

Tapcon® Storm Guard Anchors



DESCRIPTION/SUGGESTED SPECIFICATIONS

DIRECT MOUNT PERMANENT ANCHORS FOR QUICK AND EASY INSTALLATIONS OF METAL AND PLYWOOD PANELS TO CONCRETE AND BLOCK.



ADVANTAGES

- White UltraShield™ for corrosion protection in coastal environments.
- 1/4-20 x 7/8" external thread above collar.
- No caulking required.
- Threaded chamfered safety collar prevents overdriving.
- 3/16" Hex Drive.
- Use with ANSI standard 3/16" carbide-tipped drill bit. (bit not included)

CORROSION RESISTANCE

Salt Spray Test (ASTM B117) **White UltraShield**
1500 Hrs no red rust

APPROVAL/LISTINGS

Miami-Dade County – #11-0616.04

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

INSTALLATION STEPS

Read installation instructions before using!



CAUTION:

**DO NOT BEND DRILL BIT.
DO NOT FORCE THE DRILL BIT INTO BASE MATERIAL.**

3/16" Nut Driver Installation Tool
(Part # 3426910)



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.

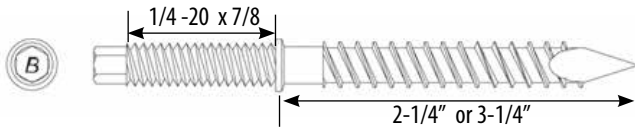
APPLICATIONS



Direct mount permanent anchors for quick and easy installations for metal and plywood panels to wood, hollow block and concrete.

Tapcon® Storm Guard Anchors

SELECTION CHART



Tapcon® Storm Guard Anchors		Diameter.....1/4"	Thread Form..... Original Notched Hi-Lo™
		Point Type.....Nail	Finish.....UltraShield™
PART NO.	DESCRIPTION	COATING	BOX QTY
3424100	1/4" dia. x 2-1/4"	White UltraShield	1,000
3426910	3/16" Nut Driver	---	1

PERFORMANCE TABLES

Tapcon® Storm Guard 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)	
1/4 (6.4)	1 (25.4)	1-1/4 (31.8)	1,230 (5.5)	1,339 (6.0)	
	1 (25.4)	2-1/2 (63.5)	1,701 (7.6)	2,333 (10.4)	
	1-3/4 (44.5)	1-1/4 (31.8)	2,704 (12.0)	1,375 (6.1)	
	1-3/4 (44.5)	2-1/2 (63.5)	2,844 (12.6)	2,618 (11.6)	

Safe working loads for single installation under static loading should not exceed 25% of the ultimate load capacity. Divide by 4.

Tapcon® Storm Guard Anchors		Ultimate Tension and Shear Values (Lbs/kN) in Hollow Concrete Masonry Units		
ANCHOR DIA. In. (mm)	MIN. DEPTH OF EMBEDMENT In. (mm)	EDGE DISTANCE	f'c = 1500 PSI (10.4 MPa)	
			TENSION Lbs. (kN)	SHEAR Lbs. (kN)
1/4 (6.4)	1-1/4 (31.8)	1-1/4 (31.8)	1,955 (8.7)	536 (2.4)
	1-1/4 (31.8)	2-1/2 (63.5)	1,940 (8.6)	1,088 (4.8)

Tapcon® Storm Guard Anchors		Ultimate Tension and Shear Values (Lbs/kN) in Grout-Filled (CMU)		
ANCHOR DIA. In. (mm)	MIN. DEPTH OF EMBEDMENT In. (mm)	EDGE DISTANCE	GROUT-FILLED (CMU) f'c = 2000 PSI (13.8 MPa)	
			TENSION Lbs. (kN)	SHEAR Lbs. (kN)
1/4 (6.4)	1-3/4 (44.5)	1-1/4 (31.8)	3,335 (14.8)	1,207 (5.4)
	1-3/4 (44.5)	2-1/2 (63.5)	3,779 (16.8)	2,061 (9.2)