

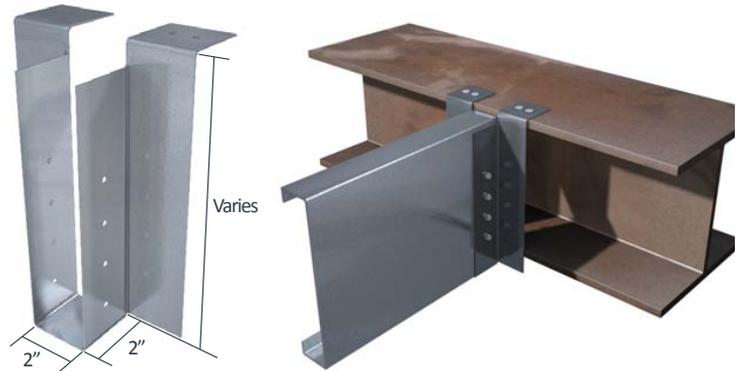
## StiffClip® JH

Joist Hanger

### 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.

The Steel Network, Inc. 



### StiffClip JH Allowable Loads

| StiffClip® JH Recommended Allowable Load (lbs): F3 |                      |                 |                |                |                |                |
|--|----------------------|-----------------|----------------|----------------|----------------|----------------|
| Joist  |                      | JH362/JH400- 43 | JH362/JH400-68 | JH600-43       | JH600-68       | JH800-43       |
| Thickness<br>Mils (ga)                             | Yield Strength (ksi) | w/1 #12 screw   | w/1 #12 screw  | w/2 #12 screws | w/2 #12 screws | w/3 #12 screws |
| 33 (20)  | 33                   | 1,024           | 1,024          | 638            | 638            | 474            |
| 33 (20)  | 50                   | 1,102           | 1,102          | 644            | 644            | 478            |
| 43 (18)  | 33                   | 1,739           | 1,739          | 1,416          | 1,416          | 1,051          |
| 43 (18)  | 50                   | 2,038           | 2,141          | 1,433          | 1,433          | 1,060          |
| 54 (16)  | 33                   | 2,038           | 2,341          | 2,038          | 2,575          | 2,038          |
| 54 (16)  | 50                   | 2,038           | 2,575          | 2,038          | 2,575          | 2,038          |
| 68 (14)  | 50                   | 2,038           | 2,575          | 2,038          | 2,575          | 2,038          |
| 97 (12)  | 50                   | 2,038           | 2,575          | 2,038          | 2,575          | 2,038          |
| 118 (10)   | 50                   | 2,038           | 2,575          | 2,038          | 2,575          | 2,038          |
| Max Allowable Clip Load                            |                      | 2,038           | 2,575          | 2,038          | 2,575          | 2,038          |

| StiffClip® JH Recommended Allowable Load (lbs): F3 |                      |                |                |                |                |                |
|--|----------------------|----------------|----------------|----------------|----------------|----------------|
| Joist  |                      | JH800-68       | JH1000-68      | JH1000-97      | JH1200-68      | JH1200-97      |
| Thickness<br>Mils (ga)                             | Yield Strength (ksi) | w/3 #12 screws | w/4 #12 screws | w/4 #12 screws | w/5 #12 screws | w/5 #12 screws |
| 33 (20)  | 33                   | 474            | N/A            | N/A            | N/A            | N/A            |
| 33 (20)  | 50                   | 478            | N/A            | N/A            | N/A            | N/A            |
| 43 (18)  | 33                   | 1,051          | 836            | 836            | N/A            | N/A            |
| 43 (18)  | 50                   | 1,060          | 842            | 842            | N/A            | N/A            |
| 54 (16)  | 33                   | 2,091          | 1,661          | 1,661          | 1,377          | 1,377          |
| 54 (16)  | 50                   | 2,091          | 1,661          | 1,661          | 1,377          | 1,377          |
| 68 (14)  | 50                   | 2,575          | 2,575          | 3,345          | 2,575          | 2,771          |
| 97 (12)  | 50                   | 2,575          | 2,575          | 4,167          | 2,575          | 4,167          |
| 118 (10)   | 50                   | 2,575          | 2,575          | 4,167          | 2,575          | 4,167          |
| Max Allowable Clip Load                            |                      | 2,575          | 2,575          | 4,167          | 2,575          | 4,167          |

### Notes:

- Screw size and quantity shown is required for JH to serve as web stiffener.
- Design loads based on clip capacity and allowable shear in joist. Allowable loads have not been increased for wind, seismic, or other factors.
- If beam web is larger than clip length, use blocking behind clip for support.
- StiffClip JH resists vertical loads and web crippling.
- Screws, powder-actuated fasteners, or weld attachment may be used to connect StiffClip JH to the steel header/beam. StiffClip JH 68mil and heavier can be welded to the steel beam. Powder-actuated fasteners into steel are recommended to be 0.157" diameter, and are limited to a maximum of 3/4" substrate thick

### 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



**FOR MORE INFORMATION CALL 1-888-926-1365**  
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