

MiTek Stock No.	Ref. No.	Steel Gauge	Qty of RPBs	Fastener Schedule ^{10,11}				DF/SP Allowable Loads (Lbs.) ^{1,5}				
				Post		Base		Uplift 160%	F2 160%	F3 160%		
				Qty	Wood Screw	Qty	Type ^{2,3}					
RPB-TZ	RPBZ	12	Concrete Base with Post Flush to Corner⁶									
			1	4	WS3	2	3/8" x 2-1/2"		1525	710	495	
						4	Tapper+		735	655		
			1	4	WS15	2	3/8" x 2-1/2"		1470	710	495	
						4	Tapper+		735	655		
			Concrete Base with Post 2-1/2" from Concrete Edge^{4,6}									
			1	4	WS15 or WS3	2	3/8" x 2-1/2"		1470 ⁹	710	495	
						4	Tapper+		865	655		
			2 ⁴	8	WS15 or WS3	4	3/8" x 2-1/2"		2295	990	990	
						8	Tapper+		1735			
			LVL Base/SP Base^{7,8}									
			1	4	WS15 or WS3	4	WS15		1110	960	495	
			2	8	WS15 or WS3	8			2220			

1) Allowable loads are for DF/SP 4x4, 6x6, or larger posts. For SPF/HF loads, multiply the allowable load by 0.86.

2) Use DeWalt 3/8" x 2-1/2" Screw-Bolt™+ screw anchor; or equal, installed in accordance with manufacturer's specification. Screw anchors are not supplied.

3) Use Powers 1/4" x 1-3/4" Tapper+ concrete screw anchor (not supplied); or equal, installed in accordance with manufacturer's specification.

4) When installing connectors in pairs, the post must be a minimum of 2-1/2" from the edge of the concrete.

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

6) Concrete compressive strength shall be 2,500 psi or greater at 28 days.

7) LVL framing base shall be at least 1-3/4" thick.

8) SP framing base shall be at least 1-1/2" thick.

9) Allowable uplift for single RPB-TZ using WS3 structural wood screws with Screw-Bolt™+ screw anchors for concrete base with post 2-1/2" from concrete edge is 1,525 lbs.

10) MiTek's structural wood screws and DeWalt screw anchors should be used only in interior-dry and non-corrosive environments.

11) Use MiTek's WS15-EXT or WS3-EXT structural wood screws when installing to treated wood.