

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)					Fastener Schedule <sup>4</sup>				Min. Required Bolt End Distance <sup>5</sup>	Length of Bolt in Vertical Member	DF/SP Allowable Tension Loads (Lbs.) <sup>1,2,3</sup>	
			W	H	D	BH	CL	Anchor Bolt Dia.	Bolts		160%			Δ (in) <sup>8</sup>	
									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 <sup>6</sup>	
												3"	4040	0.140 <sup>6</sup>	
												3-1/2"	4040	0.140 <sup>6</sup>	
												5-1/2"	4040	0.140 <sup>6</sup>	
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 <sup>6</sup>	
												3"	8195	0.125 <sup>6</sup>	
												3-1/2"	9420	0.139 <sup>6</sup>	
												5-1/2"	10510	0.152 <sup>6</sup>	
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 <sup>6</sup>	
												3-1/2"	10715	0.160 <sup>6</sup>	
												4-1/2"	13370	0.169 <sup>6</sup>	
												5-1/2"	13500	0.170 <sup>6</sup>	
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 <sup>6</sup>	
												3-1/2"	13960	0.142 <sup>6</sup>	
												4-1/2"	16550	0.185 <sup>6</sup>	
												5-1/2"	16550	0.185 <sup>6</sup>	
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 <sup>6</sup>	
												3-1/2"	16845	0.178 <sup>6</sup>	
												4-1/2"	17755	0.202 <sup>6</sup>	
												5-1/2"	17755	0.202 <sup>6</sup>	
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 <sup>6</sup>	
												3"	3295	0.169 <sup>6</sup>	
												3-1/2"	3295	0.169 <sup>6</sup>	
												5-1/2"	3295	0.169 <sup>6</sup>	
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 <sup>6</sup>	
												3"	4515	0.151 <sup>6</sup>	
												3-1/2"	4530	0.151 <sup>6</sup>	
												4-1/2"	4530	0.151 <sup>6</sup>	
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 <sup>6</sup>	
												3"	5350	0.128 <sup>6</sup>	
												3-1/2"	5805	0.138 <sup>6</sup>	
												4-1/2"	5805	0.138 <sup>6</sup>	
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 <sup>6</sup>	
												3"	7870	0.132 <sup>6</sup>	
												3-1/2"	9125	0.172 <sup>6</sup>	
												4-1/2"	9125	0.172 <sup>6</sup>	
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 <sup>6</sup>	
												3-1/2"	10570	0.137 <sup>6</sup>	
												4-1/2"	10570	0.137 <sup>6</sup>	
												5-1/2"	10570	0.137 <sup>6</sup>	
TDX14	HD9B	3	3-1/2	20-1/2	3-5/8	7	2-1/8	1	4	1	7	3"	11995	0.117 <sup>6</sup>	
												3-1/2"	13895	0.146 <sup>6</sup>	
												4-1/2"	15015	0.166 <sup>6</sup>	
												5-1/2"	15015	0.166 <sup>6</sup>	

- 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 holdown and fastener slippage.
- 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.