

FACE MOUNT HANGERS U/HU I-Joist & Structural Composite Lumber Hangers

Engineered Wood & Structural Composite Lumber Connectors

See Hanger tables on pages 78 to 83. See Hanger Options on pages 183 for hanger modifications, which may result in reduced resistances.

U—The standard U hanger provides flexibility of joist to header installation. Versatile fastener selection with tested factored resistances.

HU—Most models have triangle and round holes. To achieve maximum factored resistances, fill both round and triangle holes with common nails. These heavy-duty connectors are designed for schools and other structures requiring additional strength, longevity and safety factors.

MATERIAL: See tables on pages 78 to 83.

FINISH: Galvanized

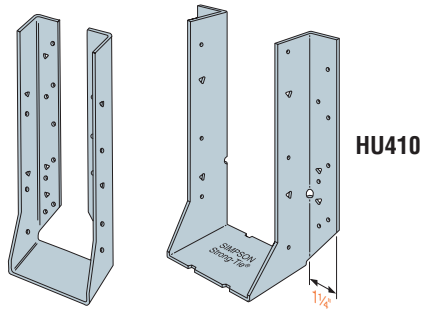
INSTALLATION: • Use all specified fasteners.

See General Notes.

- HU—can be installed filling round holes only, or filling round and triangle holes for maximum values.
- Web Stiffeners are required for all I-joists used with these hangers.

OPTIONS: • HU hangers available with the header flanges turned in for 2⁵/₁₆" and larger widths, with no reduction in resistances—order HUC hanger.

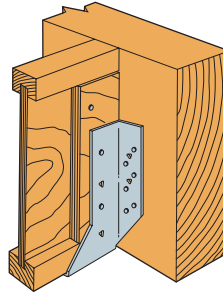
- See Hanger Options on pages 183 for sloped and/or skewed U/HU models, and HUC (*concealed flange*) models.
- See also HUS series.



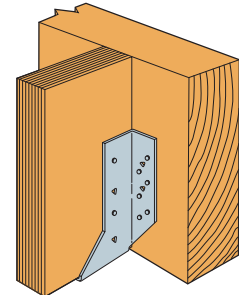
HU410

HUC412
Concealed
Flanges

Typical HU
Installation



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



Typical HU Installation

FACE MOUNT HANGERS HUS/HHUS/HGUS Double Shear SCL Hangers

See Hanger tables on pages 81-83. See Hanger Options on pages 183 for hanger modifications, which may result in reduced resistances.

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

All hangers in this series have double shear nailing. This patented 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: See tables, pages 82-84.

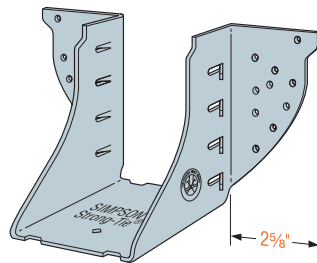
FINISH: Galvanized. Some products available in stainless steel or ZMAX[®]; see Corrosion Information, page 10-11.

INSTALLATION • Use all specified fasteners. See General Notes.

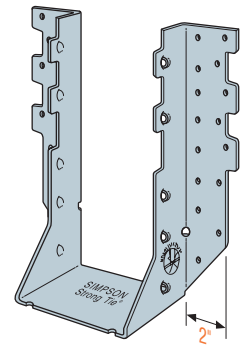
- Do not use double shear hangers with I-joists.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated values.
- Not designed for welded or nailer applications.
- Where 16d commons are specified, 10d commons may be used at 0.82 of the tabulated factored resistance.
- With 3x carrying members, use 16d x 2¹/₂" nails into the header and 16d commons into the joist with no reduction in resistances. With 2x carrying members, use 10d x 1¹/₂" nails into the header and 10d commons into the joist, and reduce the tabulated factored resistance to 0.64 of the table value.

OPTIONS: • HUS hangers available with the header flanges turned in for 4x (3¹/₂" only, with no reduction in resistances. See HUSC Concealed Flange illustration.

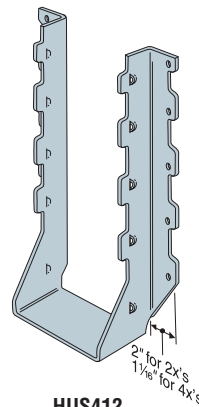
- Concealed flanges are not available for HGUS, HHUS and HUS1.81/10.
- Other sizes available; consult your Simpson Strong-Tie representative.
- See hanger options on page 183.



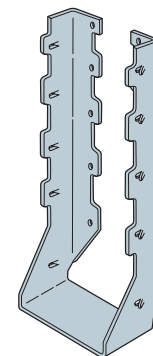
HGUS46



HHUS410



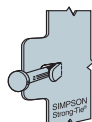
HUS412



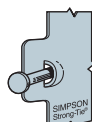
HUSC
Concealed Flanges
(not available for HHUS,
HGUS and HUS1.81/10)



Double Shear Nailing Top View



Double Shear Nailing Side View Do not bend tab back



Dome Double Shear Nailing prevents tabs breaking off (available on some models) U.S. Patent 5,603,580