

Size (in)	MiTek Stock No.	Ref. No.	Dimensions (in)				Finish <sup>1</sup>	DF/SP Allowable Loads (Lbs.) <sup>2,4</sup>						S-P-F Allowable Loads (Lbs.) <sup>2,4</sup>						
			L	SH	T	Shear (100%)				Withdrawal Capacity (Lbs/in of thread)	Steel-to-Wood Withdrawal Capacity (Lbs.) <sup>5</sup>	Shear (100%)				Withdrawal Capacity (Lbs/in. of thread)	Steel-to-Wood Withdrawal Capacity (Lbs.) <sup>5</sup>			
						Steel-to-Wood						Steel-to-Wood								
						Gauge						Gauge								
						14		10	7			3	14	10	7			3	100%	100%
1/4 x 1-1/2	WS15	--	1-1/2	1/4	1-1/4	Zinc	--	230	261	259	266	164	206	--	188	211	190	217	103	129
1/4 x 2	WS2	--	2	1/4	1-3/4	Zinc	--	306	307	289	316	160	281	--	215	244	249	248	117	204
1/4 x 2-1/2	WS25	--	2-1/2	1/4	2	Zinc	--	362	352	338	369	199	398	--	256	292	286	294	141	281
1/4 x 3	WS3	--	3	3/4	2	Zinc	268	418	396	387	457	199	398	227	297	340	322	365	141	281
1/4 x 3-1/2	WS35	--	3-1/2	3/4	2-1/2	Zinc	398	451	460	454	481	208	520	311	338	380	356	370	154	385
1/4 x 4-1/2	WS45	--	4-1/2	1-1/4	3	Zinc	415	516	588	589	531	214	642	364	421	460	425	379	163	489
1/4 x 5	WS5	--	5	1-3/4	3	Zinc	415	516	588	589	531	214	642	364	421	460	425	379	163	489
1/4 x 6	WS6	--	6	1-3/4	4	Zinc	415	516	588	589	531	214	856	364	421	460	425	379	163	489
1/4 x 8	WS8	--	8	4-3/4	3	Zinc	415	516	588	589	531	214	642	364	421	460	425	379	163	489

1) Zinc = Yellow Zinc Dichromate.

2) Allowable shear loads assume a side plate tensile strength of 45 ksi for 14 gauge and 10 gauge, 52 ksi for 7 gauge and 58 ksi for 3 gauge.

3) Shear loads for wood-to-wood connections assume a side member thickness of 1-1/2".

4) Loads are for 100% duration of load factors, and may be increased for other duration factors in accordance with the NDS.

5) Withdrawal loads for steel-to-wood connections assume a side plate thickness of 1/4" or less.