

**FACE MOUNT HANGERS 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 55 to 60. See Hanger Options on page 183 for hanger modifications, which may result in reduced resistances.

These hangers have the highest factored resistances 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 standard nails for all connections. (Do not bend or remove tabs.)

**MATERIAL:** See tables, pages 55 to 60.

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

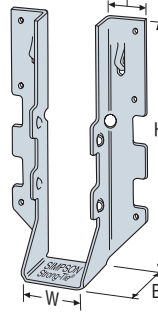
**INSTALLATION:** • Use all specified fasteners. See General Notes.

- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances.
- Not designed for welded or nailer applications.
- Where 16d commons are specified, 10d commons may be used at 0.82 of the tabulated resistance.
- With 3x carrying members, use 16d x 2½" nails into the header and 16d commons into the joist with no reduction in resistances. With 2x carrying members, use 10dx1½" nails into the header and 10d commons into the joist, reduce the resistance to 0.64 of the table value.

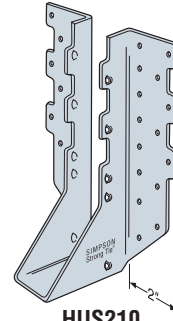
**OPTIONS:** • LUS hangers cannot be modified.

- HUS hangers available with the header flanges turned in for 2-2x (3½") and 4x only, with no reduction in resistances. See the HUSC Concealed Flange illustration.
- See Hanger Options, page 183.

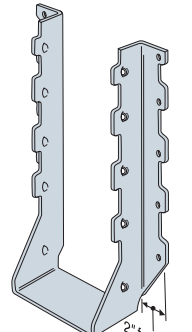
1" for 2x's  
1½" for 3x's and 4x's



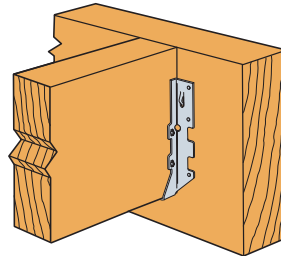
**LUS28**



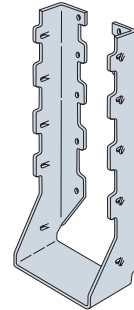
**HUS210**  
(HUS26, HUS28, and HHUS similar)



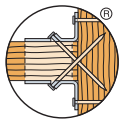
**HUS412**  
2" for 2x's  
1½" for 4x's



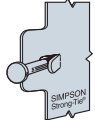
**Typical LUS28 Installation**  
Standard LUS28 Installation  
use .148x3" (10d common)



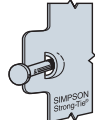
**HUSC Concealed Flanges**  
(not available for HHUS, HGUS and HUS2x)



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

**HUCQ Heavy Duty Joist Hangers**

The HUCQ series are heavy duty joist hangers that incorporate Simpson Strong-Tie® SDS wood 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.

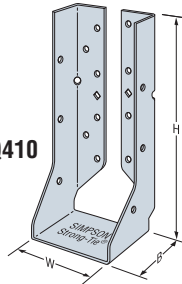
**MATERIAL:** 14 gauge **FINISH:** Galvanized

**INSTALLATION:** • Use all specified fasteners.

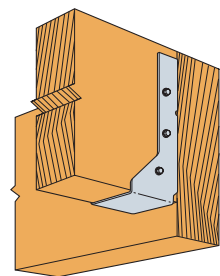
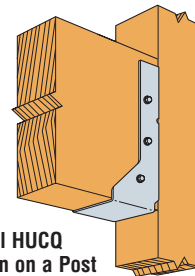
See General Notes.

- SDS screws supplied.
- For use on solid sawn or engineered wood products.

**HUCQ410**

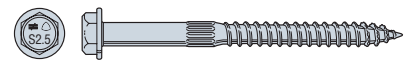


**Typical HUCQ Installation on a Post**



**Typical HUCQ Installation on a Beam**

Model No.	Dimensions (in)			Fasteners		Factored Resistance			
	W	H	B	Face	Joist	D.Fir-L		S-P-F	
						Uplift	Normal	Uplift	Normal
						(K <sub>D</sub> =1.15)	(K <sub>D</sub> =1.00)	(K <sub>D</sub> =1.15)	(K <sub>D</sub> =1.00)
lbs	lbs	lbs	lbs						
kN	kN	kN	kN						
HUCQ310-SDS	2¾	9	3	8-SDS ¼"x2½"	4-SDS ¼"x2½"	1680	4670	1470	3245
HUCQ210-2-SDS	3¼	9	3	12-SDS ¼"x2½"	6-SDS ¼"x2½"	2520	7010	2210	6145
HUCQ410-SDS	3¾	9	3	12-SDS ¼"x2½"	6-SDS ¼"x2½"	2520	7010	2210	6145
HUCQ412-SDS	3¾	11	3	14-SDS ¼"x2½"	6-SDS ¼"x2½"	2520	8175	2210	7170
HUCQ210-3-SDS	4¾	9	3	12-SDS ¼"x2½"	6-SDS ¼"x2½"	2520	7010	2210	6145
HUCQ610-SDS	5½	9	3	12-SDS ¼"x2½"	6-SDS ¼"x2½"	2520	7010	2210	6145
HUCQ612-SDS	5½	11	3	14-SDS ¼"x2½"	6-SDS ¼"x2½"	2520	8175	2210	7170



**SDS ¼"x2½"**  
(See page 15 for more information)

1. Factored uplift resistances have been increased 15% for earthquake or wind loading with no further increase allowed. Reduce by 15% for standard term loading such as cantilever construction.
2. When using structural composite lumber columns, screws must be applied to the wide face of the column.