## Allowable Loads lbs (kN)\textsuperscript{A,C}

<table>
<thead>
<tr>
<th>Chord</th>
<th>#10SDS into bottom chord</th>
<th>#12SDS into bottom chord</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Clip on one face</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U</td>
<td>P1</td>
</tr>
<tr>
<td>28TSC2.75</td>
<td>400</td>
<td>(1.78)</td>
</tr>
<tr>
<td>33TSC2.75</td>
<td>750</td>
<td>(3.34)</td>
</tr>
<tr>
<td>43TSC2.75</td>
<td>590</td>
<td>(2.62)</td>
</tr>
<tr>
<td></td>
<td>Clip on both faces</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U</td>
<td>P1</td>
</tr>
<tr>
<td>28TSC</td>
<td>1230</td>
<td>(5.47)</td>
</tr>
<tr>
<td>33TSC</td>
<td>1400</td>
<td>(6.41)</td>
</tr>
<tr>
<td>43, 54, 68 &amp; 97TSC</td>
<td>880</td>
<td>(3.91)</td>
</tr>
</tbody>
</table>

\textsuperscript{A} Allowable loads shown are not in combination.

\textsuperscript{B} Uplift connections with clip on one face require a web above connection.

\textsuperscript{C} When connecting to steel between 3/16" (4.76mm) and 1/2" (12.70mm) refer to TS039.

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**TSUC3 Uplift Attachment To Structural Steel Bearing Using Hilti Pins (Steel Greater Than 1/2" to 3/4" Thick)**

Greatest than 1/2" (12.70mm) thick to 3/4" (19.05mm) Structural Steel with minimum tensile strength of 58 KSI (400 MPa). (Design by others)

> Greater than 1/2" (12.70mm) thick to 3/4" (19.05mm) Structural Steel with minimum tensile strength of 58 KSI (400 MPa). (Design by others)


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**General Notes:**

1. If a clip is required on both faces, attach the second clip to the opposite face of the chord as detailed.

2. 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.

3. Install pins in the two outside holes of TSUC3 clip.

4. Pins must be driven through existing holes in TSUC3 clip and be driven perpendicular to steel surface.

5. Care must be taken to ensure pins are not overdriven. Pins that are overdriven may puncture surface of TSUC3 clip causing damage. If TSUC3 clip is damaged, the values given on this detail are no longer valid.

6. Pin length shall be minimum of 5/8" (16mm) to ensure a pin penetration of a minimum of 1/2" (13mm).

7. Do not install pins into area of beam flange directly above beam web.

8. Allowable Hilti X-U diameter universal knurled Shank into steel (refer to note 8 below for length)

9. Cold-Formed Steel Fastener values into steel bearing are per ICC ESR-2269 (February 2017). Refer to ESR regarding proper installation of fastener.

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**Standard Detail:**

TS039A

**Date:**

10/11/18

**TrusSteel Detail Category:**

Truss-To-Bearing: Structural