

# U/HU/HUC/HUCQ

## Face-Mount Hangers

See hanger tables on pp. 156–162.

**U** — The standard U hanger provides flexibility of joist to header installation. Versatile fastener selection with tested allowable loads.

**HU/HUC** — Most models have triangle and round holes. To achieve maximum loads, fill both round and triangle holes with common nails.

**HUCQ** — Features concealed flanges so it can be installed close to the end of the supporting beam or on a post. They install with Strong-Drive® SDS Heavy-Duty Connector screws (supplied with the hanger) for high capacity and ease of installation.

**Feature:**

- HUCQ only — Fire-resistant F (flame) and T (temperature) rated in Intertek Design No. SST/WPCF 120-01.



**Material:** U — 16 gauge; HU/HUC/HUCQ — 14 gauge

**Finish:** Galvanized

**Installation:**

- Use all specified fasteners; see General Notes.
- HU/HUC — Can be installed filling round holes only, or filling round and triangle holes for maximum values.
- HUCQ — When using structural composite lumber columns, the capacities shown in the tables are for fasteners applied to the wide face of the column.
- Web stiffeners are required for all I-joists used with these hangers.
- For installation to masonry or concrete, see pp. 253–255.
- HU/HUC/HUCQ hangers can be welded to a steel member. For HU/HUC allowable loads, refer to technical bulletin T-C-HUHUC-W at [strongtie.com](http://strongtie.com). HUCQ allowable loads listed in hanger tables on pp. 156–162 apply when installed with minimum (6) 1" welds.

**Options:**

- Order HUC\_X hanger. For both flanges concealed, order HUC.

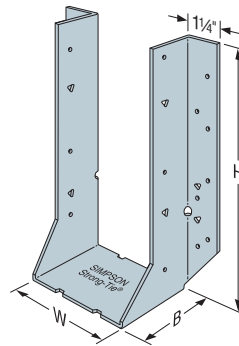
**Sloped, Skewed and Sloped/Skewed:**

- For low-cost, code-approved 45° skewed hangers, see SUR/SUL on pp. 164–165.
- For field-adjustable hangers, see LSSR on pp. 166–167.
- See modification table for available options and associated load capacities for U and HU hangers.
- HUCQ cannot be modified.

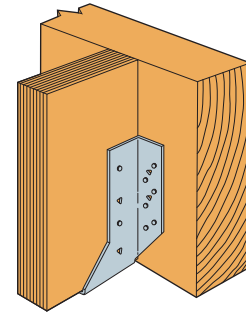
**Codes:** See p. 13 for Code Reference Key Chart

**Web Applications:**

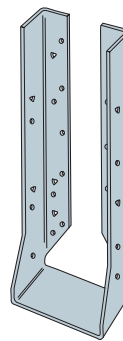
Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to access our Hanger Selector web application.



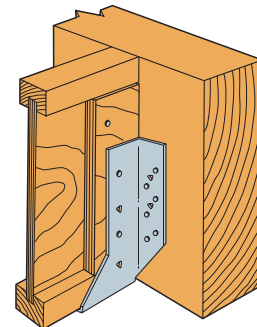
**HU410**



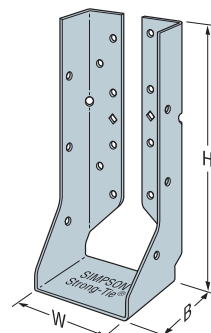
**Typical HU7 Installation**



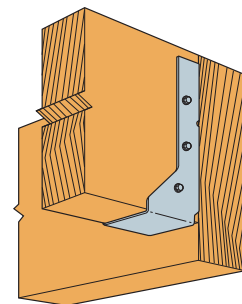
**HUC412  
Concealed Flanges**



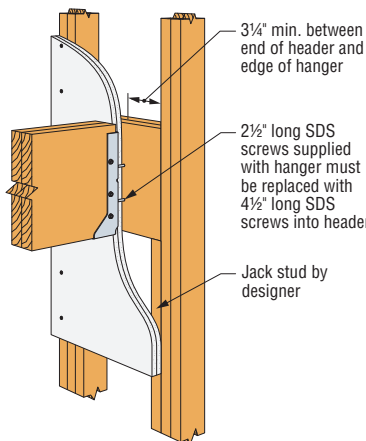
**Typical HU7 Installation**



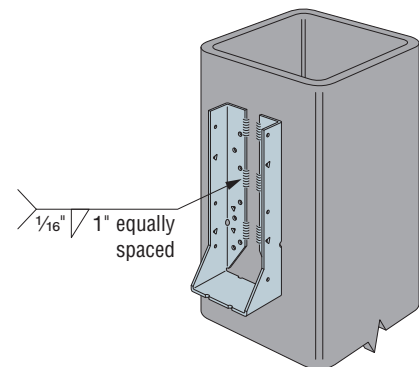
**HUCQ**



**Typical HUCQ Installed on End of a Beam**



**HUCQ Over Two Layers of 5/8" Drywall**



**HUC Welded to Steel Column (HUCQ similar)**

# U/HU/HUC/HUCQ

## Face-Mount Hangers (cont.)

### U/HU/HUC Series Modifications and Associated Load Reductions

Seat		Flange		Fastener Substitutions	
Seat Sloped Up or Down 45° Max.	Seat Skewed 67½° Max. <sup>3</sup> for W ≤ 6 45° Max. for W ≥ 6	One or Both HU Flanges Concealed <sup>2</sup>		Stainless-Steel Nails 0.162" x 3½"	
1.00	W ≤ 3⅝ use 1.00 W > 3⅝ use 0.80	0.80		Ring shank	1.00
		1.00 (normal) 0.80 (when sloped and skewed)		Smooth shank (normal seat)	1.00
				Smooth shank (modified seat <sup>1</sup> )	0.50

- Modified seat is sloped, skewed, or both. If sloped only or skewed only, use a smooth-shank stainless-steel reduction of 0.65.
- For hanger applications with both flanges concealed, W must be at least 2⅝". To order, ask for HUCXXX.  
For skewed HUC, only flange on acute side is concealed.
- Skews over 50° require a square-cut joist.

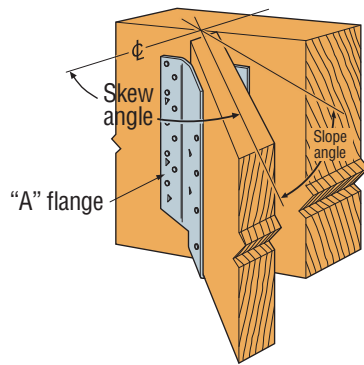
### Reduction Factor Instructions

**Allowable Download** = Seat x Flange x Stainless Steel Nails x Other Fastener Substitutions x Table Load

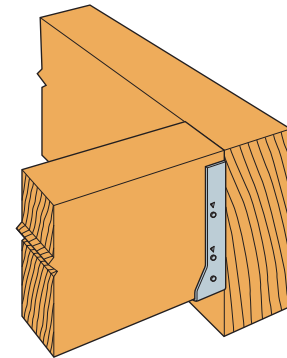
**Allowable Uplift** = 0.75 x Face Fastener Type x Table Load for skewed or sloped  
1.00 x Face Fastener Type x Table Load for non-skewed or non-sloped

### Maximum Skew Angle for Skewed HUC Hangers

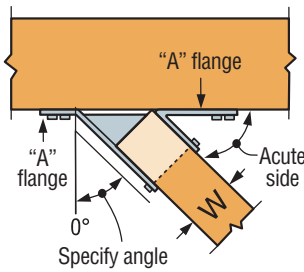
Hanger Width (in.)	Maximum Skew (degree)
2⅝	31
2⅞	31
3	34
3¼	37
3⅝	41
3¾	42
> 3¾	45



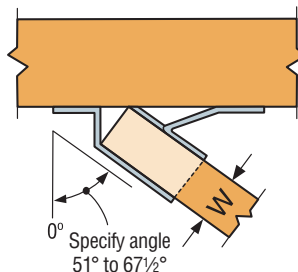
Typical HU Sloped Down, Skewed Right Installation



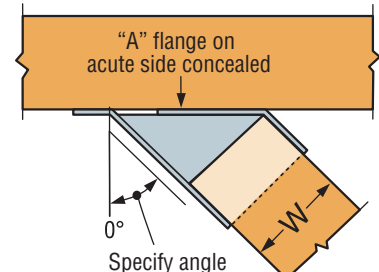
Typical HUC Installed on a Beam



Top View U Hanger Skewed Right < 51° (square cut)



Top View U Hanger Skewed Right ≥ 51° (square cut)



Top View HUC Concealed Hanger Skewed Right (square cut)

# HU/HUC

## Heavy-Duty Face-Mount Hangers

HU/HUC hangers may be installed on a masonry/concrete wall as described below. Additionally, HU hangers with one flange concealed may be installed similarly.

HU and HUC products are heavy-duty face-mount joist hangers made from 14-gauge galvanized steel.

- The HUC is a concealed flange (face flanges turned in) version of the HU.
- HU is available with both flanges concealed, provided the W dimension is  $2\frac{5}{16}$ " or greater, at 100% of the table load. Specify HUC.
- HU is available with one flange concealed when the W dimension is less than  $2\frac{5}{16}$ " at 100% of the table load. Specify as an 'X' version and specify flange to conceal.
- For any wood-to-wood HU or HUC shown in this catalog, the user may substitute all face nails with  $\frac{1}{4}$ " x  $1\frac{3}{4}$ " Titen Turbo™ screws (Model TNT25134H) for concrete and  $\frac{1}{4}$ " x  $2\frac{1}{4}$ " Titen Turbo screws (Model TNT25214H) for GFCMU. Follow all installation instructions below and use the loads from the sawn lumber or EWP sections.

**Material:** 14 gauge

**Finish:** Galvanized; ZMAX® coating available

### Installation:

- Attach the hangers to concrete or GFCMU walls using hex-head Titen Turbo screws. Titen Turbo screw anchors for GFCMU ( $\frac{1}{4}$ " x  $2\frac{1}{4}$ " — Model TNT25214H) and for concrete ( $\frac{1}{4}$ " x  $1\frac{3}{4}$ " — Model TNT25134H) are sold separately.
- Drill and prep the holes according to the Installation Instructions provided with the packaging for Titen Turbo screw anchors.
- Caution: Oversized-diameter holes in the base material will reduce or eliminate the mechanical interlock of the threads with the base material and will reduce the anchor's load capacity.
- Titen Turbo Installation Kits are available (Model TNTINSTALLKIT). A  $\frac{3}{16}$ " x 6" SDS-plus drill bit is also available (Model MDPL01860SH).
- **Installation on GFCMU** — A minimum edge distance of  $1\frac{1}{2}$ " and a minimum end distance of  $3\frac{7}{8}$ " is required as shown in Figure 1 for full load. Where no uplift is required, a minimum end distance of  $1\frac{1}{2}$ " is permitted. For HU models installed with  $\frac{5}{8}$ " minimum face fastener edge distances or HUC models installed with side of hanger edge flush and with a minimum end distance of 1", allowable download is 0.63 of table loads with no reduction for uplift loads.
- **Installation on Concrete** — A minimum end and edge distance of 3" is required for table loads. For edge distances of  $1\frac{3}{4}$ " minimum and a minimum end distance of 3", allowable download is 0.90 of table loads with no reduction for uplift loads. For HU models installed with  $\frac{5}{8}$ " minimum face fastener edge distances or HUC models installed with side of hanger edge flush and with a minimum end distance of 1", allowable download is 0.63 of table loads with no reduction for uplift loads.

**Codes:** See p. 13 for Code Reference Key Chart

**Web Applications:** Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to access our Hanger Selector web application.

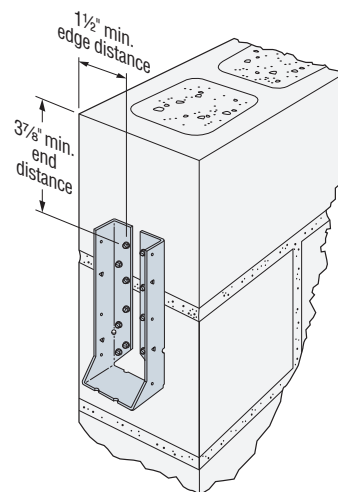
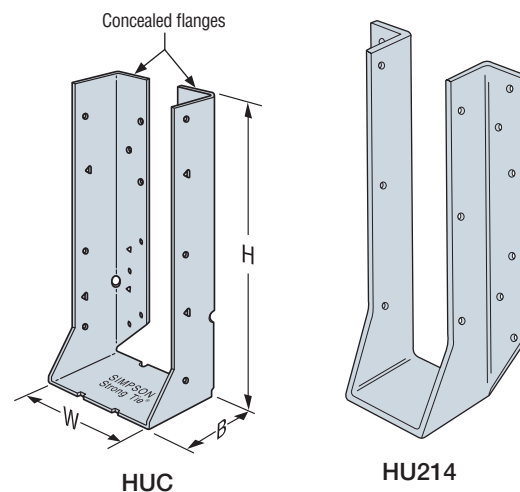


Figure 1 — HUC410 Installed on Masonry Block End Wall

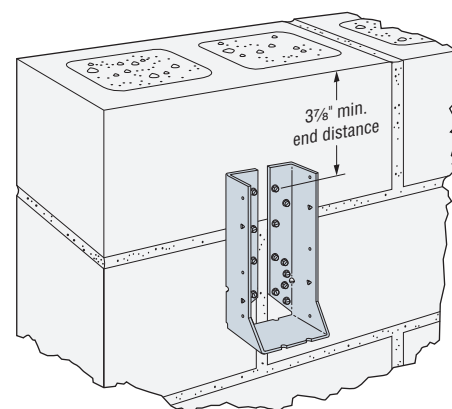


Figure 2 — HUC410 Installed on Masonry Block End Wall

# HU/HUC

## Heavy-Duty Face-Mount Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 16.

Model No.		Fasteners (in.)			DF/SP Allowable Loads				Code Ref.
					GFCMU		Concrete		
Standard	Concealed	GFCMU Titen Turbo™	Concrete Titen Turbo	Joist	Uplift (160)	Down (100/125)	Uplift (160)	Down (100/125)	
HU26	HU26X	(4) ¼ x 2¼	(4) ¼ x 1¾	(2) 0.148 x 1½	335	1,130	335	1,240	
HU28	HU28X	(6) ¼ x 2¼	(6) ¼ x 1¾	(4) 0.148 x 1½	545	1,700	760	1,860	
HU24-2	HUC24-2	(4) ¼ x 2¼	(4) ¼ x 1¾	(2) 0.148 x 3	380	1,130	380	1,240	
HU26-2 (Min.)	HUC26-2	(8) ¼ x 2¼	(8) ¼ x 1¾	(4) 0.148 x 3	760	2,265	760	2,480	
HU26-2 (Max.)	HUC26-2	(12) ¼ x 2¼	(12) ¼ x 1¾	(6) 0.148 x 3	1,135	3,395	1,135	3,720	
HU26-3 (Min.)	HUC26-3 (Min.)	(8) ¼ x 2¼	(8) ¼ x 1¾	(4) 0.148 x 3	760	2,265	760	2,480	
HU26-3 (Max.)	HUC26-3 (Max.)	(12) ¼ x 2¼	(12) ¼ x 1¾	(6) 0.148 x 3	1,135	3,395	1,135	3,720	
HU28-2 (Min.)	HUC28-2 (Min.)	(10) ¼ x 2¼	(10) ¼ x 1¾	(4) 0.148 x 3	760	2,830	760	3,100	
HU28-2 (Max.)	HUC28-2 (Max.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.148 x 3	1,135	3,960	1,135	4,340	
HU210	HU210X	(8) ¼ x 2¼	(8) ¼ x 1¾	(4) 0.148 x 1½	545	2,265	760	2,480	
HU210-2 (Min.)	HUC210-2 (Min.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.148 x 3	1,135	3,960	1,135	4,340	
HU210-2 (Max.)	HUC210-2 (Max.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(10) 0.148 x 3	1,800	5,095	1,800	5,210	
HU210-3 (Min.)	HUC210-3 (Min.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.148 x 3	1,135	3,960	1,135	4,340	
HU210-3 (Max.)	HUC210-3 (Max.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(10) 0.148 x 3	1,800	5,095	1,800	5,210	
HU212	HU212X	(10) ¼ x 2¼	(10) ¼ x 1¾	(6) 0.148 x 1½	1,135	2,830	1,135	2,865	
HU212-2 (Min.)	HUC212-2 (Min.)	(16) ¼ x 2¼	(16) ¼ x 1¾	(6) 0.148 x 3	1,135	4,530	1,135	4,960	
HU212-2 (Max.)	HUC212-2 (Max.)	(22) ¼ x 2¼	(22) ¼ x 1¾	(10) 0.148 x 3	1,350	5,210	1,350	5,210	
HU212-3 (Min.)	HUC212-3 (Min.)	(16) ¼ x 2¼	(16) ¼ x 1¾	(6) 0.148 x 3	1,135	4,530	1,135	4,960	
HU212-3 (Max.)	HUC212-3 (Max.)	(22) ¼ x 2¼	(22) ¼ x 1¾	(10) 0.148 x 3	1,800	5,210	1,800	5,210	
HU214	HU214X	(12) ¼ x 2¼	(12) ¼ x 1¾	(6) 0.148 x 1½	1,135	2,865	1,135	2,665	
HU214-2 (Min.)	HUC214-2 (Min.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.148 x 3	1,515	5,095	1,515	5,210	
HU214-2 (Max.)	HUC214-2 (Max.)	(24) ¼ x 2¼	(24) ¼ x 1¾	(12) 0.148 x 3	2,015	5,095	2,015	5,210	
HU214-3 (Min.)	HUC214-3 (Min.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.148 x 3	1,515	5,095	1,515	5,210	
HU214-3 (Max.)	HUC214-3 (Max.)	(24) ¼ x 2¼	(24) ¼ x 1¾	(12) 0.148 x 3	2,015	5,095	2,015	5,210	
HU216	HU216X	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.148 x 1½	1,515	3,115	1,515	2,920	
HU216-2 (Min.)	HUC216-2 (Min.)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.148 x 3	1,515	5,210	1,515	5,210	
HU216-2 (Max.)	HUC216-2 (Max.)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.148 x 3	2,015	5,210	2,015	5,210	
HU216-3 (Min.)	HUC216-3 (Min.)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.148 x 3	1,515	5,210	1,515	5,210	
HU216-3 (Max.)	HUC216-3 (Max.)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.148 x 3	2,015	5,210	2,015	5,210	
HU7 (Min.)	(Not available)	(12) ¼ x 2¼	(12) ¼ x 1¾	(4) 0.148 x 1½	545	3,240	760	3,240	
HU7 (Max.)	(Not available)	(16) ¼ x 2¼	(16) ¼ x 1¾	(8) 0.148 x 1½	1,085	3,740	1,085	3,740	
HU9 (Min.)	(Not available)	(18) ¼ x 2¼	(18) ¼ x 1¾	(6) 0.148 x 1½	1,135	3,490	1,135	3,490	
HU9 (Max.)	(Not available)	(24) ¼ x 2¼	(24) ¼ x 1¾	(10) 0.148 x 1½	1,445	3,995	1,445	3,995	
HU11 (Min.)	(Not available)	(22) ¼ x 2¼	(22) ¼ x 1¾	(6) 0.148 x 1½	1,135	3,490	1,135	3,490	
HU11 (Max.)	(Not available)	(30) ¼ x 2¼	(30) ¼ x 1¾	(10) 0.148 x 1½	1,445	3,995	1,445	3,995	
HU14 (Min.)	(Not available)	(28) ¼ x 2¼	(28) ¼ x 1¾	(8) 0.148 x 1½	1,515	3,740	1,515	3,740	
HU14 (Max.)	(Not available)	(36) ¼ x 2¼	(36) ¼ x 1¾	(14) 0.148 x 1½	2,015	4,500	2,015	4,500	
HU3.25/10.5	(Not available)	(22) ¼ x 2¼	(22) ¼ x 1¾	(10) 0.148 x 3	1,895	5,210	1,895	5,210	
HU3.25/12	(Not available)	(24) ¼ x 2¼	(24) ¼ x 1¾	(12) 0.148 x 3	2,015	5,210	2,015	5,210	
HU3.25/16 (Min.)	(Not available)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.148 x 3	1,515	5,210	1,515	5,210	
HU3.25/16 (Max.)	(Not available)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.148 x 3	2,015	5,210	2,015	5,210	
HU44	HUC44	(4) ¼ x 2¼	(4) ¼ x 1¾	(2) 0.148 x 3	380	1,130	380	1,240	
HU46 (Min.)	HUC46 (Min.)	(8) ¼ x 2¼	(8) ¼ x 1¾	(4) 0.148 x 3	760	2,265	760	2,480	
HU46 (Max.)	HUC46 (Max.)	(12) ¼ x 2¼	(12) ¼ x 1¾	(6) 0.148 x 3	1,135	3,395	1,135	3,720	

See footnotes on p. 255.

## HU/HUC

## Heavy-Duty Face-Mount Hangers (cont.)

These products are available with additional corrosion protection. For more information, see p. 16.

Model No.		Fasteners (in.)			DF/SP Allowable Loads				Code Ref.
					GFCMU		Concrete		
Standard	Concealed	GFCMU Titen Turbo™	Concrete Titen Turbo	Joist	Uplift (160)	Down (100/125)	Uplift (160)	Down (100/125)	
➡ HU48 (Min.)	HUC48 (Min.)	(10) ¼ x 2¼	(10) ¼ x 1¾	(4) 0.148 x 3	760	2,830	760	3,100	
➡ HU48 (Max.)	HUC48 (Max.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.148 x 3	1,135	3,960	1,135	4,340	
➡ HU410 (Min.)	HUC410 (Min.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.148 x 3	1,135	3,960	1,135	4,340	
➡ HU410 (Max.)	HUC410 (Max.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(10) 0.148 x 3	1,800	5,095	1,800	5,210	
HU412 (Min.)	HUC412 (Min.)	(16) ¼ x 2¼	(16) ¼ x 1¾	(6) 0.148 x 3	1,135	4,530	1,135	4,960	
HU412 (Max.)	HUC412 (Max.)	(22) ¼ x 2¼	(22) ¼ x 1¾	(10) 0.148 x 3	1,800	5,210	1,800	5,210	
HU414 (Min.)	HUC414 (Min.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.148 x 3	1,515	5,095	1,515	5,210	
HU414 (Max.)	HUC414 (Max.)	(24) ¼ x 2¼	(24) ¼ x 1¾	(12) 0.148 x 3	2,015	5,095	2,015	5,210	
HU416 (Min.)	HUC416 (Min.)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.148 x 3	1,515	5,210	1,515	5,210	
HU416 (Max.)	HUC416 (Max.)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.148 x 3	2,015	5,210	2,015	5,210	
HU66 (Min.)	HUC66 (Min.)	(8) ¼ x 2¼	(8) ¼ x 1¾	(4) 0.162 x 3½	900	2,265	900	2,480	
HU66 (Max.)	HUC66 (Max.)	(12) ¼ x 2¼	(12) ¼ x 1¾	(6) 0.162 x 3½	1,345	3,395	1,345	3,720	
HU68 (Min.)	HUC68 (Min.)	(10) ¼ x 2¼	(10) ¼ x 1¾	(4) 0.162 x 3½	900	2,830	900	3,100	
HU68 (Max.)	HUC68 (Max.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.162 x 3½	1,345	3,960	1,345	4,340	
HU610 (Min.)	HUC610 (Min.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.162 x 3½	1,345	3,960	1,345	4,340	
HU610 (Max.)	HUC610 (Max.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,095	1,795	5,210	
HU612 (Min.)	HUC612 (Min.)	(16) ¼ x 2¼	(16) ¼ x 1¾	(6) 0.162 x 3½	1,345	4,530	1,345	4,960	
HU612 (Max.)	HUC612 (Max.)	(22) ¼ x 2¼	(22) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,210	1,795	5,210	
HU614 (Min.)	HUC614 (Min.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,095	1,795	5,210	
HU614 (Max.)	HUC614 (Max.)	(24) ¼ x 2¼	(24) ¼ x 1¾	(12) 0.162 x 3½	2,015	5,210	2,015	5,210	
HU616 (Min.)	HUC616 (Min.)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,210	1,795	5,210	
HU616 (Max.)	HUC616 (Max.)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.162 x 3½	2,015	5,210	2,015	5,210	
HU410-2 (Min.)	HUC410-2 (Min.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.162 x 3½	1,345	3,960	1,345	4,340	
HU410-2 (Max.)	HUC410-2 (Max.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,095	1,795	5,210	
HU412-2 (Min.)	HUC412-2 (Min.)	(16) ¼ x 2¼	(16) ¼ x 1¾	(6) 0.162 x 3½	1,345	4,530	1,345	4,960	
HU412-2 (Max.)	HUC412-2 (Max.)	(22) ¼ x 2¼	(22) ¼ x 1¾	(10) 0.162 x 3½	1,800	5,210	1,800	5,210	
HU414-2 (Min.)	HUC414-2 (Min.)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,210	1,795	5,210	
HU414-2 (Max.)	HUC414-2 (Max.)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.162 x 3½	2,015	5,210	2,015	5,210	
HU88 (Min.)	HUC88 (Min.)	(10) ¼ x 2¼	(10) ¼ x 1¾	(4) 0.162 x 3½	900	2,830	900	3,100	
HU88 (Max.)	HUC88 (Max.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.162 x 3½	1,345	3,960	1,345	4,340	
HU810 (Min.)	HUC810 (Min.)	(14) ¼ x 2¼	(14) ¼ x 1¾	(6) 0.162 x 3½	1,345	3,960	1,345	4,340	
HU810 (Max.)	HUC810 (Max.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,095	1,795	5,210	
HU812 (Min.)	HUC812 (Min.)	(16) ¼ x 2¼	(16) ¼ x 1¾	(6) 0.162 x 3½	1,345	4,530	1,345	4,960	
HU812 (Max.)	HUC812 (Max.)	(22) ¼ x 2¼	(22) ¼ x 1¾	(10) 0.162 x 3½	1,800	5,210	1,800	5,210	
HU814 (Min.)	HUC814 (Min.)	(18) ¼ x 2¼	(18) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,095	1,795	5,210	
HU814 (Max.)	HUC814 (Max.)	(24) ¼ x 2¼	(24) ¼ x 1¾	(12) 0.162 x 3½	2,015	5,210	2,015	5,210	
HU816 (Min.)	HUC816 (Min.)	(20) ¼ x 2¼	(20) ¼ x 1¾	(8) 0.162 x 3½	1,795	5,210	1,795	5,210	
HU816 (Max.)	HUC816 (Max.)	(26) ¼ x 2¼	(26) ¼ x 1¾	(12) 0.162 x 3½	2,015	5,210	2,015	5,210	

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
- Concrete shall have a minimum compressive strength of  $f'_c = 2,500$  psi.
- Grout-filled CMU (GFCMU) shall have a minimum compressive strength of  $f'_m = 1,500$  psi.
- When only one flange is concealed, specify whether the right or the left is the concealed flange.
- Products shall be installed such that Titen Turbo screws are not exposed to the weather.
- Fasteners:** Nail dimensions are listed diameter by length. Titen Turbo screws are Simpson Strong-Tie concrete and masonry screws (hex-head model required). See pp. 23–24 for fastener information.



Visit [app.strongtie.com/hs](https://app.strongtie.com/hs) to access our Hanger Selector web application.

# HU/HUC Hangers

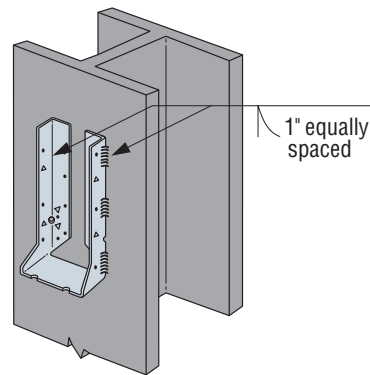
**Material:** 68 mil (14 ga.)

**Finish:** Galvanized (G90)

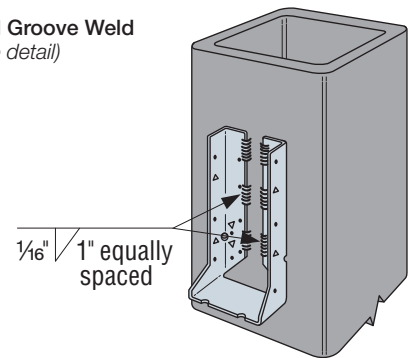
**Installation:**

- Single Joist — Fill all round holes on one leg of HU/HUC with #10 screws to web of joist.
- Boxed Joist — Fill all round holes on both legs of HU/HUC with #10 screws to web of both joists.
- Screw attach to Steel — Fill all round holes on both flanges to structural steel support.
- Weld attach to Steel — Use 1" weld segments equally spaced top and bottom with half the segments on each side of hanger. Welds may be either lap joint (on outside edge of flanges) or flare-bevel groove (on flange bend line).

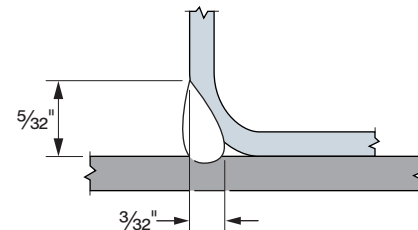
**Codes:** See p. 13 for Code Reference Key Chart



Flare-Bevel Groove Weld  
(see detail)



Lap-Joint Fillet Weld



Flare-Bevel Groove Weld Detail

## HU/HUC Allowable Loads (lb.)

Model No.	Fasteners		Joist Depth (in.)	Joist Thickness mil (ga.)	ASD		Code Ref.
	Face	Joist			Download (lb.)	Uplift (lb.)	
HU36/ HUC36	(8) #12	(2) #10	6	33 (20)	990	355	—
				43 (18)	1,480	525	
				54 (16)	1,480	915	
				68 (14)	1,400	1,080	
				97 (12)	1,400	1,080	
HU38/ HUC38	(10) #12	(2) #10	8	33 (20)	825	355	—
				43 (18)	1,220	525	
				54 (16)	1,220	915	
				68 (14)	1,500	1,080	
				97 (12)	1,500	1,080	
HU310/ HUC310	(14) #12	(3) #10	10	43 (18)	1,435	790	—
				54 (16)	1,585	1,495	
				68 (14)	1,995	1,620	
				97 (12)	1,995	1,620	
HU312/ HUC312	(16) #12	(3) #10	12	54 (16)	1,355	1,495	—
				68 (14)	1,985	1,620	
				97 (12)	1,985	1,620	

1. Loads assume E-70S-6 (60 ksi) filler rod.
2. Welds must conform to the current AWS D1.3 structural welding code for sheet steel and must be performed by a certified welder.
3. Designer shall ensure that the joist member adequately transfers load to hanger.
4. Design loads must not exceed the weld capacities onto steel members of 3,280 lb. for four 1" segment weld, and 4,855 lb. for six 1" segment weld.
5. See the current *Fastening Systems* catalog at [strongtie.com](http://strongtie.com) for more information on Simpson Strong-Tie fasteners.

**Installation for CFS Built-Up Beam**  
The designer is responsible for design of beam member.

