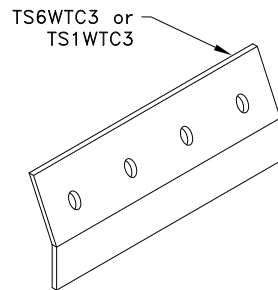
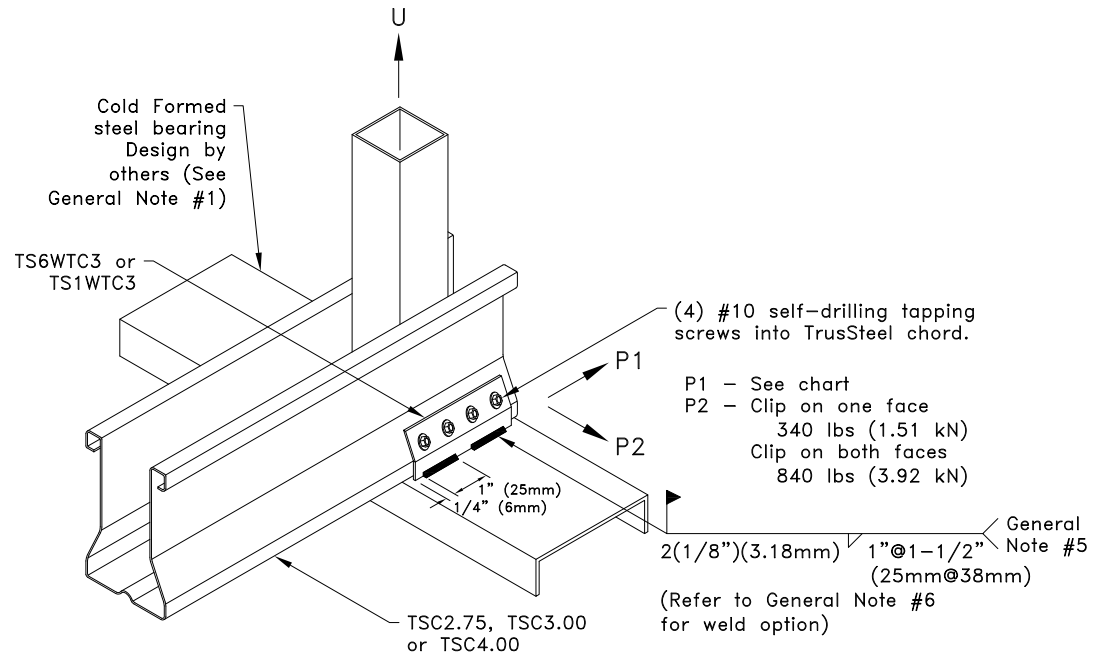


Allowable Loads lbs (kN) <sup>A</sup>					
Chord	Allowable Loads <sup>A</sup>	Clip on one face <sup>B</sup>		Clip on both faces	
		TS6WTC3	TS1WTC3	TS6WTC3	TS1WTC3
28TSC2.75	U	550 (2.45) <sup>C</sup>		1640 (7.30)	
	P1	820 (3.65)		1640 (7.30)	
33TSC2.75	U	550 (2.45) <sup>C</sup>		2040 (9.07)	
	P1	1020 (4.54)		2040 (9.07)	
43TSC2.75	U	550 (2.45) <sup>C</sup>		3040 (13.52)	
	P1	1520 (6.76)		3040 (13.52)	
28TSC3.00 or 28TSC4.00	U	820 (3.65)		1640 (7.30)	
	P1	820 (3.65)		1640 (7.30)	
33TSC3.00 or 33TSC4.00	U	1020 (4.54) <sup>D</sup>		2040 (9.07)	
	P1	1020 (4.54)		2040 (9.07)	
43TSC3.00 or 43TSC4.00	U	1230 (5.47) <sup>D,E</sup>		3040 (13.52)	
	P1	1520 (6.76)		3040 (13.52)	
54TSC3.00, 54, 68, and 97TSC4.00	U	1230 (5.47) <sup>D,E,F</sup>		3490 (15.52)	4180 (18.60)
	P1	1640 (7.30)		3290 (14.63)	

- A. Allowable loads shown on this detail are not in combination.  
 B. Uplift connections with clip on one face require a web above connection. For values in chart, TSC2.75 minimum web is 33W.75x.75 and TSC3.00 or TSC4.00 minimum web is 33C1.5x1.5.  
 C. If web above connection is 33W.75x1.5, U = 820 lbs (3.65 kN).  
 D. If web above connection is 33W1.5x.75, U = 910 lbs (4.05 kN).  
 E. If web above connection is 33W1.5x1.5 or 33Z1.5x1.62, U = 1400 lbs (6.23 kN).  
 F. If web above connection is 33Z1.5x2.5, U = 1750 lbs (7.78 kN).



TS6WTC3  
bare metal thickness (t) = 0.0538 in. (1.37mm)  
 TS1WTC3  
bare metal thickness (t) = 0.128 in. (3.25mm)



**General Notes:**

- Bearing shall be manufactured from Cold-Formed Steel (CFS) with minimum tensile strength of 45 KSI (310 MPa), minimum bare metal thickness, t = 0.0538" (1.37mm) and maximum width of 3-5/8" (92mm).
- If a clip is required on both faces, attach the second clip to the opposite face of the chord as detailed.
- Multi-ply trusses require a clip on each face. Refer to TrusSteel detail drawing TS023A for ply-to-ply connections for 3-Ply trusses with a clip on each face.
- Refer to TrusSteel Technical Bulletin 98.10.05 titled "Repair of Galvanized Surfaces" to restore corrosion resistant properties of the connection after welding.
- Weld values are based on a filler material with a minimum tensile strength of 70 ksi (483 MPa).
- In lieu of welds specified above, the full length of the TS6WTC3 / TS1WTC3 may be welded to the bearing.
- Cold-Formed Steel Calculations are per the AISI 2016 "North American Specifications for the Design of Cold-Formed Steel Structural Members" (S100-16).



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**TS6WTC3 or TS1WTC3  
Welded Truss Clip to  
Cold-Formed Steel Bearing**

Alpine, a division of ITW Building Components Group, Inc. shall not be responsible for any performance failure in a connection due to a deviation from this detail. Any variation from this detail shall be approved in advance by Alpine, a division of ITW Building Components Group, Inc.

**Standard Detail:**  
TS027B

**Date:**  
10/11/18

**TrusSteel Detail Category:**  
Truss-To-Bearing: Cold-Formed Steel