

TELLING PRODUCT SUBMITTAL DATA

TELLING PART #: TRC14X Series B

MATERIAL: 12ga (97 mil), 14ga (68 mil), 16ga (54 mil)

COATING: galvanized G60 and G90

STEEL SPECIFICATIONS:

1. Steel meets ASTM A1003, Grade 50 Type H (ST50H).
2. Coating meets ASTM A1003, A653 for either G60, G90, or equivalent.



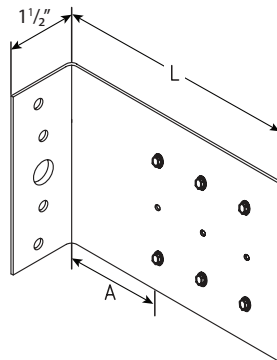
TELLING RIGID CLIP ALLOWABLE CAPACITIES (LBS)

PART#	CLIP THK. (MIL)	Yield F(y)	Tensile	Length (in)	Buckling Lngh (A), in	#10-16 SCREWS	STUD								
							33 mil (20 ga)			43 mil (18 ga)			54 mil (16 ga)		
							F1	F2	F3	F1	F2	F3	F1	F2	F3
TRC133	54	50 ksi	65 ksi	3.0	1.0	4	242	137	702	360	137	702	732	137	702
	68	50 ksi	65 ksi	3.0	1.0	4	242	217	706	360	217	1007	732	217	1007
	97	50 ksi	65 ksi	3.0	1.0	4	242	443	706	360	443	1050	732	443	1753
TRC143	54	50 ksi	65 ksi	3.5	1.25	4	400	213	705	596	213	827	1100	213	827
					1.25	6	429	213	827	638	213	827	1100	213	827
	68	50 ksi	65 ksi	3.5	1.25	4	400	338	705	596	338	1052	1174	338	1185
					1.25	6	429	338	1060	638	338	1185	1174	338	1185
	97	50 ksi	65 ksi	3.5	1.25	4	400	689	705	596	689	1052	1211	689	2063
					1.25	6	429	689	1060	638	689	1578	1296	689	2063
TRC145	54	50 ksi	65 ksi	5.5	3.25	4	315	213	484	438	213	484	438	213	484
					2.0	6	481	213	635	713	213	635	713	213	635
	68	50 ksi	65 ksi	5.5	3.25	4	315	338	694	469	338	694	552	338	694
					2.0	6	481	338	911	716	338	911	898	338	911
	97	50 ksi	65 ksi	5.5	3.25	4	315	689	706	619	689	1052	788	689	1208
					2.0	6	481	689	1060	716	689	1578	992	689	1586
TRC147	54	50 ksi	65 ksi	7.5	5.25	4	258	213	370	271	213	370	271	213	370
					4.0	6	356	213	431	356	213	431	356	213	431
	68	50 ksi	65 ksi	7.5	5.25	4	258	338	530	342	338	530	342	338	530
					4.0	6	389	338	618	449	338	618	449	338	618
	97	50 ksi	65 ksi	7.5	5.25	4	258	689	706	385	689	923	488	689	923
					4.0	6	389	689	1060	579	689	1075	640	689	1075
TRC149	54	50 ksi	65 ksi	9.5	7.25	4	196	213	309	196	213	309	196	213	309
					6.0	6	237	213	343	237	213	343	237	213	343
	68	50 ksi	65 ksi	9.5	7.25	4	219	338	443	247	338	443	247	338	443
					6.0	6	299	338	492	299	338	492	299	338	492
	97	50 ksi	65 ksi	9.5	7.25	4	219	689	706	326	689	771	353	689	771
					6.0	6	325	689	857	427	689	857	427	689	857
TRC1411	54	50 ksi	65 ksi	11.5	9.25	4	154	213	269	154	213	269	154	213	269
					8.0	6	178	213	292	178	213	292	178	213	292
	68	50 ksi	65 ksi	11.5	9.25	4	189	338	386	194	338	386	194	338	386
					8.0	6	224	338	419	224	338	419	224	338	419
	97	50 ksi	65 ksi	11.5	9.25	4	189	689	672	277	689	672	277	689	672
					8.0	6	279	689	729	320	689	729	320	689	729
TRC156	54	50 ksi	65 ksi	5.0	3.0	4	298	228	633	443	228	633	594	228	633
					3.0	6	373	228	633	555	228	633	594	228	633
	68	50 ksi	65 ksi	5.0	1.0	9	596	228	1170	887	228	1170	1767	228	1170
					3.0	4	298	363	706	443	363	907	748	363	907
	97	50 ksi	65 ksi	5.0	3.0	6	373	363	907	555	363	907	748	363	907
					1.0	9	596	363	1590	887	363	1679	1800	363	1679
TRC173	54	50 ksi	65 ksi	3.0	1.0	4	612	320	706	912	320	1010	1850	320	1010
					1.0	6	733	320	1060	1091	320	1578	2215	320	1640
	68	50 ksi	65 ksi	3.0	1.0	4	612	508	706	912	507	1050	1850	507	1603
					1.0	6	733	508	1060	1091	508	1578	2215	508	2351
	97	50 ksi	65 ksi	3.0	1.0	4	612	706	706	912	1034	1050	1850	1034	2135
					1.0	6	733	1034	1060	1091	1034	1578	2215	1034	3203

TABLE NOTES:

1. The tabulated clip capacity values are based on the AISI Research Report PR18-4 "Load Bearing Clip Angle Design" phase II and accepted industry design standards.
2. The anchor strength to the support must be calculated separately, the minimum of the tabulated clip capacity and the anchor strength must be used. Anchor strength may be less than the tabulated clip capacity.
3. Appropriate interaction equation must be used for clips subjected to the combined shear tension and compression forces.

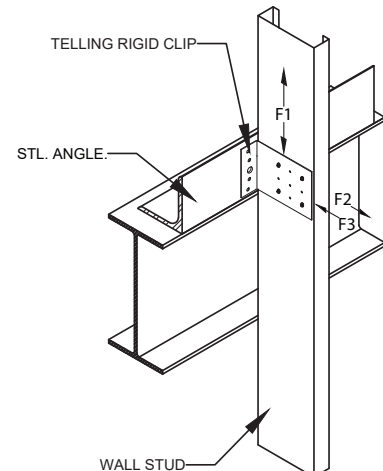
TRC CLIP



6 SCREW PATTERN

(A = Measurement to first drill hole)

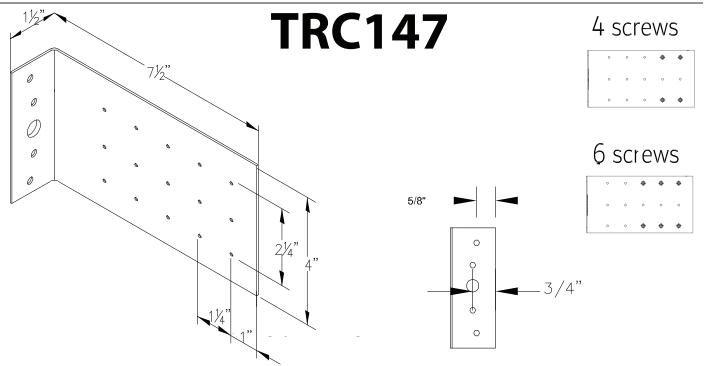
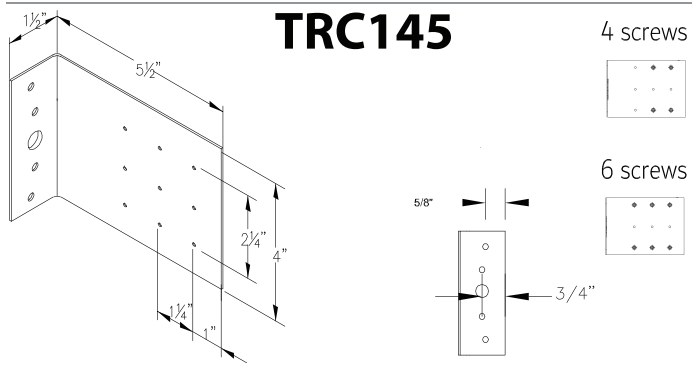
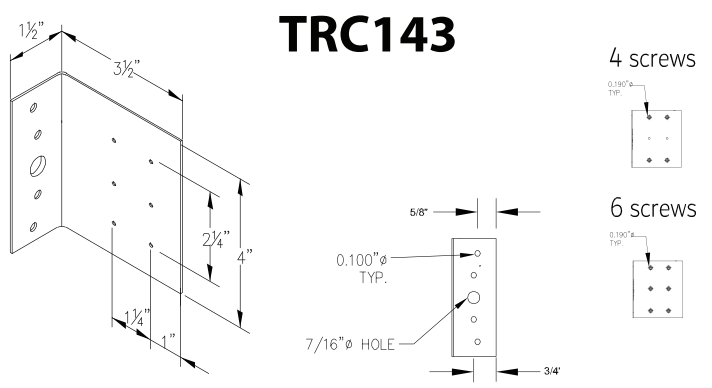
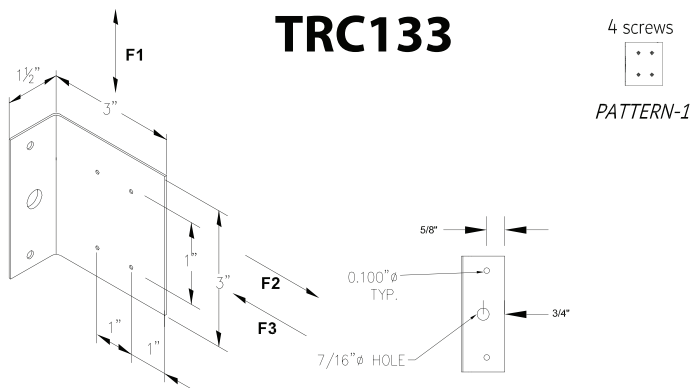
TRC APPLICATION



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MATERIAL SPECIFICATIONS

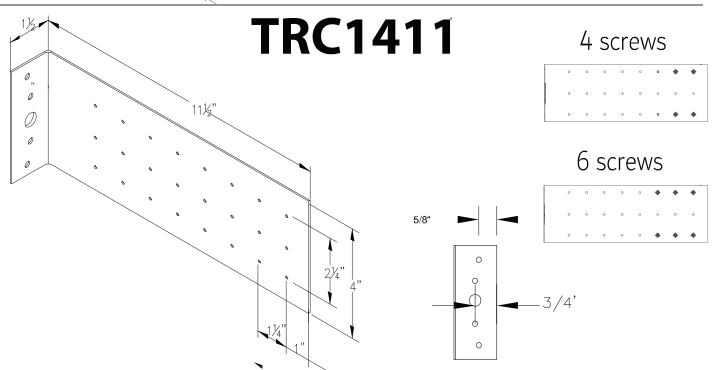
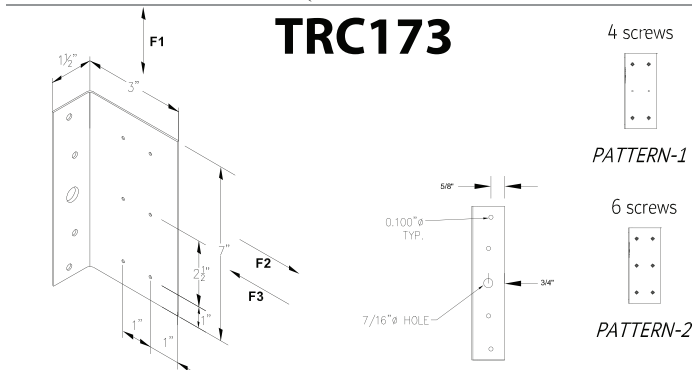
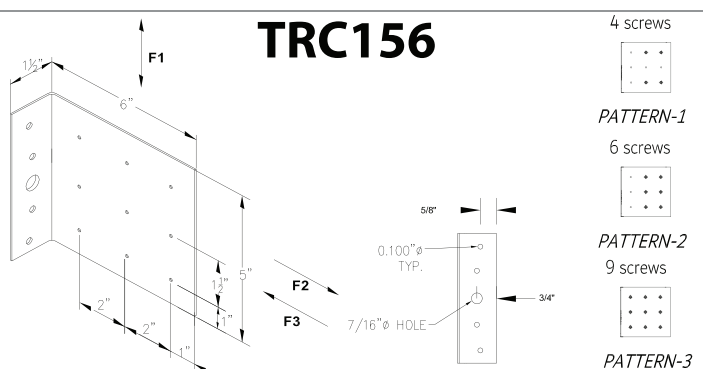
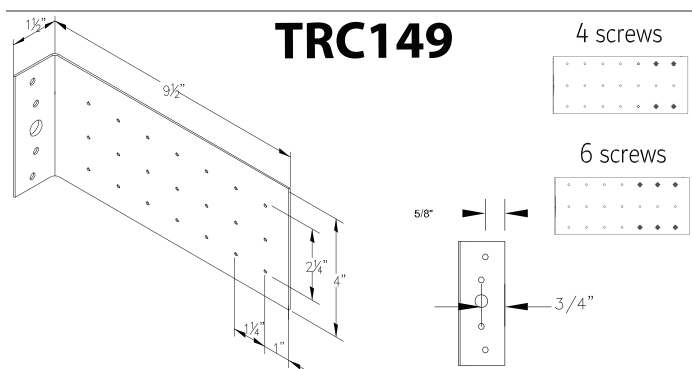
DESIGN THICKNESS, YIELD, TENSILE

54 MIL
(0.0566"),
50ksi, 65ksi

68 MIL
(0.0713"),
50ksi, 65ksi

97 MIL
(0.1017"),
50ksi, 65ksi

ASTM 1003, GRADE 50 TYPE H (ST50H)
G60 AND G90 HOT DIPPED GALVANIZED



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