

GENERAL INFORMATION – STANDARDS, 1999 NATIONAL ELECTRICAL CODE®

MOST OFTEN REQUESTED ARTICLES OF THE 1999 NATIONAL ELECTRICAL CODE®	HOW RACO® PRODUCTS HELP COMPLETE THE INSTALLATION
<p>370-27 (a) Boxes at Lighting Fixture Outlets. Boxes used at lighting fixture outlets shall be designed for the purpose.</p>	<p>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 410-16) or wall fixtures 6 lbs. or less [See 370-27(a) exception].</p>
<p>370-10 Space for Conductors. Canopies and outlet boxes taken together shall provide adequate space so that fixture conductors and their connecting devices can be properly installed.</p>	<p>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.</p>
<p>370-27 (c) Boxes at Fan Outlets. 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.</p>	<p>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.</p>
<p>370-27 (b) Floor Boxes. Boxes listed specifically for this application shall be used for receptacles located in the floor. Exception: Boxes located in elevated floors of show windows and similar locations where the authority having jurisdiction judges them to be 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 C in this catalog.</p>
<p>410-16 (a) Means of Support — Outlet Boxes. Where the outlet box or fitting will provide adequate support, a fixture shall be attached thereto or be supported as required by Section 370-23 for boxes. A fixture that weighs more than 50 pounds (22.7 kg) shall be supported independently of the outlet box.</p>	<p>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.</p>
<p>422-18 Support of Ceiling Fans.</p> <p>(a) Ceiling Fans 35 lbs. or Less. 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.</p> <p>(b) Ceiling Fans Exceeding 35 lbs. Listed ceiling fans exceeding 35 pounds in weight, with or without accessories, shall be supported independently of the outlet box. See Section 370-23.</p>	<p>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.</p>
<p>800-52 (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.</p>	<p>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.</p>


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
- Single-gang boxes have knockouts that break out quickly and cleanly for faster installation
- Positioning tabs for fast accurate mounting on studs or joists
- Oversized nail support that resists hammer impact and prevents box deformation

Standard Material

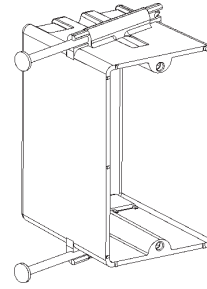
- Made of heavy-duty PVC (Polyvinyl chloride) compound

Compliances

-  – Standard 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



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

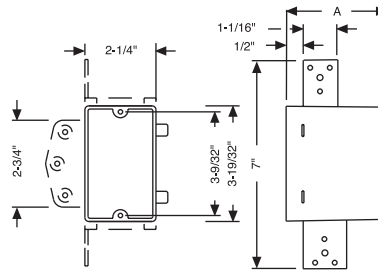


7302, 7820

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
7302	Nails, 1/2" setback	4	18.0	100	
7820	Nails, 1/2" setback	4	20.0	100	

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

SINGLE-GANG CABLE BOX
CAT. NOS. 7302, 7820

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

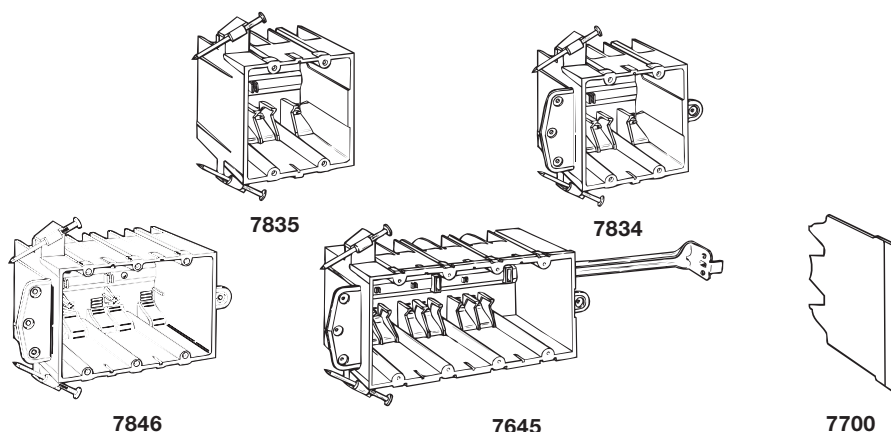
- Made of heavy-duty PVC (Polyvinyl chloride) compound

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 7645), (building codes) UL Orange Book
- Federal Manufacturer's number 28488

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

**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
7835	Nails	8	32.5	20	

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

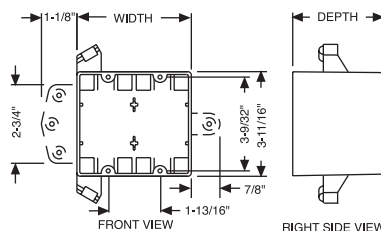
CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7834	Two-gang, nails, 1/2" setback	8	34.3	20	
7846	Three-gang, nails, 1/2" setback	12	45.0	10	
7645	Four-gang, nails, 1/2" setback brkt. support	14	59.0	10	

LOW VOLTAGE PARTITION

CATALOG NUMBER	DESCRIPTION	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7700	For two- & multi-gang switch boxes	—	20	

DIMENSIONS

CATALOG NUMBER	GANG	WIDTH	DEPTH
7835	2	4"	2-29/32"
7834	2	4"	3"
7846	3	5-13/16"	2-21/32"
7645	4	7-5/8"	2-5/8"

**TWO- & MULTI-GANG CABLE BOX
CAT. NOS. 7834, 7835, 7645, 7846****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
- 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

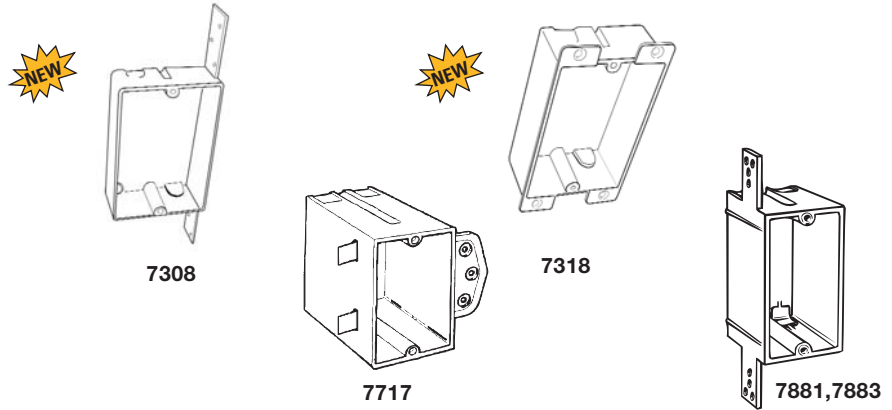
- Made of heavy-duty PVC (Polyvinyl chloride) compound

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

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

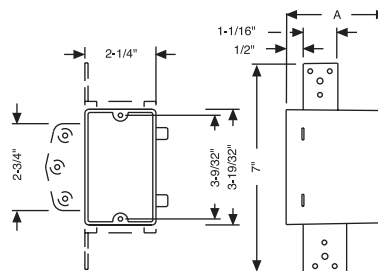


ORDERING INFORMATION - DIMENSIONS

SINGLE-GANG WITH BRACKETS FOR METAL OR WOOD STUDS FOR NONMETALLIC SHEATHED CABLE					
CATALOG NUMBER	DESCRIPTION/ SETBACK	CABLE KNOCKOUTS	CU. IN. CAP.	STD. PKG.	UPC BAR CODE
7308	Bracketed, shallow, 3/8" setback, 3-1/2"H x 2-3/8"W x 1-1/4"D	2	8.0	25	
7318	Flanged, shallow, 3-1/2"H x 2-3/8"W x 1-1/4"D	2	8.0	25	
7717	Face mount, 1/2" setback	4	18.0	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
7717	2-27/32"
7881	2-27/32"
7883	3-3/16"

CAT. NOS.
7717, 7881, 7883



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® 7122 features wrap-around metal clamp to secure box to sheetrock

Standard Material

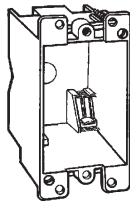
- Made of heavy-duty PVC (Polyvinyl chloride) compound. 7122 is polycarbonate

Compliances

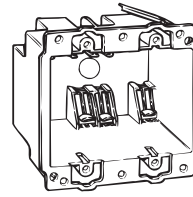
-  – Standard 514-C, File E104681 and R9320
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

Reference Data

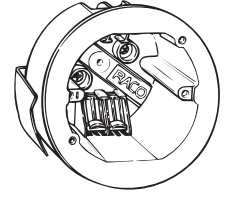
- Old work support U.S. Patent 4,183,486
- Cable clamp U.S. Patent 4,874,905
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599



7887







7488

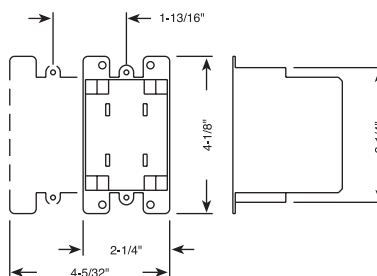
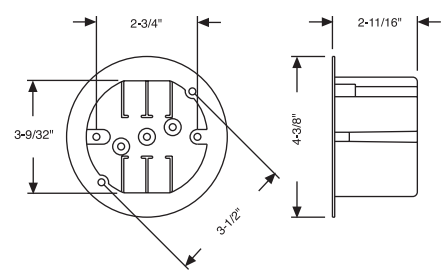


7122

ORDERING INFORMATION - DIMENSIONS

OLD WORK BOXES FOR NONMETALLIC SHEATHED CABLE						
CATALOG NUMBER	DESCRIPTION/SETBACK	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	MAX. RECOMMENDED SUPPORT LOADS FIXTURE (STATIC) LBS.	UPC BAR CODE
7887	Single-gang, old work, flush mount	4	15.3	50	No	
7488	Two-gang, old work, flush mount	6	25.0	25	No	
7122	3-1/2" Round, old work, flush mount	4	17.3	50	5	
7922	3-1/2" Round, old work, flush mount with ground plate	4	17.3	50	No	

DIMENSIONS		
CATALOG NUMBER	GANG	DEPTH
7887	1	2-29/32"
7488	2	2-13/16"

CAT. NOs.
7887, 7488CAT. NOs.
7122, 7922**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
- 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 7220 or 7232 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

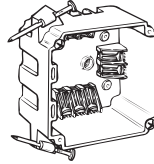
- Made of heavy-duty PVC (Polyvinyl chloride) compound

Compliances

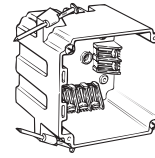
-  – Standard 514-C, File E104681 and R9320
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

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



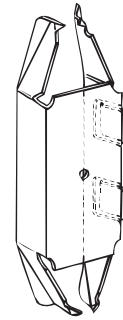
7220



7232



978

980
BOX-LOC®

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
7220	Nails	8	19.0	20	
7232	Nails	8	33.0	20	

*With installation of 980 BOX-LOC® metal stud clip

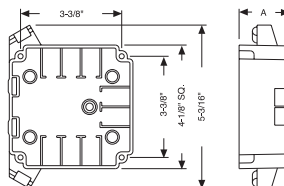
ACCESSORIES

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

DIMENSIONS

CATALOG NUMBER	DEPTH A
7220	1-11/16"
7232	2-11/16"

CAT. NOS. 7220, 7232



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
- 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

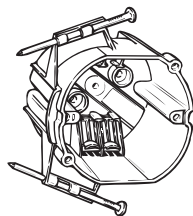
- Made of heavy-duty engineered compound. Base material is polycarbonate

Compliances

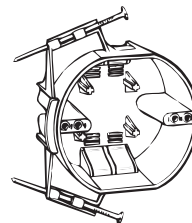
- **UL** – Standard 514-C, File E104681 and R9320
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- Federal Manufacturer's number 28488

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



7919 GRD. PLATE
7119 W/O PLATE



7823 GRD. PLATE
7824 W/O PLATE

ORDERING INFORMATION - DIMENSIONS
**3-1/2" ROUND CEILING WITH CAPTIVE NAILS
FOR NONMETALLIC SHEATHED CABLE – 18.0 CUBIC INCHES**

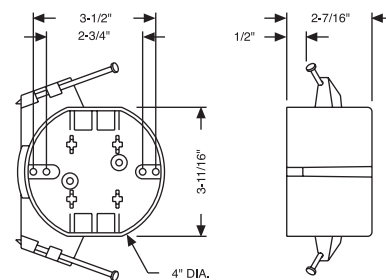
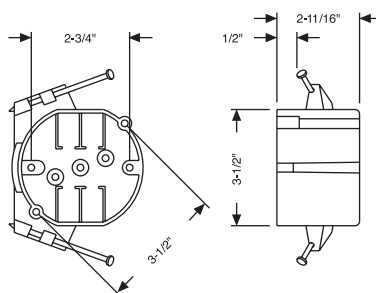
CATALOG NUMBER	DESCRIPTION/SETBACK	CABLE CLAMPS	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7119	Nails, 1/2" setback	4	50		No	50
7919	Nails, grd. plate, 1/2" setback	4	50		No	50

**4" ROUND CEILING WITH CAPTIVE NAILS
FOR NONMETALLIC SHEATHED CABLE – 23.5 CUBIC INCHES**

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

CAT. NOS.
7119, 7919

CAT. NOS.
7823, 7824, 9824



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
- **RACO® 7907, 7307, 7825, 7826 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 only) or lighting fixture canopies are to be installed

Standard Material

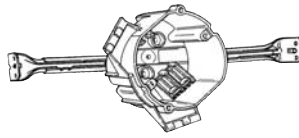
- Made of heavy-duty engineered compound. Base material is polycarbonate

Compliances

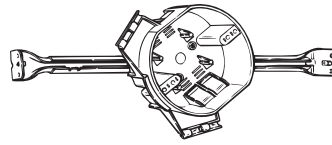
-  – Standard 514-C, File E104681 and R9320
- RACO® 7120 is UL approved for nonmetallic wiring systems
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book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

Reference Data

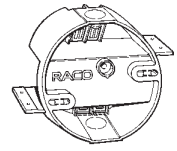
- Cable clamp U.S. Patent 4,874,905 & 4,605,816; Canada Patent 1,233,900
- Mounting holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex device holes U.S. Patent 4,666,055; Canada Patent 1,260,599
- Cat. #7120 U.S. Patent 5,234,119; Mexico Patent 179,825



7907 GRD. PLATE
7307 W/O PLATE



7825 GRD. PLATE
7826 W/O PLATE




SADDLE BOX™
7120

ORDERING INFORMATION - DIMENSIONS

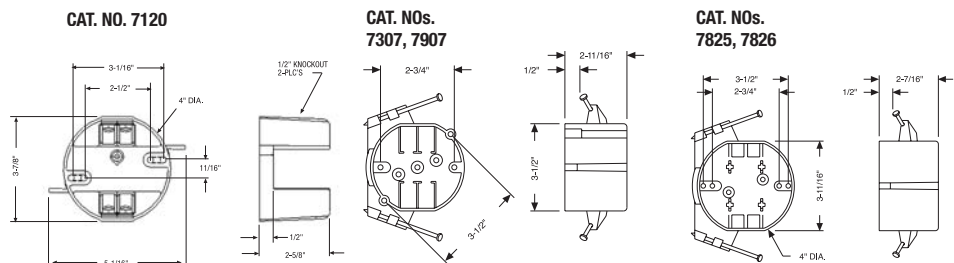
3-1/2" ROUND CEILING SET-UP FOR SPANNING FROM JOIST TO JOIST FOR NONMETALLIC SHEATHED CABLE - 18.0 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7307	Adj. 14-3/4"-22-1/2"	4	25		No	10*
7907	Adj. 14-3/4"-22-1/2" Ground plate	4	25		No	10*

4" ROUND CEILING SET-UP FOR SPANNING FROM JOIST TO JOIST FOR NONMETALLIC SHEATHED CABLE - 23.5 CUBIC INCHES						
CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7826	Adj. 14-3/4"-22-1/2"	4	25		No	10*
7825	Adj. 14-3/4"-22-1/2" Ground plate	4	25		No	10*

* UL Rated for 50 lbs.

4" ROUND CEILING FAN/FIXTURE BOX FOR NONMETALLIC SHEATHED CABLE OR CONDUIT – 12.5 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	KNOCKOUTS SIDES	STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
						CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7120	Ceiling fan/ fixture box	4	2-1/2"	20*		70	70

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



RACO®

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

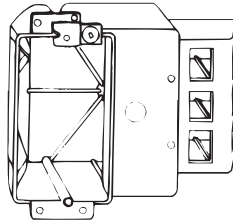
- RACO® nonmetallic cable boxes provide the installer with a cost alternative that is lightweight and easy to install
- Self-gripping wire entry clamps
- All outlet boxes have a front-mounted grounding screw with combination straight/Robertson head
- Positioning tabs provide fast, accurate mounting on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

Standard Materials

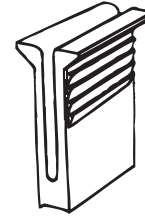
- Made of high strength Noryl®
- Noryl® is a registered trademark of General Electric Corporation

Compliances

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



7320

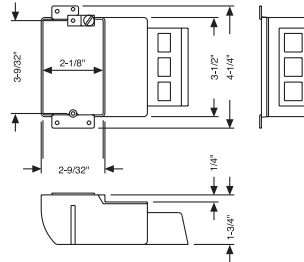


7321

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	—

CAT. NO. 7320



NONMETALLIC CABLE BOXES

VAPOR BARRIER

CSA CERTIFIED

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® 2008 FBAR is not designed for ceiling fan support**


Product Features

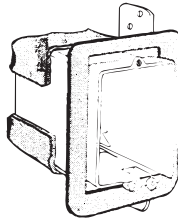
- Self-gripping wire entry clamps
- RACO® Vapor Barrier boxes have a front-mounted grounding screw with combination straight/Robertson head
- Vapor/air barrier flange and integral wire entry seal provides superior energy savings and quick installation

Standard Material

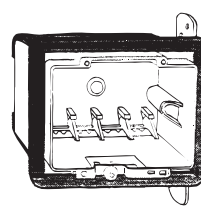
- Made of high strength Noryl®
- Noryl® is a registered trademark of General Electric Corporation

Compliances

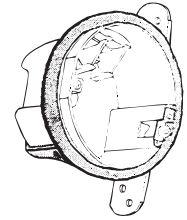
-  – Specifications C22.2 #18
- Federal Manufacturer's number 28488



2011FBAR



2002FBAR



2008FBAR

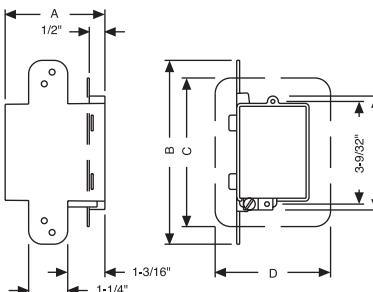
ORDERING INFORMATION - DIMENSIONS

VAPOR BARRIER SWITCH BOXES FOR NONMETALLIC SHEATHED CABLE					
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	—
2002FBAR	Two-gang with flush bracket, 1/2" setback	8	30.0	50	—

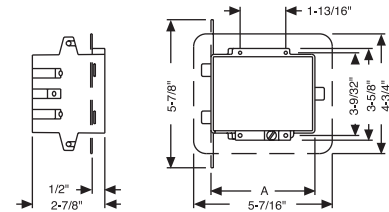
VAPOR BARRIER 4" ROUND CEILING BOX FOR NONMETALLIC SHEATHED CABLE							
CATALOG NUMBER	DESCRIPTION	CABLE CLAMPS	CU. IN. CAP.	STD. PKG.	RECOMMENDED MAX. SUPPORT LOADS		UPC BAR CODE
					CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.	
2008FBAR	Round box with flush bracket, 1/2" setback	4	22.0	50	No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

DIMENSIONS					
CATALOG NUMBER	GANG	A	B	C	D
2002FBAR	2	4-1/8"	—	—	—
2011FBAR	1	3-3/16"	5-7/8"	4-3/4"	3-5/8"

CAT. NO. 2011FBAR



CAT. NO. 2002FBAR



Applications

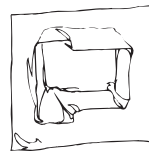
- Vapor/air barrier hats provide energy savings and install quickly
- Designed to be used with any ceiling or wall electrical box

Standard Material

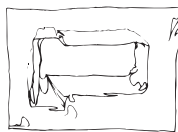
- Vapor barrier hats are made from clear .020 thick utility grade LDPE



7940



7941



7942



7943

ORDERING INFORMATION - DIMENSIONS

VAPOR BARRIER HATS				
CATALOG NUMBER	DESCRIPTION	INTERNAL VOLUME CU. IN.	STD. PKG.	UPC BAR CODE
7940	Single-gang hat	54.9	25	—
7941	Two-gang hat	79.3	25	—
7942	Three-gang hat	97.6	25	—
7943	Ceiling hat	54.9	25	—

ENT NONMETALLIC 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

- TKO® knockouts offer greater flexibility with RACO's patented combination 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

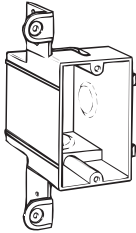
- Made of heavy-duty PVC (Polyvinyl chloride) compound

Compliances

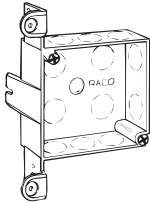
-  – 514-C, File E104681 and R9320
- Boxes are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Boxes are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- ANSI/NEMA TC13-1986
- Federal Manufacturer's number 28488

Reference Data

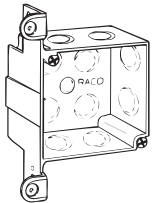
- ENT box U.S. Patent 4,844,275
- Mounting Holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex Device Holes U.S. Patent 4,666,055; Canada Patent 1,260,599



7050






7053



7054

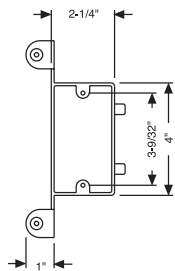
ORDERING INFORMATION - DIMENSIONS

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-TKO®	2-TKO®	—	18.0	50	

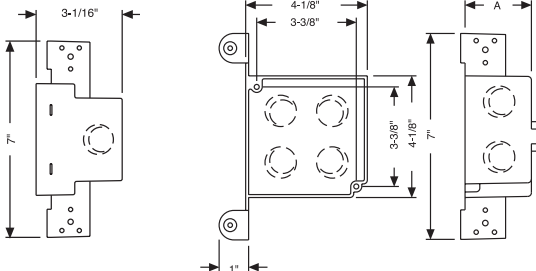
4" SQUARE - METAL OR WOOD STUDS FOR ENT							
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS			CU. IN. CAP.	STD. PKG.	UPC BAR CODE
		SIDES	ENDS	BOTTOM			
7053	Bracketed	2-1/2"	6-1/2"	4-1/2"	22.5	50	
7054	Bracketed	2-TKO®	4-TKO®	4-TKO®	31.0	50	

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

CAT. NO. 7050



CAT. NOS. 7053, 7054



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
- **Ceiling boxes on this page are not designed for ceiling fan support**


Product Features

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

Standard Material

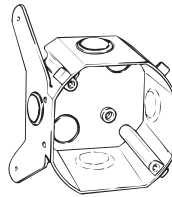
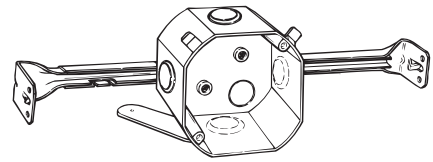
- Made of heavy-duty engineered compound. Base material is polycarbonate


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


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

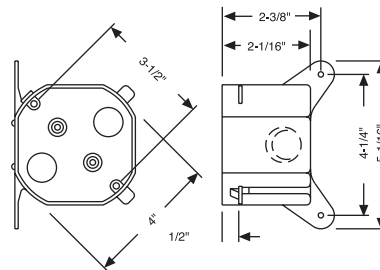
**7052****7051****ORDERING INFORMATION - DIMENSIONS**

4" ROUND CEILING BOX FOR ENT – 20.3 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7052	Bracketed 1/2" Setback	4-TKO®	2-1/2"	50		No	10*

* UL Rated for 50 lbs.

4" ROUND CEILING - SET-UP FOR SPANNING FROM JOIST TO JOIST FOR ENT – 20.3 CUBIC INCHES							
CATALOG NUMBER	DESCRIPTION	KNOCKOUTS		STD. PKG.	UPC BAR CODE	RECOMMENDED MAX. SUPPORT LOADS	
		SIDES	BOTTOM			CEILING FAN (DYNAMIC) LBS.	FIXTURE (STATIC) LBS.
7051	Adj. 14-1/4" – 22-1/2"	4-TKO®	2-1/2"	25		No	10*

* UL Rated for 50 lbs.

CAT. NOS. 7052, 7051**RACO®**

NONMETALLIC BOX ACCESSORIES

COVERS, PLASTER RINGS, PARTITIONS, STRAPS

Application


- RACO® nonmetallic covers and plaster rings are used to finish off box installations

Covers, Plaster Rings, Straps

Standard Materials

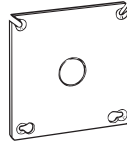
- Made of heavy-duty PVC (Polyvinyl chloride) compound. 7081 is polycarbonate
- 7009 and 7010 are polyethylene

Compliances

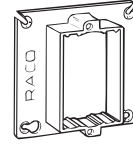
-  – 514-C, File E104681 and R9320
- Covers are listed for their Electrical Applications (Electrical Codes), UL Green Book
- Covers are listed for mechanical properties, including the 2-hour Fire Rating, (building codes) UL Orange Book
- ANSI/NEMA TC13-1986
- Federal Manufacturer's number 28488

Reference Data

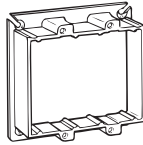
- ENT cover U.S. Patent 4,844,275
- Mounting Holes U.S. Patent 4,580,689; Canada Patent 1,237,515
- Hex Device Holes U.S. Patent 4,666,055; Canada Patent 1,260,599



7080



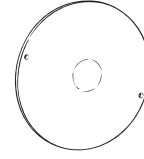
7070, 7071



7075, 7076



7090



7081



7009, 7010

ORDERING INFORMATION - DIMENSIONS

4" SQUARE/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-devices	6.0	50	
7076	Raised, 5/8", 2-devices	7.3	50	
7090	Voltage partition*	—	50	
7081	Round, Flat, 1/2" KO in center	—	50	

* Not UL Listed

ENT ONE-HOLE STRAP			
CATALOG NUMBER	DESCRIPTION	STD. PKG.	UPC BAR CODE
7009	1/2" with preset nail	1,000	—
7010	3/4" with preset nail	500	—