

LUS/HUS Double Shear 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.

See Hanger tables on pages 62 to 68. See Hanger Options on pages 181-183 for hanger modifications, which may result in reduced loads.

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, pages 62 to 68.

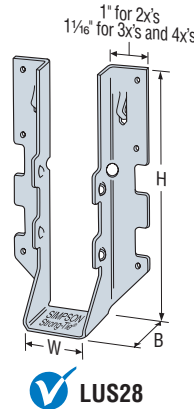
FINISH: Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, page 10-11.

INSTALLATION • Use all specified fasteners. See General Notes.

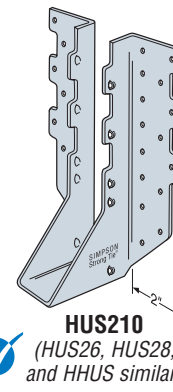
- Nails must be driven at an angle through the joist or truss into the header to achieve the table loads.
- Not designed for welded or nailer applications.
- 16d sinkers (0.148" dia. x 3¼" long) may be used where 10d commons are specified with no reduction in load. Where 16d commons are specified, 10d commons or 16d sinkers (0.148" dia. x 3¼" long) may be used at 0.85 of the table load.
- With 3x carrying members, use 16d x 2½" nails into the header and 16d commons into the joist with no load reduction.
- With 2x carrying members, use 10d x 1½" nails into the header and 10d commons into the joist, reduce the load to 0.64 of the table value.
- Use stainless-steel (SS) nails with stainless-steel (SS) hangers.

OPTIONS: • LUS hangers cannot be modified.

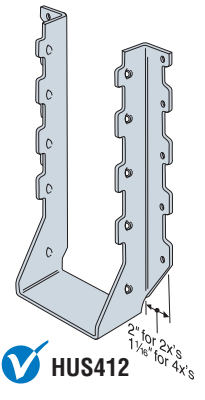
- HUS hangers available with the header flanges turned in for 2-2x (3/8") and 4x only, with no load reduction. See the HUSC Concealed Flange illustration.
- See Hanger Options, pages 181-183.



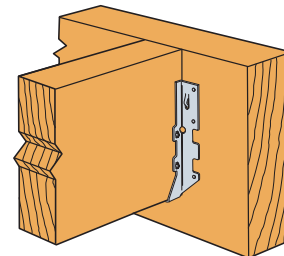
LUS28



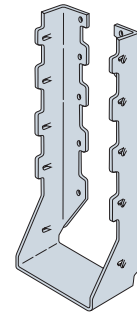
HUS210
(HUS26, HUS28, and HHUS similar)



HUS412



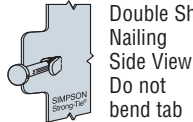
Typical LUS28 Installation
use .148x3" (10d common) or .148x3¼" (16d sinker) nail



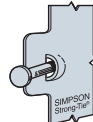
HUSC Concealed Flanges
(not available for HHUS, HGUS and HUS2x)



Double Shear Nailing Top View



Double Shear Nailing Side View
Do not bend tab



Dome Double Shear Nailing Side View
(available on some models)
U.S. Patent 5,603,580

Solid Sawn Lumber Connectors

LOAD TABLE EXPLANATION

Joist Size: This shows the size of joist member.

Model No.: This is the Simpson product name.

Gauge: Product material

Min/Max: Refers to min. or max. nailing for products with round and triangle holes. Min. nailing uses round holes, and max. nailing uses round and triangle holes to achieve maximum load.

Nails: This shows the fastener quantity and type required to achieve the table loads.

Load Duration: Assumed duration factor used to determine the allowable load.

Allowable Design Loads: The maximum load that a connection is designed to provide. There may be multiple design loads acting in different directions (up, down, lateral, perpendicular, etc.) imposed on a connection.

Code Ref.: See page 12 for the Code Reference Key Chart, to determine which code reports include this product.

Uplift **Floor, Snow, Roof**

Installed Cost Index: This indicates the products relative installed cost (combined cost and installation cost).

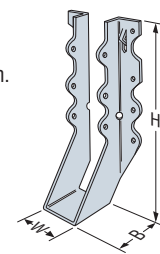
Joist Size	Model No.	Ga	Dimensions			Min/Max	Fasteners			DF/SP Allowable Loads						Installed Cost Index (ICI)	Code Ref.	
			W	H	B		Header		Joist	Uplift (160)	Floor (100)		Snow (115)		Roof (125)			
							10d	16d			10d	16d	10d	16d	10d			16d
DBL 2x6	LUS26-2	18	3 3/8	4 7/8	2	—	—	4-16d	4-16d	1165	—	1000	—	1150	—	1250	Lowest	17, L1, F6
	U26-2	16	3 1/8	5	2	—	8-10d	8-16d	4-10d	710	890	1065	1020	1225	1110	1330	+65%	17, F6
	HUS26-2	14	3 1/8	5 1/16	2	—	—	4-16d	4-16d	1235	—	1005	—	1155	—	1255	+172%	17, L1, F6
	HU26-2/HUC26-2	14	3 1/8	5 3/8	2 1/2	Min	—	8-16d	4-10d	725	—	1070	—	1235	—	1340	+233%	17, F6
HU26-2/HUC26-2	14	3 1/8	5 3/8	2 1/2	Max	—	12-16d	6-10d	1085	—	1610	—	1850	—	2010	+254%		

This icon identifies products that are available with additional corrosion protection. See pages 10-11 for additional information.

Dimensions W, H, B: This shows the product dimensions (width, height and base in this case.) referenced in the product drawing.

NAILS: 16d = 0.162" dia. x 3 1/2" long, 10d x 1 1/2" = 0.148" dia. x 1 1/2" long. See page 16-17 for other nail sizes and information.

Throughout this catalog a footnote will typically be provided indicating the required nail diameter and length. All installations should be designed only in accordance with the allowable load values set forth in this catalog.



Product Drawing: Provides a graphic presentation of the product with dimensional information (often cross referenced to the table).

CATALOG DEFINITION:

Deflection: The distance a point moves when a load is applied.