	No	50

4" OCTAGON EXTENSION RINGS – 1-1/2" DEEP – DRAWN WITH CONDUIT KO'S – 15.5 CU. IN.						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
		COND.				
128	Extension ring	4-1/2"	25		NO	50
130	Extension ring	2-1/2", 2-3/4"	50		NO	50
131RAC	Extension ring	4-3/4"	25		NO	50

DIMENSIONS						
CATALOG NUMBER	A (INSIDE)	B	C	D	E	F
128	1-1/2"	4"	—	—	—	—
130	1-1/2"	4"	—	—	—	—
131RAC	1-1/2"	4"	—	—	—	—
175	2-1/8"	4"	—	—	—	—
176	2-1/8"	4"	2-3/8"	5/8"	—	3-1/8"
177	2-1/8"	4"	7"	1/2"	1-1/16"	—



### Applications

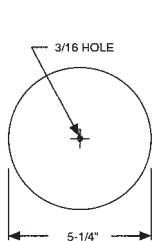
- Covers are used to close an outlet box
- Switches or receptacles may be installed into octagon boxes by using covers 729 or 731
- Raised covers are used for mounting lighting fixtures
- 5" Round closure plates are designed for use in dry locations for closure at unused ceiling outlets

### Product Features

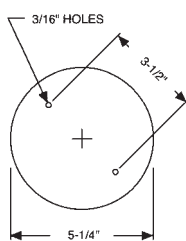
- 5" Round covers feature state-of-the-art powder coat paint finish which provides a light texture finish and scratch resistance
- Swivel cover restricted to 20° swing from vertical
- KWIK-HANG® allows easy installation of high bay lighting fixtures. Fixture nests in cover while wiring is completed

#### ROUND CLOSURE PLATES

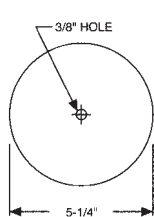
CAT. NO. 5652-1



CAT. NO. 5653-1



CAT. NO. 5654-1



### Compliance

- UL – File E195978
- CS – File LR-1082 (722, 729, 731)



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#### 4" OCTAGON AND ROUND COVERS

CATALOG NUMBER	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
722	Flat, blank	—	50	—	No	No
8722-5	Flat, blank	—	50*		No	No
724	Flat, 1/2" KO	—	50		No	No
8724-5	Flat, 1/2" KO	—	50*		No	No
729	Flat, toggle switch	—	50		No	No
731	Flat, duplex receptacle	—	25		No	No
8731-5	Flat, duplex receptacle	—	50*		No	No
737	Raised 1/2", open, ears 2-3/4" O.C.	3.3	25		No	50
727	Raised 5/8", open, ears 2-3/4" O.C.	3.8	25		No	50
732	Raised 1", open, ears 2-3/4" O.C.	6.5	25	—	No	50

\*5 Bundles of 10

#### SWIVEL FIXTURE, SUPPORT COVERS

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
894	KWIK-HANG®, For 3-1/2" or 4" octagon boxes, 1/2" or 3/4" conduit	25		No	50
895	For 3-1/2" or 4" octagon boxes, 1/2" or 3/4" conduit	25		No	50

#### 5" ROUND STEEL CLOSURE PLATES

CATALOG NUMBER	COLOR	DESCRIPTION TYPE	PKG. PKG.	STD. BAR CODE	UPC
5652-1	Off-white	Screw & 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 & universal mount strap	Shrink	10	—

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Applications

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

Product Features

- Combination screw heads provide for faster installation
- Thru-the-wall box is designed for shallow wall applications and allows for attachment of wall plate to both faces of box
- TKO® knockouts offer greater flexibility with RACO® patented combination 1/2" and 3/4" knockout
- 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

Compliances

-  - File E195978
-  All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts



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4" SQUARE – 1-1/4" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 18.0 CUBIC INCHES							
CATALOG NUMBER	UBS FAR SIDE SUPPORT	KNOCKOUTS		STD. PKG.	RAISED GROUND PROVISION	PIG-TAIL	UPC BAR CODE
		SIDES COND.	BOTTOM COND.				
185	—	10-1/2"	5-1/2"	50	No	No	

4" SQUARE – 1-1/2" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 21.0 CUBIC INCHES							
CATALOG NUMBER	UBS FAR SIDE SUPPORT	KNOCKOUTS		STD. PKG.	RAISED GROUND PROVISION	PIG-TAIL	UPC BAR CODE
		SIDES	BOTTOM				
		COND.	COND.				
190	—	12-1/2"	4-1/2"	50	Yes	No	
8190	—	12-1/2"	4-1/2"	50	Yes	No	
191	—	8-3/4"	1-1/2", 3-3/4"	50	Yes	No	
8191	—	8-3/4"	1-1/2", 3-3/4"	25	Yes	No	
192	—	8-1/2", 4-3/4"	2-1/2", 2-3/4"	50	Yes	No	
8192	—	8-1/2", 4-3/4"	2-1/2", 2-3/4"	50	Yes	No	
192SM	—	8-1/2", 4-3/4"	2-1/2", 2-3/4"	50	Yes	Yes	

600V  
600V  
600V  
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600V

4" SQUARE – 1-1/2" DEEP (INSIDE) – WELDED WITH CONDUIT KO'S – 21.0 CUBIC INCHES							
CATALOG NUMBER	UBS FAR SIDE SUPPORT	KNOCKOUTS		STD. PKG.	RAISED GROUND PROVISION	PIG-TAIL	UPC BAR CODE
		SIDES COND.	BOTTOM COND.				
181	—	8-3/4"	1-1/2", 4-3/4"	50	No	No	—
189	—	8-1/2", 4-TKO®	2-1/2", 2-TKO®	50	Yes	No	—
8189	—	8-1/2", 4-TKO®	3-1/2", 2-TKO®	50	No	No	
189SM	—	8-1/2", 4-TKO®	2-1/2", 2-TKO®	50	Yes	Yes	—
189F	Yes	8-1/2", 4-TKO®	2-1/2", 2-TKO®	50	Yes	Yes	—
911-9	—	8-1/2", 4-TKO®	3-1/2", 2-TKO®	50	No	No	—

4" SQ. – THRU-THE-WALL BOX – 1-1/2" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 22.5 CU. IN.							
CATALOG NUMBER	UBS FAR SIDE SUPPORT	KNOCKOUTS		CU. IN.	STD. PKG.	PIG-TAIL	UPC BAR CODE
		SIDES COND.	BOTTOM COND.				
204	—	8-1/2", 4-3/4"	—	22.5	50	No	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)





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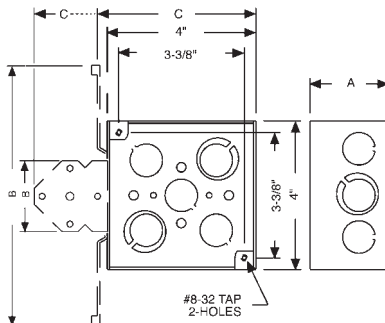
### Applications

- 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 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. Barbed hooks dig into the flat side of the stud, quickly locking it in place
- 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"

### 4" SQUARE BOXES



### Compliances

- UL – File E195978

All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)

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



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### 4" SQUARE BRACKETED BOXES – 1-1/2" DEEP – WELDED WITH CONDUIT KO'S – 21.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UBS SUP- PORT	PIG- TAIL	RSD. GRND. PRVSN.	UPC BAR CODE
		SIDES	BOTTOM					
		COND.	COND.					
<b>600V</b> 189H	HM	6-1/2", 3 – TKO®	2-1/2", 2 – TKO®	20	Yes	Yes	Yes	—
<b>600V</b> 189HS*	HM	6-1/2", 3 – TKO®	2-1/2", 2 – TKO®	20	Yes	Yes	Yes	—
<b>600V</b> 189M	HM	4-1/2", 2 – TKO®	2-1/2", 2 – TKO®	20	Yes	Yes	Yes	—
<b>600V</b> 189HWP	HM	6-1/2", 3 – TKO®	2-1/2", 2 – TKO®	20	Yes	No	Yes	—
<b>600V</b> 193	B, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	—
<b>600V</b> 8193	B, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	10	—	No	—	
<b>600V</b> 196	FM, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	—
<b>600V</b> 8196	FM, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	
<b>600V</b> 197	FH, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	—
<b>600V</b> 8197	FH, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	
<b>600V</b> 199	FM, flush	6-3/4"	1-1/2", 4-3/4"	25	—	No	—	—
<b>600V</b> 208	W, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	—
<b>600V</b> 8208	W, flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	—	No	—	
<b>600V</b> 227	BOX-LOC® (MS) flush	6-1/2", 3 – TKO®	3-1/2", 2 – TKO®	25	Plastic	No	—	

\*Box has stranded pigtail assembled

### DIMENSIONS

CATALOG NUMBER	A (INSIDE)	B	C
189H	1-1/2"	3-1/8"	4-5/16"
189HS	1-1/2"	3-1/8"	4-5/16"
189M	1-1/2"	3-1/8"	4-5/16"
189HWP	1-1/2"	3-1/8"	4-5/16"
193, 8193	1-1/2"	1-31/32"	6"
196, 8196	1-1/2"	6-7/8"	4-3/8"
197, 8197	1-1/2"	7-3/8"	4-3/8"
199	1-1/2"	6-7/8"	4-3/8"
208, 8208	1-1/2"	6-13/16"	5-15/16"
227	1-1/2"	4-5/8"	5-1/2"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



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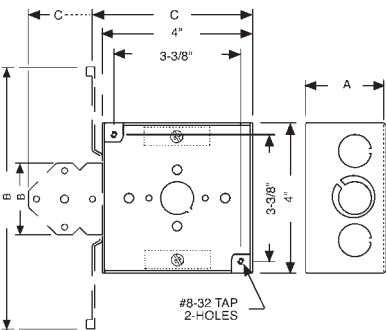
Applications

- 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 Box Selection section in the front of this catalog for complete description of bracket and clamp 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. Barbed hooks dig into the flat side of 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



Compliances

- – File E195978
- All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)
- **600V** Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts



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4" SQUARE – 1-1/2" DEEP – WELDED WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 21.0 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			UBS SUP-PORT	STD. PKG.	UPC BAR CODE
		SIDES		BOTTOM			
		CABLE	COND.	COND.			
213	—	4	4-1/2", 2 – TKO®	1-1/2"	—	50	—
8213	—	4	4-1/2", 2 – TKO®	1-1/2"	—	50	
219	FH, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	—
224	B, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	—
218	FM, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	—
8218	FM, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	
229*	BOX-LOC® (MS) flush	4	2-1/2", 1 – TKO®	1-1/2"	Plastic	25	
213HWP	HM Bracket	4	2-1/2" , 1 - TKO®	1-1/2"	Yes	20	—

\*Provided w/far-side support (part #978)

DIMENSIONS			
CATALOG NUMBER	A (INSIDE)	B	C
213, 8213	1-1/2"	—	—
218, 8218	1-1/2"	6-7/8"	4-3/8"
219	1-1/2"	7-3/8"	4-3/8"
224	1-1/2"	1-31/32"	6"
229	1-1/2"	4-5/8"	5-1/2"



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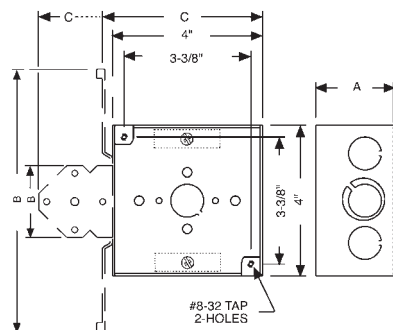
### Applications

- 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 Box Selection section in the front of this catalog for complete description of bracket and clamp 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. Barbed hooks dig into the flat side of 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



### Compliances

- UL – File E195978

All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. web-site at [www.ul.com](http://www.ul.com)

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



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#### 4" SQUARE – 1-1/2" DEEP – WELDED WITH NONMETALLIC SHEATHED CABLE CLAMPS – 21.0 CUBIC INCHES

	CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			UBS SUP- PORT	STD. PKG.	UPC BAR CODE
			SIDES		BOTTOM			
			CABLE	COND.	COND.			
600V	211	—	4	4-1/2", 2 – TKO®	1-1/2"	—	50	—
600V	8211	—	4	4-1/2", 2 – TKO®	1-1/2"	—	50	
600V	220	FH, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	—
600V	8220	FH, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	
600V	223	FM, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	
600V	225	B, flush	4	2-1/2", 1 – TKO®	1-1/2"	—	25	—
600V	228*	BOX-LOC® (MS) flush	4	2-1/2", 1 – TKO®	1-1/2"	Plastic	25	

\*Provided w/far-side support (part #978)

#### DIMENSIONS

CATALOG NUMBER	A (INSIDE)	B	C
211, 8211	1-1/2"	—	—
220, 8220	1-1/2"	7-3/8"	4-3/8"
223	1-1/2"	6-7/8"	4-3/8"
225	1-1/2"	1-31/32"	6"
228	1-1/2"	4-5/8"	5-1/2"



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Application

- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

Product Feature

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

Compliance

-  – File E195978



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4" SQUARE EXTENSION RINGS – 1-1/2" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 22.5 CUBIC INCHES					
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE
		SIDES COND.	BOTTOM COND.		
201	—	12-1/2"	—	50	—
8201	—	12-1/2"	—	25	
202	—	8-3/4"	—	50	—
203	—	8-1/2", 4-3/4"	—	50	—
8203	—	8-1/2", 4-3/4"	—	50	
187	Attaches to switch boxes	8-1/2", 4-3/4"	—	25	
911-6	Painted Red	8-1/2", 4-3/4"	—	50	—

Applications

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

Product Features

- To maintain plenum seal, both RACO® 226 and 239 do not provide ground screw holes
- Cover gasket is PVC foam material

Compliance

-  – File E195978



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4" SQUARE PLENUM BOXES & COVER – 1-1/2" & 2-1/8" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		CU. IN.	STD. PKG.	UPC BAR CODE
		SIDES	BOTTOM			
226	1-1/2" Deep	8-1/2", 4-3/4"	3-1/2", 2-3/4"	21.0	50	—
239	2-1/8" Deep	8-1/2", 4-3/4"	3-1/2", 2-3/4"	30.3	25	—
762	Gasketed cover for 4" square boxes	—	—	—	50	—





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### Applications

- 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

### Compliances

- UL – File E195978

All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)

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



231, 8231

232, 8232

232F

232SM

233, 8233

911-3

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4" SQUARE – 2-1/8" DEEP (INSIDE) – WELDED WITH CONDUIT KO'S – 30.3 CUBIC INCHES

CATALOG NUMBER	UBS FARSIDE SUPPORT	KNOCKOUTS		STD. PKG.	RAISED GROUND PROVISION	PIGTAIL	UPC BAR CODE
		SIDES COND.	BOTTOM COND.				
231	—	8-3/4"	1-1/2", 4-3/4"	25	No	No	—
8231	—	8-3/4"	1-1/2", 4-3/4"	25	No	No	
600V 232	—	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	No	—
600V 8232	—	8-1/2", 4-TKO®	3-1/2", 2-TKO®	25	No	No	
600V 232F	Yes	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	Yes	—
600V 232SM	—	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	Yes	
233	—	8-1"	3-1/2", 2-3/4"	25	No	No	—
8233	—	8-1"	3-1/2", 2-3/4"	25	No	No	
600V 911-3	—	8-1/2", 4-TKO®	3-1/2", 2-TKO®	25	No	No	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



o` I =pqbbi=\_l ubp=C= I sbop

Q" pnr ^ob=\_l ubp  
OJNLU" abbmL` I kar fq

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C= l sbop

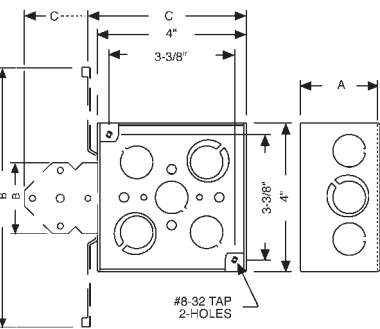
Applications

- 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 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. Barbed hooks dig into the flat side of 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 BOXES



Compliances

- UL - File E195978
- All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)
- 600V Per U.L. 514-A, suitable for use without a bonding jumper in circuits up to 600 volts



l oabofkd=fkcl oj ^qfl k=afj bkpfl kp

4" SQUARE – 2-1/8" DEEP – WELDED WITH CONDUIT KO'S – 30.3 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UBS SUP-PORT	RSD. GRND. PRVSN.	PIG-TAIL	UPC BAR CODE
		SIDES	BOTTOM					
		COND.	COND.					
232H	HM Brkt	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	Yes	Yes	—
232HS*	HM Brkt	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	Yes	Yes	—
232HWP	HM Brkt	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	Yes	No	—
232M	HM Brkt	8-1/2", 4-TKO®	2-1/2", 2-TKO®	25	Yes	Yes	Yes	—
235	TS, flush	6-1/2", 3-TKO®	3-1/2", 2-TKO®	25	—	—	No	—
8235	TS, flush	6-1/2", 3-TKO®	3-1/2", 2-TKO®	25	—	—	No	
236	FM, flush	6-3/4"	1-1/2", 4-3/4"	25	—	—	No	
237	FM, flush	6-1/2", 3-TKO®	3-1/2", 2-TKO®	25	—	—	No	
238	BOX-LOC® (MS) flush	6-1/2", 3-TKO®	3-1/2", 2-TKO®	25	Plastic	—	No	
251	B Brkt	6-1/2", 3-TKO®	3-1/2", 2-TKO®	25	—	—	No	—
911-4	FM, flush	6-1/2", 3-TKO®	3-1/2", 2-TKO®	25	—	—	No	—

\*Box has stranded pigtail assembled

DIMENSIONS			
CATALOG NUMBER	A (INSIDE)	B	C
232H, 232HS	2-1/8"	3-1/4"	4-5/16"
232HWP	2-1/8"	3-1/4"	4-5/16"
232M	2-1/8"	3-1/4"	4-5/16"
235, 8235	2-1/8"	7"	4-5/16"
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"
251	2-1/8"	1-31/32"	6"
911-4	2-1/8"	7-5/8"	4-3/8"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)

## 4" SQUARE BOXES

### 2-1/8" DEEP WITH CLAMPS (NONMETALLIC AND ARMORED CABLE)

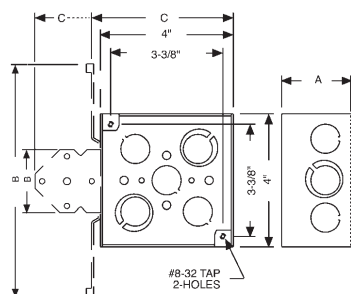
#### Applications

- 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 Box Selection section in the front of this catalog for complete description of bracket and clamp 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. Barbed hooks dig into the flat side of 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



#### Compliances

- UL – File E195978



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)

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



RACO STEEL BOXES  
& COVERS

#### ORDERING INFORMATION - DIMENSIONS

4" SQUARE – 2-1/8" DEEP WITH NONMETALLIC SHEATHED CABLE CLAMPS – 30.3 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES		BOTTOM		
		CABLE	COND.	COND.		
240	TS, flush	4	2-1/2", 1 – TKO®	1-1/2"	25	—
8240	TS, flush	4	2-1/2", 1 – TKO®	1-1/2"	25	
242	—	4	4-1/2", 2 – TKO®	1-1/2"	25	—

4" SQUARE – 2-1/8" DEEP WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 30.3 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES		BOTTOM		
		CABLE	COND.	COND.		
241	TS, flush	4	2-1/2", 2 – TKO®	1-1/2"	25	—
8241	TS, flush	4	2-1/2", 1 – TKO®	1-1/2"	25	
243*	BOX-LOC® (MS) flush	4	2-1/2", 1 – TKO®	1-1/2"	25	
248	—	4	4-1/2", 2 – TKO®	1-1/2"	25	
249	B, flush	4	2-1/2", 1 – TKO®	1-1/2"	25	—

\*Provided w/far-side support (part #978)

DIMENSIONS			
CATALOG NUMBER	A (INSIDE)	B	C
240, 8240	2-1/8"	7"	4-5/16"
241, 8241	2-1/8"	7"	4-5/16"
242	2-1/8"	—	—
243	2-1/8"	4-5/8"	5-1/2"
248	2-1/8"	—	—
249	2-1/8"	1-31/32"	6"

## A28

## 3-3/4" SQUARE BOXES AND 4" SQUARE RETRO RING®

## 3-1/2" DEEP/CONDUIT

RACO STEEL BOXES  
& COVERS

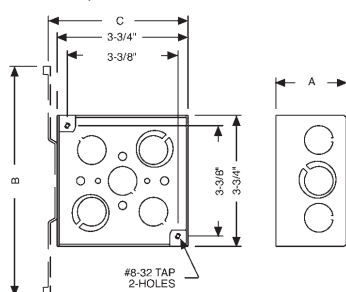
## Applications

- 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

- 3-3/4" opening in wall allows for margin of error when using a 4" square cover
- Will accept all 4" square covers and mudrings
- Red boxes, covers and extensions for dedicated life safety alarm circuits

## 3-3/4" SQUARE BOXES



## Compliance

- UL – File E195978

## Applications

- RETRO-RING® 205RAC and 206RAC are used to position a 4" sq. steel junction box in a sheet rock covered wall cavity
- Use 205RAC in old work, life safety appliance installations
- 206RAC is used in old work installations where one or two devices are required

## Product Features

- 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 device to wall
- Includes one wall template per carton

## Compliance

- UL Listed



255



911-1



256



911-2

## ORDERING INFORMATION - DIMENSIONS

## 3-3/4" SQUARE, LARGE CAPACITY BOXES – 3-1/2" DEEP – WELDED WITH CONDUIT KO'S

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		CU. IN.	STD. PKG.	UPC BAR CODE
		SIDES	BOTTOM			
255*	FM, flush	10, 1/2" - 3/4" conc.	4, 1/2" - 3/4" conc.	40.5	10	
911-1*	FM, flush, Painted Red	10, 1/2" - 3/4" conc.	4, 1/2" - 3/4" conc.	40.5	10	—
256*	No bracket	12, 1/2" - 3/4" conc.	4, 1/2" - 3/4" conc.	40.5	25	
911-2*	No bracket, Painted Red	12, 1/2" - 3/4" conc.	4, 1/2" - 3/4" conc.	40.5	25	—

\*Will accept a 4" square cover

## DIMENSIONS

CATALOG NUMBER	A	B	C
255	3-1/2"	7- 5/8"	4-1/8"
911-1	3-1/2"	7- 5/8"	4-1/8"
256	3-1/2"	—	—
911-2	3-1/2"	—	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



205RAC

206RAC,  
8206RAC

## 4" SQUARE RETRO-RINGS®

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
205RAC	Old work ring for alarm installation	20	—
206RAC	Old work ring for device installation	20	—
8206RAC	Old work ring for device installation	10	



## 4" SQUARE COVERS

## Applications

- 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
- Swivel covers restricted to 20° swing from vertical
- KWIK-HANG® allows easy installation of high bay lighting fixtures. Fixture rests in position while wiring is completed
- Red boxes, covers and extensions for dedicated life safety alarm circuits

## Compliances

- UL – File E195978
- CSF – File LR-1082

\*5 Bundles of 10

RACO STEEL BOXES  
& COVERS

## ORDERING INFORMATION - DIMENSIONS

4" SQUARE COVERS						
CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
752	Flat, blank	—	50	—	No	No
8752	Flat, blank	—	50		No	No
8752-5	Flat, blank	—	50*		No	No
753	Flat, 1/2" KO in center	—	50	—	No	No
8753	Flat, 1/2" KO in center	—	50		No	No
8753-5	Flat, 1/2" KO in center	—	50*		No	No
911-8	Flat, blank, Painted Red	—	50	—	No	No

4" SQUARE DEVICE AND TILE COVERS - SINGLE DEVICE						
CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
767	Raised 1/2" open, ears 2-3/4" O.C.	3.0	25	—	No	50
8767	Raised 1/2" open, ears 2-3/4" O.C.	3.0	25		No	50
756	Raised 5/8" open, ears 2-3/4" O.C.	4.0	100	—	No	50
8756	Raised 5/8" open, ears 2-3/4" O.C.	4.0	25		No	50
759	Raised 3/4" open, ears 2-3/4" O.C.	5.0	25		No	50
757	Raised 1" open, ears 2-3/4" O.C.	6.8	25		No	50
758	Raised 1-1/4" open, ears 2-3/4" O.C.	8.5	25	—	No	50
787	Flat	—	50	—	—	—
8787	Flat	—	50		—	—
771	Raised 1/4"	1.5	100	—	—	—
8771	Raised 1/4"	1.5	25		—	—
772	Raised 1/2" drawn	3.5	100	—	—	—
8772	Raised 1/2" drawn	3.5	50		—	—
782	Raised 1/2" tile	3.5	25		—	—
768	Raised 5/8"	4.5	50	—	—	—
8768	Raised 5/8"	4.5	25		—	—
773	Raised 3/4"	5.5	50	—	—	—
8773	Raised 3/4"	5.5	50		—	—
774	Raised 1"	7.5	25		—	—
775	Raised 1-1/4"	9.5	25	—	—	—
8775	Raised 1-1/4"	9.5	25		—	—
785	Raised 1-1/2"	11.3	25	—	—	—
786	Raised 2"	14.5	25		—	—

SWIVEL FIXTURE COVERS						
CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
896	For 4" sq. boxes, 1/2" or 3/4" pipe	—	25	—	No	50
897	KWIK-HANG® For 4" sq. boxes 1/2" or 3/4" pipe	—	25	—	No	50



## A30

## 4" SQUARE COVERS AND PARTITIONS

RACO STEEL BOXES  
& COVERS**Applications**

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

**Product Feature**

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

**Low Voltage 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

**Compliances**

- UL – File E195978
- CS – File LR-1082
- Low voltage partitions are not UL listed



791

777-781, 769,  
8769-8781, 8777-0

795, 796



706RAC, 707RAC



708, 709

## ORDERING INFORMATION - DIMENSIONS

## 4" SQUARE COMBINATION DEVICE AND TILE COVERS TWO DEVICE

CATALOG NUMBER	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
791	Flat	—	50	
777	Raised 1/4", drawn	3.0	50	—
8777-0	Raised 1/4", drawn	3.0	10	
778	Raised 1/2", drawn	5.5	50	—
8778	Raised 1/2", drawn	5.5	25	
769	Raised 5/8", drawn	7.3	50	—
8769	Raised 5/8", drawn	7.3	25	
779	Raised 3/4", drawn	8.8	50	—
8779	Raised 3/4", drawn	8.8	50	
780	Raised 1", drawn	12.0	25	
781	Raised 1-1/4", drawn	15.0	25	—
8781	Raised 1-1/4", drawn	15.0	25	
795	Raised 1-1/2", welded	15.5	25	—
796	Raised 2", welded	20.5	25	—

## LOW VOLTAGE PARTITIONS – FOR 1-1/2" &amp; 2-1/8" DEEP

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
For 1-1/2" Deep Box and 2-Device Raised Cover*:			
706RAC	1/4", 1/2", 3/4" or 1" (777, 778, 8778, 779, 8779, 780)	25	—
708	1-1/4", 1-1/2", or 2" (781, 8781, 795, 796)	25	—
For 2-1/8" Deep Box and 2-Device Raised Cover*:			
707RAC	1/4", 1/2", 3/4" or 1" (777, 778, 8778, 779, 8779, 780)	25	—
709	1-1/4", 1-1/2", or 2" (781, 8781, 795, 796)	25	—

\* Boxes, covers, and partitions must be ordered separately

\* For 1-1/2" deep box with 5/8" cover, partition not available

\* For 2-1/8" deep box with 5/8" cover, use #708 partition

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



## 4" SQUARE EXPOSED WORK COVERS

**Application**

- 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**

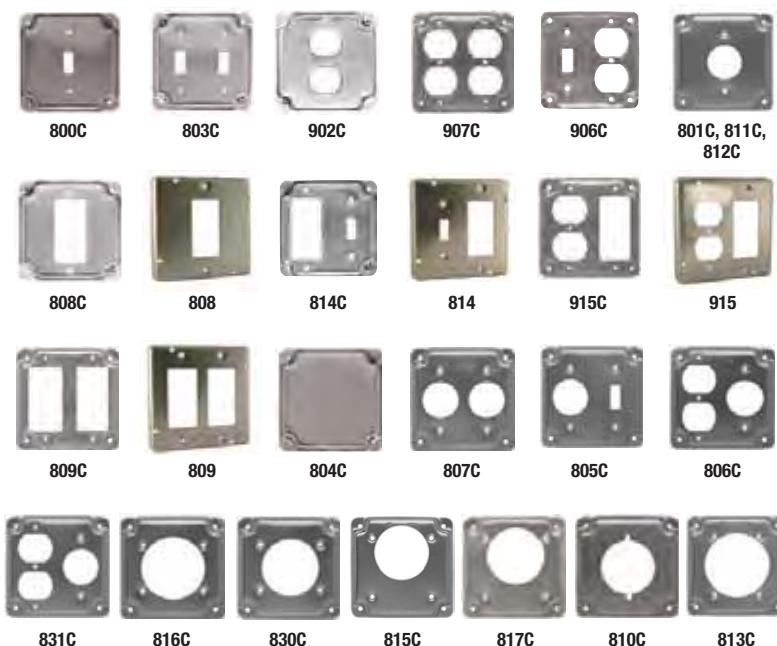
- RACO® exposed work covers include required hardware for mounting the receptacle(s)
- RACO® exposed work covers meet the requirements of the 2008 NEC Article 250.146 (A). No bonding jumper is required for covers with (1) crushed corners (2) two or more device attachment screws and (3) a lockwasher or equivalent
- Hardware and cover are packed in a poly-bag with printed catalog number, compliances and installation instructions

HELPFUL HINT: Remove a portion of the GFCI receptacle ear to mount device to 4" square cover

NOTE: 808, 809, 814, 915 covers are not crushed corners and require longer screws to attach to box. Longer screws are provided with covers

**Compliances**

-  – File E195978
-  – File LR-1082


RACO STEEL BOXES  
& COVERS
**ORDERING INFORMATION - DIMENSIONS**

4" SQUARE SURFACE COVERS – RAISED 1/2"					
CATALOG NUMBER	DESCRIPTION	CU. IN.	STD. PKG.	CRUSHED CORNERS	UPC BAR CODE
800C	1 Toggle switch	6.5	10	Yes	
801C	1 Receptacle 1.406" dia.	6.5	10	Yes	
803C	2 Toggle switches	6.5	10	Yes	
804C	Blank, no holes	6.5	10	Yes	
805C	1 Toggle switch & 1 1.406" dia.	6.5	10	Yes	
806C	1 Duplex & 1 1.406" dia.	6.5	10	Yes	
807C	2 Receptacles, 1.406" dia. holes	6.5	10	Yes	
808C	1 GFCI	6.5	10	Yes	
808	1 GFCI	7.3	10	No	
809C	2 GFCI	6.5	10	Yes	
809	2 GFCI	7.3	10	No	
810C	30-50A Receptacle 2.141" dia.	6.5	10	Yes	
811C	30A locking 1.719" dia.	6.5	10	Yes	
812C	20A Receptacle 1.594" dia.	6.5	10	Yes	
813C	30-60A Receptacle 2.625" dia.	6.5	10	Yes	
814C	1 GFCI & 1 toggle switch	6.5	10	Yes	
814	1 GFCI & 1 toggle switch	7.3	10	No	
815C	1 Receptacle, 2.165" dia. hole, offset	6.5	10	Yes	
816C	1 Receptacle, 2.480" dia. hole	6.5	10	Yes	
817C	1 Receptacle, 2.275" dia. hole	6.5	10	Yes	
830C	1 Receptacle, 2.55" dia. hole	6.5	10	Yes	
831C	1 Duplex, 1 20A Twist Lock® 1.620" dia.	6.5	10	Yes	
902C	1 Duplex receptacle	6.5	10	Yes	
906C	1 Dup. & 1 toggle switch	6.5	10	Yes	
907C	2 Duplex receptacles	6.5	10	Yes	
915C	1 GFCI & 1 duplex receptacle	6.5	10	Yes	
915	GFCI & 1 duplex receptacle	7.3	10	No	



## A32

## 4-11/16" SQUARE BOXES

## 1-1/2" AND 2-1/8" DEEP

RACO STEEL BOXES  
& COVERS

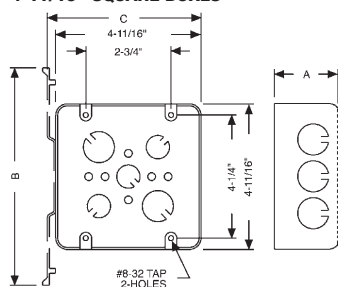
## Applications

- 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)

## Product Features

- Reference Box Selection section in the front of this catalog for complete description of bracket and clamp 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. Barbed hooks dig into the flat side of 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

## 4-11/16" SQUARE BOXES



## Compliances

- UL – File E195978

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



## ORDERING INFORMATION - DIMENSIONS

## 4-11/16" SQUARE BOXES – 1-1/2" DEEP – DRAWN WITH CONDUIT KO'S – 29.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	RAISED GROUND PROVISION	UPC BAR CODE
		SIDES COND.	BOTTOM COND.			
245	—	12-1/2"	3-1/2", 2-3/4"	25	—	—
246	—	10-3/4"	3-1/2", 2-3/4"	25	—	—
247	—	8-1/2", 4-3/4"	3-1/2", 2-3/4"	25	—	—

## 4-11/16" SQUARE BOXES – 2-1/8" DEEP – WELDED WITH CONDUIT KO'S – 42.0 CUBIC INCHES

CAT. NUMBER	DESCR. BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UBS SUP-PORT	PIG-TAIL	RSD. GRND. PRVSN.	UPC BAR CODE
		SIDES COND.	BOTTOM COND.					
600V 257	—	12-TKO®	1-1/2", 3-TKO®	25	No	—	Yes	—
600V 8257	—	12-TKO®	1-1/2", 3-TKO®	25	No	—	Yes	
600V 257F	—	12-TKO®	1-1/2", 3-TKO®	20	Yes	Yes	Yes	—
600V 257H	HM	12-TKO®	1-1/2", 3-TKO®	20	Yes	Yes	Yes	—
600V 257HS*	HM	12-TKO®	1-1/2", 3-TKO®	20	Yes	Yes	Yes	—
600V 257M	HM	12-TKO®	1-1/2", 3-TKO®	20	Yes	Yes	Yes	—
600V 257SM	—	12-TKO®	1-1/2", 3-TKO®	25	No	Yes	Yes	
600V 258	—	8-1"	1-1/2", 3-TKO®	25	No	—	Yes	—
600V 258SM	—	8-1"	1-1/2", 3-TKO®	25	No	Yes	Yes	
600V 259	—	6-1-1/4"	1-1/2", 3-TKO®	25	No	—	Yes	—
600V 265	—	4-3/4", 4-1"	1-1/2", 3-TKO®	25	No	—	Yes	—
600V 8265	—	4-3/4", 4-1"	1-1/2", 3-TKO®	25	No	—	Yes	
600V 254	FM brkt.	9-TKO®	1-1/2", 3-TKO®	25	No	—	Yes	
600V 266	BOX-LOC®	9-TKO, MS flsh.	1-1/2", 3-TKO®	25	No	—	Yes	
600V 911-12	—	12-TKO®	1-1/2", 2-3/4", 2-TKO	25	No	—	No	—

\*Box has stranded pigtail assembled

## 4-11/16" SQUARE BOXES – 2-1/8" DEEP – WELDED WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 42.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG. CODE	UPC BAR
		SIDES CABLE	BOTTOM COND.		
600V 252	—	4	6-TKO	1-1/2"	25

## DIMENSIONS

CATALOG NUMBER	A (INSIDE)	B	C
245, 246, 247	1-1/2"	—	—
257H, 257HS, 257M	2-1/8"	—	—
266	2-1/8"	4-5/8"	6-3/16"
254	2-1/8"	7-5/8"	5-1/16"
252, 257, 8257, 257F, 257SM, 258, 258SM, 259, 265, 8265	2-1/8"	—	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)





**4-11/16" SQUARE COVERS AND EXTENSIONS****1-1/2" DEEP AND 2-1/8" DEEP****Applications**

- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit
- Covers are used to close an outlet box
- Raised device covers are used for mounting switches or receptacles

**Product Feature**

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

**Compliances**

-  – File E195978
-  – File LR-1082


**RACO STEEL BOXES  
& COVERS**
**ORDERING INFORMATION - DIMENSIONS****4-11/16" SQUARE EXTENSION – 1-1/2" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 29.5 CUBIC INCHES**

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	STD. PKG.
		SIDE COND.	BOTTOM COND.		
250	—	8-1/2", 4-3/4"	—	25	

**4-11/16" SQUARE EXTENSION – 2-1/8" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 43.0 CUBIC INCHES**

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	STD. PKG.
		SIDE COND.	BOTTOM COND.		
262	—	8-1/2", 4-3/4"	—	25	

**4-11/16" SQUARE COVERS**

CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
832	Flat, blank	—	50	
833	Flat, 1/2" KO centered	—	50	
8833-5	Flat, 1/2" KO centered	—	50*	
911-11	Red, Flat, blank	—	50	—

\*5 Bundles of 10

**4-11/16" SQUARE FIXTURE COMBINATION DEVICE AND TILE COVERS – SINGLE DEVICE**

CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
829	Raised 1/2", open, ears 2-3/4" O.C.	3.0	25		—	50
835	Raised 5/8", open, ears 2-3/4" O.C.	4.0	25	—	—	50
837	Raised 1/2"	3.5	25	—	—	—
8837	Raised 1/2"	3.5	25		—	—
843	Raised 5/8"	4.5	25		—	—
838	Raised 3/4"	5.5	25	—	—	—
839	Raised 1"	7.5	25	—	—	—
842	Raised 1-1/4"	9.5	25	—	—	—
898	Raised 1-1/2"	11.0	20	—	—	—
899	Raised 2"	16.0	20	—	—	—




**A34****4-11/16" SQUARE COVERS****RACO STEEL BOXES  
& COVERS****Applications**

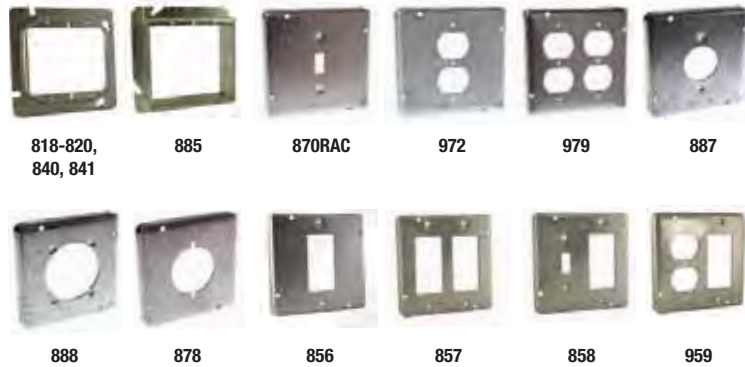
- Raised device covers are for mounting switches or receptacles
- Exposed work covers are used to support switches or receptacles independent of the box

**Product Features**

- RACO® exposed work covers meet the requirements of the 2008 NEC Article 250.146 (A). No bonding jumper is required for covers with (1) flat corners (2) two or more device attachment screws and (3) a lockwasher or equivalent
- RACO® exposed work covers include required hardware needed for mounting the device(s)
- Hardware and cover are packed in a poly-bag printed with catalog number, compliances and installation instructions

**Compliances**

-  – File E195978
-  – File LR-1082

**ORDERING INFORMATION - DIMENSIONS****4-11/16" SQUARE COMBINATION DEVICE AND TILE COVERS – TWO DEVICE**

CATALOG NUMBER	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
841	Raised 1/2"	5.5	25	
818	Raised 5/8"	7.3	25	—
840	Raised 3/4"	8.8	25	—
819	Raised 1"	12.0	25	—
820	Raised 1-1/4"	15.0	25	—
885	Raised 1-1/2"	15.5	20	—

**4-11/16" SQUARE SURFACE COVERS – RAISED 1/2"**

CATALOG NUMBER	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
856	1 Decorator dev. or GFCI	10.3	10	
857	2 Decorator dev. or GFCI	10.3	10	
858	1 Toggle & 1 GFCI	10.3	10	
870RAC	1 Toggle switch	10.3	10	
878	30-50A Receptacle 2.141" dia.	10.3	10	
887	20A Receptacle 1.594" dia.	10.3	10	
888	30-60A Receptacle 2.625" dia.	10.3	10	
959	1 Duplex & 1 GFCI	10.3	10	
972	1 Duplex receptacle	10.3	10	
979	2 Duplex receptacles	10.3	10	



## HANDY BOXES

## 1-1/2" AND 1-7/8" DEEP

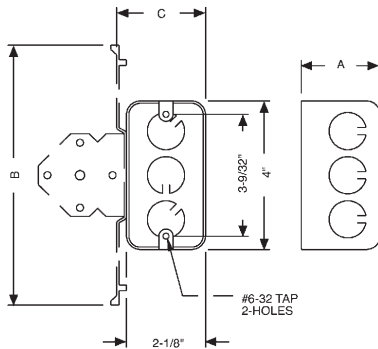
## Applications

- 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 Box Selection section in the front of this catalog for complete description of bracket types and features

## STEEL HANDY BOXES



## Compliances

- – File E195978
- – File LR-1082 (611 only)

RACO STEEL BOXES  
& COVERS

## ORDERING INFORMATION - DIMENSIONS

4" x 2" HANDY BOXES – 1-1/2" DEEP (INSIDE) – WELDED WITH CONDUIT KO'S – 11.5 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	PIG-TAIL	RSD. GRND. PRVSN.	UPC BAR CODE
		SIDES	ENDS	BOTTOM				
650	—	6-1/2"	2-1/2"	3-1/2"	50	—	—	—
8650	—	6-1/2"	2-1/2"	3-1/2"	50	—	—	
655	B brkt., 1/4"	3-1/2"	2-1/2"	3-1/2"	50	—	—	—

4" x 2" HANDY BOXES – 1-7/8" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 13.0 CUBIC INCHES								
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	PIG-TAIL	RSD. GRND. PRVSN.	UPC BAR CODE
		SIDES	ENDS	BOTTOM				
611	Ground screw incl.	6-1/2"	2-1/2"	2-1/2"	50	No	Yes	—
660	—	6-1/2"	2-1/2"	2-1/2"	50	No	Yes	—
8660	—	6-1/2"	2-1/2"	2-1/2"	50	No	Yes	
660SM	—	6-1/2"	2-1/2"	2-1/2"	50	Yes	Yes	
661	A brkt., 5/8"	3-1/2"	2-1/2"	2-1/2"	50	No	Yes	
662	TS brkt., 1/2"	3-1/2"	2-1/2"	2-1/2"	50	No	Yes	
663	—	4-3/4"	2-3/4"	1-3/4"	50	No	Yes	—
8663	—	4-3/4"	2-3/4"	1-3/4"	50	No	Yes	
663SM	—	4-3/4"	2-3/4"	1-3/4"	50	Yes	Yes	

3-3/4" x 1-9/16" INDUSTRIAL HANDY BOX & COVER – 1-1/2" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 7.3 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
640	—	6-1/2"	2-1/2"	3-1/2"	50	—
880	Blank cover & captive screws	—	—	—	50	—

DIMENSIONS			
CATALOG NUMBER	A	B	C
661	1-7/8"	6-7/16"	2-11/32"
662	1-7/8"	7"	2-3/8"
655	1-1/2"	1-31/32"	4"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)

## A36

## HANDY BOXES

## 2-1/8" DEEP

RACO STEEL BOXES  
& COVERS

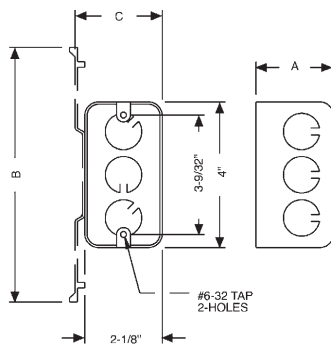
## Applications

- 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 Box Selection section in the front of this catalog for complete description of bracket types and features

## STEEL HANDY BOXES



## Compliances

- UL – File E195978



All RACO® Handy Box, U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



670RAC, 8670



674



678



671

## ORDERING INFORMATION - DIMENSIONS

## 4" x 2" HANDY BOXES – 2-1/8" DEEP (INSIDE) – WELDED WITH CONDUIT KO'S – 16.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	RAISED GROUNDING PROVISION	UPC BAR CODE
		SIDES	ENDS	BOTTOM			
670RAC	—	6-1/2"	2-1/2"	3-1/2"	50	—	—
8670	—	6-1/2"	2-1/2"	3-1/2"	50	—	
674	—	4-3/4"	2-3/4"	2-3/4"	50	—	
678	TS brkt., 1/2	3-1/2"	2-1/2"	3-1/2"	50	—	
671	A brkt., 5/8"	3-1/2"	2-1/2"	3-1/2"	50	—	

## DIMENSIONS

CATALOG NUMBER	A	B	C
670RAC, 8670	2-1/8"	—	—
674	2-1/8"	—	—
678	2-1/8"	7"	2-3/8"
671	2-1/8"	6-7/16"	2-11/32"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)





## HANDY BOX COVERS AND EXTENSION



## Applications

- Handy Box covers are used to close a Handy Box
- Covers also may be used as single-gang wall plates
- Extension rings provide a means for adding additional cubic capacity or as an outlet box for surface conduit

## Product Features

- RACO® Handy Box covers are designed to match the contours of the box
- Cover corners are rounded
- All covers have captive screws

## Compliances

-  – File E195978 (Cat. #861 not UL Listed)
-  – File LR-1082 (Covers only)



860

861

865

864

863, 867

653

665

RACO STEEL BOXES  
& COVERS

## ORDERING INFORMATION - DIMENSIONS

## 4" x 2" HANDY BOX COVERS – 2-5/16" WIDE x 4-3/16" LENGTH

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
860	Blank	25	
861	1/2" KO centered	25	
865	Toggle switch	25	
864	Duplex receptacle	25	
863	Single receptacle 1.406" dia.	25	
867	20A Receptacle 1.594" dia.	25	

## 4" x 2" HANDY BOX EXTENSION – 1-1/2" DEEP (INSIDE) – WELDED WITH CONDUIT KO'S – 11.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
653	—	6-1/2"	2-1/2"	—	25	

## 4" x 2" HANDY BOX EXTENSION – 1-7/8" DEEP (INSIDE) – DRAWN WITH CONDUIT KO'S – 13.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
665	—	6-1/2"	2-1/2"	—	50	



## A38

## SWITCH BOXES

## SINGLE GANG - 1" DEEP

RACO STEEL BOXES  
& COVERS

## Application

- Shallow switch boxes are made for use with furring strips and 1/4" paneling

## Product Features

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

## Compliances

- UL – File E195978 (Cat. #404 and #405 not UL Listed)



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



404



405



418

## ORDERING INFORMATION - DIMENSIONS

## 3-3/4" x 2" SWITCH BOXES – 1" DEEP – NONGANGABLE – WITH NONMETALLIC SHEATHED CABLE CLAMPS – 6.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS				STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS		BOTTOM COND.		
			CABLE	COND.			
404	Q clamp, 1/4"	—	2	1-1/2"	—	25	
405	Q clamp, 1/4"	—	4	—	—	25	

## 4" x 4" SWITCH BOX – 1" DEEP – NONGANGABLE – WITH NONMETALLIC SHEATHED CABLE CLAMPS – 14.8 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS				STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS		BOTTOM COND.		
			CABLE	COND.			
418	(2) Q clamp, 1/4"	—	4	2-1/2"	—	25	



## SWITCH BOXES

### SINGLE GANG - 1-1/2" AND 2" DEEP

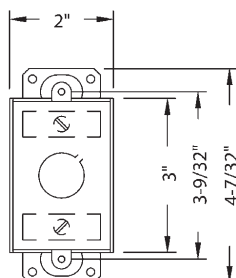
#### Application

- 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

#### STEEL SWITCH BOXES



#### Compliances

- UL – File E195978



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



400



410



420, 8420



445

RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

3" x 2" SWITCH BOX – 1-1/2" DEEP – GANGABLE WITH CONDUIT KO'S – 7.5 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
400	Ears	—	2-1/2"	1-1/2"	20	

3" x 2" SWITCH BOX – 1-1/2" DEEP – NONGANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 7.5 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE COND.	BOTTOM COND.		
410	Ears	—	4	—	50	

3" x 2" SWITCH BOX – 2" DEEP – GANGABLE WITH CONDUIT KO'S – 10.0 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
420	Ears	4-1/2"	2-1/2"	2-1/2"	50	—
8420	Ears	4-1/2"	2-1/2"	2-1/2"	50	

3" x 2" SWITCH BOX – 2" DEEP – GANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 10.0 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE COND.	BOTTOM COND.		
445	Ears	—	4	1-1/2"	50	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



## A40

## SWITCH BOXES

## SINGLE GANG - 2", 2-1/8" AND 2-1/4" DEEP

RACO STEEL BOXES  
& COVERS

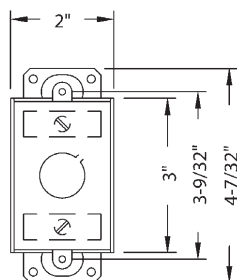
## Application

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

## Product Features

- Gangable boxes offer the option of constructing a box to hold two or more devices
- Beveled corner boxes are designed to prevent the clamp screws from protruding into back wall
- Plaster ears allow box to be used in "old work" applications
- Reference box selection section in the front of this catalog for complete description of clamp types and features

## STEEL SWITCH BOXES



## Compliance

- UL – File E195978 (Cat. #513 not UL Listed)



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



440



513



471, 8471



473



487

## ORDERING INFORMATION - DIMENSIONS

## 3" x 2" SWITCH BOX – 2" DEEP – GANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 10.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE COND.	BOTTOM COND.		
440	Ears	—	4	—	50	—

## 3" x 2" SWITCH BOX – 2-1/8" DEEP – NONGANGABLE – "SNAP IN CLIP" "OLD WORK" WITH CONDUIT KO'S – 11.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
513	Old Work With Snap In Clips And Ears	4-1/2"	2-1/2"	2-1/2"	24	

## 3" x 2" SWITCH BOXES – 2-1/4" DEEP – GANGABLE – BEVELED CORNERS WITH NONMETALLIC SHEATHED CABLE CLAMPS – 10.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE COND.	BOTTOM COND.		
471	One screw, Ears	—	4	—	50	—
8471	One screw, Ears	—	4	—	50	
473	Level bumps	—	4	2-1/2"	20	
487	Old work, Tigergrasp®	—	4	—	20	





## SWITCH BOXES

### SINGLE GANG - 2-1/2" DEEP

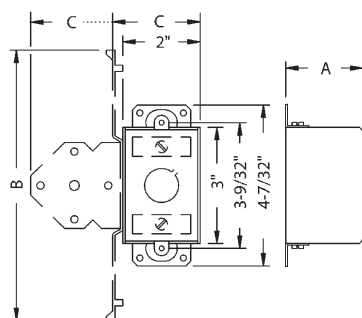
#### Application

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

#### Product Features

- Reference 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 the box to be used in "old work" applications

#### STEEL SWITCH BOXES



#### Compliance

- UL – File E195978



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

#### 3" x 2" SWITCH BOXES – 2-1/2" DEEP – GANGABLE WITH CONDUIT KO'S – 12.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
500	Ears	4-1/2"	2-1/2"	2-1/2"	50	—
8500	Ears	4-1/2"	2-1/2"	2-1/2"	25	
501	Without ears	4-1/2"	2-1/2"	2-1/2"	50	
502	B brkt., 5/8"	4-1/2"	2-1/2"	2-1/2"	10	—
503	Ears	4-1/2"	2-3/4"	2-1/2"	50	—
504	TS brkt., 1/2"	2-1/2"	2-1/2"	2-1/2"	50	—
8504	TS brkt., 1/2"	2-1/2"	2-1/2"	2-1/2"	20	
505	TS brkt., 1/2"	2-1/2"	2-3/4"	2-1/2"	50	—
506	Old work, Tigergrip®	—	2-1/2"	2-1/2"	20	
509	Old work	—	2-1/2"	2-1/2"	20	

#### 3" x 2" SWITCH BOX – 2-1/2" DEEP – NONGANGABLE WITH CONDUIT KO'S – 12.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	SIDES COND.	KNOCKOUTS		BOTTOM COND.	STD. PKG.	UPC BAR CODE
			CABLE	COND.			
508	Old work, 3/4" sheet rock max.	—	—	2-1/2"	—	20	

#### DIMENSIONS

CATALOG NUMBER	A	B	C
500, 8500	2-1/2"	—	—
501	2-1/2"	—	—
502	2-1/2"	1-31/32"	4"
503	2-1/2"	—	—
504, 8504	2-1/2"	7"	2-13/64"
505	2-1/2"	7"	2-13/64"
506	2-1/2"	—	—
508	2-1/2"	—	—
509	2-1/2"	—	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



## A42

## SWITCH BOXES

## SINGLE GANG - 2-1/2" DEEP WITH NONMETALLIC CABLE CLAMPS

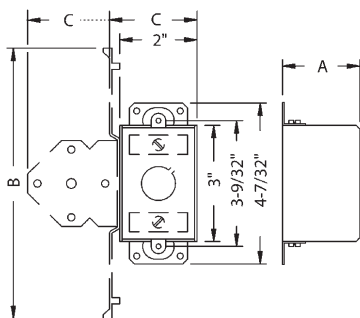
## RACO STEEL BOXES &amp; COVERS

**Application**

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

**Product Features**

- Reference Box Selection section in the front of this catalog for complete description of bracket and clamp 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

**STEEL SWITCH BOXES****Compliance**

- UL – File E195978



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)

**ORDERING INFORMATION - DIMENSIONS**

3" x 2" SWITCH BOXES – 2-1/2" DEEP – GANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 12.5 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDE COND.	ENDS CABLE	BOTTOM COND.		
512	Ears, Old work	—	4	—	1-1/2"	20
517	Ears, Old work, Tigergrip®	—	4	—	1-1/2"	20
519	Ears	—	4	—	1-1/2"	50
8519	Ears	—	4	—	1-1/2"	50
528	Level bumps	—	4	2-1/2"	1-1/2"	50
8528	Level bumps	—	4	2-1/2"	1-1/2"	25
529	LB brkt., 5/8"	—	4	2-1/2"	1-1/2"	20
531	TS brkt., 1/2"	—	4	2-1/2"	1-1/2"	50
8531	TS brkt., 1/2"	—	4	2-1/2"	1-1/2"	50
540	B brkt., 1/4"	—	4	2-1/2"	1-1/2"	50

3" x 2" SWITCH BOXES – 2-1/2" DEEP – NONGANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 12.5 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDE COND.	ENDS CABLE	BOTTOM COND.		
545	Ears, Old work, 3/4" sheet rock max.	—	4	2-1/2"	—	20
596	Without ears	—	4	2-1/2"	—	50

DIMENSIONS			
CATALOG NUMBER	A	B	C
512	2-1/2"	—	—
517	2-1/2"	—	—
519, 8519	2-1/2"	—	—
528, 8528	2-1/2"	—	—
529	2-1/2"	1-31/32"	5-3/64"
531, 8531	2-1/2"	7"	2-13/64"
540	2-1/2"	1-31/32"	4"
545	2-1/2"	—	—
596	2-1/2"	—	—



## SWITCH BOXES

### SINGLE GANG - 2-1/2" DEEP WITH ARMORED CABLE CLAMPS

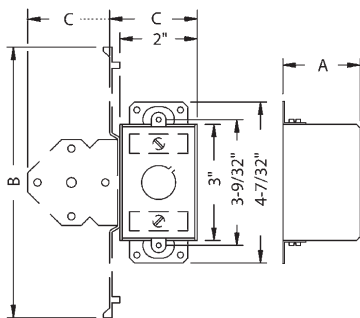
#### Application

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

#### Product Features

- Reference Box Selection section in the front of this catalog for complete description of bracket and clamp 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

#### STEEL SWITCH BOXES



#### Compliance

- UL – File E195978



All RACO® single gang, two gang 4" square, and single gang gangable boxes U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



518, 8518

524,  
8524

522, 8522

523, 8523

526

RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

#### 3" x 2" SWITCH BOXES – 2-1/2" DEEP – GANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 12.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE	BOTTOM COND.		
518	Ears	—	4	—	1-1/2"	50
8518	Ears	—	4	—	1-1/2"	50
522	LB brkt., 5/8"	—	4	2-1/2"	1-1/2"	50
8522	LB brkt., 5/8"	—	4	2-1/2"	1-1/2"	50
523	Ears, Old work, Griptite	—	4	—	1-1/2"	—
8523	Ears, Old work, Griptite	—	4	—	1-1/2"	—
524	TS brkt., 1/2"	—	4	2-1/2"	1-1/2"	50
8524	TS brkt., 1/2"	—	4	2-1/2"	1-1/2"	50

#### 3" x 2" SWITCH BOX – 2-1/2" DEEP – NONGANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 12.5 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE	BOTTOM COND.		
526	Ears, Old work, 3/4" sheet rock max.	—	4	—	20	—

#### DIMENSIONS

CATALOG NUMBER	A	B	C
518, 8518	2-1/2"	—	—
522, 8522	2-1/2"	1-31/32"	5-3/64"
523, 8523	2-1/2"	—	—
524, 8524	2-1/2"	7"	2-13/64"
526	2-1/2"	1-3/8"	3-13/32"



## A44

## SWITCH BOXES

## SINGLE GANG - 2-3/4" AND 2-27/32" DEEP

RACO STEEL BOXES  
& COVERS

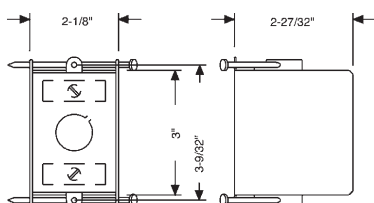
## Application

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

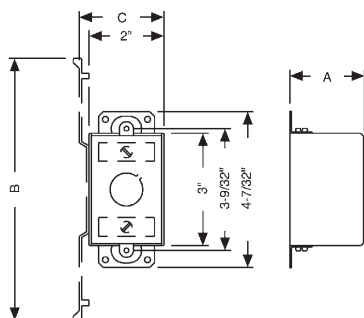
## Product Features

- RACO® 353, 355 and 8355 are extra-wide for ease of GFCI device installation
- Reference Box Selection section in the front of this catalog for complete description of bracket and clamp types and features
- Plaster ears allow the box to be used in "old work" applications

## CAT. NO. 353, 355, 8355



## STEEL SWITCH BOXES



## Compliance

- UL – File E195978



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



## ORDERING INFORMATION - DIMENSIONS

## 3" x 2-1/8" SWITCH BOX – 2-27/32" DEEP – NONGANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 15.8 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE COND.	BOTTOM COND.		
353	S brkt., Nails	—	4	—	50	

## 3" x 2-1/8" SWITCH BOX – 2-27/32" DEEP – NONGANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 15.8 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS CABLE COND.	BOTTOM COND.		
355	S brkt., Nails	—	4	—	50	—
8355	S brkt., Nails	—	4	—	20	

## 3" x 2" SWITCH BOXES – 2-3/4" DEEP – GANGABLE WITH CONDUIT KO'S – 14.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
560	Ears	4-1/2"	2-1/2"	2-1/2"	50	—
8560	Ears	4-1/2"	2-1/2"	2-1/2"	50	
565	Ears	4-3/4"	2-3/4"	2-1/2"	50	—
561	Without ears	4-1/2"	2-1/2"	2-1/2"	50	—
562	TS brkt., 1/2"	2-1/2"	2-1/2"	2-1/2"	50	—

## DIMENSIONS

CATALOG NUMBER	A	B	C
560, 8560	2-3/4"	—	—
561	2-3/4"	—	—
562	2-3/4"	7"	2-13/64"
565	2-3/4"	—	—



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)





## SWITCH BOXES

### SINGLE GANG - 2-3/4" DEEP

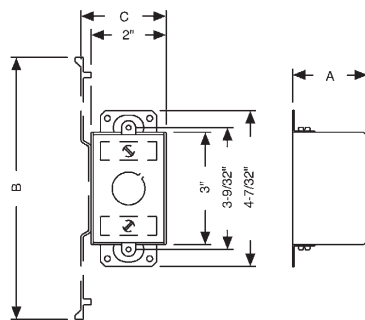
#### Application

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

#### Product Features

- Reference Box Selection section in the front of this catalog for complete description of bracket and clamp types and features
- Plaster ears allow the box to be used in "old work" applications

#### STEEL SWITCH BOXES



#### Compliances

- UL – File E195978

All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



567

564

570RAC

574

RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

#### 3" x 2" SWITCH BOXES – 2-3/4" DEEP – GANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 14.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS				STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS		BOTTOM COND.		
567	Ears	4-1/2"	CABLE 4	COND. 2-1/2"	1-1/2"	50	
564	TS brkt., 1/2"	2-1/2"	CABLE 4	COND. 2-1/2"	1-1/2"	50	

#### 3" x 2" SWITCH BOXES – 2-3/4" DEEP – GANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 14.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS				STD. PKG.	UPC BAR CODE
		SIDES COND.	ENDS		BOTTOM COND.		
570RAC	Ears	4-1/2"	CABLE 4	COND. 2-1/2"	1-1/2"	50	—
574	TS brkt., 1/2"	2-1/2"	CABLE 4	COND. 2-1/2"	1-1/2"	25	

#### DIMENSIONS

CATALOG NUMBER	A	B	C
567	2-3/4"	—	—
564	2-3/4"	7"	2-13/64"
570RAC	2-3/4"	—	—
574	2-3/4"	7"	2-13/64"



## A46

## SWITCH BOXES

## SINGLE GANG - 3-1/2" DEEP

RACO STEEL BOXES  
& COVERS

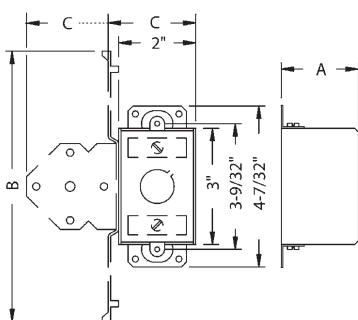
## Application

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

## Product Features

- Reference Box Selection section in the front of this catalog for complete description of bracket and clamp types and features
- Gangable switch boxes offer the option of constructing a box to hold two or more devices
- Plaster ears allow the box to be used in "old work" applications

## STEEL SWITCH BOXES



## Compliance

- UL – File E195978



All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



## ORDERING INFORMATION - DIMENSIONS

## 3" x 2" SWITCH BOXES – 3-1/2" DEEP – GANGABLE WITH NONMETALLIC SHEATHED CABLE CLAMPS – 18.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS				STD. PKG.	UPC BAR CODE
		SIDES	ENDS		BOTTOM		
		COND.	CABLE	COND.	COND.		
601	Ears	4-1/2"	4	2-1/2"	1-1/2"	25	—
8601	Ears	4-1/2"	4	2-1/2"	1-1/2"	25	
603	B brkt., 5/8"	4-1/2"	4	2-1/2"	1-1/2"	25	—
605	TS brkt., 1/2"	4-1/2"	4	2-1/2"	1-1/2"	25	

## 3" x 2" SWITCH BOXES – 3-1/2" DEEP – GANGABLE WITH ARMORED CABLE/METAL CLAD/FLEX CLAMPS – 18.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS				STD. PKG.	UPC BAR CODE
		SIDES	ENDS		BOTTOM		
		COND.	CABLE	COND.	COND.		
600	Ears	4-1/2"	4	2-1/2"	1-1/2"	25	—
604	TS brkt., 1/2"	4-1/2"	4	2-1/2"	1-1/2"	25	

## 3" x 2" SWITCH BOXES – 3-1/2" DEEP – GANGABLE WITH CONDUIT KO'S – 18.0 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM		
590	Ears	4-1/2"	4-1/2"	1-1/2"	50	—
8590	Ears	4-1/2"	4-1/2"	1-1/2"	25	
591	Ears	4-3/4"	4-3/4"	1-1/2"	50	
592	Without ears	4-1/2"	4-1/2"	1-1/2"	50	—

## DIMENSIONS

CATALOG NUMBER	A	B	C
590, 8590	3-1/2"	—	—
591	3-1/2"	—	—
592	3-1/2"	—	—
600	3-1/2"	—	—
601, 8601	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"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)

## SWITCH BOXES AND WALL PLATES

## TWO GANG, 2-1/8" DEEP

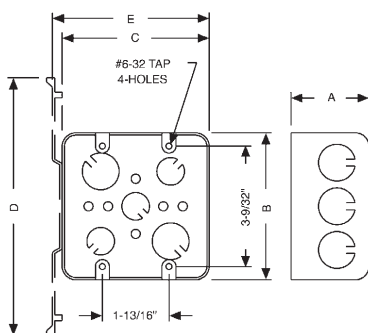
## Applications

- 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 Box Selection section in the front of this catalog for complete description of bracket and clamp types and features
- Covers are unpainted and manufactured from pre-galvanized steel

## TWO GANG SWITCH BOXES



## Compliance

- – File E195978

All RACO® single gang, two gang, 4" square, and single gang gangable U.L. listed steel boxes are acceptable for use in 2-hour fire rated walls. For additional information, consult U.L. "Fire Resistance Directory" or the U.L. website at [www.ul.com](http://www.ul.com)



RACO STEEL BOXES &amp; COVERS

## ORDERING INFORMATION - DIMENSIONS

## 4" SQUARE TWO DEVICE SWITCH BOX – 2-1/8" DEEP – DRAWN WITH CONDUIT KO'S – 30.3 CUBIC INCHES

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS		STD. PKG.	UPC BAR CODE
		SIDES	BOTTOM		
680	—	12-1/2"	5-1/2"	25	
681	TS brkt., 1/2"	9-1/2"	5-1/2"	25	
683	—	8-1/2", 4-3/4"	3-1/2", 2-3/4"	25	
685	TS brkt., 1/2"	6-3/4"	3-1/2", 2-3/4"	25	

## 4" SQUARE – TWO-DEVICE WALL PLATES\*

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
871	2 Toggle switches	25	
872	1 Dup. & 1 Toggle switch	25	
873	2 Duplex receptacles	25	

\*Cover face surface is 1/4" from wall when installed

## DIMENSIONS

CATALOG NUMBER	A	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"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



## A48

## SWITCH BOXES AND PARTITIONS

## MULTI-GANG - 2-1/2" DEEP

RACO STEEL BOXES  
& COVERS

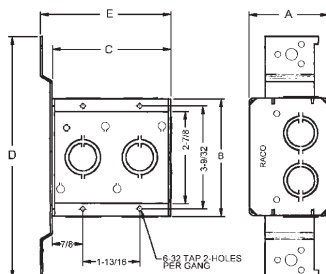
## Applications

- Installers can save time and cut installation costs with multi-gang switch boxes
- These larger capacity boxes are ideal for today's designs where there is a need to install more than two devices at one location

## Product Features

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

## MULTI-GANG SWITCH BOXES



## Compliance

- – File E195978 (Cat. #971 not UL Listed)



686



687



971

## ORDERING INFORMATION - DIMENSIONS

## MULTI-DEVICE SWITCH BOXES – 2-1/2" DEEP – WELDED WITH CONDUIT KO'S

CATALOG NUMBER	DESCRIPTION BRACKET & SETBACK	KNOCKOUTS			CU. IN. CAP.	STD. PKG.	UPC BAR CODE
		ENDS	SIDES	BOTTOM			
686	3-Gang 1/2" setback	2-1/2", 2-3/4"	6-1/2", 6-3/4"	3-1/2", 3-3/4"	47.8	10	
687	4-Gang 1/2" setback	2-1/2", 2-3/4"	8-1/2", 8-3/4"	4-1/2", 4-3/4"	63.5	10	
971	Low voltage partition	—	—	—	—	25	—

## DIMENSIONS

CATALOG NUMBER	A	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"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)





## GANG BOXES

### 1-5/8" AND 2-1/2" DEEP

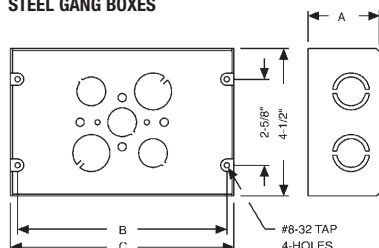
#### Application

- Gang boxes are used where a number of wiring devices are to be centrally located

#### Product Features

- Gang boxes save time in installation, no need to gang boxes together
- Have 1/2" and 3/4" concentric KO's for use with a wide variety of wiring methods
- Bottom KO pattern, 3-1/2" and 2-3/4" at either end of box
- Accept two styles of covers, flat and 3/4" raised device cover
- Device covers also fit next smaller box, i.e. three-gang cover fits two or three-gang box
- Use low voltage partitions #974 or #949

#### STEEL GANG BOXES



#### Compliance

- UL – File E195978



941 through 945



951 through 958

RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

GANG BOXES – 1-5/8" & 2-1/2" DEEP – WELDED WITH CONDUIT KO'S							
CATALOG NUMBER	NO. OF GANGS	KNOCKOUTS			CU. IN.	STD. PKG.	UPC BAR CODE
		TOP &* BOTTOM	SIDES*	BACK			
941	2	4-3/4", 4-conc.	4-conc.	3-1/2", 2-3/4"	70.0	5	
942	3	8-3/4", 2-conc.	4-conc.	6-1/2", 4-3/4"	90.0	5	
943	4	4-3/4", 4-conc.	4-conc.	6-1/2", 4-3/4"	110.0	5	
944	5	6-3/4", 4-conc.	4-conc.	6-1/2", 4-3/4"	130.0	5	
945	6	6-3/4", 6-conc.	4-conc.	6-1/2", 4-3/4"	150.0	1	
951	2	8-conc.	4-conc.	3-1/2", 2-3/4"	47.0	5	—
952	3	10-conc.	4-conc.	6-1/2", 4-3/4"	60.0	5	
953	4	12-conc.	4-conc.	6-1/2", 4-3/4"	72.8	5	
954	5	14-conc.	4-conc.	6-1/2", 4-3/4"	85.8	5	—
955	6	16-conc.	4-conc.	6-1/2", 4-3/4"	98.5	1	—
956	7	18-conc.	4-conc.	6-1/2", 4-3/4"	111.5	1	—
957	8	20-conc.	4-conc.	6-1/2", 4-3/4"	124.5	1	—
958	9	22-conc.	4-conc.	6-1/2", 4-3/4"	137.3	1	—

\*1-5/8" deep boxes, concentric KO's are 1/2" & 3/4" \*2-1/2" deep boxes, concentric KO's are 3/4" & 1"

DIMENSIONS				
CATALOG NUMBER	NO. OF GANGS	A	B	C
941	2	2-1/2"	6-3/8"	6-13/16"
942	3	2-1/2"	8-3/16"	8-5/8"
943	4	2-1/2"	10"	10-7/16"
944	5	2-1/2"	11-13/16"	12-1/4"
945	6	2-1/2"	13-5/8"	14-1/16"
951	2	1-5/8"	6-3/8"	6-13/16"
952	3	1-5/8"	8-3/16"	8-5/8"
953	4	1-5/8"	10"	10-7/16"
954	5	1-5/8"	11-13/16"	12-1/4"
955	6	1-5/8"	13-5/8"	14-1/16"
956	7	1-5/8"	15-7/16"	15-7/8"
957	8	1-5/8"	17-1/4"	17-11/16"
958	9	1-5/8"	19-1/16"	19-1/2"



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)



## A50

## COVERS AND PARTITIONS

**Application**

- Gang box covers permit the mounting of devices

**Product Feature**

- Device covers also fit next smaller box, i.e. three gang cover fits two or three gang box

**Compliance**

- UL – File E195978 (Cat. #974 and 949 not UL Listed)



846



823



974



949

**ORDERING INFORMATION - DIMENSIONS****FLAT, BLANK COVERS FOR GANG BOXES**

CATALOG NUMBER	NO. OF GANGS	WIDTH	CU. IN.	STD. PKG.	UPC BAR CODE
844	2	7-1/16"	—	5	—
845	3	8-7/8"	—	5	—
846	4	10-11/16"	—	5	—
847	5	12-1/2"	—	1	—
848	6	14-5/16"	—	1	—
849	7	16-1/8"	—	1	—
850	8	17-15/16"	—	1	—
851	9	19-3/4"	—	1	—

**DEVICE COVERS FOR GANG BOXES RAISED 3/4"**

CATALOG NUMBER	NO. OF GANGS	WIDTH	CU. IN.	STD. PKG.	UPC BAR CODE
821	2	7-1/16"	10.0	5	—
822	3	8-7/8"	15.3	5	
823	4	10-11/16"	20.3	5	
824	5	12-1/2"	25.5	5	—
825	6	14-5/16"	30.5	1	—
826	7	16-1/8"	35.5	1	—
827	8	17-15/16"	40.8	1	—
828	9	19-3/4"	45.8	1	—

**LOW VOLTAGE PARTITION FOR GANG BOXES**

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
974	For 1-5/8" Deep	25	—
949	For 2-1/2" Deep	25	—



## STEEL CONCRETE RINGS

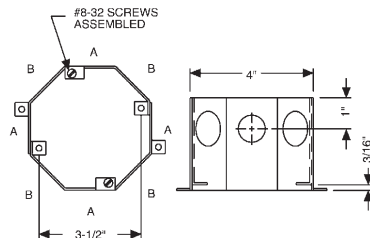
## Applications

- 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

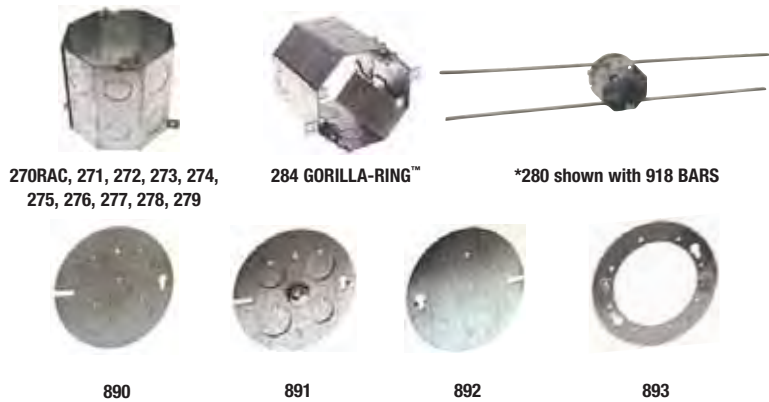
- Flat sides provide excellent contact for locknuts
- External ears are used to nail the ring to the wood form
- The top cover is removable for before-pour work
- Ears on inside of box are for fixtures
- Waxed fixture ears prevent concrete from interfering with the threads
- Variety of cover plates are available
- Cover plate must be ordered separately with all (except 280 which includes a 891 cover) RACO® concrete rings

## STEEL CONCRETE RINGS



## Compliance

- UL – File E195978



RACO STEEL BOXES &amp; COVERS

## ORDERING INFORMATION - DIMENSIONS

CONCRETE RINGS								
CATALOG NUMBER	DEPTH	KO SIZES	NO. ROWS KO'S	CU. IN.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOAD	
							CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
270RAC	2"	1/2" & 3/4"	Single	24.5	25	—	No	50
271	2-1/2"	1/2" & 3/4"	Single	30.8	25	—	No	50
272	3"	1/2" & 3/4"	Single	37.0	25	—	No	50
277	3"	3/4" & 1"	Single	37.0	25	—	No	50
273	3-1/2"	1/2" & 3/4"	Double	43.0	20	—	No	50
278	3-1/2"	3/4" & 1"	Single	43.0	20	—	No	50
274	4"	1/2" & 3/4"	Double	49.3	20	—	No	50
279	4"	3/4" & 1"	Double	49.3	20	—	No	50
275	5"	1/2" & 3/4"	Double	61.5	10	—	No	50
276	6"	1/2" & 3/4"	Double	74.0	10	—	No	50
284*	4"	1/2" & 3/4"	Double	49.3	6	—	35	75

\* Ceiling Fan Support Box

HUNG CEILING BOX – 3-1/2" DEEP				
CATALOG NUMBER	DESCRIPTION	CU. IN.	STD. PKG.	UPC BAR CODE
280	3/8" x 1/2" Long stud, 8-1/2", 8-3/4" KO's*	43.0	20	—
918	30" Long bars for hung ceiling box	—	40	—

\*Order bars separately

CONCRETE RING – BACK PLATES/COVERS AND ADAPTER RING					
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS	O.D. DIAM.	STD. PKG.	UPC BAR CODE
890	—	3-1/2", 2-3/4"	4-1/2"	25	—
891	3/8" Stud	2-1/2", 2-3/4"	4-1/2"	25	—
892	Flat, blank	—	4-1/2"	25	—
893	Joins Oct. Ext. ring to concrete ring Includes two retained screws	—	4-1/2"	50	—

KNOCKOUT LOCATIONS		
KNOCKOUT SIZE	A	B
1/2" and 3/4" KOs	1/2"	3/4"
3/4" and 1" KOs	3/4"	1"



## A52

## MASONRY BOXES AND PARTITIONS

## 2-1/2" AND 3-1/2" DEEP

RACO STEEL BOXES  
& COVERS

## Applications

- 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

## Non-Gangable Product Features

- Rugged welded construction 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 are formed inside the box, preventing mortar from getting in the device holes
- Steel low voltage partition: 971 fits all 2-1/2" or 3-1/2" depths (non-gangable versions only)
- Standard wall plates cover the box

## Gangable Product Features

- Rugged 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"- 3/4" TKO® knockouts
- Device ears are formed inside the box, preventing mortar from getting in the device holes
- Steel low voltage partitions: 675 fits 2-1/2" deep box, 676 fits 3-1/2" deep box
- Forward mounted grounding provision allows for easy installation of grounding pigtail
- Standard wall plates cover the box

## Compliance

- UL – File E195978 (Cat. #971 not UL Listed)



## ORDERING INFORMATION - DIMENSIONS

## MASONRY BOXES – 2-1/2" DEEP – NONGANGABLE WITH CONDUIT KO'S

CATALOG NUMBER	NO. OF GANGS	WIDTH (B)	KNOCKOUTS			CU. IN.	STD. PKG.	UPC BAR CODE
			ENDS	BOTTOM	SIDES			
690	1	1-31/32"	2 conc.	2 conc.	4 conc.	16.0	25	—
691	2	3-25/32"	4 conc.	4 conc.	4 conc.	31.8	25	—
692	3	5-19/32"	6 conc.	3 conc.	4 conc.	47.8	10	—
693	4	7-13/32"	8 conc.	4 conc.	4 conc.	63.5	10	—
694	5	9-7/32"	10 conc.	5 conc.	4 conc.	79.5	10	—
960	6	11-1/32"	12 conc.	6 conc.	4 conc.	95.3	1	—

## MASONRY BOXES – 3-1/2" DEEP – NONGANGABLE WITH CONDUIT KO'S

CATALOG NUMBER	NO. OF GANGS	WIDTH (B)	KNOCKOUTS			CU. IN.	STD. PKG.	UPC BAR CODE
			ENDS	BOTTOM	SIDES			
695	1	1-31/32"	4 conc.	2 conc.	4 conc.	22.5	25	—
8695	1	1-31/32"	4 conc.	2 conc.	4 conc.	22.5	25	
696	2	3-25/32"	8 conc.	4 conc.	4 conc.	45.0	25	
697	3	5-19/32"	12 conc.	3 conc.	4 conc.	67.3	10	
698	4	7-13/32"	16 conc.	4 conc.	4 conc.	89.8	10	—
699	5	9-7/32"	20 conc.	5 conc.	4 conc.	112.3	10	—
965	6	11-1/32"	24 conc.	6 conc.	4 conc.	134.8	1	—

## MASONRY BOXES – GANGABLE WITH CONDUIT KO'S

CATALOG NUMBER	NO. OF GANGS	DEPTH	WIDTH (B)	KNOCKOUTS			CU. IN.	STD. PKG.	UPC BAR CODE
				ENDS	BOTTOM	SIDES			
688	1	2-1/2"	1-15/16"	2 TKO®	2 TKO®	4 TKO®	15.5	20	
689	1	3-1/2"	1-15/16"	4 TKO®	2 TKO®	4 TKO®	22.5	20	

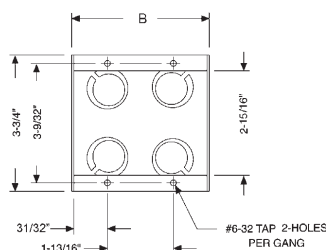
## LOW VOLTAGE PARTITION FOR MASONRY BOXES

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
<b>FOR NON-GANGABLE MASONRY BOXES</b>			
971	For 2-1/2" or 3-1/2" deep boxes	25	
<b>FOR GANGABLE MASONRY BOXES</b>			
675	For 2-1/2" deep boxes	20	
676	For 3-1/2" deep boxes	20	



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)

## STEEL MASONRY BOXES 691, 696





## UNIVERSAL PROTECTOR PLATES

### FOR USE WITH MUDRINGS - POWER

#### Applications

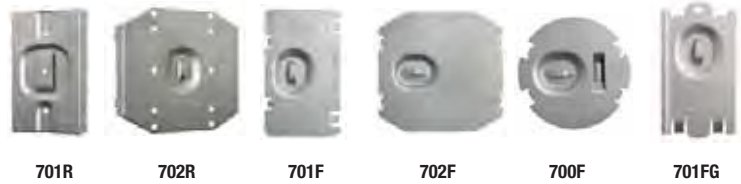
- Eliminates drywall compound, debris, paint, and drywall router bit from entering box or damaging conductors or devices
- Available in raised or flat versions —  
**Raised** covers all Decora™, duplex and switch wiring devices  
**Flat** close off mudring opening and protect wires from drywallers' router bit tools

#### Product Features

- Covers entire opening of mudring
- No hardware required for use - simply snaps on and off standard mudring
- Durable steel construction allows cover to be used multiple times
- Holes in cover allow for use of screws to prevent theft and add additional security (screws not included)
- Recessed tab allows cover to be easily removed using pliers, side cutters or flat screw driver

#### Reference Data

- Patent 7,102,079



701R

702R

701F

702F

700F

701FG

RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

#### RAISED 3/4" FOR DEVICE AND WIRE PROTECTION

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
701R	To protect 1 device / for 1 device mudring*	24	—
702R	To protect 2 devices / for 2 device mudring*	24	—

\*For protection of switch, GFCI, or duplex receptacles

#### FLAT FOR WIRE PROTECTION

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
701F	To protect 1 device opening / for 1 device mudring	100	—
702F	To protect 2 device opening / for 2 device mudring	50	—
700F	To protect round opening for fixture mudring with 2-3/4" O.C. device ears	50	—

#### FLAT FOR WIRE PROTECTION (GANGABLE)

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
701FG	Gangable for RACO 686, 687, and RACO non-gangable masonry boxes	100	—

CATALOG NUMBER	SINGLE DEVICE MUDRING	TWO DEVICE MUDRING	ROUND MUDRING	RACO® 686 & 687 & NONGANGABLE MASONRY BOXES	CADDY® MP1S™	CADDY® MP2S™
701R	X	—	—	—	—	—
702R	—	X	—	—	—	—
701F	X	—	—	—	S	—
702F	—	X	—	—	—	S
700F	—	—	X	—	—	—
701FG	—	—	—	X	—	—

S = Secondary Use



## A54

## UNIVERSAL PROTECTOR PLATES

## FOR LOW VOLTAGE MOUNTING RINGS/BRACKETS - DATA

**Applications**

- Eliminates drywall compound, debris, paint, and drywall router bit from entering box or damaging conductors or devices
- Available in raised or flat versions —  
**Raised** covers all Decora™, duplex and switch wiring devices  
**Flat** close off mudring opening and protect wires from drywall's router bit tools

**Product Features**

- Covers entire opening of low voltage plate
- Features patented wire retrieval loop that allows data cable to be attached to cover — NO MORE LOST CABLES IN THE WALL!
- No hardware required for use - simply snaps on and off standard mudring
- Durable steel construction allows cover to be used multiple times
- Finger pull bail allows cover to be easily removed from ring
- Allows for multi access to work area for multi stage jobs
- Holes in cover allow for use of screws to prevent theft and add additional security (screws not included)

**Reference Data**

- Patent 7,102,079



701RD

702RD

701FD

702FD

**ORDERING INFORMATION - DIMENSIONS****RAISED 3/4" FOR CONTROL DEVICE AND WIRE PROTECTION**

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
701RD	To protect 1 device, for Caddy® Ring / low voltage mounting bracket MP1S™*	24	—
702RD	To protect 2 device, for Caddy® Ring / low voltage mounting bracket MP2S™*	24	—

\*For protection of control devices, cable jacks, most Decora® style inserts and similar devices

**FLAT FOR LOW VOLTAGE WIRE PROTECTION**

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
701FD	To protect 1 device opening, for Caddy® Ring / low voltage mounting bracket MP1S™ *	50	—
702FD	To protect 2 device opening, for Caddy® Ring / low voltage mounting bracket MP2S™ *	25	—

\*Can also be used on most steel single gang mudrings

CATALOG NUMBER	SINGLE DEVICE MUDRING	TWO DEVICE MUDRING	ROUND MUDRING	RACO® 686 & 687 & NONGANGABLE MASONRY BOXES	CADDY® MP1S™	CADDY® MP2S™
701FD	X	—	—	—	S	—
702FD	—	X	—	—	—	S
701RD	X	—	—	—	S	—
702RD	—	X	—	—	—	S

S = Secondary Use



## BOX SUPPORT PRODUCTS

### BRACES AND EXTENDERS

#### Applications (9003 - 9006, 9012 -9015)

- For metal or wood stud box positioning

#### 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

#### Compliances



9003 - 9006



9012 - 9015

RACO STEEL BOXES  
& COVERS

### ORDERING INFORMATION - DIMENSIONS

#### NON-ADJUSTABLE BOX MOUNTING BRACE FOR 4" AND 4-11/16" SQUARE BOX

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9003	For 16" stud spacing, 1-1/2" deep box	50	—
9004	For 16" stud spacing, 2-1/8" deep box	50	—
9005	For 24" stud spacing, 1-1/2" deep box	50	—
9006	For 24" stud spacing, 2-1/8" deep box	50	—

#### ADJUSTABLE BOX MOUNTING BRACE FOR 4" AND 4-11/16" SQUARE BOX

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9012	Adjusts from 10-3/8" to 18", 1-1/2" deep box	50	—
9013	Adjusts from 10-3/8" to 18", 2-1/8" deep box	50	—
9014	Adjusts from 15" to 26", 1-1/2" deep box	50	—
9015	Adjusts from 15" to 26", 2-1/8" deep box	50	—



9016

#### Applications (9016)

- Extension for leg to accommodate 6" deep studs

#### Features

- To be used with the following RACO® SKU's: 9001, 9002, 9009, 9010, 9011
- Simple snap-on design

#### Compliances



### ORDERING INFORMATION - DIMENSIONS

#### LEG EXTENDER

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9016	To be used for 6" stud size	100	—



## A56

## BOX SUPPORT PRODUCTS

## BRACKETS

RACO STEEL BOXES  
& COVERS**Applications (9007, 9018)**

- Supports electrical boxes when mounted to a stud

**Features**

- Dual-point mounting ensures a secure, stable installation
- When properly mounted, the leg cannot be bent by other trades during the construction process
- Mounts 4" or 4-11/16" sq. box to 2-1/2", 3-1/2", 4" and 6" studs
- Box can be mounted on bracket without raised cover to save time by providing maximum work area in box
- When mounted, drywall ring is brought to within 1/16" of drywall every time and will not bulge or break out drywall

**Compliance**

-  

**Applications (9001, 9002)**

- Positions electrical boxes, plaster rings, and low voltage devices between studs

**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. Add RACO® 9016 to leg to accommodate 6" depth 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

**Compliances**

-  



9007



9018

## ORDERING INFORMATION - DIMENSIONS

## TWO-POINT BOX MOUNTING BRACKETS

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9007	Right side stud mount	100	—
9018	Left or right side stud mount	100	—



9001



9002

## ORDERING INFORMATION - DIMENSIONS

## FIXED POSITION BOX MOUNTING BRACKETS

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9001	3 - box, for 16" on center studs	50	—
9002	4 - box, for 24" on center studs	50	—



## BOX SUPPORT PRODUCTS

## BRACKETS AND BOX SUPPORTS

## Applications (9011)

- Supports 3" x 2" switch boxes when mounted to stud

## Features

- Accommodates all 3" x 2" switch boxes with one or two screw plaster ears
- Bracket can be ganged on same side of stud allowing for increased flexibility
- Bracket can be mounted on both sides of stud for double mounting
- Will not bulge or break out drywall when mounted

## Compliances

-  

## Applications (9008, 9017)

- Mounts standard low voltage wall plates, old work (existing walls) or new work (wood or metal studs)

## 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

-  

## Applications (9009, 9010)

- Supports electrical boxes from floor or concrete forms

## Features

- Fold-back stabilizer prevents bracket from being pushed back in wall cavity during drywall installation
- Designed for mounting sq. boxes 12" or 18" above floor. Mounts to metal or wood plate
- Mounts 4" or 4-11/16" sq. 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

## Compliances

-  



9011



9008 - 9017

## ORDERING INFORMATION - DIMENSIONS

## BOX MOUNTING BRACKET FOR 3" X 2" SWITCH BOXES

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9011	For 2-1/2" or 3-1/2" metal studs	100	—

## LOW VOLTAGE MOUNTING BRACKET

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9008	New or old work, single-gang	100	—
9017	New or old work, single-gang	20 bags*	

\*2 brackets per poly-bag



9009



9010

## ORDERING INFORMATION - DIMENSIONS

## FLOOR MOUNTED BOX SUPPORT

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
9009	12" tall bracket	25	—
9010	18" tall bracket	25	—



**Application (920, 922)**

- 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
- RACO® 920 includes 3/8" trade size stud to accommodate fixture stem
- 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 the knockout
- Remove the screw and fixture stud (or clip) from bar hanger
- Place the stud inside the box and replace the screw
- When box is located accurately between the joists, tighten the screw securely

**Compliance**

- UL – File E195973

**BOX-LOC® Application (980)**

- Allows any box to be attached to either side of a metal stud quickly and easily

**BOX-LOC® Product Features**

- Patented spring steel design
- Installs in seconds without tools
- Mounts on either side of stud
- Repositions easily
- Bracket may be added to any RACO® 4" or 4-11/16" square steel box - simply tap the bracket with a hammer and the barbed hooks hold it in place
- BOX-LOC® 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, locking it in place

**Far Side Box Support Application (978)**

- Prevents installed box from "floating" in wall cavity

**Far Side Box Support Features**

- Snaps into hole in back of box
- Easy to cut to fit depth of cavity

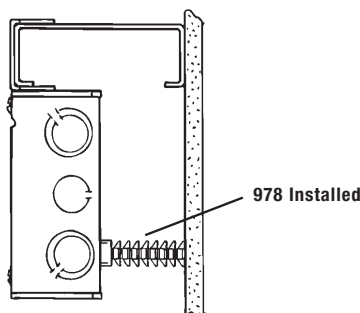
**ORDERING INFORMATION - DIMENSIONS**

ADJUSTABLE BAR HANGERS					
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOAD	
				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
920*	3/8" Stud, adj. 14-1/4" to 22-1/2"	50		No	50
922*	Clip, adj. 14-1/4" to 22-1/2"	50		No	50

\*UL Rated at 16" span on center

BOX-LOC® METAL STUD CLIP			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
980	Spring-steel bracket	50	

FAR SIDE BOX SUPPORT			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
978	1-7/8" Rigid, plastic support	50	—



## ACCESSORIES FOR STEEL BOXES

**"Old Work Saddle" Application (970RAC)**

- The "Old Work Saddle" #970 is designed to be used with 2-1/2" deep switch boxes that have plaster ears

**"Old Work Saddle" Product Feature**

- #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

**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

**The NEC Code States: 314.20 in Wall or Ceiling**

- In walls or ceilings of concrete, tile, or other non-combustible material, boxes shall be installed so that the front edge of the box will not set back of the finished surface more than 1/4 inch (6.35 mm). In walls and ceilings constructed of wood or other combustible material, boxes shall be flush with the finished surface or project there from

**Nailing Spur Applications (2709, 2710)**

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

**Compliance**

- UL – File E195973, E195968 (not 970RAC)

**Applications (969)**

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

**Product Feature**

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



969



970RAC

GRIP-LOK™  
977, 8977, 8977-5

976

2709, 2710,  
2709-9

## ORDERING INFORMATION - DIMENSIONS

SWITCH BOX SUPPORT "OLD WORK SADDLE"			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
970RAC	Mounts switch boxes with plaster ears in hollow walls or ceilings	10	

GRIP-LOK™ "OLD WORK" SWITCH BOX SUPPORT			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
977	Supplied as a pair. Use pair to mount switch box with plaster ears in hollow wall, 1-7/8" long legs	100 pairs	—
8977	Supplied as a pair. Use pair to mount switch box with plaster ears in hollow wall, 1-7/8" long legs	50 pairs	
8977-5	Supplied as a pair. Use pair to mount switch box with plaster ears in hollow wall, 1-7/8" long legs	100 pairs*	

\*4 Bundles of 25

SWITCH BOX ACCESSORIES				
CATALOG NUMBER	DESCRIPTION	FOR RACO SWITCH BOXES	STD. PKG.	UPC BAR CODE
961	Plaster Ears - Open Style w/screws	410, 420, 440, 445, 500, 503, 506, 508, 526, 545, 560, 565, 567, 570RAC, 590, 600, 601	100	
962	Plaster Ears - Clipped Style w/screws	150, 400, 591	100	
963	Plaster Ears - 1 Screw Style w/screws	471, 487, 517, 518, 519, 523	100	
964	Old Work Griptite Clip w/screws	523	100	
966	Old Work Tigergrip Clip w/screws	487, 506, 517	100	

OLD WORK SWITCH BOX CLIPS			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
969	Old work clips for switch box	50	

ADD-A-DEPTH RING EXTENDS SWITCH BOX SET TOO DEEP IN WALL			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
976	Adjustment range 1/4"-1", Two 1-1/8" screws included	25	

CABLE PROTECTOR			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
2709	Nailing spurs, 2-9/16" H. x 1-1/2" W. x 1/16" TH. 1/2" Spike	100	
2710	Nailing spurs, 2-9/16" H. x 1-1/2" W. x 1/16" TH. 1/2" Spike	200	—
2709-9	Nailing spurs, 2-9/16" H. x 1-1/2" W. x 1/16" TH. 1/2" Spike	100	—

## A60

## ACCESSORIES FOR STEEL BOXES

RACO STEEL BOXES  
& COVERS

## Grounding Applications

- Grounding accessories provide a safe electrical path to ground to help prevent shock
- 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

## Compliance

- UL – File E195975 (975, 8975-1)



## ORDERING INFORMATION - DIMENSIONS

GROUNDING PIGTAILS				
CATALOG NUMBER	DESCRIPTION		STD. PKG.	UPC BAR CODE
WIRE LENGTH				
6"	8"			
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 pcs per poly bag)	40 bags*	
984	997	#14 Solid bare copper wire, captive 4-way combo head green dye finish ground screw one end (25 pc. 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				
CATALOG NUMBER	DESCRIPTION		STD. PKG.	UPC BAR CODE
998	4-Way combo head green dye finish 3/8" ground screw for 10-32 tapped hole, clam shell package (100 pcs 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 pcs. per bag)		50 bags*	
973	Slotted head green dye finish 3/8" ground screw for 10-32 tapped hole, clam shell package (100 pcs per clam shell)		1000	
8973-1	Slotted head green dye finish 3/8" ground screw for 10-32 tapped hole, poly bag (10 pcs. per bag)		50 bags*	
975	Green dye finish ground clip for #14-#10 AWG copper, clam shell package (100 pcs per clam shell)		1000	
8975-1	Green dye finish ground clip for #14-#10 AWG copper, poly bag (10 pcs. per bag)		50 bags*	

\*Order standard package bag quantities only, not per piece



4714, THE INSIDER® will secure nonmetallic sheathed cable in 1/2" KO (See pg. B87)





# RACO® Nonmetallic Cable Boxes



## A62

## GENERAL INFORMATION - NONMETALLIC PRODUCTS

RACO NONMETALLIC  
CABLE BOXES

MOST OFTEN REQUESTED ARTICLES OF THE 2008 NATIONAL ELECTRICAL CODE®	HOW RACO® PRODUCTS HELP COMPLETE THE INSTALLATION
<b>314.27 (A) Boxes at Lighting Fixture Outlets.</b> Boxes used at lighting fixture outlets shall be designed for the purpose.	Our octagon boxes are designed for direct mounting of light fixtures. 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)) or wall fixtures 6 lbs. or less [See 314.27 (A) exception].
<b>314.16 (A) 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 (D) Boxes at Fan Outlets.</b> Outlet boxes shall not be used as the sole support for ceiling (paddle) fans. Exception: Boxes listed for the application shall be permitted as the sole means of support.	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>314.27 (C) 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 to be 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>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(B) for boxes. A fixture that weighs more than 50 pounds (22.7 kg) shall be supported independently of the outlet box.	All outlet boxes that are intended to be used with fixtures are tested in accordance with UL Standard 514-A for steel boxes, 514-C for plastic boxes. The test does provide an ample margin for safety.
<b>314.27 (D) Support of Ceiling Fans.</b> <b>(a) Ceiling Fans 35 lbs. or Less.</b> Listed ceiling fans that do not exceed 35 pounds in weight, with or without accessories, shall be permitted to be supported by outlet boxes identified for such use and supported in accordance with Sections 370-23 and 370-27. <b>(b) Ceiling Fans Exceeding 35 lbs.</b> Listed ceiling fans exceeding 35 pounds in weight, with or without accessories, shall be supported independently of the outlet box. See Section 370-23.	If the outlet box is UL Listed for ceiling fan support, the maximum fan weight that can be supported is 35 pounds unless otherwise marked. The RACO® ceiling fan box (7120) is UL Listed for 70 lbs. RACO® ceiling fan outlet boxes use hardened screws for support of the fan. Captive star lock-washers prevent the screws from loosening, providing a safe and secure installation.
<b>300.133 (A)(1)(C) 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 of 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. RACO® has a variety of metallic and nonmetallic low voltage partitions.
<b>406/11 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.





## NONMETALLIC CABLE BOXES

### Applications

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

### Product Features

- RACO® nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- 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

### Reference Data

- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

### Compliances

-  – Standard 514-C, File E104681 and R9320
- 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



7302RAC, 7820RAC

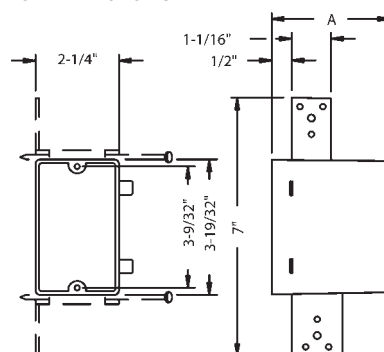
RACO NONMETALLIC  
CABLE BOXES

## ORDERING INFORMATION - DIMENSIONS

SINGLE-GANG WITH CAPTIVE NAILS FOR NONMETALLIC SHEATHED CABLE					
CATALOG NUMBER	DESCRIPTION/SETBACK	CABLE KNOCKOUTS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7302RAC	Nails, 1/2" setback	4	18.0	100	
7820RAC	Nails, 1/2" setback	4	20.0	100	

DIMENSIONS	
CATALOG NUMBER	A (DEPTH)
7302RAC	2-3/4"
7820RAC	3-3/16"

### NONMETALLIC BOXES



## A64

## NONMETALLIC CABLE BOXES

## MULTIGANG

RACO NONMETALLIC  
CABLE BOXES**Applications**

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

**Product Features**

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

**Standard Material**

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

**Reference Data**

- Cable clamp U.S. Patent 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599
- Four-gang box support U.S. Patent 5,065,968

**Compliances**

-  – Standard 514-C, – File E104681 and R9320
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating (except 7645RAC), (building codes) UL Orange Book
- Federal Manufacturer's number 28488



7835RAC



7645RAC



7846RAC

## ORDERING INFORMATION - DIMENSIONS

TWO-GANG WITH CAPTIVE NAILS FOR WOOD STUDS  
FOR NONMETALLIC SHEATHED CABLE

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7835RAC	Nails	8	32.0	15	

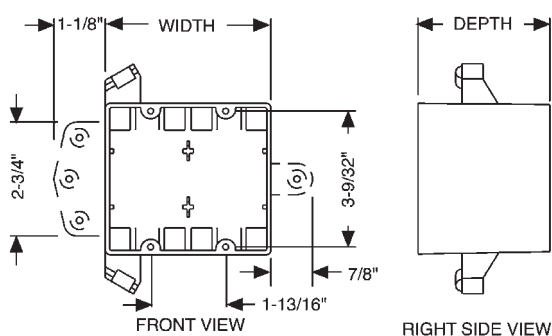
MULTI-GANG WITH CAPTIVE NAILS FOR METAL OR WOOD STUDS  
FOR NONMETALLIC SHEATHED CABLE

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7645RAC	Four-gang, nails, 1/2" setback bracket support	12	55.0	25	
7846RAC	Three-gang, nails, 1/2" setback	12	44.0	8	

## DIMENSIONS

CATALOG NUMBER	GANG	WIDTH	DEPTH
7835RAC	2	4"	2-29/32"
7846RAC	3	5-7/8"	2-3/4"
7645RAC	4	7-5/8"	2-5/8"

## MULTI-GANG CABLE BOX



## NONMETALLIC CABLE BOXES

### Applications

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

### Product Features

- RACO® nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- 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

### Reference Data

- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

### Compliances

-  – Standard 514-C, File E104681 and R9320
- 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



7717RAC



7318RAC



7881, 7883

RACO NONMETALLIC  
CABLE BOXES

## ORDERING INFORMATION - DIMENSIONS

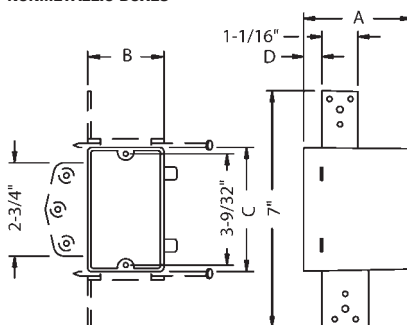
### SINGLE-GANG WITH BRACKETS FOR METAL OR WOOD STUDS FOR NONMETALLIC SHEATHED CABLE

CATALOG NUMBER	DESCRIPTION	CABLE KNOCKOUTS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7308RAC	Bracketed, shallow, 3/8" setback	2	8.0	25	
7318RAC	Flanged, shallow	2	8.0	25	
7717RAC	Face mount, 1/2" setback	4	20.0	100	
7881	Side mount, 5/8" setback	4	18.0	50	
7883	Side mount, 5/8" setback	4	20.3	50	

### DIMENSIONS

CATALOG NUMBER	A	B	C	D
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"
7881	2-27/32"	2-1/4"	3-19/32"	5/8"
7883	3-3/16"	2-1/4"	3-19/32"	5/8"

### NONMETALLIC BOXES



## A66

## NONMETALLIC CABLE BOXES

RACO NONMETALLIC  
CABLE BOXES**Applications**

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

**Product Features**

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


**Standard Material**

- Made of heavy-duty PVC (Polyvinyl chloride) compound. 7122RAC and 7922RAC is polycarbonate

**Reference Data**

- Old work support U.S. Patent 4,183,486
- Cable clamp U.S. Patent 4,874,905
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

**Compliances**

-  – Standard 514-C, File E104681 and R9320
- 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



7887RAC



7488RAC



7122RAC



7922RAC

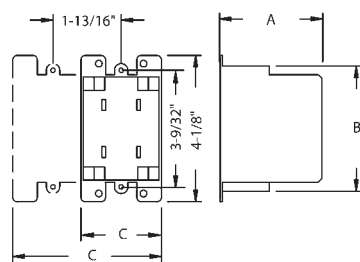
**ORDERING INFORMATION - DIMENSIONS****OLD WORK BOXES****FOR NONMETALLIC SHEATHED CABLE**

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	MAX. RECOMMENDED SUPPORT LOADS FIXTURE (STATIC) LBS.	UPC BAR CODE
7887RAC	Single-gang, old work, flush mount	4	14.0	50	No	
7488RAC	Two-gang, old work, flush mount	6	25.0	30	No	
7122RAC	3-1/2" Round, old work, flush mount	4	18.0	100	5	
7922RAC	3-1/2" Round, old work, flush mount w/grnd. plate	4	18.0	100	No	

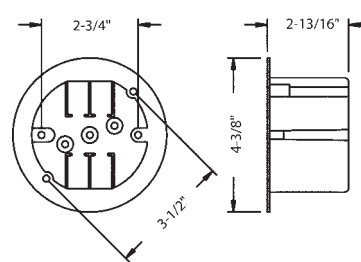
**DIMENSIONS**

CATALOG NUMBER	GANG	A	B	C
7887RAC	1	2-29/32"	3-1/8"	2-1/4"
7488RAC	2	2-3/4"	4"	3"
7122RAC	—	2-11/16"	—	—
7922RAC	—	2-11/16"	—	—

CAT. NOS. 7887RAC, 7488RAC



CAT. NOS. 7122RAC, 7922RAC



## NONMETALLIC CABLE BOXES

### Applications

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

### Product Features

- RACO® nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-gripping wire entry clamps
- Oversized nail support that resists hammer impact and prevents box deformation
- The RACO® 980 BOX-LOC® for metal studs can be installed to either the 7220RAC or 7232RAC quickly and easily. With just a push, it simply snaps into the grooves on the side of box. The 978 far-side box support than can be added to complete a rigid and secure installation


### Standard Material

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

### Reference Data

- Cable clamp U.S. Patent 4,874,905 & 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

### Compliances

-  – Standard 514-C, File E104681 and R9320
- 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



7220RAC

7232RAC

978

980  
BOX-LOC®

RACO NONMETALLIC  
CABLE BOXES

### ORDERING INFORMATION - DIMENSIONS

#### 4" SQUARE WITH CAPTIVE NAILS FOR METAL\* OR WOOD STUDS FOR NONMETALLIC SHEATHED CABLE

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7220RAC	Nails	8	18.0	8	
7232RAC	Nails	10	32.0	8	

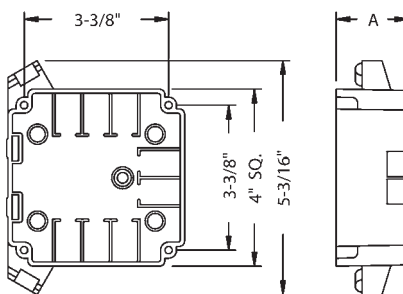
#### ACCESSORIES

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
978	Far-side box support	50	
980	BOX-LOC® metal stud clip	50	

#### DIMENSIONS

CATALOG NUMBER	A (DEPTH)
7220RAC	1-5/8"
7232RAC	2-5/8"

#### NONMETALLIC BOXES





## A68

## NONMETALLIC CABLE BOXES

RACO NONMETALLIC  
CABLE BOXES**Applications**

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

**Product Features**

- RACO® nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-gripping 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

**Reference Data**

- Cable clamp U.S. Patent 4,874,905 & 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599

**Compliances**

-  – Standard 514-C, File E104681 and R9320
- 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

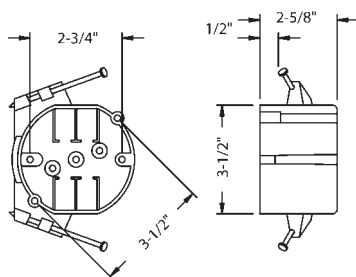
7919RAC GRD. PLATE  
7119RAC W/O PLATE7823RAC GRD. PLATE  
7824RAC W/O PLATE**ORDERING INFORMATION - DIMENSIONS****3-1/2" ROUND CEILING WITH CAPTIVE NAILS  
FOR NONMETALLIC SHEATHED CABLE**

CATALOG NUMBER	DESCRIPTION SETBACK	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7119RAC	Nails, 1/2" setback	4	18.0	75		No	50
7919RAC	Nails, grd. plate 1/2" setback	6	18.0	75		No	50

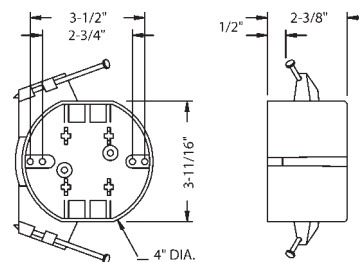
**4" ROUND CEILING WITH CAPTIVE NAILS  
FOR NONMETALLIC SHEATHED CABLE**

CATALOG NUMBER	DESCRIPTION SETBACK	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7824RAC	Nails, 3/8" setback	4	20.0	75		No	50
7823RAC	Nails, grd. plate 3/8" setback	4	20.0	75		No	50

CAT. NOS. 7119RAC, 7919RAC



CAT. NOS. 7823RAC, 7824RAC



## NONMETALLIC CEILING CABLE BOXES

## Applications

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

## Product Features

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


## Standard Material

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

## Reference Data

- Cable clamp U.S. Patent 4,874,905 & 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599
- Cat. #7120 U.S. Patent 5,234,119; Mexico Patent 179,825

## Compliances

-  — Standard 514-C, File E104681 and R9320
- All versions of RACO® 7120 are UL approved for nonmetallic wiring systems
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

7907 GRD. PLATE  
7307 W/O PLATE7825 GRD. PLATE  
7826RAC W/O PLATESADDLE BOX™  
7120, 7120-1

7120VB

RACO NONMETALLIC  
CABLE BOXES

## ORDERING INFORMATION - DIMENSIONS

3-1/2" ROUND CEILING SET-UP FOR SPANNING FROM JOIST TO JOIST  
FOR NONMETALLIC SHEATHED CABLE

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7307*	Adj. 14-3/4" - 22-1/2"	4	18.0	25		No	50
7907*	Adj. 14-3/4" - 22-1/2" Ground plate	4	18.0	25		No	50

\* UL Rated at 16" on center

4" ROUND CEILING SET-UP FOR SPANNING FROM JOIST TO JOIST  
FOR NONMETALLIC SHEATHED CABLE

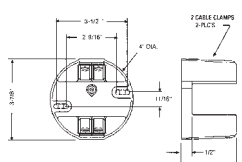
CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7826RAC*	Adj. 14-3/4" - 22-1/2"	6	20.0	25		No	50
7825*	Adj. 14-3/4" - 22-1/2" Ground plate	6	20.0	20		No	50

\* UL Rated at 16" on center

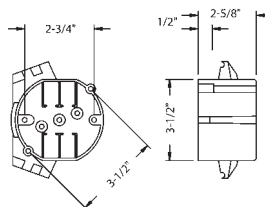
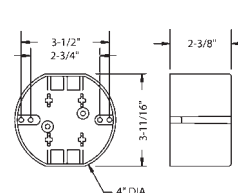
## 4" ROUND CEILING FAN/FIXTURE BOX FOR NONMETALLIC SHEATHED CABLE OR CONDUIT

CATALOG NUMBER	DESCRIPTION	KNOCK-OUTS SIDES	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
							CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7120*	Ceiling fan box	2-1/2"	4	12.5	20		70	210
7120-1	Ceiling fan box	2-1/2"	4	12.5	24		70	210
7120VB	Ceiling fan	2-1/2"	4	12.5	24		70	210

\*Packaged in a stackable, individual chipboard box suitable for shelf display

CAT. NOS.  
7120, 7120-1, 7120VB

CAT. NOS. 7307, 7907

CAT. NOS.  
7825, 7826RAC

## A70

## NONMETALLIC CABLE BOXES

CSA CERTIFIED

RACO NONMETALLIC  
CABLE BOXES**Applications**

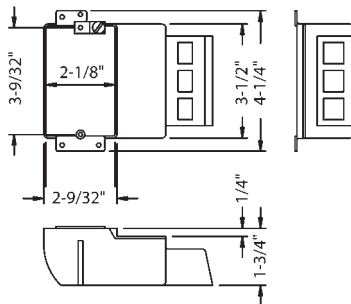
- RACO® nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring systems or devices

**Product Features**

- RACO® nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-gripping 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

**Standard Materials**

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

**CAT. NO. 7320****Compliances**

-  – Specifications C22.2 #18
- Federal Manufacturer's number 28488



7320



7321

## ORDERING INFORMATION - DIMENSIONS

SINGLE-GANG SHALLOW, FAST WIRE				
CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7320	Shallow, fast wire	17.0	50	—
7321	Fast wire clamp	—	1000	—



## NONMETALLIC CABLE BOXES

### VAPOR BARRIER

#### Applications

- Vapor barrier boxes prevent unwanted penetration of exterior air and help maintain the existing interior environment from elements outside of the structure
- RACO® nonmetallic vapor barrier cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- RACO® nonmetallic cable boxes are used in branch circuit wiring to splice wires
- Accommodate wiring devices such as switches and receptacles
- Serve as fixture support
- Provide excellent protection for wiring systems or devices
- RACO® 2008FBAR is not designed for ceiling fan support

#### Product Features

- Self-gripping wire entry clamps
- 2008FBAR, 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
- Unique saddle design straddles standard joists
- Hands free installation
- For 1/2", 5/8", or 3/4" drywall
- 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

#### Compliances

-  – Specifications C22.2 #18  
2011FBAR, 2002FBAR, 2003FBAR, 2008FBAR
- Federal Manufacturer's number 28488
-  – Standard 514-C, File E104681  
7120VB



2011FBAR

2002FBAR

2003FBAR

2008FBAR

7120VB

RACO NONMETALLIC  
CABLE BOXES

### ORDERING INFORMATION - DIMENSIONS

#### VAPOR BARRIER SWITCH BOX - 2-1/4" W. x 3-3/4" H. x 2-3/4" D.

CATALOG NUMBER	DESCRIPTION SETBACK	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
2011FBAR	Single-gang with flush bracket, 1/2" setback	4	18.0	100	

#### VAPOR BARRIER 2-GANG SWITCH BOX - 4-1/8" W. x 3-5/8" H. x 2-3/4" D.

CATALOG NUMBER	DESCRIPTION SETBACK	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
2002FBAR	Two-gang with flush bracket, 1/2" setback	8	37.0	50	

#### VAPOR BARRIER 3-GANG SWITCH BOX - 5-7/8" W. x 3-5/8" H. x 2-3/4" D.

CATALOG NUMBER	DESCRIPTION SETBACK	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
2003FBAR	Three-gang with flush bracket, 1/2" setback	12	51.0	50	

#### VAPOR BARRIER 4" ROUND CEILING BOX - 2-1/4" D.

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
2008FBAR	Round box with flush bracket, 1/2" setback	4	22.0	50		No	50

#### VAPOR BARRIER 4" ROUND CEILING FAN BOX - 2-39/64" D.

CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7120VB	Ceiling fan box	4	12.5	24		70	210



## A72

## ENT NONMETALLIC BOXES

RACO NONMETALLIC  
CABLE BOXES**Applications**

- RACO® ENT 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**

- Knockouts offer greater flexibility with RACO's 1/2" and 3/4" knockout
- TKO® products help to reduce the number of products needed to do the same job
- Unique bracket design features automatic setback gauges for quick installation


**Standard Material**

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

**Reference Data**

- ENT box U.S. Patent 4,844,275
- Mounting Holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex Device Holes U.S. Patent 4,666,055; Canada Patent 1,260,599

**Compliances**

-  – 514-C, File E104681 and R9320
- 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
- ANSI/NEMA TC13-1986
- Federal Manufacturer's number 28488



7050



7053



7054

**ORDERING INFORMATION - DIMENSIONS****SINGLE-GANG - METAL OR WOOD STUDS  
FOR ENT**

CATALOG NUMBER	DESCRIPTION	KNOCKOUTS			CU. IN. CAP.	STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM			
7050	Bracketed 1/2" setback	1	2	—	18.0	50	

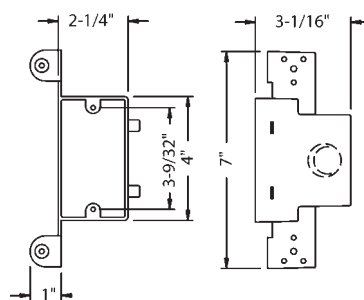
**4" SQUARE - METAL OR WOOD STUDS  
FOR ENT**

CATALOG NUMBER	DESCRIPTION	KNOCKOUTS			CU. IN. CAP.	STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM			
7053	Bracketed	2-1/2"	6-1/2"	4-1/2"	22.5	50	
7054	Bracketed	2	4	4-TKO®	31.0	50	

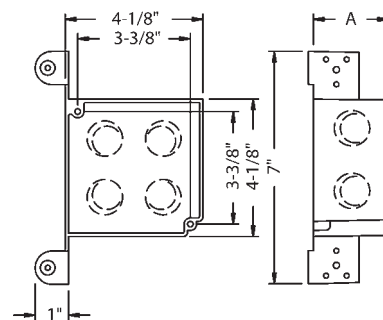
**DIMENSIONS**

CATALOG NUMBER	A INSIDE
7053	1-1/2"
7054	2-1/8"

CAT. NO. 7050



CAT. NOS. 7053, 7054





## ENT NONMETALLIC BOXES

**Applications**

- RACO® ENT boxes are used in branch circuit wiring to splice wires
- Provide excellent protection for wiring system or devices
- Ceiling boxes on this page are not designed for ceiling fan support

**Product Features**

- Knockouts offer greater flexibility with RACO's combination 1/2" and 3/4" knockout
- Combination knockouts help to reduce the number of products needed to do the same job


**Standard Material**

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

**Reference Data**

- ENT box U.S. Patent 4,844,275
- Mounting Holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex Device Holes U.S. Patent 4,666,055; Canada Patent 1,260,599

**Compliances**

-  – 514-C, File E195978
- File E104681, R9320
- 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
- ANSI/NEMA TC13-1986
- Federal Manufacturer's number 28488



7052



7051

RACO NONMETALLIC CABLE BOXES

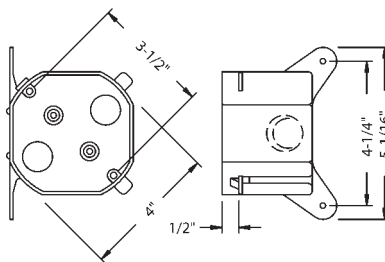
**ORDERING INFORMATION - DIMENSIONS**

4" ROUND CEILING BOX FOR ENT								
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7052	Bracketed 1/2" Setback	4	2-1/2"	20.3	50		No	50

4" ROUND CEILING - SET-UP FOR SPANNING FROM JOIST TO JOIST FOR ENT								
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		CU. IN. CAP.	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM				CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
*7051	Adjusts 14-1/4 to 22-1/2"	4	2-1/2"	20.3	25		No	50

\*UL Rated at 16" on center

CAT. NOS. 7052, 7051



## A74

## NONMETALLIC BOX ACCESSORIES

## COVERS, PLASTIC RINGS, PARTITIONS, STRAPS

RACO NONMETALLIC  
CABLE BOXES**Applications**

- RACO® ENT covers and plaster rings are used to finish off box installations
- Accommodate wiring devices such as switches and receptacles
- Provide excellent protection for wiring system or devices


**Covers, Plaster Rings, Straps****Standard Materials**

- Made of heavy-duty PVC (Polyvinyl chloride) compound. 7081 is polycarbonate
- 7009 and 7010 are polyethylene

**Reference Data**

- ENT box U.S. Patent 4,844,275
- Mounting Holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex Device Holes U.S. Patent 4,666,055; Canada Patent 1,260,599

**Compliances**

-  – 514-C, File E104681 and R9320
- Covers are listed for their Electrical Applications (Electrical Codes), UL Green Book
- ANSI/NEMA TC13-1986
- Federal Manufacturer's number 28488



## ORDERING INFORMATION - DIMENSIONS

## 4-1/8" SQUARE/ 4" ROUND - COVERS/PLASTER RINGS/PARTITIONS

CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7080	Flat, 1/2" KO in center	—	50	
7070	Raised, 1/2", 1 - device	3.3	50	
7071	Raised, 5/8", 1 - device	4.0	50	
7075	Raised, 1/2", 2 - device	6.0	50	
7076	Raised, 5/8", 2 - device	7.3	50	
*7090	Voltage partition	—	50	
7081	Round, flat, 1/2" KO in center	—	50	

\* Not UL Listed

## ENT CONDUIT STRAP

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
7009	1/2" with preset nail	1000	—
7010	3/4" with preset nail	500	—



# RACO® Floor Boxes





**General Applications**

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 Floor Box Features**

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

RACO quality non-adjustable floor boxes feature:

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

**Fully-Adjustable Floor Box Features**

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

Fully-Adjustable Floor Boxes feature:

- Concrete-tight floor boxes for use in power or voice/data
- Cast iron boxes classified as water-tight 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**

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

**Standard Finishes**

- Natural gray finish on nonmetallic floor box
- Nonmetallic floor box covers and carpet flanges are available in gray and ivory
- 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, file E4872
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- U.S. Federal Specification and Standards W-C-583B
- 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



## RACO® FLOOR BOXES

SUMMARY OF THE MOST OFTEN REQUESTED ARTICLES OF THE 2008 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.	Every 6 feet along the wall surface there should be a receptacle outlet regardless of the room within the dwelling. The purpose of this Article is to eliminate extension cords that are used within the dwelling. Electrically overloaded extension cords are often a source of fires. Installation of a RACO floor box may help alleviate the need for extension cords by locating receptacles where no wall outlets are installed. Receptacle outlets in floors can be counted as part of the required number of receptacles if they are within 18 inches of the wall.
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. <i>Exception (c): Floor boxes designed for and listed as providing satisfactory ground continuity between the box and the device.</i>	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(C) 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 (C) 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 Article 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.



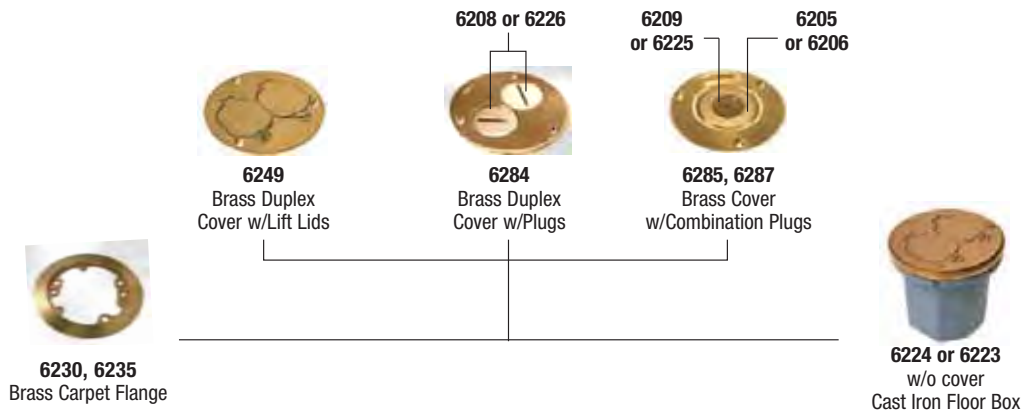


# A78

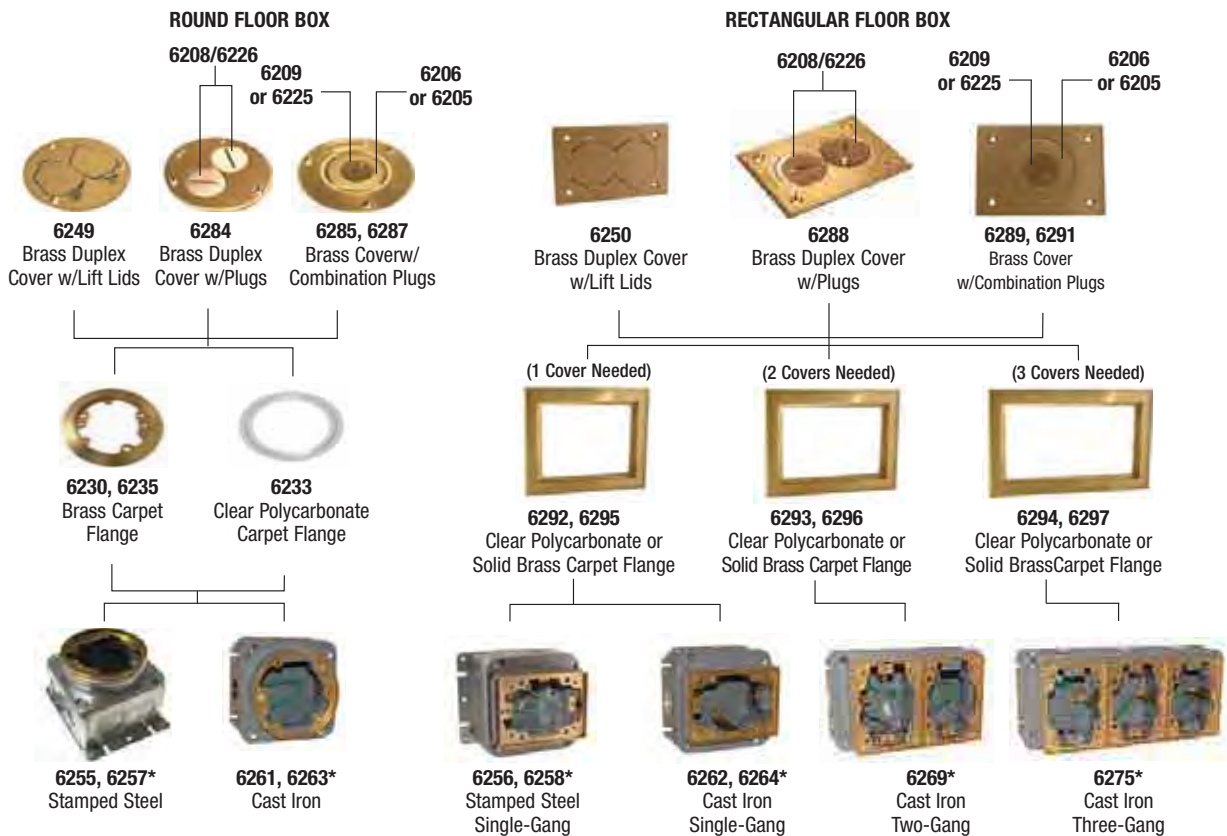
## QUICK SELECTION GUIDE

### RACO FLOOR BOXES

#### NON-ADJUSTABLE FLOOR BOX SYSTEM



#### FULLY-ADJUSTABLE FLOOR BOX SYSTEM

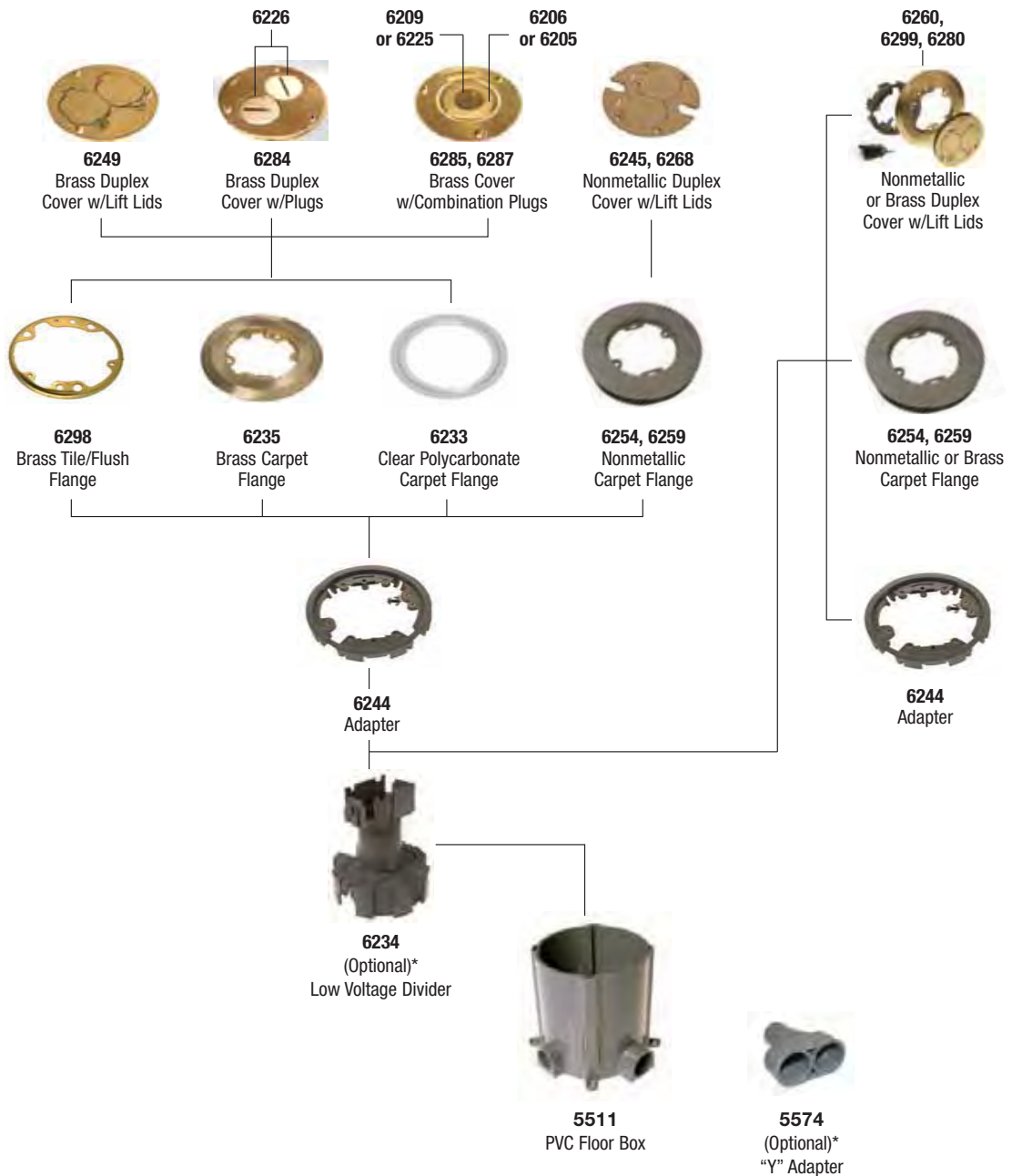


\*Included brass tile ring must be removed and discarded before installation of brass carpet flanges. Polycarbonate flanges are installed between box and included brass ring



## QUICK SELECTION GUIDE

## PVC FLOOR BOX SYSTEM



RACO FLOOR BOXES

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

Before installing lower part of voltage separation unit, cut off the same amount from the tube as you cut off the box. Complete the installation of the carpet flange, duplex receptacle and cover



## A80

## FLOOR BOXES

## FOR CONCRETE POUR - NONMETALLIC

## RACO FLOOR BOXES

**Applications**

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

**General Features**

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

**Low Voltage Divider Features**

- Installs inside 5511 floor box for multi-service applications. Use separate conduit runs for power and voice/data cables
- Accepts Hubbell standard duplex receptacles or 15A Twist Lok® duplex receptacles (HBL 4700 series)
- Power capacity — 19.60 cubic inches plus 2.40 cubic inches per inch of tube

**Adapter Ring Features**

- Required for each 5511 floor box (accepts plastic and metal covers)
- Mechanically fasten adapter to 5511 floor box with included retaining clips and screws. Clips slide into slots in box wall

**PVC Floor Box Features**

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

**Compliance**

- 



5511



6234



5574



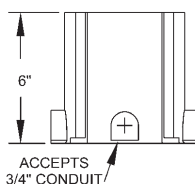
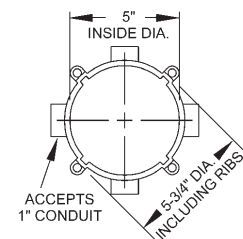
6244

## ORDERING INFORMATION - DIMENSIONS

## ROUND FLOOR BOX AND ACCESSORIES – NONMETALLIC

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
5511	19.5 cubic inch capacity per inch of height 2 - 1" & - 3/4" openings. Temporary cover and (4) reducer/closure plugs included.	1	—
6234	Voltage separation unit, optional	10	—
5574	3/4" Y adapter, PVC	10	—
6244	Adapter ring for all nonmetallic and brass flanges	10	—

## NONMETALLIC FLOOR BOX



## FLOOR BOX KITS, COVERS AND FLANGES

### NONMETALLIC/ROUND

#### Application

- Floor box covers and flanges provide a quick, simple method of completing floor box installation on carpeted floor

#### Product Features

- Nonmetallic carpet flanges and covers are available in gray or 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 provide 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 communications cable.

Note: Brass cover is not 3-service

#### Compliance

- UL



6233

6245, 6268

6260

6299

6254, 6259

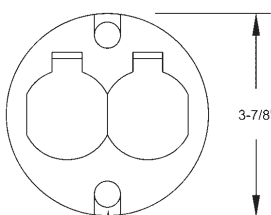
RACO FLOOR BOXES

### ORDERING INFORMATION - DIMENSIONS

FLOOR BOX COVER ASSEMBLY KITS NONMETALLIC				
CATALOG NUMBER	DESCRIPTION	CARPET FLANGE O.S. DIAMETER	STD. PKG.	UPC BAR CODE
6260	Adapter, nonmetallic ivory carpet flange, Ivory duplex cover - Kit	6-1/2"	10	
6299	Adapter, nonmetallic gray carpet flange, Gray duplex cover - Kit	6-1/2"	10	

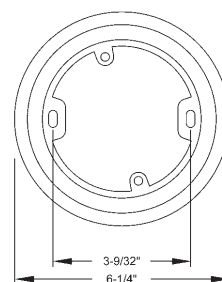
REPLACEMENT COVERS AND CARPET FLANGES - NONMETALLIC				
CATALOG NUMBER	DESCRIPTION	CARPET FLANGE O.S. DIAMETER	STD. PKG.	UPC BAR CODE
6233	Clear polycarbonate carpet flange	5-1/4"	15	
6245	Ivory nonmetallic duplex cover with lift lids	—	10	—
6268	Gray nonmetallic duplex cover with lift lids	—	10	—
6254	Ivory nonmetallic carpet flange	6-1/4"	10	—
6259	Gray nonmetallic carpet flange	6-1/4"	10	—

#### REPLACEMENT COVERS



WHEN BROKEN OUT,  
OPENING IS 1/2" DIA.  
FOR DATA CABLE

#### REPLACEMENT CARPET FLANGES



## A82

## FLOOR BOX COVERS AND FLANGES

## BRASS/ROUND

## RACO FLOOR BOXES

## Application

- Floor box flanges and covers are used to complete floor box installations on either carpet or tile

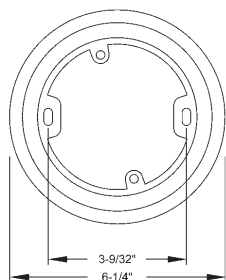
## Product Features

- 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 5544
- 6230 is not designed to work with RACO® 5511 nonmetallic floor box
- 6230 and 6235 are not designed to be used with RACO® 6220
- 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 nonmetallic adapter ring (if round 5511 nonmetallic box is used)
  3. Install device to box or 5544 adapter
  4. Install carpet or tile flange
  5. Install cover to carpet or tile flange

## Compliances



## 6-1/4" REPLACEMENT CARPET FLANGES



6249



6280 KIT



6284



6285, 6287



6205, 6206



6230, 6235



6298

## ORDERING INFORMATION - DIMENSIONS

## ROUND COVERS, BRASS 3-7/8" DIA.

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
6249	Brass duplex cover with lift lids	40	
6284	Brass duplex cover with 2, 1-1/2" threaded plugs	40	
6285	Brass cover with 2-1/8" x 1" combination plugs	40	
6287	Brass cover with 2-1/8" x 3/4" combination plugs	40	

## FLOOR BOX COVER - FLANGE KIT

CATALOG NUMBER	DESCRIPTION	CARPET FLANGE O.S. DIAMETER	STD. PKG.	UPC BAR CODE
6280	Brass carpet flange, adapter and duplex cover	6-1/2"	10	

## CARPET FLANGES

CATALOG NUMBER	DESCRIPTION	CARPET FLANGE O.S. DIAMETER	STD. PKG.	UPC BAR CODE
6230	Brass carpet flange, mop-tight	5-1/4"	10	
6235	Brass carpet flange*	6-1/4"	10	

\* 6235 not UL Listed

## TILE FLANGE

CATALOG NUMBER	DESCRIPTION	TILE FLANGE O.S. DIAMETER	STD. PKG.	UPC BAR CODE
6298	Brass tile/flush application flange	4-3/16"	15	

## FLUSH CAP RINGS

CATALOG NUMBER	DESCRIPTION	RING O.S. DIAMETER	STD. PKG.	UPC BAR CODE
6205	Brass, for 1" plug	2-1/8"	30	
6206	Brass, for 3/4" plug	2-1/8"	30	





## 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\*

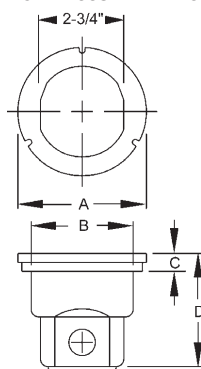
#### Product Features

- 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® 6220 includes box, 2-1/8" brass flush plug cover, brass tile flange, and 15A, 125V single receptacle (H.W.D part number HBL5258)
- 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

#### Compliance

- 

#### NON-ADJUSTABLE FLOOR BOX



6220



6224



6223

RACO FLOOR BOXES

### ORDERING INFORMATION - DIMENSIONS

#### SINGLE RECEPTACLE ASSEMBLY

CATALOG NUMBER	THREADED/HUBS		CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM			
6220	2-3/4"	1-1/2", 1-3/4"	10.3	4	

#### DUPLEX RECEPTACLE ASSEMBLY

CATALOG NUMBER	THREADED/HUBS		CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM			
6224	—	2-1/2"	18.5	4	

#### FLOOR BOX

CATALOG NUMBER	THREADED/HUBS		CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM			
6223	—	2-1/2"	18.5	4	

#### DIMENSIONS – CAST IRON FLOOR BOX

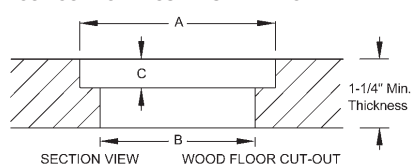
SIZE	A	B	C	D
6223	4.19"	3.39"	0.59"	3.75"
6224	4.19"	3.39"	0.59"	3.75"
6220	3.44"	2.82"	.22"	2.63"

#### DIMENSIONS – WOOD FLOOR CUT OUT

SIZE	A	B	C*
6224	4-1/4"	3-7/16"	5/8"
6220	3-5/8"	2-7/8"	7/16"

\* If floor covering is used, vary counter bore depth accordingly. Additional bracing may be required

#### \*CUT OUT FOR FLUSH INSTALLATION



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



## A84

## FLOOR BOX ASSEMBLY

## FOR WOOD FLOORS

## RACO FLOOR BOXES

**Applications**

- RACO® #5236 and 6236 floor box provide flush service for power
- Non-adjustable floor boxes may be used in wood floors and are suitable for carpet, tile or wood floor applications

**Product Features**

- Zinc plated steel yoke for corrosion resistance
- Back wiring – clamp-type terminals accepts up to #10 wire
- Side wiring – large brass binding head screw terminals accepts up to #10 wire
- 15A, 125V receptacle
- Floor box assembly cover plate is .058 thick brushed brass
- Brass cover size is 2-3/4" wide x 4-1/2" long
- Floor box (6236 only) is 3.5" deep

**Compliance**

- 



5236

6236

**ORDERING INFORMATION - DIMENSIONS**

RECEPTACLE-DISPLAY TYPE FOR USE IN DRY LOCATIONS BRASS PLATE AND THREADED PLUG					
CATALOG NUMBER	KNOCKOUTS/HUBS		CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM			
5236	—	—	—	6	

FLOOR BOX/PLATE ASSEMBLY/GASKET, BRASS PLATE AND THREADED PLUG FLOOR BOX FOR NON-METALLIC SHEATHED CABLE OR CONDUIT						
CATALOG NUMBER	KNOCKOUTS			CU. IN.	STD. PKG.	UPC BAR CODE
	SIDES CONDUIT	ENDS CABLE	BOTTOM			
6236	4-1/2"	4	1-1/2"	18.0	4	



## FLOOR BOXES

### FOR CONCRETE POUR - ROUND

#### Applications

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

#### Cast Iron Floor Boxes

##### Product Features

- Cast iron, water-tight body, fully-adjustable
- Painted gray powder coat paint inside and out for additional corrosion resistance
- 3/4" threaded conduit openings are standard

#### Stamped Steel Floor Boxes Product Features

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

#### General Product Features

- Brass tile flange provided with box
- RACO® 6230 or 6235 carpet flange must be ordered separately (included brass tile ring must be discarded before installing carpet flange)
- RACO® 6249, 6284, 6285, or 6287 brass cover must be ordered separately
- Interior and exterior leveling screws permit adjustment to meet finished floor
- Disposable concrete cap to prevent the entry of concrete during pour included

#### Compliances

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6255, 6257



6261, 6263

RACO FLOOR BOXES

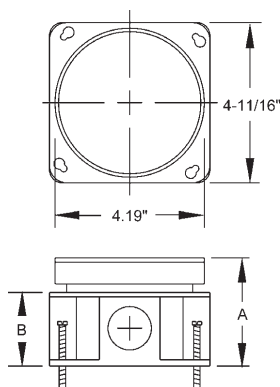
### ORDERING INFORMATION - DIMENSIONS

FULLY-ADJUSTABLE FLOOR BOX STAMPED STEEL								
CATALOG NUMBER	KNOCKOUTS/HUBS		MIN. DEPTH OF POUR	BEFORE POUR EXT. HT. ADJUST.	AFTER POUR INT. FINAL ADJUST.	CU. IN.	STD. PKG. CODE	UPC BAR
	SIDE	BOTTOM						
6255	2-1/2", 2-3/4"	3-1/2", 2-1", 2-1-1/4"	4"	1.25"	.38"	54.0	4	
6257	6-1/2", 4-3/4"	3-1/2"	3"	1.25"	.38"	37.3	4	

FULLY-ADJUSTABLE FLOOR BOX CAST IRON								
CATALOG NUMBER	KNOCKOUTS/HUBS		MIN. DEPTH OF POUR	BEFORE POUR EXT. HT. ADJUST.	AFTER POUR INT. FINAL ADJUST.	CU. IN.	STD. PKG. CODE	UPC BAR
	SIDE	BOTTOM						
6261	4-3/4"	—	3-3/4"	1.25"	.38"	33.0	4	
6263	4-3/4"	—	3"	1.25"	.38"	30.0	4	

DIMENSIONS				
	SHALLOW		DEEP	
	6263 (CAST)	6257 (STEEL)	6261 (CAST)	6255 (STEEL)
MIN. "A"	2.81"	2.91"	3.09"	3.88"
MAX. "A"	3.19"	3.29"	3.47"	4.26"
"B"	1.69"	1.69"	1.94"	2.71"

#### ADJUSTABLE FLOOR BOX



## A86

## FLOOR BOXES

## FOR CONCRETE POUR - RECTANGULAR

## RACO FLOOR BOXES

**Applications**

- RACO® rectangular series floor boxes are ideally suited for heavy floor traffic applications, such as malls, department stores, banks and schools
- Floor boxes are installed in poured concrete floors and are fed with conduit
- RACO® floor boxes are used in branch circuit wiring

**Cast Iron Floor Boxes****Product Features**

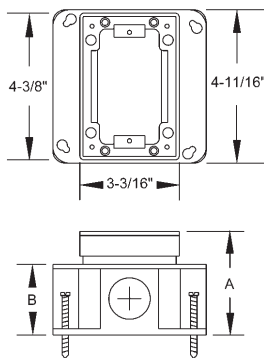
- Cast iron, water-tight body, fully-adjustable
- Gray powder coat paint inside and out for additional corrosion resistance
- 3/4" threaded conduit openings are standard

**Stamped Steel Floor Boxes Product Features**

- Stamped steel, concrete-tight, fully-adjustable
- Zinc-coated finish

**General Product Features**

- Brass tile flange provided with box
- RACO® 6292 or 6295 carpet flange must be ordered separately
- RACO® 6250, 6288, 6289, or 6291 brass cover must be ordered separately
- Disposable concrete cap to prevent the entry of concrete during pour included
- Interior and exterior leveling screws permit adjustment to meet finished floor

**SINGLE-GANG****Compliances**

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- 



6256, 6258



6262, 6264

**ORDERING INFORMATION - DIMENSIONS**

SINGLE-GANG FLOOR BOX – FULLY-ADJUSTABLE, STAMPED STEEL								
CATALOG NUMBER	KNOCKOUTS		MIN. DEPTH OF POUR	BEFORE POUR EXT. HT. ADJUST.	AFTER POUR INT. FINAL ADJUST.	CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE*	BOTTOM						
6256	2-1/2", 2-3/4" 2-1", 2-1-1/4"	3-1/2", 2-3/4"	4"	1.25"	.38"	54.0	4	
6258	6-1/2", 4-3/4"	3-1/2", 2-3/4"	3"	1.25"	.38"	37.3	4	

SINGLE-GANG FLOOR BOX – FULLY-ADJUSTABLE, CAST IRON								
CATALOG NUMBER	THREADED/HUBS		MIN. DEPTH OF POUR	BEFORE POUR EXT. HT. ADJUST.	AFTER POUR INT. FINAL ADJUST.	CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM						
6262	4–3/4"	—	3-3/4"	1.25"	.38"	33.0	4	
6264	4–3/4"	—	3"	1.25"	.38"	30.0	4	

DIMENSIONS				
	SHALLOW		DEEP	
	6264 (CAST)	6258 (STEEL)	6262 (CAST)	6256 (STEEL)
MIN. "A"	2.88"	2.81"	3.19"	3.90"
MAX. "A"	3.26"	3.19"	3.57"	4.28"
"B"	1.81"	1.81"	2.06"	2.83"

- \* 6256 One 1" and one 3/4" knockouts on opposite sides  
One 1-1/4" and one 1/2" knockouts on opposite ends
- \* 6258 One 1/2" and one 3/4" knockouts on opposite ends  
Two 1/2" and one 3/4" knockouts on opposite sides

## FLOOR BOXES

### FOR CONCRETE POUR - RECTANGULAR

#### Applications

- RACO® rectangular series floor boxes are ideally suited for heavy floor traffic applications, such as malls, department stores, banks and schools
- Floor boxes are installed in poured concrete floors and are fed with conduit
- RACO® multiple-gang rectangular floor box series may be used for both single-service and three-service (power and voice/data) applications
- RACO® floor boxes are used in branch circuit wiring

#### Product Features

- Cast iron, water-tight body, fully-adjustable
- Gray powder coat paint inside and out for additional corrosion resistance
- Interior and exterior leveling screws permit adjustment to meet finished floor
- Removable partitions included to meet larger capacity requirements on two and three gang boxes
- Disposable concrete cap to prevent the entry of concrete during the pour included
- 3/4" threaded conduit openings are standard
- RACO® 6250, 6288, 6289, or 6291 brass cover must be ordered separately

#### Compliances

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- 



6269

6275

RACO FLOOR BOXES

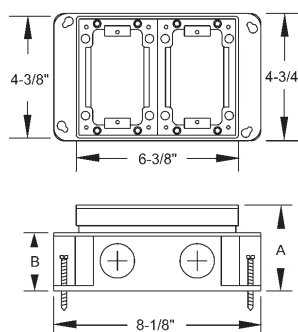
### ORDERING INFORMATION - DIMENSIONS

TWO-GANG FLOOR BOX – FULLY-ADJUSTABLE, CAST IRON								
CATALOG NUMBER	THREADED/HUBS		MIN. DEPTH OF POUR	BEFORE POUR EXT. HT. ADJUST.	AFTER POUR INT. FINAL ADJUST.	CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM						
6269	6-3/4"	—	3-3/4"	1.25"	.63"	36.50 ea. gang	1	—

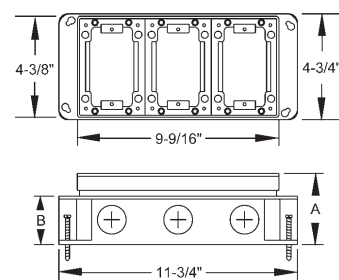
THREE-GANG FLOOR BOX – FULLY-ADJUSTABLE, CAST IRON								
CATALOG NUMBER	THREADED/HUBS		MIN. DEPTH OF POUR	BEFORE POUR EXT. HT. ADJUST.	AFTER POUR INT. FINAL ADJUST.	CU. IN.	STD. PKG.	UPC BAR CODE
	SIDE	BOTTOM						
6275	8-3/4"	—	3-3/4"	1.25"	.63"	34.80 mid. gang 36.50 end gangs	1	—

DIMENSIONS			
	DEEP		
	6269 (CAST)	6275 (CAST)	
MIN. "A"	3.44"	3.44"	
MAX. "A"	4.07"	4.07"	
"B"	2.10"	2.10"	

TWO-GANG



THREE-GANG





**A88****FLOOR BOX COVERS AND FLANGES****BRASS/RECTANGULAR****RACO FLOOR BOXES****Application**

- Rectangular floor box brass covers and flanges are used to complete floor box installations

**Product Features**

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

**Compliances**

- UL
- SP



6292, 6295



6293, 6296



6294, 6297



6250



6288



6289, 6291

**ORDERING INFORMATION - DIMENSIONS****RECTANGULAR FLOOR BOX BRASS COVERS**

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC 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	
6291	Brass cover with 2-1/8" x 3/4" combination plugs	40	

**RECTANGULAR CLEAR POLYCARBONATE AND BRASS CARPET FLANGES**

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
6292	1-Gang brass	20	
6295	1-Gang clear polycarbonate	10	
6293	2-Gang brass	10	—
6296	2-Gang clear polycarbonate	10	—
6294	3-Gang brass	10	
6297	3-Gang clear polycarbonate	15	—



## FLOOR BOXES

### ACCESSORIES AND REPLACEMENT COVERS

#### 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



6208, 6209,  
6225, 6226



6228



6237



6238

RACO FLOOR BOXES

### ORDERING INFORMATION - DIMENSIONS

ABANDON PLUGS – BRASS					
CATALOG NUMBER	DESCRIPTION	THREAD TYPE	FITS RACO® BRASS COVER	STD. PKG.	UPC BAR CODE
6209	3/4" Crowned, Slotted Plug	—	6287, 6291	30	
6225	1" Crowned, Slotted Plug	—	6285, 6289	25	
6226	1-1/2" Flush Slotted Plug	Fine	6284, 6288	25	
6208	2-1/8" Flush Slotted Plug	Fine	6284, 6288	30	
6206	2-1/8" Flush Cap Ring for 3/4" Plug	—	6287, 6291	30	
6205	2-1/8" Flush Cap Ring for 1" Plug	—	6285, 6289	30	

REPLACEMENT COVER FLANGE & ADJUSTABLE COLLARS			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
6228	Rectangular cover flange	15	—
6237	Rectangular single-gang replacement adjustable collar	10	—
6238	Round replacement adjustable collar	4	—



## A90

## FLOOR BOXES

## SERVICE PEDESTALS AND ACCESSORIES

## RACO FLOOR BOXES

## Service Pedestals Applications

- RACO® above-the-floor service pedestals satisfy most service requirements
- These are the traditional metallic pedestals, offered as component parts to satisfy any combination of power or voice/data requirements

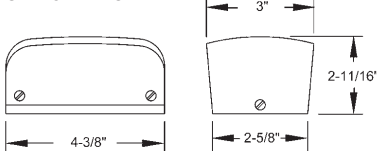
## Product Features

- Service pedestal housing die cast aluminum frame, aluminum housing
- Stainless steel faceplates

## 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

SERVICE PEDESTAL



## Compliance



## ORDERING INFORMATION - DIMENSIONS

## LOW-PROFILE SERVICE PEDESTAL HOUSING - SINGLE SERVICE FOR POWER OR VOICE/DATA

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
6300	Frame housing, 3/4" chase nipple, w/o plates	4	
6301	Frame housing, 1" chase nipple, w/o plates	4	

Create your own pedestal to meet specific service requirements  
Order housing, face plates separately

## FACE PLATES

CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
6310	Rectangular cover flange	25	
6311	Telephone bushing with 1.00" ID and (2) 3/8" KO for coaxial	25	
6312	Single receptacle plate with 1.39" opening	25	
6313	Duplex receptacle plate	25	
6314	Decorator style receptacle plate	25	
6315	Aluminum plate with 1.11" KO	25	

## VOICE/DATA COMBINATIONS

MAX. NO. OF RECPT.	RECEPTACLE TYPE	PLATE(S) QTY.	REQUIRED RACO® CATALOG NUMBER
1	Duplex jack outlet	1	6313, 6310
1	Decorator style of telephone outlet	1	6314, 6310
2	Decorator style of coaxial outlet	2	6314
0	Bushed opening	1	6311, 6310

## POWER COMBINATIONS

MAX. NO. OF RECPT.	RECEPTACLE TYPE	PLATE(S) QTY.	REQUIRED RACO® CATALOG NUMBER
2	Duplex receptacles	2	6313
1	GFI receptacle	1	6314, 6310
1	Surge duplex receptacle	1	6314, 6310
2	Decorator receptacles	2	6314
2	Single receptacles	2	6312

