

SELECTION CHART

Tapcon® Anchors with Blue Climaseal

Diameter 3/16" and 1/4"

Point Type Nail

All boxes of Tapcon anchors come packaged with matching carbide-tipped bit. Tapcon is packaged 100 pieces per box and 500 pieces per master carton except 3205407 and 3203407 (400 in master carton).

Thread Form Advanced Threadform Technology™

Finish Blue Climaseal™

FIXTURE THICKNESS INCHES	RECOMMENDED TAPCON LENGTH		PART NO. 3/16" HEX HEAD	PART NO. 1/4" HEX HEAD	PART NO. 3/16" FLAT HEAD	PART NO. 1/4" FLAT HEAD	BIT LENGTH		STRAIGHT SHANK BITS FOR 3/16" TAPCON PART NO.	STRAIGHT SHANK BITS FOR 1/4" TAPCON PART NO.
	in.	(mm)					in.	(mm)		
0" – 1/4"	1-1/4	(31.8)	3139407	3153407	3169407	3183407	3-1/2	(88.9)	–	3098910
1/4" – 3/4"	1-3/4	(44.5)	3141407	3155407	3171407	3185407	3-1/2	(88.9)	–	3098910
3/4" – 1-1/4"	2-1/4	(57.2)	3143407	3157407	3173407	3187407	4-1/2	(114.3)	3096910	3099910
1-1/4" – 1-3/4"	2-3/4	(69.9)	3145407	3159407	3175407	3189407	4-1/2	(114.3)	3096910	3099910
1-3/4" – 2-1/4"	3-1/4	(82.6)	3147407	3161407	3177407	3191407	5-1/2	(139.7)	3097910	3100910
2-1/4" – 2-3/4"	3-3/4	(95.3)	–	3163407	–	3193407	5-1/2	(139.7)	3097910	3100910
2-1/2" – 3"	4	(101.6)	–	3165407	–	3195407	5-1/2	(139.7)	3097910	3100910
3-1/2" – 4"	5	(127.0)	–	3167407	–	3197407	6-1/2	(165.1)	–	–
4-1/2" – 5"	6	(152.4)	–	3205407	–	3203407	7-1/2	(190.5)	–	3206910

Additional Tapcon bits are available 10 per tube.

SELECTION CHART

Tapcon® 410 SS Anchor

Diameter 3/16" and 1/4"

Point Type Nail

All boxes of Tapcon anchors come packaged with matching carbide-tipped bit. Tapcon is packaged 100 pieces per box and 500 pieces per master carton except 3461907 (400 in master carton).

Thread Form Original Notched Hi-Lo™

Finish 410 Stainless Steel with Silver Climashield™

FIXTURE THICKNESS INCHES	RECOMMENDED TAPCON LENGTH		PART NO. 1/4" HEX HEAD	PART NO. 3/16" FLAT HEAD	PART NO. 1/4" FLAT HEAD	BIT LENGTH		STRAIGHT SHANK BITS FOR 3/16" TAPCON PART NO.	STRAIGHT SHANK BITS FOR 1/4" TAPCON PART NO.
	in.	(mm)				in.	(mm)		
0" – 1/4"	1-1/4	(31.8)	3367907	–	3373907	3-1/2	(88.9)	–	3098910
1/4" – 3/4"	1-3/4	(44.5)	3368907	3418907	3374907	3-1/2	(88.9)	–	3098910
3/4" – 1-1/4"	2-1/4	(57.2)	3369907	3419907	3375907	4-1/2	(114.3)	3096910	3099910
1-1/4" – 1-3/4"	2-3/4	(69.9)	3370907	3420907	3376907	4-1/2	(114.3)	3096910	3099910
1-3/4" – 2-1/4"	3-1/4	(82.6)	3371907	–	3377907	5-1/2	(139.7)	3097910	3100910
2-1/4" – 2-3/4"	3-3/4	(95.3)	3372907	–	3378907	5-1/2	(139.7)	3097910	3100910
2-1/2" – 3"	4	(101.6)	–	–	–	5-1/2	(139.7)	–	3100910
3-1/2" – 4"	5	(127.0)	3460907	–	–	6-1/2	(165.1)	–	–
4-1/2" – 5"	6	(152.4)	–	–	–	7-1/2	(190.5)	–	–

Tapcon® SDS Bits

PART NUMBER	DESCRIPTION
3311910	7" (SDS Rotohammer Bits for use with 3/16" Tapcon)
7901060	5" (SDS Rotohammer Bits for use with 1/4" Tapcon)

All SDS bits are sold individually.

PERFORMANCE TABLE

Tapcon® Anchors

Ultimate Tension and Shear Values (lbs/kN) in Solid Concrete

ANCHOR DIA.		MIN. DEPTH OF EMBEDMENT		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		SHEAR		TENSION		SHEAR		TENSION		SHEAR		TENSION		SHEAR	
in.	(mm)	in.	(mm)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	lbs.	(kN)	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.