

LUS/MUS/HUS/HHUS/HGUS DOUBLE SHEAR JOIST HANGERS



SIMPSON
Strong-Tie

✓ 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.

MUS completes the Simpson Strong-Tie line of face mount truss connectors. The MUS has increased load capacity and bearing compared to LUS connectors for medium load truss applications.

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 on page 108 and 109.

FINISH: Galvanized. Some products available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION: • Use all specified fasteners. See General Notes.

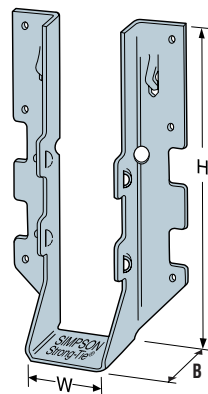
- Nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.
- 16d sinkers (9 gauge x 3 1/4") may be used where 10d commons are specified with no reduction in load. Where 16d commons are specified, 10d commons or 16d sinkers (9 gauge x 3 1/4") may be used at 0.85 of the table load.
- With 3x carrying members, use 16d x 2 1/2" nails into the header and 16d commons into the joist with no load reduction. With single 2x carrying members, use 10d x 1 1/2" nails into the header and 10d commons into the joist, and reduce the load to 0.64 of the table value.

OPTIONS: • LUS and MUS hangers cannot be modified.

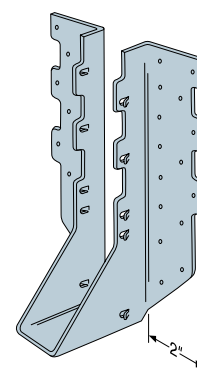
- HUS hangers available with the header flanges turned in for 2-2x (3 1/8") and 4x only, with no load reduction. See HUSC Concealed Flange illustration.
- Concealed flanges are not available for HGUS and HHUS.
- See Hanger Options, page 164, for sloped and/or skewed HHUS models.
- Other sizes available; consult your Simpson representative.

CODES: See page 10 for Code Listing Key Chart.

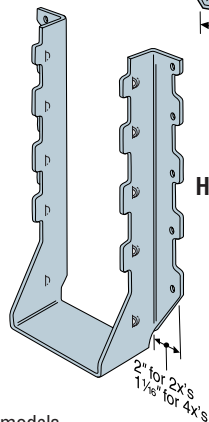
LUS28



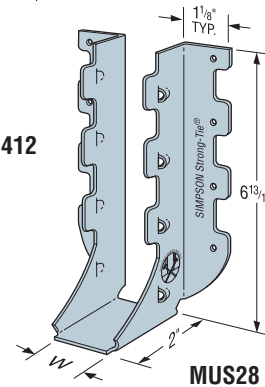
HUS210
(HUS26,
HUS28,
and HHUS
similar)



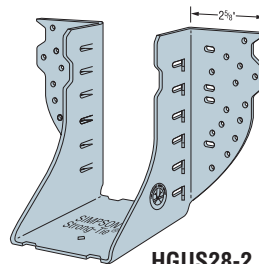
HUS412



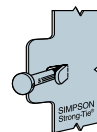
HUSC
Concealed
Flanges
(not available
for HHUS,
HGUS and
HUS2x)



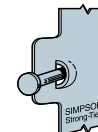
MUS28



HGUS28-2



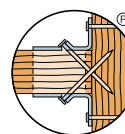
Double
Shear
Nailing
Side View



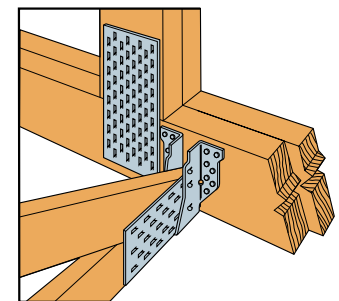
Dome Double Shear
Nailing prevents tabs
breaking off (available
on some models)
U.S. Patent 5,603,580

Available with additional corrosion protection. Check with factory.

1. See table on page 109 for allowable loads.



Double
Shear
Nailing
Top View



Model No.	Min. Heel Height	Ga	Dimensions			Fasteners	
			W	H	B	Carrying Member	Carried Member
SINGLE 2x SIZES							
LUS24	2 5/8	18	1 1/8	3 3/8	1 3/4	4-10d	2-10d
LUS26	4 1/4		1 1/8	4 3/4	1 3/4	4-10d	4-10d
MUS26	4 1 1/16	18	1 1/8	5 5/8	2	6-10d	6-10d
HUS26	4 5/8	16	1 5/8	5 3/8	3	14-16d	6-16d
HGUS26	4 5/8	12	1 5/8	5 3/8	5	20-16d	8-16d
LUS28	4 5/8	18	1 1/8	6 3/8	1 3/4	6-10d	4-10d
MUS28	6 5/8	18	1 1/8	6 13/16	2	8-10d	8-10d
HUS28	6 1/2	16	1 5/8	7	3	22-16d	8-16d
HGUS28	6 5/8	12	1 5/8	7 1/8	5	36-16d	12-16d
LUS210	4 1/4	18	1 1/8	7 13/16	1 3/4	8-10d	4-10d
HUS210	8 3/8	16	1 5/8	9	3	30-16d	10-16d

REDUCED HEEL HEIGHT ALLOWABLE LOADS - DFL (See Illustration at Right)

Model No.	Reduced Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2x6 Carrying Member				2x8 Carrying Member					
					(133)	(160)	Floor (100)	Snow (115)	Roof (125)	Wind (133)	(160)	Floor (100)	Snow (115)	Roof (125)	Wind (133)	(160)
					LUS26	3 1/2	1	3-10d	4-10d	730	875	700	805	875	905	905
		2	3-10d	4-10d	730	875	775	890	970	1030	1235	775	890	970	1030	1235
MUS26	3 1/2	1	4-10d	6-10d	725	725	1000	1150	1250	1330	1390	1000	1150	1250	1330	1390
		2	4-10d	6-10d	725	725	1110	1280	1390	1420	1420	1110	1280	1390	1420	1420
HUS26	3 1/2	1	4-10d	14-10d	985	1035	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360
		2	4-16d	14-16d	1035	1035	1760	1760	1760	1760	1760	1500	1725	1760	1760	1760
		1	4-10d	14-10d	985	1035	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950
		2	4-16d	14-16d	1035	1035	2425	2695	2695	2695	2695	2425	2695	2695	2695	2695
HGUS26	3 3/8	2	6-10d	20-10d	1535	1745	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350
		1	6-16d	20-16d	1745	1745	2830	2830	2830	2830	2830	2860	2830	2830	2830	2830
LUS28	3 1/2	1	3-10d	6-10d	730	875	700	805	875	905	905	900	1035	1110	1110	1110
		2	3-10d	6-10d	730	875	775	890	970	1030	1235	1010	1160	1260	1340	1480
MUS28	3 1/2	1	4-10d	8-10d	775	775	1000	1150	1250	1330	1390	1200	1300	1300	1300	1300
		2	4-10d	8-10d	775	775	1110	1280	1390	1420	1420	1345	1550	1685	1690	1690
HUS28	3 1/2	1	4-10d	22-10d	985	1000	1360	1360	1360	1360	1360	1710	1710	1710	1710	1710
		2	4-16d	22-16d	1000	1000	1760	1760	1760	1760	1760	2630	2630	2630	2630	
		1	4-10d	22-10d	985	1000	1950	1950	1950	1950	1950	2475	2475	2475	2475	
		2	4-16d	22-16d	1000	1000	2425	2695	2695	2695	2695	3215	3275	3315	3350	3455
HGUS28	3 3/8	2	6-10d	36-10d	1535	1610	2350	2350	2350	2350	2350	3105	3105	3105	3105	3105
		1	6-16d	36-16d	1610	1610	2830	2830	2830	2830	2830	3740	3740	3740	3740	3740

Typical HUS26 with Reduced Heel Height

(Truss Designer to provide fastener quantity for connecting multiple members together)

1. Allowable loads shown consider ANSI/TPI 1-2002 member design criteria.
2. For allowable loads on 2x10 girder bottom chords, multiple ply hangers and on SPF/HF header wood species, see Technical Bulletin T-REDHEEL.
3. HGUS, HHUS and HGUS hangers installed with the joist fastener quantities shown above are recommended for installation on minimum 2-ply 2x girder bottom chords. See T-REDHEEL for HHUS and HGUS allowable loads.
4. Allowable loads are based on the lowest joist fastener holes filled. For the LUS, fill the two lowest joist fastener holes on the right side of the hanger and the single lowest joist fastener hole on the left side of the hanger.
5. Wind (133) and (160) is a download rating.