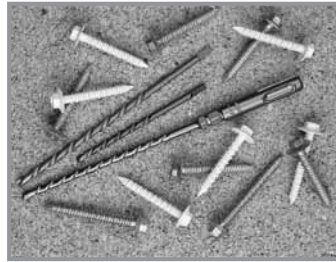




Choose from a variety of TAPCON to meet your specific needs!

Maxi-Set Tapcon® Masonry Fastening System

For Tapcon® applications that require more anchor bearing surface.



Head Style

5/16" across flats hex with 5/8" diameter flange.



Applications

- Shutters - protective and decorative.
- Screened porch and pool enclosures.
- Various sheet metal flashings.
- Decorative wrought iron.
- Wood nailers and plywood attachment.

Stainless Steel Tapcon® Masonry Fastening System

410 Stainless Steel. Climaseal Coated



Approved for use in
ACQ Treated Lumber

Technical Data

PERFORMANCE TABLE											
Tapcon® Anchors				Ultimate Tension and Shear Values (Lbs/kN) in Hollow Block							
ANCHOR DIA. In. (mm)		ANCHOR EMBEDMENT In. (mm)		LIGHT WEIGHT BLOCK				MEDIUM WEIGHT BLOCK			
				TENSION Lbs. (kN)		SHEAR Lbs. (kN)		TENSION Lbs. (kN)		SHEAR Lbs. (kN)	
3/16	(4.8)	1	(25.4)	220	(1.0)	400	(1.8)	340	(1.5)	730	(3.2)
1/4	(6.4)	1	(25.4)	250	(1.1)	620	(2.8)	500	(2.2)	1,000	(4.4)

Safe working loads for single installation under static loading should not exceed 25% of the ultimate load capacity.
NOTE: 3/16" Tapcon requires 5/32" bit, 1/4" Tapcon requires 3/16" bit.

PERFORMANCE TABLE							
Tapcon® Anchors		Allowable Edge and Spacing Distances Tapcon®					
PARAMETER	ANCHOR DIA. Inch	NORMAL WEIGHT CONCRETE			CONCRETE MASONRY UNITS (CMU)		
		FULL CAPACITY (Critical Distance Inches)	REDUCED CAPACITY (Minimal Distance Inches)	LOAD REDUCTION FACTOR	FULL CAPACITY (Critical Distance Inches)	REDUCED CAPACITY (Minimal Distance Inches)	LOAD REDUCTION FACTOR
Spacing Between Anchors - Tension	3/16	3	1-1/2	0.73	3	1-1/2	1.00
	1/4	4	2	0.66	4	2	0.84
Spacing Between Anchors - Shear	3/16	3	1-1/2	0.83	3	1-1/2	1.00
	1/4	4	2	0.82	4	2	0.81
Edge Distance - Tension	3/16	1-7/8	1	0.71	3	2	0.91
	1/4	2-1/2	1-1/4	0.78	4	2	0.88
Edge Distance - Shear	3/16	2-1/4	1-1.8	0.70	3	2	0.93
	1/4	3	1-1/2	0.59	4	2	0.80

For Sl: 1 inch = 25.4 mm

PERFORMANCE TABLE												
Tapcon® Anchors			Ultimate Tension and Shear Values (Lbs/kN) in Concrete									
ANCHOR DIA. In. (mm)	MIN. DEPTH OF EMBEDMENT In. (mm)		f _c = 2000 PSI (13.8 MPa)			f _c = 3000 PSI (20.7 MPa)			f _c = 4000 PSI (27.6 MPa)		f _c = 5000 PSI (34.5 MPa)	
			TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)		
3/16 (4.8)	1	(25.4)	600 (2.7)	720 (3.2)	625 (2.8)	720 (3.2)	650 (2.9)	720 (3.2)	800 (3.6)	860 (3.8)		
	1-1/4	(31.8)	845 (3.7)	720 (3.2)	858 (3.8)	720 (3.2)	870 (3.9)	720 (3.2)	1,010 (4.5)	860 (3.8)		
	1-1/2	(38.1)	1,090 (4.8)	860 (3.8)	1,090 (4.8)	860 (3.8)	1,090 (4.8)	860 (3.8)	1,220 (5.4)	860 (3.8)		
	1-3/4	(44.5)	1,450 (6.5)	870 (3.9)	1,455 (6.5)	870 (3.9)	1,460 (6.5)	990 (4.4)	1,730 (7.7)	990 (4.4)		
1/4 (6.4)	1	(25.4)	750 (3.3)	900 (4.0)	775 (3.4)	900 (4.0)	800 (3.6)	1,360 (6.1)	950 (4.2)	1,440 (6.4)		
	1-1/4	(31.8)	1,050 (4.7)	900 (4.0)	1,160 (5.2)	900 (4.0)	1,270 (5.6)	1,360 (6.1)	1,515 (6.7)	1,440 (6.4)		
	1-1/2	(38.1)	1,380 (6.1)	1,200 (5.3)	1,600 (7.2)	1,200 (5.3)	1,820 (8.1)	1,380 (6.1)	2,170 (9.7)	1,670 (7.4)		
	1-3/4	(44.5)	2,020 (9.0)	1,670 (7.4)	2,200 (9.8)	1,670 (7.4)	2,380 (10.6)	1,670 (7.4)	2,770 (12.3)	1,670 (7.4)		

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