

Product Application

The TT truss tie secure clip prevents uplift of trusses and joists. TT secure clips are thoroughly engineered to resist lateral, horizontal, and uplift loads.

TT clips come packaged in durable buckets for convenient handling on the jobsite.

Features and Benefits

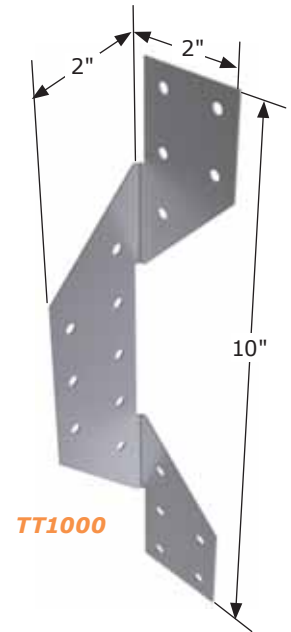
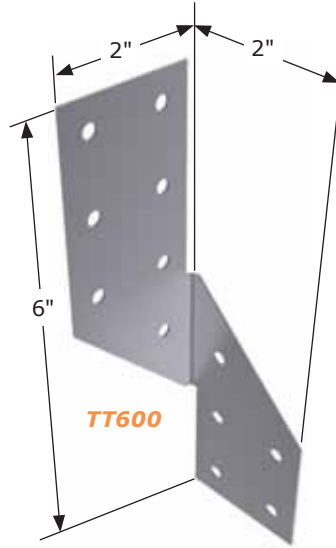
- Variety of applications
- Loads based on #10 screws
- Pre-punched guide holes
- Prevents uplift of trusses and joists

Material Composition

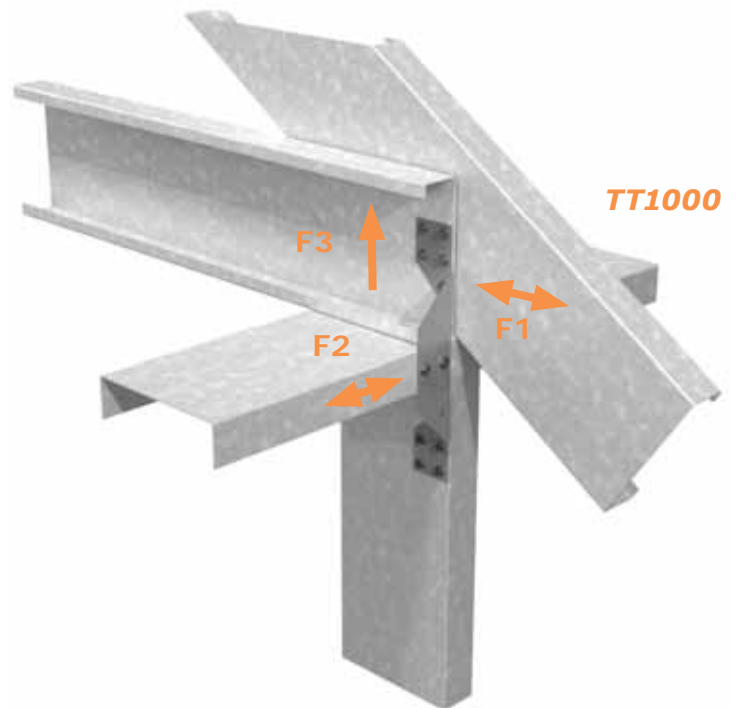
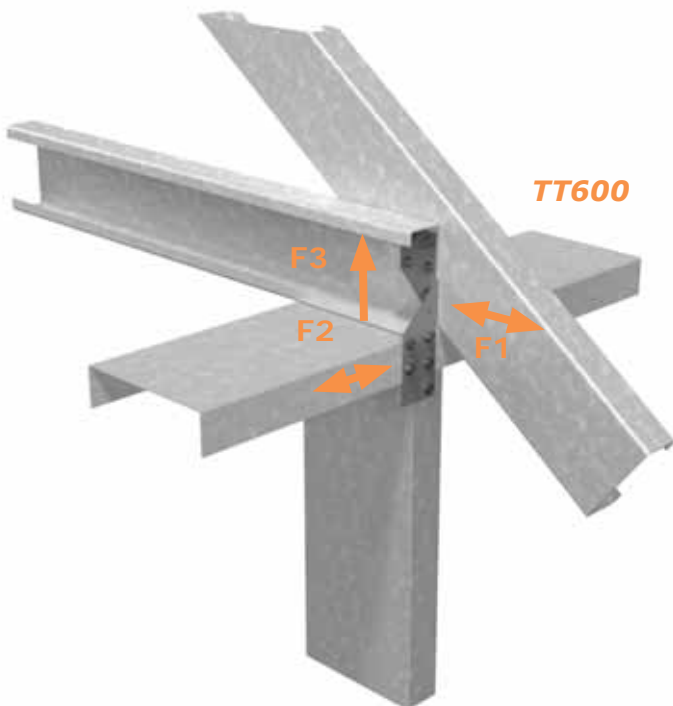
- Mill certified steel
- ASTM A653/A653M
- 33 mil
 - 33 ksi yield strength
 - 45 ksi tensile strength
 - G60 galvanized coating
- 54 mil
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G60 galvanized coating

Quantity / Order Information

Part No.	Qty / Bucket	Lbs / Bucket
TT600-33	100	11
TT600-54	100	18
TT1000-33	100	18
TT1000-54	100	30



Allowable Loads



Part No.	Stud Properties			2 #10 Screws (2 Top, 2 Bottom)			4 #10 Screws (4 Top, 4 Bottom)		
	Mil	Gauge	Fy (ksi)	F1	F2	F3	F1	F2	F3
TT600-33	33EQS	20	57	120	170	402	120	170	450
	33	20	33	120	170	353	120	170	450
	43EQS	18	57	120	170	450	120	170	450
	43	18	33	120	170	450	120	170	450
	54	16	50	120	170	450	120	170	450
	68	14	50	120	170	450	120	170	450
	97	12	50	120	170	450	120	170	450
	118	10	50	120	170	450	120	170	450
Maximum Allowable Clip Capacity				Max F1 = 120 lbs	Max F2 = 170 lbs	Max F3 = 450 lbs	Max F1 = 120 lbs	Max F2 = 170 lbs	Max F3 = 450 lbs

Part No.	Stud Properties			2 #10 Screws (2 Top, 2 Bottom)			4 #10 Screws (4 Top, 4 Bottom)		
	Mil	Gauge	Fy (ksi)	F1	F2	F3	F1	F2	F3
TT600-54	33EQS	20	57	310	330	402	310	330	804
	33	20	33	310	330	353	310	330	707
	43EQS	18	57	310	330	635	310	330	1010
	43	18	33	310	330	526	310	330	1010
	54	16	50	310	330	1010	310	330	1010
	68	14	50	310	330	1010	310	330	1010
	97	12	50	310	330	1010	310	330	1010
	118	10	50	310	330	1010	310	330	1010
Maximum Allowable Clip Capacity				Max F1 = 310 lbs	Max F2 = 330 lbs	Max F3 = 1010 lbs	Max F1 = 310 lbs	Max F2 = 330 lbs	Max F3 = 1010 lbs

Part No.	Stud Properties			2 #10 Screws (2 Top, 2 Bottom)			4 #10 Screws (4 Top, 4 Bottom)		
	Mil	Gauge	Fy (ksi)	F1	F2	F3	F1	F2	F3
TT1000-33	33EQS	20	57	120	170	402	120	170	450
	33	20	33	120	170	353	120	170	450
	43EQS	18	57	120	170	450	120	170	450
	43	18	33	120	170	450	120	170	450
	54	16	50	120	170	450	120	170	450
	68	14	50	120	170	450	120	170	450
	97	12	50	120	170	450	120	170	450
	118	10	50	120	170	450	120	170	450
Maximum Allowable Clip Capacity				Max F1 = 120 lbs	Max F2 = 170 lbs	Max F3 = 450 lbs	Max F1 = 120 lbs	Max F2 = 170 lbs	Max F3 = 450 lbs

Part No.	Stud Properties			2 #10 Screws (2 Top, 2 Bottom)			4 #10 Screws (4 Top, 4 Bottom)		
	Mil	Gauge	Fy (ksi)	F1	F2	F3	F1	F2	F3
TT1000-54	33EQS	20	57	310	330	402	310	330	804
	33	20	33	310	330	353	310	330	707
	43EQS	18	57	310	330	635	310	330	1010
	43	18	33	310	330	526	310	330	1010
	54	16	50	310	330	1010	310	330	1010
	68	14	50	310	330	1010	310	330	1010
	97	12	50	310	330	1010	310	330	1010
	118	10	50	310	330	1010	310	330	1010
Maximum Allowable Clip Capacity				Max F1 = 310 lbs	Max F2 = 330 lbs	Max F3 = 1010 lbs	Max F1 = 310 lbs	Max F2 = 330 lbs	Max F3 = 1010 lbs

Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. Values include a 3.0 factor of safety.
5. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
6. Allowable loads indicated on the tables are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.