

PRODUCT APPLICATION

VertiClip® SLD connects the interior drywall studs at the head condition (top of wall) to the deck or primary frame while allowing for a total vertical deflection of up to 1½" (¾" up and ¾" down). VertiClip's unique design provides both an anti-friction and anti-seizure connection between the clip and the stud web surface thereby preventing a transfer of vertical forces into drywall partition wall framing, which is not designed to support axial loads. VertiClip SLD is a component in VertiTrack® VTD, TSN's pre-assembled deflection track (see page 13). Allowable loads are based on use of two #8 screws for attachment to stud (provided by TSN).

MATERIAL COMPOSITION

ASTM A653/A653M, Grade 50 (340), 50ksi (340 MPa) minimum yield strength, 65ksi (450 MPa) minimum tensile strength, G-60 (Z180) hot-dipped galvanized coating. Material thickness = 33mil (20 gauge, 0.0346" design thickness).

The attachment of VertiClip to the primary structure may be made with a PAF and is dependent upon the base material (steel or concrete) and the design configuration.

Note:

- ◆ Fasten within ¾" from the angle heel (centerline of the 1½" leg) to minimize eccentric load transfer.
- ◆ Guide holes for attachment to structure are .172" in diameter, and are standard for SLD362 and SLD600.
- ◆ **Deflection requirements greater than ¾" (up and down) are available.**

VertiClip SLD series is designed to support horizontal loads and should not be used in axial-load-bearing wall construction.

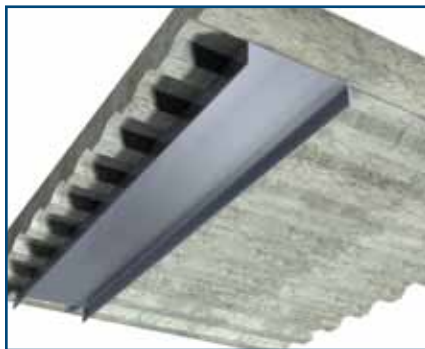


An ICC-ES Evaluation Report for VertiClip SLD600 is available. Refer to ICC-ESR-1903 at www.icc-es.org or at www.steelnetwork.com

QUANTITY / ORDER INFORMATION

Designation	Qty/Box	Lbs/Box	Pcs/Skid	Lbs/Skid
SLD150	250	19	11250	855
SLD250	250	28	11250	1260
SLD362/400	200	35	9000	1575
SLD600	100	28	4500	1260
SLD800	100	37	4500	1665

VERTICLIP SLD INSTALLATION



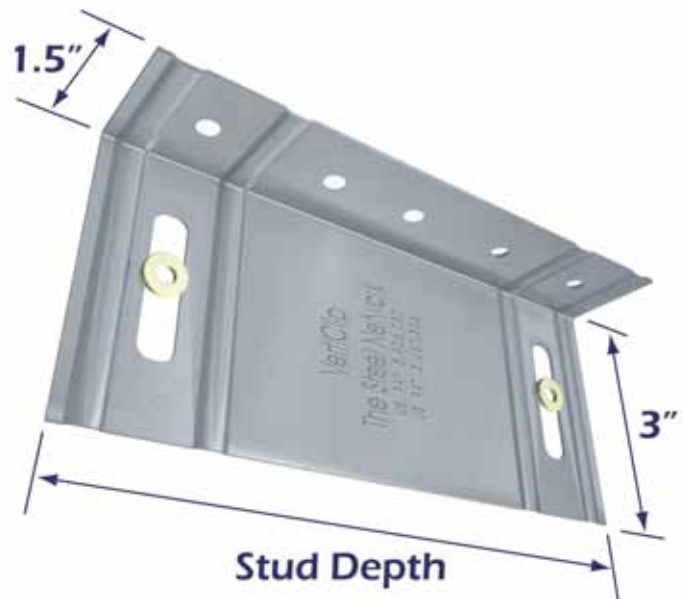
Attach 25ga standard leg runner track to deck.



Attach VertiClip SLD to deck (through track).



Attach VertiClip through Step Bushings to wall studs with self-drilling screws provided.



* Strengthening ribs are present in 3 5/8" and 6" sizes.

QUALITY FEATURES

- ◆ Load-rated positive mechanical attachment at each stud
- ◆ UL classified for all approved dynamic assemblies and finish combinations with 1½" deflection and 1-2 hour fire-ratings
- ◆ Meets all building code criteria
- ◆ Eliminates loose friction-held track assemblies
- ◆ Utilizes only mill-certified, 50ksi steel
- ◆ Load rated screws provided for each VertiClip
- ◆ Step Bushings pre-installed for accurate placement
- ◆ Adaptable for multiple configurations

VERTICLIP SLD NOMENCLATURE

VertiClip® is designated by type (SLD), followed by stud depth in inches multiplied by 100.

Example: 6" deep stud.
Designate VertiClip SLD600.

EXAMPLE DETAIL



Meets criteria for: ICC-ES AC261;
UL2079; IBC 2000, 2003; DSA, New York
MEA 326-06-M.

LABOR BENEFITS

- ◆ Top of wall bridging or strapping is eliminated
- ◆ Top track lightweight for easy handling (not a structural element, may be 25ga standard leg - Deep-Leg Track is not required)
- ◆ Utilize clips for wall layout
- ◆ Eliminates temporary screws

SHAFT WALL

VertiClip SLD may be used in shaft wall assemblies to provide a positive attachment at the top of wall. Sizes include VertiClip SLD150, 250, and 362 for 1.5", 2.5", and 3.625" shaft wall stud depths.



VertiClip SLD is also listed in UL®-Classified WR Grace shaft wall assembly HW-D-0401.



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LOAD DIRECTION



US Patents #5,467,566 & #5,906,080

ALLOWABLE (UNFACTORED) LOADS¹

VertiClip Series	Stud Thickness Mils (ga)	Fy (yield) Stud (ksi)	SLD150 F2 w/ 1 #8 screw (kips)	SLD250 F2 w/ 2 #8 screws (kips)	SLD362 / 400 F2 w/ 2 #8 screws (kips)	SLD600 F2 w/ 2 #8 screws (kips)	SLD800 F2 w/ 2 #8 screws (kips)
SLD (Clip is 20ga, 33mils)	18 (25)	33	0.051	0.132	0.132	0.132	0.132
	27 (22)	33	0.051	0.159	0.243	0.243	0.243
	33 (20)	33	0.051	0.159	0.328	0.328	0.328
	33 (20)	50	0.051	0.159	0.359	0.405	0.474
	43 (18)	33	0.051	0.159	0.359	0.405	0.489
	43 (18)	50	0.051	0.159	0.359	0.405	0.664
	54 (16)	33	0.051	0.159	0.359	0.405	0.664
	54 (16)	50	0.051	0.159	0.359	0.405	0.664

- ◆ Allowable loads have not been increased for wind, seismic, or other factors.
- ◆ Two #8 screws are provided with each VertiClip SLD (except SLD150, which has 1 screw).

¹ For LRFD Design Strengths refer to ICC-ESR-1903 (p23).