

# HANGER OPTIONS

## U/HU

See Hanger Options General Notes.

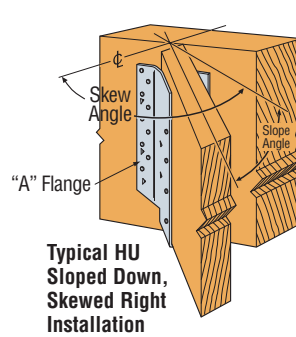
Not all slope and skew combinations are available.

### SLOPED AND/OR SKEWED

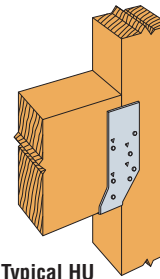
- For low-cost, code-reported 45° skews, see SUR/SUL and HSUR/HSUL. See also LSU/LSSU connectors.
- These options only apply to wood-to-wood connections.
- U/HU may be skewed to a maximum of 45° and sloped to a maximum of 45°. Hangers 5½" or less in width may be skewed to 67½°. Hangers skewed 51°- 67½° require a square cut.
- For all options, uplift loads are 0.75 of table loads.
- For combined slopes and skews, the maximum allowable download is 0.80 of the table load.
- For skewed hangers 3¾" and less in width, the allowable download is 100% of the table load. For skewed hangers over 3¾" in width the allowable download is 80% of the table load. For slope only, the allowable download is 100% of the table load.

### STRAIGHT OR CONCEALED FLANGE

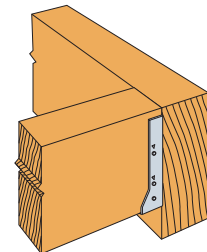
- HU is available with the A flanges straight at 100% of the table loads if  $W \geq 3\frac{1}{2}$ ".
- If  $W < 3$ ", use N10 nails at 0.64 of the table load.
- If  $W \geq 3$ ", use 10d nails at 0.84 of the table load.
- HU is available with A flanges concealed, provided the W dimension is 2½" or greater, at 100% of the table load. Specify HUC.
- HU is available with one flange concealed when the W dimension is less than 2½" at 100% of the table load.
- For skewed only HUC hangers, the flange on the acute side can be concealed at 100% of the table load. See table for skew limitations.
- For sloped only hangers, flanges can be concealed at 100% of the table load.
- For sloped and skewed hangers, the flange on the acute side can be concealed at 0.80 of the table load. Contact Simpson Strong-Tie for skew limitations.
- When nailing into the carrying member's end grain, the allowable load is 0.67 of the table load.
- For welding see technical bulletin T-HUHUC-W (see page 190 for details).



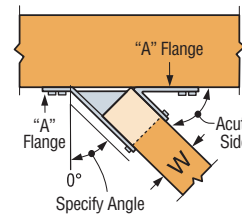
Typical HU Sloped Down, Skewed Right Installation



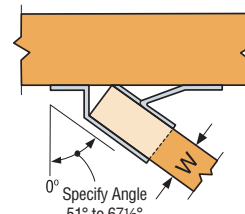
Typical HU Installation Manufactured with Flanges Straight



Typical HUC Installed on a Beam



Top View U Hanger Skewed Right  $< 51^\circ$  (Square Cut)

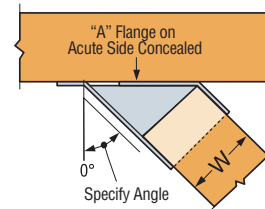


Top View U Hanger Skewed Right  $\geq 51^\circ$  (Square Cut)

### Maximum Skew Degree for Skewed HUC Hangers

Hanger Width	Maximum Skew
2½"	26°
2¾"	26°
2¾"	29°
2¾"	29°
3⅛"	37°
3¼"	38°
3½"	39°
3¾"	42°
4⅛"	42°
4¾"	42°

1. Widths greater than 4¾" maximum skew is 45°.



Top View HUC Concealed Hanger Skewed Right (Square Cut)

## LGU/MGU/HGU/HHGU/LGUM/HGUM

See Hanger Options General Notes.

### CONCEALED FLANGE

LGU, MGU, HGU, HHGU and HGUM hangers are available with one flange concealed.

Order as an "X" version and specify flange to conceal. Example: LGU3.25X, Right flange concealed.

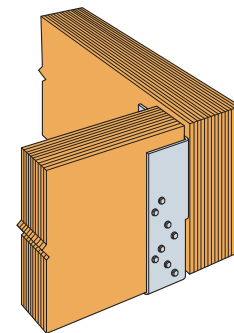
Allowable Loads for One Flange Concealed Option:

- LGU Series = 1.00 of table load
- MGU Series = 0.88 of table load
- HGU Series = 0.75 of table load
- HHGU Series = 0.75 of table load
- **HGUM = contact Simpson Strong-Tie**

Note: MGU3.63, MGU5.25 and HGU5.25 can not be concealed.

### SKEWED

- LGUM and HGUM hangers are available skewed at 45°. Contact Simpson Strong-Tie for allowable loads.
- LGU, MGU, HGU and HHGU are not available in skew options.



Typical GU Installation with Right Flange Concealed