

**LUS/MUS/HUS/HHUS/HGUS/HUSC** 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.

All hangers in this series have double shear nailing – an innovation that distributes the load through two points on each joist nail for greater strength. This allows for fewer nails, faster installation, and the use of all common nails for the same connection.

Double shear hangers range from the light capacity LUS hangers to the highest capacity HGUS hangers. For medium load truss applications, the MUS offers a lower cost alternative and easier installation than the HUS or THA hangers, while providing greater load capacity and bearing than the LUS.

**MATERIAL:** See tables below and on page 133.

**FINISH:** Galvanized. Some products available in stainless steel or ZMAX® coating; see Corrosion Information, page 18-19.

**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.

**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, pages 200-202, for sloped and/or skewed HHUS models.

- Other sizes available; consult your Simpson Strong-Tie representative.

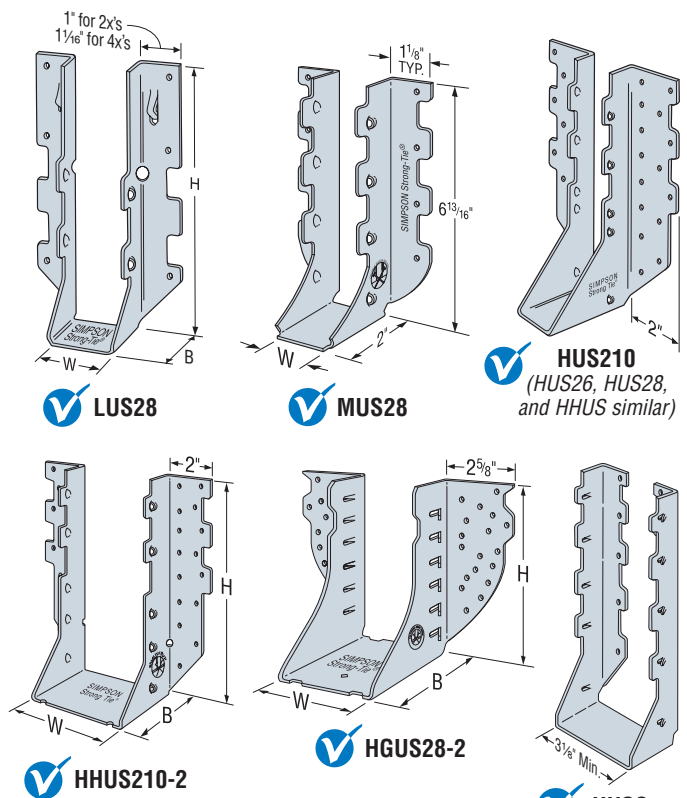
**CODES:** See page 20 for Code Reference Key Chart.

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

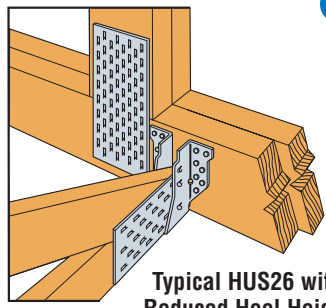
These products are approved for installation with the Strong-Drive SD Structural Connector screw. See page 30 for the correct substitution and SD screw size.

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

1. See table on page 133 for allowable loads.

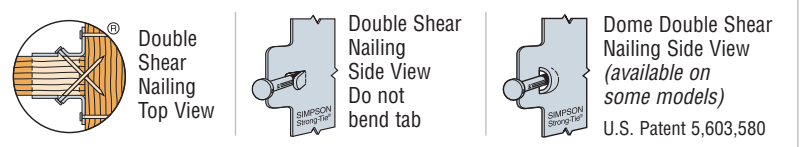


HHUS210-2



Typical HUS26 with Reduced Heel Height

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



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

Model No.	DF Allowable Loads					SP Allowable Loads					SPF/HF Allowable Loads					Code Ref.
	Uplift' (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Uplift' (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Uplift' (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	
<b>SINGLE 2x SIZES</b>																
LUS24	490	670	765	825	1045	490	725	830	895	1135	420	575	655	705	895	I7, F6, L17
LUS26	1165	865	990	1070	1355	1165	940	1075	1165	1475	1005	740	845	915	1160	
MUS26	1090	1295	1480	1605	1825	1090	1410	1610	1745	1825	940	1110	1265	1370	1570	
HUS26	1550	2720	3095	3335	3335	1550	2950	3335	3335	3335	1335	2330	2650	2820	2865	
HGUS26	1765	4360	4885	5230	5390	1765	4725	5290	5390	5390	1520	3750	4200	4500	4635	I7, L17
LUS28	1165	1100	1255	1360	1725	1165	1200	1365	1480	1835	1005	940	1075	1165	1475	I7, F6, L17
MUS28	1555	1730	1975	2140	2645	1555	1880	2150	2330	2645	1335	1475	1690	1830	2275	
HUS28	2000	3965	4120	4220	4335	2000	3790	3960	4070	4335	1720	2905	3035	3125	3435	
HGUS28	3015	6745	6970	7125	7275	3015	6460	6705	6870	7275	2595	4960	5160	5290	5745	
LUS210	1165	1340	1525	1650	2090	1165	1445	1660	1795	2270	1005	1145	1305	1415	1745	I7, F6, L17
HUS210	3000	4255	4445	4575	5020	3000	4105	4310	4450	4930	2580	3150	3315	3425	3815	

Note: For dimensions and fastener information, see table above. See table footnotes on page 133.

## FACE MOUNT HANGERS

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

These products are approved for installation with the Strong-Drive SD Structural Connector screw. See page 30 for the correct substitution and SD screw size.

Model No.	Min. Heel Height	Ga	Dimensions			Fasteners		DF/SP Allowable Loads					SPF/HF Allowable Loads					Code Ref.
			W	H	B	Carrying Member	Carried Member	Uplift <sup>1</sup> (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Uplift <sup>1</sup> (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)	
<b>DOUBLE 2x SIZES</b>																		
LUS24-2	2¼	18	3¾	3¾	2	4-16d	2-16d	440	800	910	985	1250	380	680	780	845	1070	I7, F6, L17
LUS26-2	4¾	18	3¾	4¾	2	4-16d	4-16d	1165	1030	1180	1280	1625	1000	880	1010	1090	1385	
HHUS26-2	4¾	14	3¾	5¾	3	14-16d	6-16d	1550	2785	3155	3405	4265	1335	2390	2710	2925	3665	I7, L17
HGUS26-2	4¾	12	3¾	5¾	4	20-16d	8-16d	2155	4355	4875	5230	5575	1855	3750	4200	4500	4795	
LUS28-2	4¾	18	3¾	7	2	6-16d	4-16d	1165	1315	1500	1625	2060	1000	1125	1285	1390	1765	I7, F6, L17
HHUS28-2	6¾	14	3¾	7¼	3	22-16d	8-16d	2000	4210	4770	5140	6440	1720	3615	4095	4415	5375	
HGUS28-2	6¾	12	3¾	7¾	4	36-16d	12-16d	3235	7460	7460	7460	7460	2785	6415	6415	6415	6415	I7, L17
LUS210-2	6¾	18	3¾	9	2	8-16d	6-16d	1745	1830	2090	2265	2870	1500	1565	1785	1935	2455	I7, F6, L17
HHUS210-2	8¾	14	3¾	8¾	3	30-16d	10-16d	4000	5635	6380	6880	7165	3525	4835	5270	5380	5765	
HGUS210-2	8¾	12	3¾	9¾	4	46-16d	16-16d	4095	9100	9100	9100	9100	3525	7465	7730	7825	7825	I7, L17
<b>TRIPLE 2x SIZES</b>																		
HGUS26-3	4¾	12	4¾	5¾	4	20-16d	8-16d	2155	4355	4875	5230	5575	1855	3750	4200	4500	4795	I7, L17
HGUS28-3	6¾	12	4¾	7¼	4	36-16d	12-16d	3235	7460	7460	7460	7460	2785	6415	6415	6415	6415	
HGUS210-3	8¾	12	4¾	9¼	4	46-16d	16-16d	4095	9100	9100	9100	9100	3525	7825	7825	7825	7825	
HGUS212-3	10¾	12	4¾	10¾	4	56-16d	20-16d	5045	9600	9600	9600	9600	4335	8255	8255	8255	8255	
HGUS214-3	12¾	12	4¾	12¾	4	66-16d	22-16d	5515	10100	10100	10100	10100	4745	8685	8685	8685	8685	
<b>QUADRUPLE 2x SIZES</b>																		
HGUS26-4	5½	12	6¾	5¾	4	20-16d	8-16d	2155	4355	4875	5230	5575	1855	3750	4200	4500	4795	I7, L17
HGUS28-4	7¼	12	6¾	7¾	4	36-16d	12-16d	3235	7460	7460	7460	7460	2785	6415	6415	6415	6415	
HGUS210-4	9¼	12	6¾	9¾	4	46-16d	16-16d	4095	9100	9100	9100	9100	3525	7825	7825	7825	7825	I7, F6, L17
HGUS212-4	10¾	12	6¾	10¾	4	56-16d	20-16d	5045	9600	9600	9600	9600	4335	8255	8255	8255	8255	I7, L17
HGUS214-4	12¾	12	6¾	12¾	4	66-16d	22-16d	5515	10100	10100	10100	10100	4745	8685	8685	8685	8685	
<b>4x SIZES</b>																		
LUS46	4¾	18	3¾	4¾	2	4-16d	4-16d	1165	1030	1180	1280	1625	1000	880	1010	1090	1385	I7, F6, L17
HGUS46	4¾	12	3¾	4¾	4	20-16d	8-16d	2155	4355	4875	5230	5575	1855	3750	4200	4500	4795	I7, L17
HHUS46	4¾	14	3¾	5¾	3	14-16d	6-16d	1550	2790	3160	3410	4265	1335	2390	2710	2925	3665	I7, F6, L17
LUS48	4¾	18	3¾	6¾	2	6-16d	4-16d	1165	1315	1500	1625	2060	1000	1125	1285	1390	1765	
HUS48	6¾	14	3¾	7	2	6-16d	6-16d	1550	1595	1815	1960	2470	1550	1365	1555	1680	2115	I7, F6, L17
HHUS48	6¾	14	3¾	7¾	3	22-16d	8-16d	2000	4215	4770	5150	6440	1720	3615	4095	4415	5535	
HGUS48	6¾	12	3¾	7¾	4	36-16d	12-16d	3235	7460	7460	7460	7460	2785	6415	6415	6415	6415	I7, L17
LUS410	6¾	18	3¾	8¾	2	8-16d	6-16d	1745	1830	2090	2265	2870	1500	1565	1785	1935	2455	I7, F6, L17
HHUS410	8¾	14	3¾	9	3	30-16d	10-16d	3745	5640	6385	6890	7165	3440	4835	5480	5910	6165	
HGUS410	8¾	12	3¾	9	4	46-16d	16-16d	4095	9100	9100	9100	9100	3525	7825	7825	7825	7825	I7, L17
HGUS412	10¾	12	3¾	10¾	4	56-16d	20-16d	5045	9600	9600	9600	9600	4335	8255	8255	8255	8255	
HGUS414	11¾	12	3¾	12¾	4	66-16d	22-16d	5515	10100	10100	10100	10100	4745	8685	8685	8685	8685	

- Uplift loads have been increased 60% for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction refer to Simpson Strong-Tie® Connector Selector™ software or conservatively divide the uplift load by 1.6.
- Wind (160) is a download rating.
- Minimum heel height shown is required to achieve full table loads. For less than minimum heel height, see technical bulletin T-REDHEEL (see page 215 for details).
- Truss chord cross-grain tension may limit allowable loads. Refer to technical bulletins

- T-ANSITPISPF, T-ANSITPISP and T-ANSITPIDF for allowable loads that consider ANSIT/PI 1-2007 wood member design criteria (see page 213 for details).
- Loads shown are based on minimum of 2-ply 2x carrying member. With 3x carrying members, use 16dx2½" nails into the header and 16d commons into the joist with no load reduction. With single 2x carrying members, use 10dx1½" nails into the header and 10d commons into the joist, and reduce the load to 0.64 of the table value.
- NAILS:** 16d = 0.162" dia. x 3¾" long.  
See page 24-25 for other nail sizes and information.