

Size (in)	MiTek Stock No.	Ref. No.	Drill Bit Dia. (in)	Head Size (in)	Minimum Anchor Embedment (in)	Maximum Installation Torque (ft-lbs)	Uncracked Concrete		Cracked Concrete		Ordering MiTek Stock No.	Pieces per Selling Unit	Selling Unit per Master Carton
							Allowable Tension (lbs)	Allowable Shear (lbs)	Allowable Tension (lbs)	Allowable Shear (lbs)			
5/16 x 2-1/4	SACH516214-EXT	--	5/16	1/2	1-1/2	10	1235	1330	--	--	SACH516214-EXTR20	20	6
5/16 x 3	SACH516300-EXT	--	5/16	1/2	2	10	1235	1330	--	--	SACH516300-EXTR20	20	6
3/8 x 3	SACH038300-EXT	THD37300HMG	3/8	9/16	2-1/2	35	1885	1955	1190	1280	SACH038300-EXTR10	10	6
3/8 x 4	SACH038400-EXT	THD37400HMG	3/8	9/16	2-1/2	35	1885	1955	1190	1280	SACH038400-EXTR10	10	4
											SACH038400-EXTR40F	40	1
1/2 x 4	SACH012400-EXT	THD50400HMG	1/2	3/4	3	45	2465	2655	1535	2065	SACH012400-EXTR20F	20	1
1/2 x 5	SACH012500-EXT	THD50500HMG	1/2	3/4	3	45	2465	2655	1535	2065	SACH012500-EXTR20F	20	1
1/2 x 6	SACH012600-EXT	THD50600HMG	1/2	3/4	3	45	2465	2655	1535	2065	SACH012600-EXTR20	20	3
											SACH012600-EXTR20F	20	1
5/8 x 6	SACH058600-EXT	THD62600HMG	5/8	15/16	3-1/4	85	2415	2605	1710	1845	SACH058600-EXTR10	10	3
											SACH058600-EXTR12F	12	1
5/8 x 6-1/2	SACH058612-EXT	THD62612HMG	5/8	15/16	3-1/4	85	2415	2605	1710	1845	SACH058612-EXTR10	10	3
											SACH058612-EXTR10F	10	1
5/8 x 8	SACH058800-EXT	THD62800HMG	5/8	15/16	3-1/4	85	2415	2605	1710	1845	SACH058800-EXTR8	8	--
											SACH058800-EXTR8F	8	1

1) Example Allowable Stress Design (ASD) values include an approximate safety factor of 4.

2) Values based on single anchor installations and do not consider critical edge distance or spacing. For full design information on 3/8", 1/2", and 5/8" sizes refer to ICC-ES ESR-4419.

3) Values in table assume concrete strength $f'_c = 4,000$ psi.

4) ASD values derived from the assumption of a single anchor with 30% dead load and 70% live load, and a controlling load combination of 1.2D+ 1.6L.

5) Values are for shear or tension only and do not work for a combination of such.