



**LUL/LUS/HUS/HHUS/HGUS — 10d x 1½" (N10) Option**  
**Standard and Double Shear Face-Mount Joist Hangers**

**N10 Option**

Factored resistances for face-mount hangers in the Simpson Strong-Tie® *Wood Construction Connectors* catalogue assume the use of either 10d x 3" or 16d x 3½" common wire nails. For other nail options, such as 10d x 1½" (N10) nails, an adjustment factor is applied. This technical bulletin gives factored resistance for the 10d x 1½" (N10) option.

Most 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.) **Common nails required for double shear nailing cannot be substituted with 10d x 1½" (N10) nails.**

**Finish:** Galvanized. Some products available in stainless steel or Z-MAX.

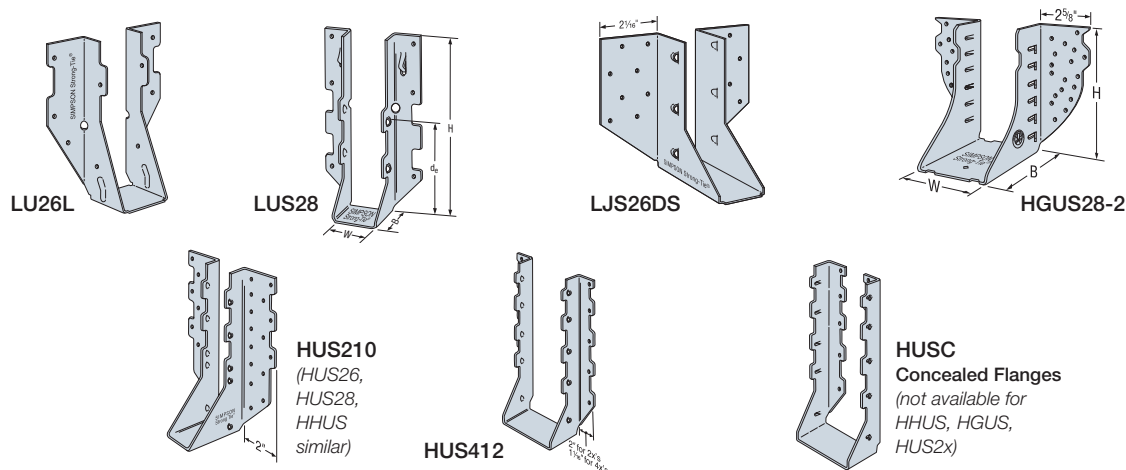
**Options:**

**Installation:**

- Use all specified fasteners.
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Not designed for welded or nailer applications.

- LUS and LUL hangers cannot be modified.
- Concealed flanges are not available for HGUS.
- Other sizes available; consult your Simpson representative.

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d <sub>e</sub> <sup>3</sup>	Header	Joist	D.Fir-L		S-P-F	
								Uplift (K <sub>D</sub> =1.15)	Normal (K <sub>D</sub> =1.00)	Uplift (K <sub>D</sub> =1.15)	Normal (K <sub>D</sub> =1.00)
<b>Single 2x Sizes</b>											
LUS24	18	1⅞	3⅞	1¾	2¼	(4) 10d x 1½"	(2) 10d	545	1250	495	890
LU24L	22	1⅞	3	1⅝	2⅞	(4) 10d x 1½"	(2) 10d x 1½"	360	785	320	560
LU26L	22	1⅞	5	1⅝	4⅝	(6) 10d x 1½"	(4) 10d x 1½"	720	1235	645	880
LUS26	18	1⅞	4¾	1¾	3¾	(4) 10d x 1½"	(4) 10d	1095	1670	995	1255
HUS26	16	1⅝	5⅝	3	3⅞	(14) 10d x 1½"	(6) 10d	2245	3160	1715	2480
LJS26DS	18	1⅞	5	3½	4⅝	(16) 10d x 1½"	(6) 10d	1705	2730	1210	2635
HGUS26	12	1⅝	5⅝	5	4⅞	(20) 10d x 1½"	(8) 10d	2230	4240	2230	3650
LU28L	20	1⅞	6¾	1⅝	5⅞	(8) 10d x 1½"	(4) 10d x 1½"	1140	1680	1020	1195
LUS28	18	1⅞	6⅝	1¾	3¾	(6) 10d x 1½"	(4) 10d	1095	1940	995	1380
HUS28	16	1⅝	7⅞	3	6¼	(22) 10d x 1½"	(8) 10d	2990	3435	2220	2780
HGUS28	12	1⅝	7⅞	5	6⅞	(36) 10d x 1½"	(12) 10d	2745	4910	2745	4415
LU210L	20	1⅞	8	1⅝	7⅝	(10) 10d x 1½"	(6) 10d x 1½"	1140	1920	1020	1365
LUS210	18	1⅞	7⅞	1¾	3⅞	(8) 10d x 1½"	(4) 10d	1095	2145	995	1700
HGUS210	12	1⅝	9⅞	5	7⅞	(46) 10d x 1½"	(16) 10d	2935	7085	2085	5180





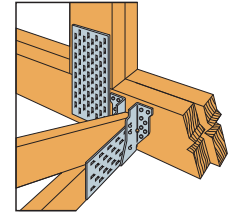
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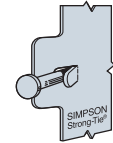
**N10 Option**

Model No.	Ga.	Dimensions (in.)				Fasteners		Factored Resistance (lb.)			
		W	H	B	d <sub>e</sub> <sup>3</sup>	Header	Joist	D.Fir-L		S-P-F	
								Uplift (K <sub>D</sub> =1.15)	Normal (K <sub>D</sub> =1.00)	Uplift (K <sub>D</sub> =1.15)	Normal (K <sub>D</sub> =1.00)
<b>Double 2x Sizes</b>											
LUS24-2	18	3 3/8	3 3/8	2	1 1/2	(4) 10d x 1 1/2"	(2) 10d	535	1295	380	920
LUS26-2	18	3 3/8	4 7/8	2	4	(4) 10d x 1 1/2"	(4) 10d	1100	1660	990	1230
HHUS26-2	14	3 5/8	5 3/8	3	3 15/16	(14) 10d x 1 1/2"	(6) 10d	2365	4695	1715	3330
HGUS26-2	12	3 5/8	5 7/8	4	4 1/8	(20) 10d x 1 1/2"	(8) 10d	3640	5730	2580	4065
LUS28-2	18	3 3/8	7	2	4	(6) 10d x 1 1/2"	(4) 10d	1100	2130	990	1650
HHUS28-2	14	3 5/8	7 5/8	3	6 1/8	(22) 10d x 1 1/2"	(8) 10d	3125	5720	2220	4060
HGUS28-2	12	3 5/8	7 3/8	4	6 1/8	(36) 10d x 1 1/2"	(12) 10d	5040	8305	3575	5900
LUS210-2	18	3 3/8	9	2	6	(8) 10d x 1 1/2"	(6) 10d	1650	2880	1485	2045
HHUS210-2	14	3 5/8	9 3/8	3	8	(30) 10d x 1 1/2"	(10) 10d	3875	6180	3515	4480
HGUS210-2	12	3 5/8	9 3/8	4	8 1/8	(46) 10d x 1 1/2"	(16) 10d	5675	8970	4030	6575
<b>Triple 2x Sizes</b>											
HGUS26-3	12	4 15/16	5 1/2	4	4 1/8	(20) 10d x 1 1/2"	(8) 10d	3640	5730	2580	4065
HGUS28-3	12	4 15/16	7 1/4	4	6 3/8	(36) 10d x 1 1/2"	(12) 10d	5040	8305	3575	5900
HHUS210-3	14	4 11/16	9	3	7 15/16	(30) 10d x 1 1/2"	(10) 10d	3875	6190	3515	4395
HGUS210-3	12	4 15/16	9 3/4	4	8 3/8	(46) 10d x 1 1/2"	(16) 10d	5675	9375	4030	6655
<b>Quadruple 2x Sizes</b>											
HGUS26-4	12	6 3/8	5 7/8	4	4 1/8	(20) 10d x 1 1/2"	(8) 10d	3640	5730	2580	4065
HGUS28-4	12	6 3/8	7 3/8	4	6 1/8	(36) 10d x 1 1/2"	(12) 10d	5040	8305	3575	5900
HHUS210-4	14	6 1/8	8 7/8	3	7 13/16	(30) 10d x 1 1/2"	(10) 10d	3875	6500	3515	4615
HGUS210-4	12	6 3/8	9 3/8	4	8 1/8	(46) 10d x 1 1/2"	(16) 10d	5675	9375	4030	6655
HGUS212-4	12	6 3/8	10 5/8	4	10 1/8	(56) 10d x 1 1/2"	(20) 10d	6340	9595	4505	6815
HGUS214-4	12	6 3/8	12 5/8	4	11 1/8	(66) 10d x 1 1/2"	(22) 10d	8410	10495	5970	7455
<b>4x Sizes</b>											
LUS46	18	3 3/8	4 3/4	2	3 7/8	(4) 10d x 1 1/2"	(4) 10d	1100	1660	990	1230
HHUS46	14	3 5/8	5 1/4	3	3 15/16	(14) 10d x 1 1/2"	(6) 10d	2110	4695	1715	3330
HGUS46	12	3 5/8	5 1/4	4	4 1/8	(20) 10d x 1 1/2"	(8) 10d	3640	5730	2580	4065
LUS48	18	3 3/8	6 3/4	2	3 7/8	(6) 10d x 1 1/2"	(4) 10d	1100	2130	990	1650
HHUS48	14	3 5/8	7 1/8	3	6 1/8	(22) 10d x 1 1/2"	(8) 10d	3125	5720	2220	4060
HGUS48	12	3 5/8	7 1/8	4	6 1/8	(36) 10d x 1 1/2"	(12) 10d	5040	8305	3575	5900
LUS410	18	3 3/8	8 3/4	2	5 9/16	(8) 10d x 1 1/2"	(6) 10d	1650	2880	1485	2045
HGUS410	12	3 5/8	9	4	8 1/8	(46) 10d x 1 1/2"	(16) 10d	5675	8970	4030	6575
HGUS412	12	3 5/8	10 7/8	4	10 1/8	(56) 10d x 1 1/2"	(20) 10d	6340	9595	4505	6815
HGUS414	12	3 5/8	12 7/8	4	11 1/8	(66) 10d x 1 1/2"	(22) 10d	8410	10495	5970	7455

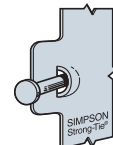
1. Factored uplift resistances have been increased 15% for wind or earthquake loading; no further increase is allowed.
2. Designer must ensure that hanger is compatible with truss when reduced heel height is used.
3. d<sub>e</sub> is the distance from the bearing seat to the top joist nail.
4. 10d refers to 10d x 3 common wire nails (0.148 x 3").



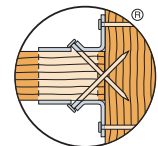
**Typical HUS26 Installation**  
*(Truss designer to provide fastener quantity for connecting multiple members together)*



**Double Shear Nailing Side View**



**Dome Double Shear Nailing Prevents Tabs from Breaking Off**  
*(available on some models)*  
US Patent 5,603,580



**Double Shear Nailing Top View**