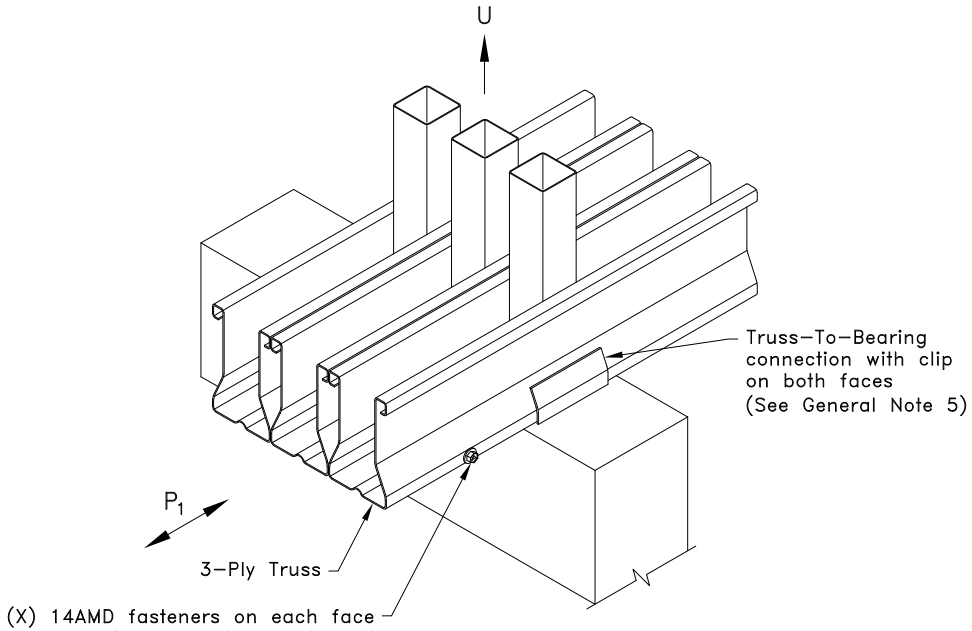


## 3–Ply Connection
Clip On Both Faces

| Allowable Uplift, U, or Lateral, $P_1$, Reaction – lbs (kN)[A] | | | | | | |
|---|---|---|---|---|---|---|
| 3–Ply Truss with Bearing Connection On Both Faces | | | | | | |
| (X) = Number of required fasteners on each face | 28TSC | 33TSC | 43TSC | 54TSC | 68TSC | 97TSC |
| 1 | 1410 (6.27) | 1760 (7.83) | 2620 (11.65) | 3680 (16.37) | 5200 (23.13) | 5830 (25.93) |
| 2 | 2820 (12.54) | 3520 (15.66) | 5230 (23.26) | 7360 (32.74) | 10390 (46.22) | 11650 (51.82) |
| 3 | 4230 (18.82) | 5270 (23.44) | 7850 (34.92) | 11030 (49.06) | 15590 (69.35) | 17480 (77.75) |
| 4 | 5640 (25.09) | 7030 (31.27) | 10460 (46.53) | 14710 (65.43) | 20780 (92.43) | 23300 (103.64) |
| 5 | 7050 (31.36) | 8790 (39.10) | 13080 (58.18) | 18390 (81.80) | 25980 (115.56) | 29130 (129.58) |

A. If uplift and lateral are in combination, contact a TrusSteel engineer.

General Notes:

1. Contact a TrusSteel engineer for one face connection on 2–Ply or 3–Ply trusses.
2. If more than one fastener is required, spacing and end distance of fasteners = 3/4" (19mm).
3. Fastener connection shown to be applied within 8" (305mm) of the bearing connection.
4. Fasteners(X) = 14AMDB2.125 for TSC2.75 and 14AMD3.5 for TSC3.00 or TSC4.00
5. For proper attachment of the truss to the bearing, see approved truss to bearing connection detail.
6. Cold–Formed Steel calculations are per the 2020 supplement to AISI 2016 "North American Specification for the Design of Cold–Formed Steel Structural Members" (S100–16/S2–20).

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# Ply-To-Ply Connection For Bearing Connections On 3-Ply Trusses



**Standard Detail:** TS023A

**Date:** 06/01/22

**TrusSteel Detail Category:** Ply-To-Ply Connections