**VertiClip® SL**

**Exterior Head of Wall**

**Material Composition**

ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, 68mil minimum thickness (14 gauge, 0.0713” design thickness) with ASTM A653/A653M G90 (Z275) hot dipped galvanized coating.

The attachment of VertiClip to the primary structure may be made with PAFs, screw/bolt anchors or weld and is dependent upon the base material (steel or concrete) and the design configuration.

**VertiClip SL Allowable (Unfactored) Loads**

<table>
<thead>
<tr>
<th>Stud Depth</th>
<th>SL362</th>
<th>SL400</th>
<th>SL600</th>
<th>SL800</th>
<th>SL1000</th>
<th>SL1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5&quot;</td>
<td>w/2 #12 screws</td>
<td>w/2 #12 screws</td>
<td>w/2 #12 screws</td>
<td>w/3 #12 screws</td>
<td>w/2 #12 screws</td>
<td>w/3 #12 screws</td>
</tr>
<tr>
<td>33 (20)</td>
<td>190</td>
<td>190</td>
<td>285</td>
<td>190</td>
<td>190</td>
<td>285</td>
</tr>
<tr>
<td>33 (20)</td>
<td>248</td>
<td>275</td>
<td>367</td>
<td>275</td>
<td>275</td>
<td>413</td>
</tr>
<tr>
<td>43 (18)</td>
<td>248</td>
<td>248</td>
<td>367</td>
<td>248</td>
<td>248</td>
<td>372</td>
</tr>
<tr>
<td>43 (18)</td>
<td>248</td>
<td>359</td>
<td>359</td>
<td>359</td>
<td>414</td>
<td>359</td>
</tr>
<tr>
<td>54 (16)</td>
<td>248</td>
<td>312</td>
<td>312</td>
<td>312</td>
<td>414</td>
<td>312</td>
</tr>
<tr>
<td>54 (16)</td>
<td>248</td>
<td>367</td>
<td>367</td>
<td>367</td>
<td>414</td>
<td>367</td>
</tr>
<tr>
<td>68 (14)</td>
<td>248</td>
<td>367</td>
<td>367</td>
<td>367</td>
<td>414</td>
<td>367</td>
</tr>
<tr>
<td>97 (12)</td>
<td>248</td>
<td>367</td>
<td>367</td>
<td>367</td>
<td>414</td>
<td>367</td>
</tr>
</tbody>
</table>

**Notes:**

- Allowable load tables incorporate eccentric loading of fasteners. Values with welded connection may increase.
- Fasten within ¾” from the angle heel (centerline of the 1 ½” leg) to minimize eccentric load transfer.
- Guide holes for attachment to structure are 0.141” for SL362 & SL600. Guideholes are not standard in other clip sizes.
- VertiClip SL series is designed to support horizontal loads and should not be used in axial-load-bearing wall construction.
- Total vertical deflection of up to 1 ½” (¾” up and ¾” down). Deflection requirements greater than ¾” (up and down) are available.
- Allowable loads have not been increased for wind, seismic, or other factors.
- #12 screws are provided with each step bushing.
- Strengthening ribs and guide holes are present in 3 5/8” and 6” sizes.

¹ For LRFD Design Strengths refer to ICC-ESR-2049.
Nomenclature
VertiClip SL is designated by type (SL), followed by stud depth in inches multiplied by 100.

**Example:** 6" stud
**Designate:** VertiClip® SL600

**ICC-ES** VertiClip SL362, SL600 & SL800
ICC-ESR-2049
www.icc-es.org

VertiClip SL Series
Blast and Seismic Design data
www.steelnetwork.com

**For more information or to review a copy of each of these reports, please visit our website at [http://www.steelnetwork.com/Site/TechnicalData](http://www.steelnetwork.com/Site/TechnicalData)**