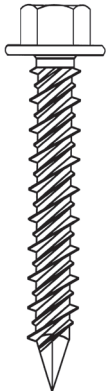


Tapcon® XL Anchors



EXTRA LARGE TAPCON FOR EXTRA LARGE CHALLENGES!

CORROSION RESISTANCE

Salt Spray Test (ASTM B117)

UltraShield

1120 Hrs 10% or less rust

White UltraShield

1500 Hrs 10% or less rust

APPROVALS/LISTINGS

Miami-Dade County – #11-0616.05

Florida Building Code – #13328.1

For the most current approvals/listings visit:
www.itw-redhead.com

INSTALLATION STEPS

Read installation instructions before using!



WARNING:

If there are any questions concerning proper installation, applications or appropriate use of this product, please call our Technical Services Department at 1-800-899-7890. Failure to follow these instructions can result in serious personal injury.

- Select proper fastener – diameter / head style / length.
 - Use selection chart to choose proper length.
- Drill Hole – use selection chart to determine drill bit length and depth of hole.
 - Choose appropriate drill of Tapcon Anchor.
 - Drill hole minimum ¼" deeper than Tapcon Anchor to be embedded.
 - Minimum anchor embedment: 1"
 - Maximum anchor embedment: 1-3/4"
- Insert the adjustable MegaGrip bit tip holder in the small opening of sleeve. Slide the open end of the Condrive XL Installation Tool sleeve over the drill bit and snap in place.
- Drive anchor using MegaGrip adjustable magnetic bit holder with TORX T-40 bit tip

MegaGrip PART#	DESCRIPTION
3400910	MegaGrip Bit Holder



WARNING:

Failure to wear safety glasses with side shields can result in serious personal injury. Always wear ANSI compliant eye protection (ANSI Z87.1-2003).



WARNING:

Using the wrong size drill bit will affect performance values and may cause failure.

PERFORMANCE TABLES

Tapcon® XL Anchors Ultimate Tension and Shear Values (Lbs/kN) in Concrete

ANCHOR DIA. In. (mm)	MIN. DEPTH OF EMBEDMENT In. (mm)	EDGE DISTANCE	f'c = 3000 PSI (20.7 MPa)	
			TENSION Lbs. (kN)	SHEAR Lbs. (kN)
5/16 (7.9)	1-1/4 (31.8)	1-9/16 (39.7)	1,050 (4.7)	1,330 (5.9)
		2-3/16 (55.6)	1,205 (5.4)	1,725 (7.7)
	1-3/4 (44.5)	1-9/16 (39.7)	2,020 (9.0)	1,530 (6.8)
		2-3/16 (55.6)	2,250 (10.0)	2,505 (11.1)
	2-1/4 (57.2)	1-9/16 (39.7)	2,850 (12.7)	1,955 (8.9)
		2-3/16 (55.6)	3,120 (13.9)	3,250 (14.4)

Safe working loads for single installation under static loading should not exceed 25% of the ultimate load capacity.

- Pilot hole diameter shall be 0.263" and drilled 1/4" longer than the necessary embedment.
- Allowable loads are based ultimate test load divide by 4.
- Recommended center to center distance of 3-3/4" is required for 100% efficiency and 1-7/8" for 50% efficiency.
- Embedment is through 1-1/4" face shell of hollow block.

Tapcon® XL Anchors Ultimate Tension & Shear Values in Concrete Masonry Units

ANCHOR DIA. In. (mm)	MINIMUM DEPTH OF EMBEDMENT In. (mm)	EDGE DISTANCE (Inches)	HOLLOW CORE ¹		GROUT-FILLED ²	
			TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)
5/16 (7.9)	1-1/4 (31.8)	4	1,045 (4.6)	2,280 (10.1)	1,045 (4.6)	2,280 (10.1)
	1-3/4 (44.5)	4	NOT RECOMMENDED	NOT RECOMMENDED	1,950 (8.7)	2,825 (12.6)
	2-1/4 (57.2)	4	NOT RECOMMENDED	NOT RECOMMENDED	3,770 (16.8)	3,140 (14.0)

Safe working loads for single installation under static loading should not exceed 25% of the ultimate load capacity.

¹ CMU = 1,600 PSI minimum compressive strength.

² CMU = 1,600 PSI minimum compressive strength with 2,000 PSI grout.