

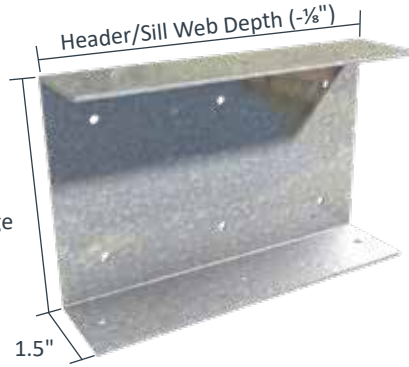
# StiffClip® HS

## Jamb Stud Header and Sill Connector

### 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)  
 G-90 (Z275) hot-dipped  
 galvanized coating.

Header/Sill Flange  
 Width (+ $\frac{1}{8}$ "")



The Steel Network, Inc.

www.steelnetwork.com

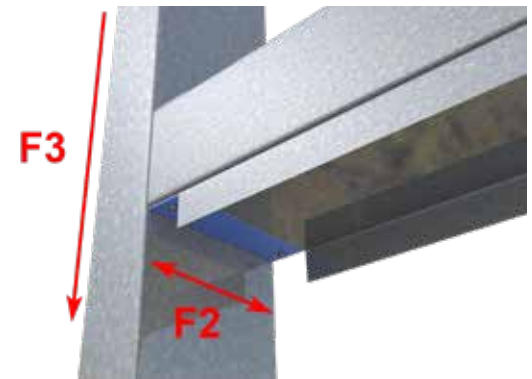
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### StiffClip HS Allowable Loads

StiffClip® HS Recommended Allowable Load (lbs): F2 & F3 Load Direction						
Screw Patterns with #12 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	303	559	664	743	1,109	1,128
33mil (20ga), 50ksi Stud	439	810	962	829	1,195	1,489
43mil (18ga), 33ksi Stud	416	777	935	801	1,167	1,461
43mil (18ga), 50ksi Stud	601	1,123	1,351	911	1,277	1,571
54mil (16ga), 33ksi Stud	545	1,028	1,250	865	1,231	1,525
54mil (16ga), 50ksi Stud	786	1,484	1,804	1,003	1,369	1,663
68mil (14ga), 50ksi Stud	991	1,872	2,275	1,121	1,487	1,781
97mil (12ga), 50ksi Stud	1,232	2,252	2,648	1,363	1,729	2,023

### Load Direction



### Notes:

- Design loads are for attachment of StiffClip HS to the jamb. Use minimum (4) #12 screws for the attachment of the clip to the header or sill. Load tables reflect horizontal loads (F2) and vertical loads (F3).
- Design loads consider loads on the clip and #12 screw fasteners to the jamb web.
- 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.
- Up to 1/4" gap is allowed between the jamb and the end of the header/sill member.
- Allowable loads apply to 250, 300, and 350 flange sizes.
- Allowable loads have not been increased for wind, seismic, or other factors.
- For LRFD strengths contact TSN technical services.

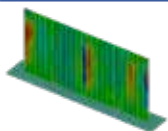
### Nomenclature

StiffClip HS is available for attachment to 3  $\frac{5}{8}$ ", 6", or 8" jambs, and for use with JamStuds with 2  $\frac{1}{2}$ ", 3" or 3  $\frac{1}{2}$ " flanges. To specify, multiply jamb width and header flange width by 100.

**Example:** 6" jamb and a header flange width of 2  $\frac{1}{2}$ "

**Designate:** StiffClip® HS600-250

### Example Details



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

\*\* For more information or to review a copy of this report, please visit our website at  
<http://www.steelnetwork.com/light-steel-framing-design-resources>