

The Steel Network, Inc.

# StiffClip® JH

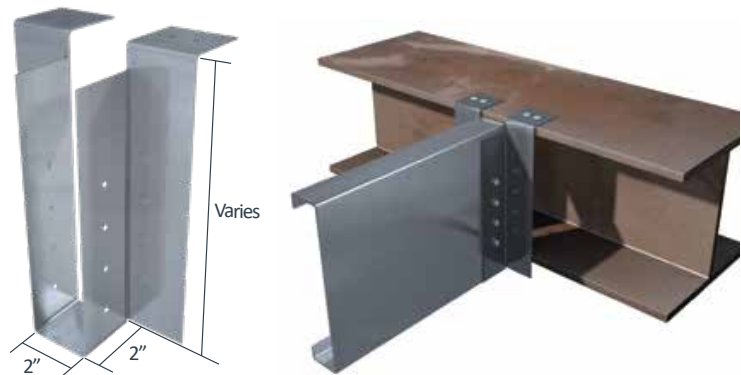
Joist Hanger

The Steel Network, Inc.



## Material Composition

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



## StiffClip JH Allowable Loads

StiffClip® JH Recommended Allowable Load (lbs): F3 Load Direction						
Screw Patterns with #12 Screws	JH600-68	JH800-68	JH1000-68	JH1000-97	JH1200-68	JH1200-97
	2 Screws	3 Screws	4 Screws	4 Screws	5 Screws	5 Screws
33mil (20ga), 33ksi Stud	638	474	377	377	313	313
33mil (20ga), 50ksi Stud	638	474	377	377	313	313
43mil (18ga), 33ksi Stud	1,416	1,051	836	836	694	694
43mil (18ga), 50ksi Stud	1,416	1,051	836	836	694	694
54mil (16ga), 33ksi Stud	2,575	2,091	1,661	1,661	1,377	1,377
54mil (16ga), 50ksi Stud	2,575	2,091	1,661	1,661	1,377	1,377
68mil (14ga), 33ksi Stud	2,575	2,575	2,575	3,345	2,575	2,771
68mil (14ga), 50ksi Stud	2,575	2,575	2,575	3,345	2,575	2,771
97mil (12ga), 33ksi Stud	2,575	2,575	2,575	4,167	2,575	4,167
97mil (12ga), 50ksi Stud	2,575	2,575	2,575	4,167	2,575	4,167
118mil (10ga), 50ksi Stud	2,575	2,575	2,575	4,167	2,575	4,167
Max Allowable Clip Load	2,575	2,575	2,575	4,167	2,575	4,167

## Notes:

- Design loads are for attachment of StiffClip JH to joist only. Load tables reflect vertical loads (F3).
- StiffClip JH resists vertical loads and web crippling.
- Design loads are based on clip capacity and allowable shear of joist section.
- Screw size and quantity shown is required for StiffClip JH to serve as a joist web stiffener.
- If joist web is larger than clip height then use blocking behind clip for support.
- Allowable loads have not been increased for wind, seismic, or other factors.
- Screws, powder actuated fasteners, or weld attachment may be used to connect StiffClip JH to steel headers or beams. StiffClip JH-68 and heavier can be welded to a supporting steel beam. Powder actuated fasteners into steel are recommended to be 0.157" diameter, and are limited to a maximum of 3/4" substrate thickness.
- For LRFD strengths contact TSN technical services.

## Nomenclature

StiffClip JH is designated by listing the joist depth in inches, followed by the inside flange dimension in inches x 100 (2" flange is standard, and will also service 1 5/8" flange), and the required clip thickness in mils that will accommodate anticipated loads. (see load tables)

**Example:** 6" joist, 2" flange, 2,250 lbs. load

**Designate:** StiffClip® JH600x200-68



Load Direction