Double-Shear Face-Mount Hangers

See hanger tables on pp. 144–150.

These hangers are designed for applications where higher loads are needed (also see HUC and HUCQ).

All hangers in this series have double-shear nailing. This innovation distributes the load through two points on each joist nail for greater strength. It also allows the use of fewer nails, faster installation and the use of common nails for all connections. (Do not bend or remove tabs.)

Material: HHUS — 14 gauge; HGUS — 12 gauge; HUS 2x and 1¾ sizes — 16 gauge; HUS —14 gauge

Finish: Galvanized. Some products available in stainless steel or ZMAX®. See Corrosion Information, pp. 13–15.

Installation:

- Use all specified fasteners; see General Notes.
- Do not use double-shear hangers with I-joists.
- Nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.
- 0.148" x 3¼" nails may be used where 0.148" x 3" nails are specified with no reduction in load. Where 0.162" x 3½" nails are specified, 0.148" x 3" or 0.148" x 3¼" nails may be used at 0.85 of the table load.
- With 3x carrying members, use 0.162" x 2½" (Simpson Strong-Tie® N16) nails into the header and 0.162" x 3½" nails into the joist with no load reduction. With 2x carrying members, use 0.148" x 1½" nails into the header and 0.148" x 3" nails into the joist, and reduce the load to 0.64 of the table value.

Options:

- HUS cannot be modified
- Other sizes available; contact Simpson Strong-Tie for details

HHUS — Sloped and/or Skewed Seat

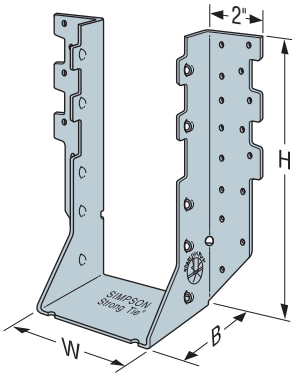
- HHUS hangers can be skewed to a maximum of 45° and/or sloped to a maximum of 45°
- For skew only, maximum allowable download is 0.85 of the table load
- For sloped only or sloped and skewed hangers, the maximum allowable download is 0.65 of the table load
- Uplift loads for sloped/skewed conditions 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

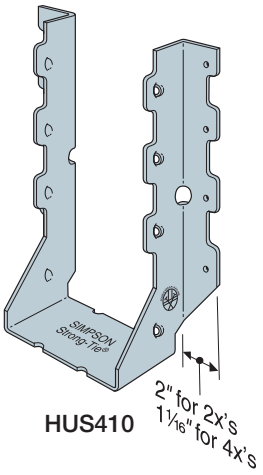
- HGUS hangers can be skewed only to a maximum of 45°. Allowable loads are:

HGUS Seat Width	Joist	Down Load	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
W > 6"	bevel cut	0.85 of table load	0.41 of table load

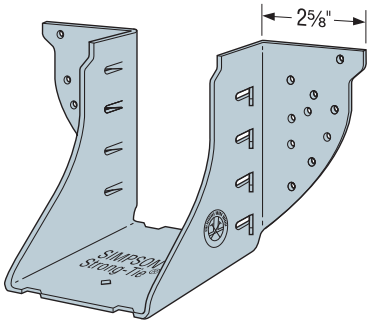
Codes: See p. 12 for Code Reference Key Chart



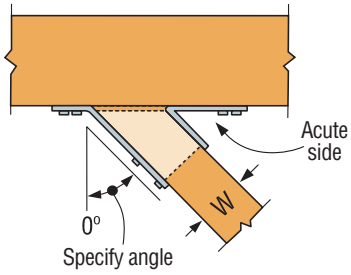
HHUS410



HUS410



HGUS46



Top View HHUS Hanger Skewed Right
(joist must be bevel cut)

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