

**Application**

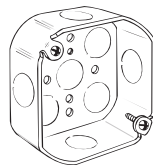
- Octagon boxes are used in the installation of ceiling or wall lighting fixtures

**Product Features**

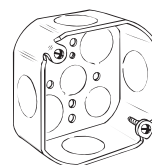
- Combination screw heads provide for faster installation
- RACO® offers a variety of labor saving mounting brackets that allow for easy positioning of box along studs or joists
- See Box Selection section in the front of this catalog for complete description of bracket types and features

**Compliance**

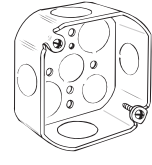
- UL – File E195978



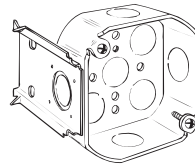
125, 8125



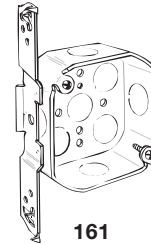
126



127, 8127



158

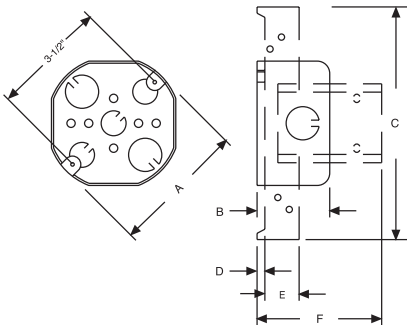


161

**ORDERING INFORMATION - DIMENSIONS**

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	MAX. RECOMMENDED 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"	5-1/2"	50		No	50
126	—	4-3/4"	3-1/2" 2-3/4"	50	—	No	50
127	—	2-1/2" 2-3/4"	3-1/2" 2-3/4"	50	—	No	50
8127	—	2-1/2" 2-3/4"	3-1/2" 2-3/4"	50		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

4" OCTAGON



DIMENSIONS						
CATALOG NUMBER	A	B	C	D	E	F
125, 8125	4"	1-9/16"	—	—	—	—
126	4"	1-9/16"	—	—	—	—
127, 8127	4"	1-9/16"	—	—	—	—
158	4"	1-9/16"	—	1/2"	—	3-1/8"
161	4"	1-9/16"	7-5/32"	1/2"	1-1/4"	—

**RACO®**

## GENERAL INFORMATION – STEEL BOXES AND COVERS

**Applications: Steel Boxes**

RACO® high-quality steel boxes:

- Are used in branch circuit wiring to splice wires
- 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® patented combination 1/2" and 3/4" knockout
- Stock just one product instead of two or three
- One product for the installer to carry

**TKO® Provides Reliable Grounding Path**

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

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

- The products that do not have a grounding 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 wallboard 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



**RACO®**