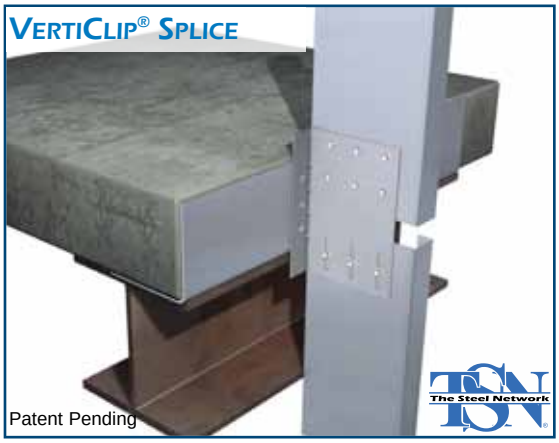
Product Application

The VertiClip® Splice series is used when connecting a bypass rigid stud to structure while simultaneously attaching another wall stud below, allowing up to 2" vertical deflection of the structure. VertiClip Splice provides a tested, cost-effective alternative for connecting 2 non-axial load bearing studs to structure. VertiClip Splice is engineered for use with 6" studs.



Patent Pending

Material Composition

ASTM A653/A653M, Grade 50 (340), 50ksi (340 MPa) minimum yield strength, 65ksi (450 MPa) minimum tensile strength, G-90 (Z275) hot-dipped galvanized coating. Material thickness = 14ga (68mils, 0.0713" design thickness).

The attachment of VertiClip to the structure may be made with either a PAF or weld and is dependent upon base material properties and the design configuration.

Note:

- For PAF's, fasten within ¾" from the angle heel centerline of the 1½" leg.
- Guide holes for attachment to structure are .172" in diameter.

VertiClip Splice Value

- Guide holes for connections to structure
- Acts as a web stiffener
- Step Bushings are pre-installed in each clip
- Tested screws are provided
- Reduces labor expense
- Extensively tested

Quantity / Order Information

Designation	Qty/Box	Lbs/Box	Pcs/Skid	Lbs/Skid
VertiClip Splice	50	67	1600	2144

VertiClip Splice Installation


Attach VertiClip Splice to structure with approved fasteners.

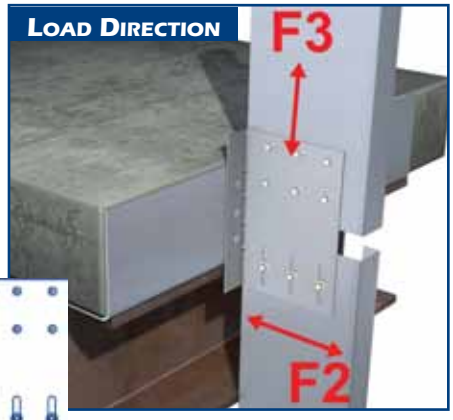

Attach rigid stud to clip using required screws.


Attach bottom stud to clip with provided screws through step bushings.

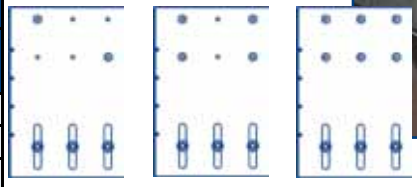
Allowable Loads

VertiClip Splice - F2 w/ #12 Screws, Qty Upper Half (Listed 1st) / Qty Lower Half (Listed 2nd) (kips)						
Stud Thickness Mils (ga)	Fy (Yield) Stud (ksi)	2 screws / 2 screws	4 screws / 2 screws	4 screws / 3 screws	6 screws / 2 screws	6 screws / 3 screws
33 (20)	33	0.752	0.940	1.278	1.090	1.278
33 (20)	33	1.089	1.258	1.427	1.258	1.427
33 (20)	50	1.120	1.274	1.427	1.274	1.427
43 (18)	33	1.427	1.427	1.427	1.427	1.427
43 (18)	50	1.427	1.427	1.427	1.427	1.427
54 (16)	50	1.427	1.427	1.427	1.427	1.427
68 (14)	50	1.427	1.427	1.427	1.427	1.427
97 (12)	50	1.427	1.427	1.427	1.427	1.427

VertiClip Splice - F3 w/ #12 Screws in Upper Half (kips)				
Stud Thickness Mils (ga)	Fy (Yield) Stud (ksi)	F3 w/2 screws	F3 w/4 screws	F3 w/6 screws
33 (20)	33	0.216	0.431	0.562
33 (20)	33	0.313	0.623	0.813
33 (20)	50	0.322	0.641	0.837
43 (18)	33	0.465	0.928	1.209
43 (18)	50	0.453	0.902	1.177
54 (16)	50	0.655	1.305	1.700
68 (14)	50	0.925	1.843	2.404
97 (12)	50	0.976	1.944	2.432



VertiClip Splice Thickness = 14ga (68mils)


2 Screw Pattern — 4 Screw Pattern — 6 Screw Pattern

Maximum F2 allowable clip capacity = 1.427 kips
Maximum F3 allowable clip capacity = 2.432 kips

- **Allowable loads have not been increased for wind, seismic, or other factors.**
- **Torsional effects are considered on screw group for F3 allowable loads.**

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