

Screw Connections - Per AISI Section E4.

Allowable Loads (lb/screw)

Steel Thickness mils	Steel Prop. (ksi) Design (in)	Steel Prop. (ksi)		No. 8 0.164 in. dia.			No. 6 0.168 dia.		
		Fy (ksi)	Fu (ksi)	Shear	Pullout	Pullover	Shear	Pullout	Pullover
27	0.0283	33	45	121	59	159	123	61	159
24 SFS	0.0235	57	65	133	71	191	134	73	191
30	0.0312	33	45	141	65	176	142	67	176
33	0.0346	33	45	164	72	195	166	74	195
43	0.0451	33	45	244	94	254	247	97	254
54	0.0566	33	45	344	118	318	348	121	318
68	0.0713	33	45	474	149	401	485	153	401

- Notes:
1. All values assume that the nominal strength of the screw itself is at least 1.25 times the design strength. Listed values use a factor of safety of 3.
 2. Pullover values assume a minimum head/washer diameter, d_w , of 1/4"