

LUS/HUS/HHUS/HGUS™

Solid Sawn Joist Hangers



This product is preferable to similar connectors because of (a) easier installation, (b) higher loads, (c) lower installed cost, or a combination of these features.

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 standard nails for all connections. (Do not bend or remove tabs.)

Material: See tables, pp. 108–118

Finish: Galvanized. Some products available in stainless steel or ZMAX® coating.

Installation:

- Use all specified fasteners; see General Notes.
- 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.
- With 3x carrying members: when 0.162" x 3½" nails are specified, use 0.162" x 2½" nails into the header and 0.162" x 3½" nails into the joist with no load reduction. When 0.148" x 3" nails are specified, use 0.148" x 2½" nails into the header and 0.148" x 3" nails into the joist with no load reduction.
- With 2x carrying members: when 0.162" x 3½" nails are specified, 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 values. When 0.148" x 3" nails are specified, use 0.148" x 1½" nails into the header and 0.148" x 3" nails into the joist and reduce the load to 0.77 of the table values. See p. 24 for specific Load Adjustment Factors.

Allowable Loads:

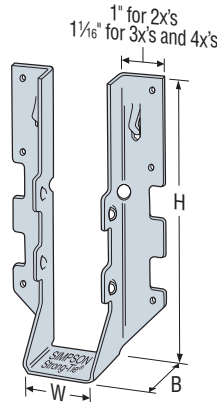
- See table on pp. 108–118 for loads.

Options:

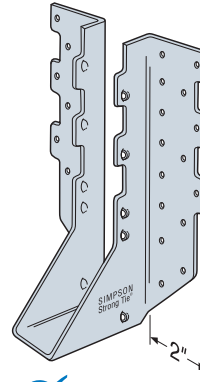
- LUS/HUS hangers cannot be modified.
- See next page for HHUS/HGUS modifications.

Web Applications:

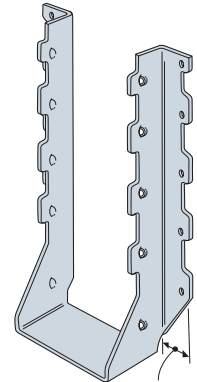
Visit app.strongtie.com/hs to access our Hanger Selector web application.



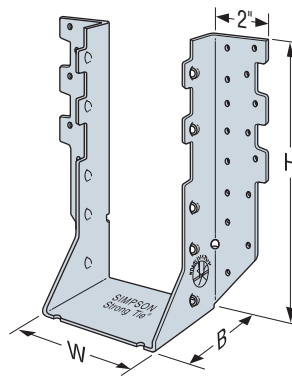
LUS28



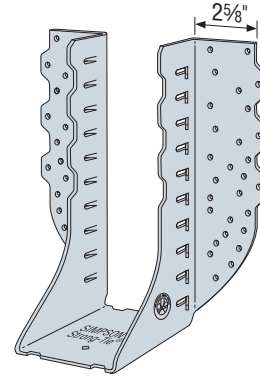
HUS210
(HUS26 and HUS28 similar)



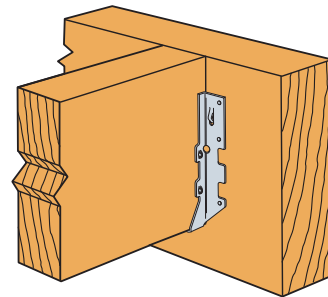
HUS412



HHUS410



HGUS3.25/12



Typical LUS28 Installation
use 0.148" x 3" nail or 0.148" x 3¼" nail

Double-Shear Nailing

<p>Double-Shear Nailing Top View</p>	<p>Double-Shear Nailing Side View — Do not bend tab</p>	<p>Dome Double-Shear Nailing Side View (Available on some models)</p>
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LUS/HUS/HHUS/HGUS™

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

HHUS/HGUS

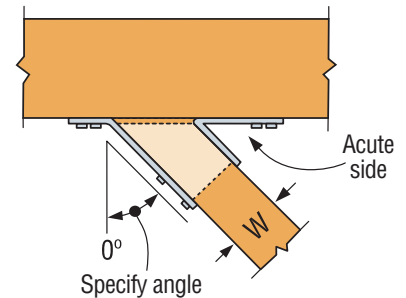
HHUS — Sloped and/or Skewed Seat

- 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 to a maximum of 45°. Allowable load adjustment factors are:

HGUS Seat Width	Carried Member End Condition			
	Square Cut		Bevel Cut	
	Uplift	Download	Uplift	Download
W < 2"	0.46	0.62	0.46	0.72
2" < W < 6"	0.41	0.46	0.41	0.85
6" < W < 6¾"		0.40		
6¾" < W < 7¼"	Not allowed	Not allowed		



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. 156–162 for structural composite lumber hangers.

Features:

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



Material: 14 gauge

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

Installation:

- Use all specified fasteners; see General Notes.
- Install ¼" x 2½" 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 listed in hanger tables on pp. 109–112 and 114–117 apply when installed with minimum (6) 1" welds. See technical bulletin T-C-HUHUC-W at strongtie.com for weld information.

Allowable Loads:

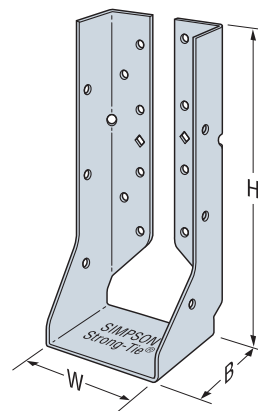
- See tables on pp. 109–112 and 114–117 for loads.

Options:

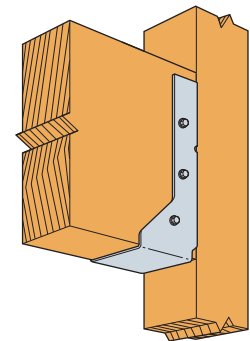
- These hangers cannot be modified.

Codes: See p. 13 for Code Reference Key Chart

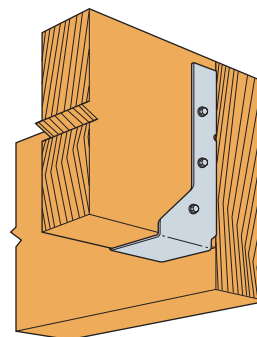
Web Applications: Visit app.strongtie.com/hs to access our Hanger Selector web application.



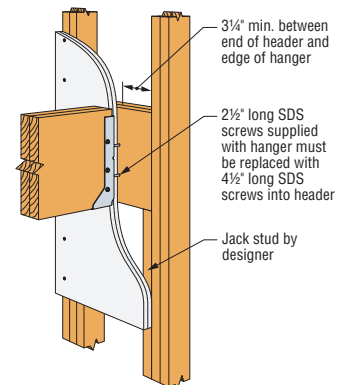
HUCQ410-SDS



Typical HUCQ Installation on a Post



Typical HUCQ Installation on a Beam



HUCQ Over Two Layers of 5/8" Drywall
See engineering letter L-C-FACEMNTFW at strongtie.com for more information.

HUS/HHUS/HGUS™

Double-Shear Face-Mount Hangers



This product is preferable to similar connectors because of (a) easier installation, (b) higher loads, (c) lower installed cost, or a combination of these features.

See hanger tables on pp. 156–162

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 1¼ sizes — 16 gauge; HUS — 14 gauge

Finish: Galvanized. Some products available in stainless steel or ZMAX® coating.

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.
- See p. 24 for alternate fastener sizes and load adjustments.

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

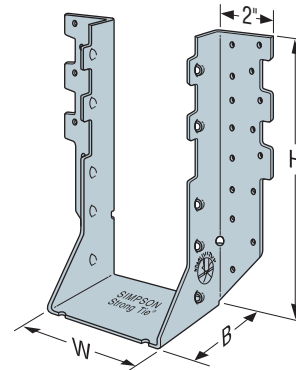
HGUS — Skewed Seat

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

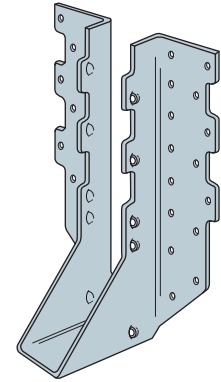
HGUS Seat Width	Carried Member End Condition			
	Square Cut		Bevel Cut	
	Uplift	Download	Uplift	Download
W < 2"	0.46	0.62	0.46	0.72
2" < W < 6"	0.41	0.46	0.41	0.85
6" < W < 6.75"		0.40		
6.75" < W < 7.25"	Not allowed	Not allowed		

Codes: See p. 13 for Code Reference Key Chart

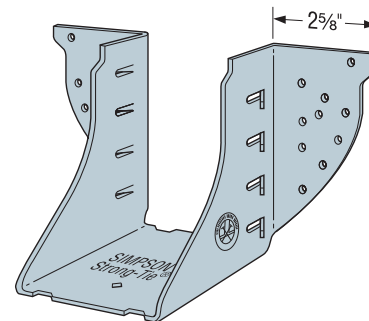
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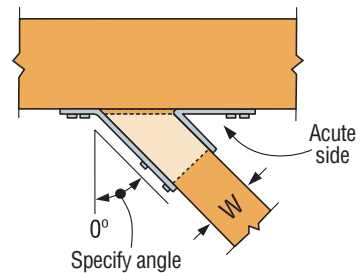
✓ HHUS410



✓ HUS1.81/10



✓ HGUS46



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