

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



See Hanger tables on page 103. See Hanger Options on page 147 for hanger modifications, which may result in reduced loads.

**NEW! MUS completes the Simpson Strong-Tie line of face mount truss to truss connectors. The MUS has increased load capacity and bearing compared to LUS connectors for medium load truss applications. Double shear nailing provides greater strength with lower installed cost.**

These hangers have the highest loads of any face mount hangers!

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 103.

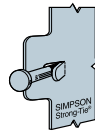
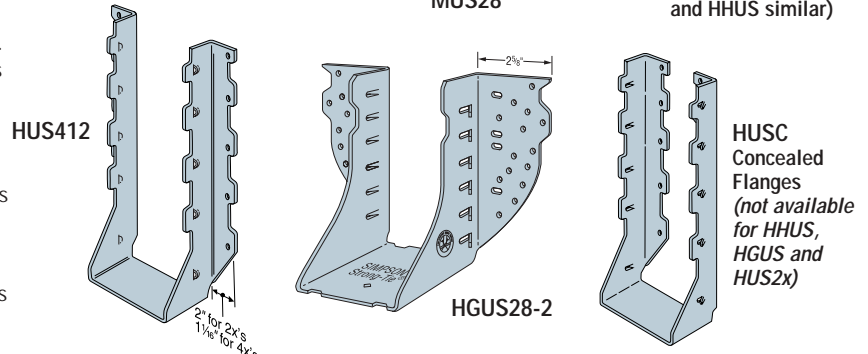
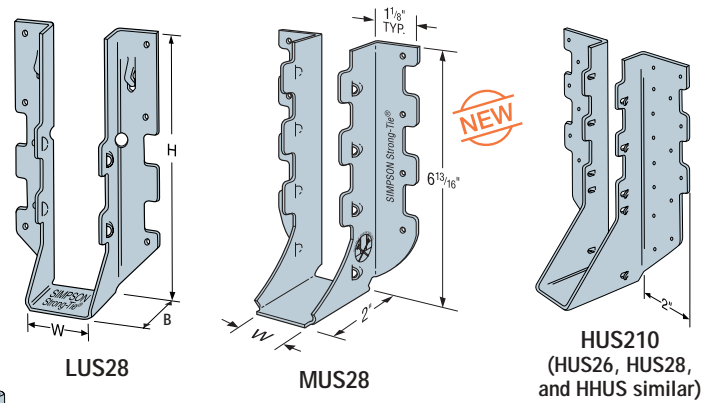
**FINISH:** Galvanized. Some products available in stainless steel or Z-MAX; see Corrosion-Resistance, page 7.

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

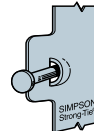
- Nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.
- 16d sinkers (9 gauge x 3/4") may be used where 10d commons are specified with no reduction in load. Where 16d commons are specified, 10d commons or 16d sinkers (9 gauge x 3/4") may be used at 0.84 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 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.

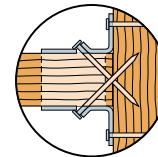
- HUS hangers available with the header flanges turned in for 2-2x (3 1/8") and 4x only, with no load reduction. See HUSC Concealed Flange illustration.
- Concealed flanges are not available for HGUS and HHUS.
- See Hanger Options, page 147, for sloped and/or skewed HHUS models.
- Other sizes available; consult your Simpson representative.



Double Shear Nailing Side View



Dome Double Shear Nailing prevents tabs breaking off (available on some models)



Double Shear Nailing Top View  
U.S. Patent 4,480,941

U.S. Patent 5,603,580

## HGUQ MULTI-PLY GIRDER TRUSS HANGERS

HGUQ hangers are designed for connections to multi-ply girder trusses. Installation using Simpson's SDS wood screws will provide an improved distribution of load between all plies of the supporting girder truss. Using SDS screws results in a faster and easier installation compared to nails.

**MATERIAL:** 12 gauge. **FINISH:** Galvanized

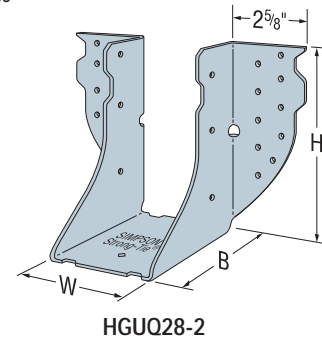
**INSTALLATION:** • Use all specified fasteners. See General Notes.

- SDS screws supplied.
- Not designed for welded or nailer applications.

**OPTIONS:** These hangers cannot be modified.

**CODES:** See page 8 for Code Listing Key Chart.

See page 103 for an example of product installation on a truss.



Model No.	Ga	Dimensions			Quantity Fasteners 1/4" SDS		Avg U/LT	Doug Fir-Larch/Southern Pine Allowable Loads					Spruce-Pine-Fir Allowable Loads					Code Ref.
		W	H	B	Carrying Member	Carried Member		Uplift <sup>1</sup> (133)	Uplift <sup>1</sup> (160)	Floor (100)	Snow (115)	Roof (125)	Uplift <sup>1</sup> (133)	Uplift <sup>1</sup> (160)	Floor (100)	Snow (115)	Roof (125)	
<b>DOUBLE 2x SIZES</b>																		
HGUQ26-2-SDS3	12	3 7/16	5	4	(12) 1/4x3	(4) 1/4x3	17415	1635	1635	3695	4250	4620	1415	1635	3180	3655	3975	
HGUQ28-2-SDS3	12	3 7/16	7	4	(20) 1/4x3	(6) 1/4x3	23675	2465	2565	6160	7085	7330	2120	2545	5300	6095	6625	
HGUQ210-2-SDS3	12	3 7/16	9	4	(28) 1/4x3	(8) 1/4x3	22775	3285	3440	7415	7415	7415	2825	3390	7220	7415	7415	
<b>TRIPLE 2x SIZES</b>																		
HGUQ26-3-SDS4.5	12	5 1/8	5 1/8	4	(12) 1/4x4 1/2	(4) 1/4x4 1/2	17415	1635	1635	3695	4250	4620	1415	1635	3180	3655	3975	
HGUQ28-3-SDS4.5	12	5 1/8	7 1/8	4	(20) 1/4x4 1/2	(6) 1/4x4 1/2	30085	2465	2565	6160	7085	7700	2120	2545	5300	6095	6625	
HGUQ210-3-SDS4.5	12	5 1/8	9 1/8	4	(28) 1/4x4 1/2	(8) 1/4x4 1/2	31480	3285	3440	8625	9745	9745	2825	3390	7420	8535	9275	
<b>QUADRUPLE 2x SIZES</b>																		
HGUQ26-4-SDS6	12	6 1 1/16	5 5/16	4	(12) 1/4x6	(4) 1/4x6	16880	1645	1970	3695	4250	4620	1415	1695	3180	3655	3975	
HGUQ28-4-SDS6	12	6 1 1/16	7 5/16	4	(20) 1/4x6	(6) 1/4x6	28230	2465	2955	6160	7085	7700	2120	2545	5300	6095	6625	
HGUQ210-4-SDS6	12	6 1 1/16	9 5/16	4	(28) 1/4x6	(8) 1/4x6	31110	3285	3940	8625	9920	10260	2825	3390	7420	8535	9275	
<b>4x SIZES</b>																		
HGUQ46-SDS3	12	3 5/8	4 7/8	4	(12) 1/4x3	(4) 1/4x3	17415	1635	1635	3695	4250	4620	1415	1635	3180	3655	3975	
HGUQ48-SDS3	12	3 5/8	6 7/8	4	(20) 1/4x3	(6) 1/4x3	23675	2465	2565	6160	7085	7330	2120	2545	5300	6095	6625	
HGUQ410-SDS3	12	3 5/8	8 7/8	4	(28) 1/4x3	(8) 1/4x3	22775	3285	3440	7415	7415	7415	2825	3390	7415	7415	7415	

1. Uplift loads have been increased 33% and 60% for earthquake or wind loading with no further increase allowed. Divide by 1.33 and 1.60 for normal loading as in cantilever construction.