

Wiremold® Single & Dual-Service Round Floor Boxes

Wiremold® Ratchet-Pro™ Series Floor Boxes provide single- and dual-service capability in a variety of easy-to-install round floor boxes. These designs allow the flexibility for providing power, A/V or communication services to open-space areas in an aesthetic solution. Applications include malls, shopping centers, department stores, airports, hospitals, and office buildings. Ratchet-Pro™ Series Floor Boxes are cULus Listed for use in both on grade and above grade concrete construction.

Ratchet-Pro Series Floor Boxes provide access to power, A/V, and communication services to open-space areas.



FEATURES & BENEFITS

- **Ratchet adjusting ring.** Allows for quick and easy installation without gluing, as well as removal of cover to activate at a future date for dual service*. 10° of flexible adjustment allows cover to conform to the surface of the concrete pour, which significantly reduces labor costs.
- **Parallel conduit hubs.** Allows for conduit feeds to be parallel for both power and communication cables. Reduces labor and material costs by eliminating the need for 90° bends and allows for easier wire pulling for dual-service.
- **Graduated cubic inch markings on interior of the box.** Allows for quick and easy determination of cubic inch capacity – no need for calculations.
- **Complete line of brass, brushed aluminum, and polycarbonate activations.** Provides a wide selection of device and aesthetic options.
- **Corresponding graduated cubic inch markings on divider.** Labor savings provided by easy separation of services. Individual compartment capacities are indicated.
- **Individual conduit reducers & plugs.** Reduction in labor savings by providing a direct reduction to support smaller conduit feeds. 
- **Multiple size conduit feeds.** Conduit feed ranging from 3/4" trade size to 2" trade size openings to allow for more flexibility and capacity. 
- **2" conduit hub.** By using 2HUB with the RPSFB and RPSFB-OG floor boxes (sold separately) a greater capacity of pre-terminated cables can be brought in shallower concrete pours.
- **Slab-on-grade versions.** Boxes offered in PVC and steel with a special fusion bonded epoxy corrosion resistant paint, enables the boxes to be installed in on-grade applications without the need for additional vapor barriers. 
- **Streamlined design of divider.** Labor savings from ease of cutting using a utility knife, no hacksaw or tape measure needed. Also allows for more room to splice wires.
- **"Dead-Front" protection with the RP Series Covers.** Slide covers snap back into place when receptacle is not in use to prevent dirt and debris from entering device.
- **Durable mudcap.** High impact mudcap protects box from damage when heavy equipment such as scissor lift trucks come in contact with the box during installation.
- **Buy America Act aluminum covers.** Round aluminum covers are now available in a version that complies with the Buy America Act and the ARRA requirements. Covers are available in five powder coated finishes (black, gray, brass bronze and nickel). 
- **TopGuard protection.** An integral design which keeps out water, dirt, and debris from the power or communication compartment. Whenever you see the TopGuard protection icon applied to any Wiremold product, you will know that the product meets and exceeds the new UL scrub water exclusion requirement.
- **UL Listed to U.S. and Canadian safety standards for tile, terrazzo, and the new UL requirements under UL514A and UL514C for scrub water exclusion test for carpet and wood floors.**

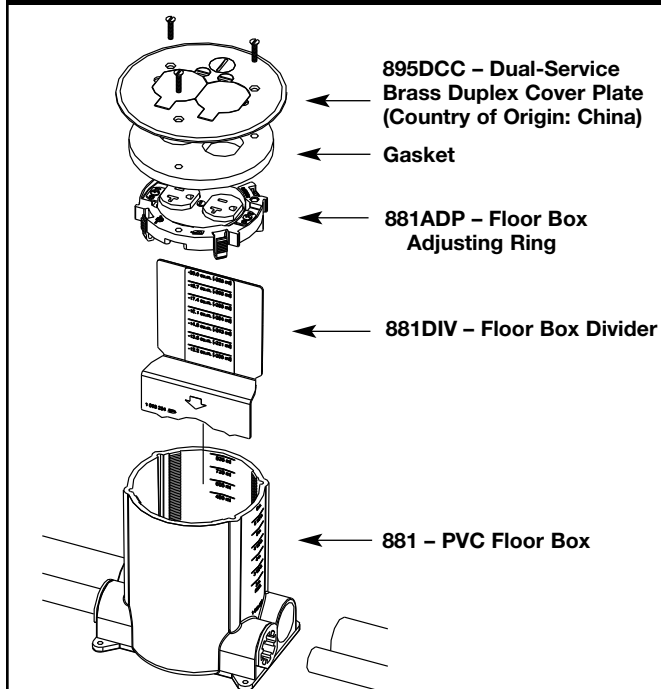
*Conduits must already be connected.



Protection from water, dirt, and debris.

Ratchet-Pro 881 Series Floor Box Specifications

Ratchet-Pro Series Floor Box Components



Ratchet-Pro Series Floor Box shown with available accessories and covers.

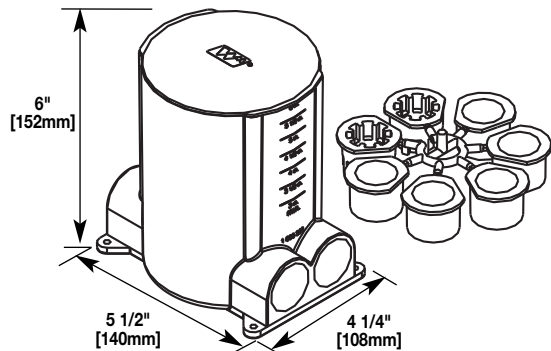
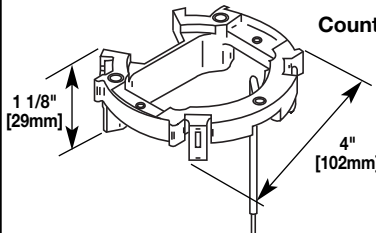
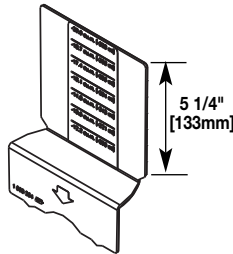
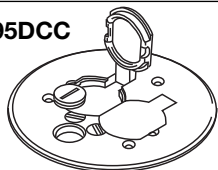
Ratchet-Pro 881 Series Floor Box Volume Capacities

To calculate the total box volume, use displacement of the largest uncut section remaining.

BOX HEIGHT		Single Service 895 & 896 Activations		Dual Service 895DCC Activations	
Inches	[mm]	WIRING VOLUME		WIRING VOLUME (with Divider)	
		Cu. Inches	[mm]	Cu. Inches	[mm]
6	[152.0]	65.0	[1065.0]	15.0	[738.0]
5 1/2	[140.0]	58.0	[950.0]	39.3	[644.0]
5	[127.0]	51.0	[835.0]	33.6	[551.0]
4 1/2	[114.0]	44.0	[720.0]	27.9	[457.0]
4	[102.0]	37.0	[605.0]	22.2	[364.0]
3 1/2	[89.0]	30.0	[490.0]	16.5	[270.0]
3	[76.0]	23.0	[377.0]	10.8	[177.0]

NOTE: To calculate total box volume, use the displacement of the largest uncut section remaining. Do not use in concrete pours less than 4 1/2" [114mm] deep. Installation must comply with NEC and local code conductor volume requirements. Not for use when concrete is the finished floor. Use only for tile, carpet, or wood covered floors.

Ratchet-Pro Series Floor Box Ordering Information

Catalog No./Item	Description /Specifications	Catalog No./Item	Description /Specifications
881	Round Nonmetallic Concrete Floor Box – Round single service nonmetallic concrete floor box. Floor box has four (4) parallel conduit hubs, internal and external graduated markings indicating wiring volume and concrete pour depth respectively. Box Includes: • (1) Durable/reusable protective cap. • (1) Adapter ring (881ADP). • (1) Reducing ring to allow hub to be reduced down to 3/4" and 1/2" trade size openings or blanks to close off any unused openings. Country of Origin: USA 	881ADP	PVC Floor Box Ratchet Adjusting Ring – Used to attach wiring devices and cover plates to PVC Box. Locks into place without using glue or mechanical fasteners. Compensates for up to 10° of tilt if box is not level. Ground wire is factory attached to the adjusting ring. Country of Origin: USA  NOTE: One ring required per box, single-or dual-service.
		881DIV	PVC Floor Box Divider Plate – Used to isolate power and communication compartments. Graduated cubic inch markings are marked clearly on the divider and correspond directly to the cubic inch markings on the interior of the box. Cuts easily with a utility knife. Supplied with a receptacle plate that completes separation of power and communication services. One divider required for dual-service activation. Country of Origin: USA 
881		895DCC	Dual-Service Brass Duplex Cover Plate – With flip lids. Supplied with 1/2" [12.7mm] screw plug for accessing communication cables. 5 1/2" [140mm] diameter for carpet applications only. Used in conjunction with the 881DIV to complete dual-service activation. Country of Origin: China 



Ratchet-Pro Series Floor Box can be used in both on grade and above grade concrete construction.