

RX Drop-In Anchors

Ideal for Hollow-Core, Pre-Cast Plank and Post Tension Slabs



- Optimized for use in hollow-core, pre-cast plank and post-tension slabs
- Lip keeps anchor flush during installation
- Shallow drilling—fast installation



DepthCharge[™]
Stop Drill

- Shoulder prevents over drilling
- Less likely to hit reinforcing steel or post-tension cable in concrete
- No lost time or energy drilling farther than necessary
- Anchor is set at a specified depth, does not drop too far into hole



Red Head makes installation simple, accurate and reliable.



Drill It.

Simply drill the hole to the same diameter as the outside diameter of the anchor being used.



Set It.

After drilling, clean the hole. Drive the anchor flush with the surface of the concrete. Expand the anchor using the setting tool provided in each master carton. The anchor is fully expanded when the shoulder of the setting tool is flush with the top of the anchor.



Use It.

The Red Head anchor is now set. The flush embedment lip keeps the suspended threaded rod at the same length for a clean, finished look.

ITW Red Head offers an entire line of easy to install drop-in anchors



SELECTION CHART – RX DROP-IN ANCHORS

PART NO.	SETTING TOOL PART NO.	BOLT SIZE/ THREADS PER IN.	DRILL BIT SIZE (IN.)	THREAD DEPTH (IN.)	MIN. HOLE DEPTH (IN.)	QTY./WT. (LBS.) PER BOX	QTY./WT. (LBS.) PER MASTER CTN.
RX-38	RTX-138	3/8" - 16	1/2 (12.7)	3/8 (9.5)	3/4 (19.1)	100/ 3.5	1000/ 36
RX-12	RTX-112	1/2" - 13	5/8 (15.9)	1/2 (12.7)	1 (25.4)	50/ 3.0	500/ 31

ULTIMATE TENSION & SHEAR VALUES (Lbs/kN) FOR RX-SERIES (3/4" and 1" EMBEDMENT)*

SIZE In. (mm)	ANCHOR DIA. In. (mm)	EMBEDMENT In. (mm)	2500 PSI (17.2 MPa) CONCRETE		4000 PSI (27.6 MPa) CONCRETE		HOLLOW CORE	
			TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)
3/8 (9.5)	1/2 (12.7)	3/4 (19.1)	1,571 (7.0)	2,295 (10.2)	1,987 (8.8)	2,903 (12.9)	1,908 (8.5)	2,401 (10.7)
1/2(12.7)	5/8 (15.9)	1 (25.4)	2,113 (9.4)	2,585 (11.5)	2,673 (11.9)	3,270 (14.5)	2,462 (11.0)	2,401 (10.7)

* The tabulated values are for RX anchors installed at a minimum of 12 diameters on center and minimum edge distance of 6 diameters for 100 percent anchor efficiency. Spacing and edge distance may be reduced to 6 diameters spacing and 3 diameter edge distance provided the values are reduced 50 percent. Linear Interpolation may be used for intermediate spacings and edge margins.

* Allowable values are based upon a 4 to 1 safety factor. Divide by 4 for allowable load values.

DEPTH CHARGE BITS

PART NO.	DESCRIPTION	DRILLING DEPTH
DCX-138	3/8" Depth Charge Stop Drill	3/4"
DCX-112	1/2" Depth Charge Stop Drill	1"

MULTI-SET II – RX DROP-IN KITS

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
RX-38	3/8" drop-in using 1/2" drill bit	RX-12	1/2" drop-in using 5/8" drill bit
RTX-138	Setting Tool	RTX-112	Setting Tool
DCX-138	3/8" Depth Charge Stop Drill	DCX-112	1/2" Depth Charge Stop Drill
RX-38KIT	Contains: 1,000 RX-38 Anchors, 5 RTX-138 Setting Tools and 2 DCX-138 Depth Charge Stop Drills	RX-12KIT	Contains: 500 RX-12 Anchors, 3 RTX-112 Setting Tools and 1 DCX-112 Depth Charge Stop Drill



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