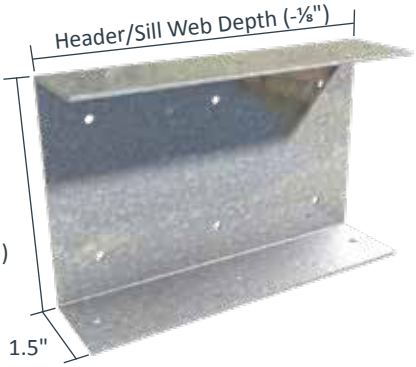
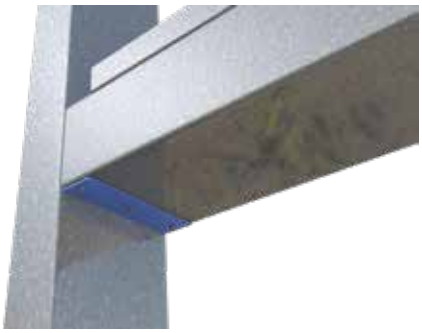
StiffClip® HS

Jamb Stud Header and Sill Connector

The Steel Network, Inc.
www.steelnetwork.com
1-888-474-4876





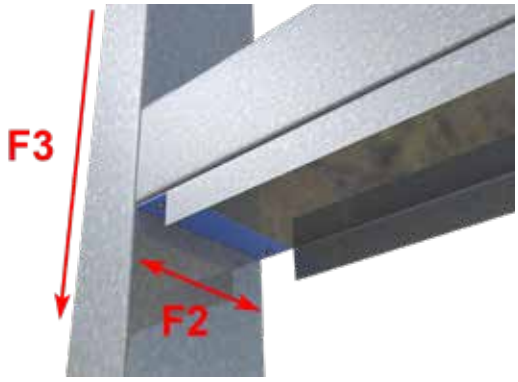
Material Composition

ASTM A1003 ST50H, Grade 50 (340MPa) minimum yield strength, 65 ksi (450 Mpa) minimum tensile strength, material thickness = 68mil (14gauge, 0.0713" design thickness) G90 (Z275) hot-dipped galvanized coating.

StiffClip HS Allowable Loads

StiffClip® HS Recommended Allowable Load (lbs): F2 & F3 Load Direction						
Screw Patterns with #10 Screws	F2 Allowable Loads			F3 Allowable Loads		
	HS362	HS600	HS800	HS362	HS600	HS800
	4 Screws	6 Screws	6 Screws	4 Screws	6 Screws	6 Screws
33mil (20ga), 33ksi Stud	274	510	609	708	1,062	1,062
33mil (20ga), 50ksi Stud	395	734	877	795	1,161	1,455
43mil (18ga), 33ksi Stud	374	704	852	771	1,137	1,431
43mil (18ga), 50ksi Stud	542	1,019	1,233	869	1,235	1,529
54mil (16ga), 33ksi Stud	489	929	1,137	827	1,193	1,487
54mil (16ga), 50ksi Stud	707	1,342	1,642	949	1,315	1,609
68mil (14ga), 50ksi Stud	827	1,542	1,851	1,051	1,417	1,711
97mil (12ga), 50ksi Stud	1,017	1,835	2,131	1,265	1,631	1,925
118mil (10ga), 50ksi Stud	1,126	1,993	2,192	1,421	1,787	2,081

Load Direction



Notes:

1. Design loads are for attachment of StiffClip HS to the jamb. Use minimum (4) #10 screws for the attachment of the clip to the header or sill. Load tables reflect horizontal loads (F2) and vertical loads (F3).
2. Design loads consider loads on the clip and #10 screw fasteners to the jamb web.
3. Loads listed reflect force in a single direction. When multiple loads react on the connection, it is the responsibility of the designer to check the interaction of forces.
4. Up to 1/4" gap is allowed between the jamb and the end of the header/sill member.
5. Allowable loads apply to 250, 300, and 350 flange sizes.
6. Allowable loads have not been increased for wind, seismic, or other factors.
7. For LRFD strengths contact TSN technical services.

Nomenclature

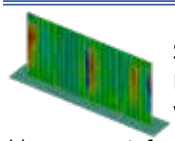
StiffClip HS is available for attachment to 3 ⅝", 6", or 8" jambs, and for use with JamStuds with 2 ½", 3" or 3 ½" flanges. To specify, multiply jamb width and header flange width by 100.

Example: *6" jamb and a header flange width of 2 ½"*
Designate: *StiffClip® HS600-250*

Example Details


StiffClip® HS used with Header


StiffClip® HS used with Sill



StiffClip HS Series
Blast and Seismic Design Data
www.steelnetwork.com

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