

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)					Fastener Schedule ⁴				Min. Required Bolt End Distance ⁵	Length of Bolt in Vertical Member	DF/SP Allowable Tension Loads (Lbs.) ^{1,2,3}	
			W	H	D	BH	CL	Anchor Bolt Dia.	Bolts		160%			Δ (in) ⁶	
									Qty	Dia.					
TD5	--	7	3	6-3/8	3-3/4	1-1/4	2-1/8	3/4	2	3/4	5-1/4	1-1/2"	2405	0.122 ⁶	
												3"	4040	0.140 ⁶	
												3-1/2"	4040	0.140 ⁶	
												5-1/2"	4040	0.140 ⁶	
TD7	--	3	3-3/8	11-7/8	3-5/8	3-3/8	2-1/8	1-1/8	3	7/8	6-1/8	1-1/2"	4600	0.095 ⁶	
												3"	8195	0.125 ⁶	
												3-1/2"	9420	0.139 ⁶	
												5-1/2"	10510	0.152 ⁶	
TD9	--	3	3-3/8	16-1/2	4-1/4	4-1/8	2-1/8	1-1/8	3	1	7	3"	9330	0.146 ⁶	
												3-1/2"	10715	0.160 ⁶	
												4-1/2"	13370	0.169 ⁶	
												5-1/2"	13500	0.170 ⁶	
TD12	HD12	3	3-1/2	20-1/2	4-1/4	4-1/8	2-1/8	1-1/8	4	1	7	3"	12070	0.132 ⁶	
												3-1/2"	13960	0.142 ⁶	
												4-1/2"	16550	0.185 ⁶	
												5-1/2"	16550	0.185 ⁶	
TD15	HD19	3	3-1/2	25	4-3/8	4-1/4	2-1/8	1-1/4	5	1	7	3"	14505	0.167 ⁶	
												3-1/2"	16845	0.178 ⁶	
												4-1/2"	20710	0.155 ⁶	
												5-1/2"	20390	0.153 ⁶	
TDX2-TZ	HD3B	12	2-1/16	8-1/8	2-3/4	4-1/2	1-1/2	5/8	2	5/8	4-1/2	1-1/2"	1920	0.150 ⁶	
												3"	3295	0.169 ⁶	
												3-1/2"	3295	0.169 ⁶	
												5-1/2"	3295	0.169 ⁶	
TDX5	--	10	2-1/2	9-3/8	3-7/8	6	2	3/4	2	3/4	5-1/4	1-1/2"	2340	0.079 ⁶	
												3"	4515	0.151 ⁶	
												3-1/2"	4530	0.151 ⁶	
												4-1/2"	4530	0.151 ⁶	
TDX6	HD5B	7	3-1/2	11-1/8	3-3/4	6-1/8	2	7/8	2	7/8	6-1/8	1-1/2"	2835	0.093 ⁶	
												3"	5350	0.128 ⁶	
												3-1/2"	5805	0.138 ⁶	
												4-1/2"	5805	0.138 ⁶	
TDX8	--	7	3-1/2	14-5/8	3-3/4	6-1/8	2	7/8	3	7/8	6-1/8	1-1/2"	4160	0.060 ⁶	
												3"	7870	0.132 ⁶	
												3-1/2"	9125	0.172 ⁶	
												4-1/2"	9125	0.172 ⁶	
TDX10	HD7B	7	3-1/2	18-1/8	3-3/4	6-1/8	2	7/8	4	7/8	6-1/8	3"	10140	0.128 ⁶	
												3-1/2"	10570	0.137 ⁶	
												4-1/2"	10570	0.137 ⁶	
												5-1/2"	10570	0.137 ⁶	
TDX14	HD9B	3	3-1/2	20-1/2	3-5/8	7	2-1/8	1	4	1	7	3"	11995	0.117 ⁶	
												3-1/2"	13895	0.146 ⁶	
												4-1/2"	15015	0.166 ⁶	
												5-1/2"	15015	0.166 ⁶	

1) Allowable loads shown are for single shear connections and may be doubled for back-to-back installations. The designer must verify post and anchor bolt capacities.

2) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

3) The designer must specify stud or post to resist published load values.

4) The designer must specify anchor bolt type, length, and embedment.

5) TD models - install TD holdown raised off of bottom plate if the BH dimension is less than end distance dimension.

6) Deflections are derived from static, monotonic load tests of devices connected to DF wood members and consider both the deflection of the holddown and cross grain crushing of the wood post.

7) The designer shall consider the effect of compression, bearing, tension, and combined bending due to device eccentricity when applicable.

8) The TD/TDX may be elevated off the sill which may increase deflection. Reference Holdown Offset Anchor Bolt Notes for more information.