

LUS/HUS/HHUS/HGUS

Double-Shear Face-Mount Joist Hangers (cont.)

HHUS/HGUS

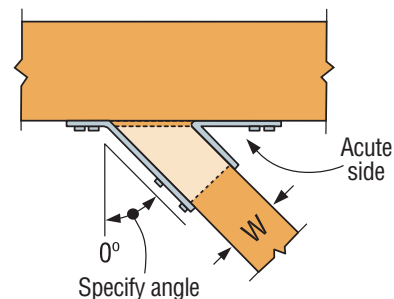
HHUS — Sloped and/or Skewed Seat

- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum allowable download is 0.85 of the table load
- For sloped only or sloped and skewed hangers, the maximum allowable download is 0.65 of the table load
- Uplift loads for sloped/skewed conditions are 0.72 of the table load, not to exceed 2,475 lb.
- The joist must be bevel-cut to allow for double-shear nailing

HGUS — Skewed Seat

- HGUS hangers can be skewed only to a maximum of 45°. Allowable loads are:

HHUS Seat Width	Joist	Download	Uplift
$W < 2"$	Square cut	0.62 of table load	0.46 of table load
$W < 2"$	Bevel cut	0.72 of table load	0.46 of table load
$2" < W < 6"$	Bevel cut	0.85 of table load	0.41 of table load
$2" < W < 6"$	Square cut	0.46 of table load	0.41 of table load
$W > 6"$	Bevel cut	0.85 of table load	0.41 of table load



Top View HHUS Hanger
Skewed Right

(joist must be bevel cut)
All joist nails installed on the
outside angle (non-acute side).

HUCQ

Heavy-Duty Face-Mount Joist Hanger

The HUCQ series are heavy-duty joist hangers that incorporate Strong-Drive® SDS Heavy-Duty Connector screws. Designed and tested for installation at the end of a beam or on a post, they provide a strong connection with fewer fasteners than nailed hangers. See pp. 144–150 for structural composite lumber hangers.

Material: 14 gauge

Finish: Galvanized. Most models available in stainless steel or ZMAX® coating.

Installation:

- Use all specified fasteners; see General Notes.
- Install 1/4" x 2 1/2" Strong-Drive SDS Heavy-Duty Connector screws, which are provided, in all round holes. (Lag screws will not achieve the same load.)
- HUCQ hangers can be welded to a steel member. Allowable loads are the lesser of the values in the hanger tables on pp. 104–113 or the weld capacity — refer to technical bulletin T-C-HUHUC-W at strongtie.com.

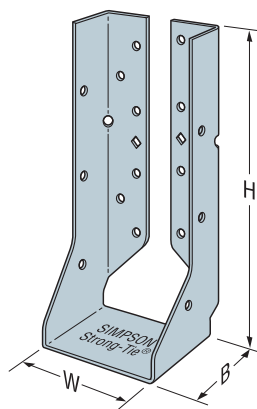
Allowable Loads:

- See table on pp. 104–113 for loads.

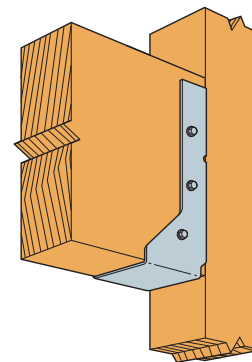
Options:

- These hangers cannot be modified.

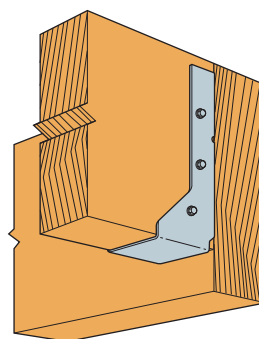
Codes: See p. 12 for Code Reference Key Chart



HUCQ410



Typical HUCQ
Installation on a Post



Typical HUCQ
Installation on
a Beam

U/HU/HUC/HUCQ

Face-Mount Hangers

See hanger tables on pp. 144–150.

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.

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. 237–239.
- **HU/HUC/HUCQ** hangers can be welded to a steel member. Allowable loads are the lesser of the values in the hanger tables on pp. 144–150 or the weld capacity — refer to technical bulletin T-HUHUC-W at strongtie.com.
- When nailing into carrying member's end grain, the allowable load is adjusted by a factor of 0.67.

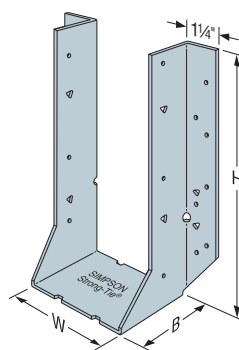
Options:

- Order **HUC_X** hanger. For both flanges concealed, order **HUC**.

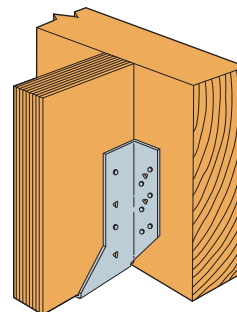
Sloped, Skewed and Sloped/Skewed:

- For low-cost, code-approved 45° skewed hangers, see **SUR/SUL** on pp. 152–153.
- For field-adjustable hangers, see **LSSR** on pp. 154–155.
- See modification table for available options and associated load capacities for U and HU hangers.
- **HUCQ** cannot be modified.

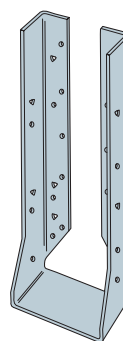
Codes: See p. 12 for Code Reference Key Chart



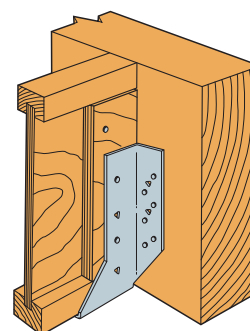
HU410



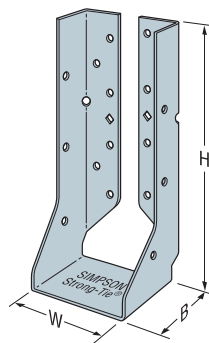
Typical HU7 Installation



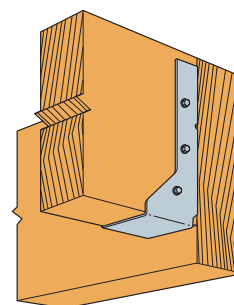
HUC412
Concealed Flanges



Typical HU7 Installation



HUCQ



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

Model configurations may differ from those shown.
Some HU models do not have triangle holes.
Contact Simpson Strong-Tie for details.

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

1. Modified seat is sloped, skewed, or both. If sloped only or skewed only, use a smooth-shank stainless-steel reduction of 0.65.

2. 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.

3. Skews over 50° require a square-cut joist.

Reduction Factor Instructions

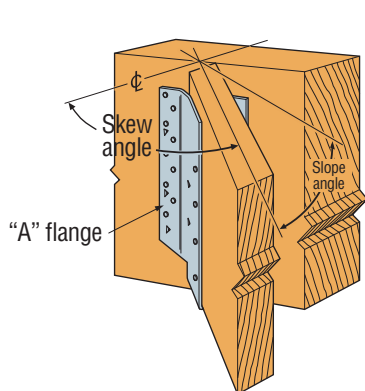
Allowable Download = Seat x Flange x Stainless Steel Nails x Other Fastener Substitutions x (Table Load)

Allowable Uplift = 0.75 x Face Fastener Type x (Table Load) for skewed or sloped

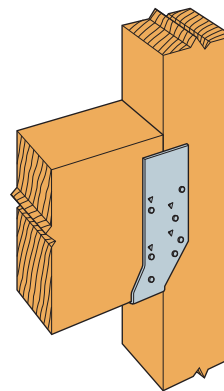
1.00 x Face Fastener Type x (Table Load) for non-skewed or non-sloped

Maximum
Skew Degree
for Skewed
HUC Hangers

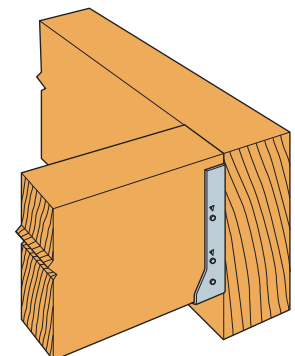
Hanger Width (in.)	Maximum Skew (degree)
2⅝	31
2⅞	31
2⅞	34
2¾	37
3⅝	41
3¼	42
> 3¼	45



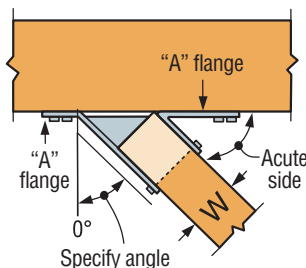
Typical HU Sloped Down,
Skewed Right Installation



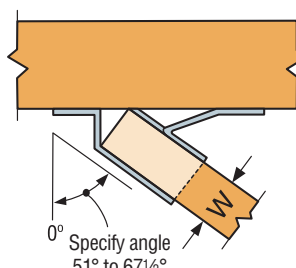
Typical HU Installation
Manufactured with
Flanges Straight



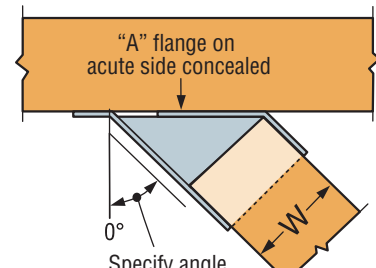
Typical HUC
Installed on a Beam



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)