

LUL/LUS/HUS/HHUS/HGUS - 10dx1½" (N10) OPTION

Standard and Double Shear Face Mount Joist Hangers

N10 OPTION

Factored Resistances for face mount hangers in the Simpson *Wood Construction Connectors* catalogue assumes the use of either 10dx3" or 16dx3½" common wire nails. For other nail options, such as 10dx1½" (N10) nails, an adjustment factor is applied. This technical bulletin gives Factored Resistance for the 10dx1½" (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 10dx1½" (N10) nails.**

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

INSTALLATION • Use all specified fasteners.

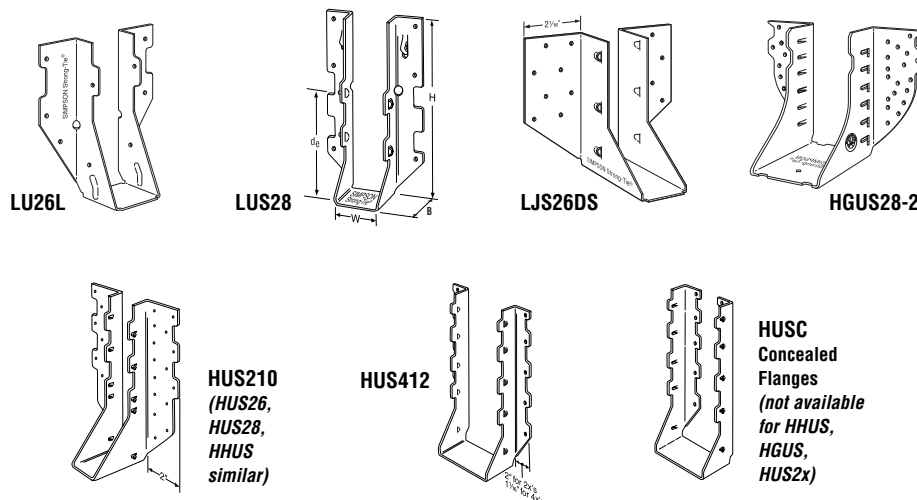
- Nails must be driven at an angle through the joist or truss into the header to achieve the tabulated resistances (except LUL).
- Not designed for welded or nailer applications.

OPTIONS: • LUS and LUL hangers cannot be modified.

- HUS hangers available with the header flanges turned in for 2-2x (3⅜") and 4x only, with no load reduction. See the HUSC Concealed Flange illustration.
- Concealed flanges are not available for HGUS.
- Other sizes available; consult your Simpson representative.

Model No.	Ga	Dimensions				Fasteners		Factored Resistance			
		W (in)	H (in)	B (in)	d _e ³ (in)	Header	Joist	D. Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
								(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)
								lbs	lbs	lbs	lbs
SINGLE 2x SIZES											
LU24L	22	1⅞	3	1⅝	2⅛	4-10dx1½	2-10dx1½	390	785	275	560
LUS24	18	1⅞	3⅞	1¾	2¼	4-10dx1½	2-10d	695	1255	495	895
LU26L	22	1⅞	5	1⅝	4⅝	6-10dx1½	4-10dx1½	665	1235	550	880
LUS26	18	1⅞	4¾	1¾	3¾	4-10dx1½	4-10d	1395	1765	995	1265
HUS26	16	1⅝	5⅝	3	3⅛	14-10dx1½	6-10d	1870	3440	1320	2470
LJS26DS	18	1⅞	5	3½	4⅝	16-10dx1½	6-10d	1315	2770	930	2690
HGUS26	12	1⅝	5⅝	5	4⅞	20-10dx1½	8-10d	1720	4240	1720	3755
LU28L	20	1⅞	6¾	1⅝	5⅞	8-10dx1½	4-10dx1½	1255	1680	895	1200
LUS28	18	1⅞	6⅝	1¾	3¾	6-10dx1½	4-10d	1160	1615	825	1150
HUS28	16	1⅝	7⅞	3	6⅞	22-10dx1½	8-10d	2410	3805	1705	2810
HGUS28	12	1⅝	7⅞	5	6⅞	36-10dx1½	12-10d	2120	4910	2120	4415
LU210L	20	1⅞	8	1⅝	7⅞	10-10dx1½	6-10dx1½	1230	1920	880	1375
LUS210	18	1⅞	7⅞	1¾	3⅞	8-10dx1½	4-10d	1160	1970	825	1465

See notes on page 2.



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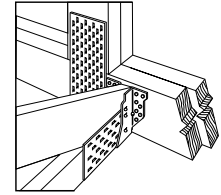
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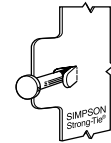
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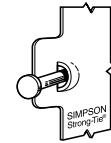
Model No.	Ga	Dimensions				Fasteners		Factored Resistance			
		W (in)	H (in)	B (in)	d _e ³ (in)	Header	Joist	D. Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
								(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)
								lbs	lbs	lbs	lbs
DOUBLE 2x SIZES											
LUS24-2	18	3⅜	3⅜	2	1½	4-10dx1½	2-10d	535	1295	380	910
LUS26-2	18	3⅜	4⅞	2	4	4-10dx1½	4-10d	1405	1730	990	1220
HHUS26-2	14	3⅝	5⅜	3	3⅝	14-10dx1½	6-10d	1870	4695	1320	3320
HGUS26-2	12	3⅞	5⅜	4	4⅞	20-10dx1½	8-10d	2805	5730	1985	4050
LUS28-2	18	3⅜	7	2	4	6-10dx1½	4-10d	1405	2325	990	1640
HHUS28-2	14	3⅝	7⅜	3	6⅞	22-10dx1½	8-10d	2410	5725	1705	4045
HGUS28-2	12	3⅞	7⅞	4	6⅞	36-10dx1½	12-10d	3885	8305	2745	5870
LUS210-2	18	3⅜	9	2	6	8-10dx1½	6-10d	2100	2880	1485	2035
HHUS210-2	14	3⅝	9⅞	3	8	30-10dx1½	10-10d	3505	6310	2480	4460
HGUS210-2	12	3⅞	9⅞	4	8⅞	46-10dx1½	16-10d	4380	9170	3095	6625
TRIPLE 2x SIZES											
HGUS26-3	12	4⅝	5⅞	4	4⅞	20-10dx1½	8-10d	2805	5730	1985	4050
HGUS28-3	12	4⅝	7⅜	4	6⅞	36-10dx1½	12-10d	3885	8305	2745	5870
HHUS210-3	14	4⅞	9	3	7⅝	30-10dx1½	10-10d	3505	6750	2480	4770
HGUS210-3	12	4⅝	9⅞	4	8⅞	46-10dx1½	16-10d	4380	9375	3095	6625
QUADRUPLE 2x SIZES											
HGUS26-4	12	6⅞	5⅞	4	4⅞	20-10dx1½	8-10d	2805	5730	1985	4050
HGUS28-4	12	6⅞	7⅞	4	6⅞	36-10dx1½	12-10d	3885	8305	2745	5870
HHUS210-4	14	6⅞	8⅞	3	7⅝	30-10dx1½	10-10d	3505	6750	2480	4770
HGUS210-4	12	6⅞	9⅞	4	8⅞	46-10dx1½	16-10d	4380	9375	3095	6625
HGUS212-4	12	6⅞	10½	4	10⅞	56-10dx1½	20-10d	4890	9595	3455	6780
HGUS214-4	12	6⅞	12½	4	11⅞	66-10dx1½	22-10d	6485	10495	4580	7420
4x SIZES											
LUS46	18	3⅞	4¾	2	3⅞	4-10dx1½	4-10d	1405	1730	990	1220
HHUS46	14	3⅞	5⅞	3	3⅝	14-10dx1½	6-10d	1870	4695	1320	3320
HGUS46	12	3⅞	5¼	4	4⅞	20-10dx1½	8-10d	2805	5730	1985	4050
LUS48	18	3⅞	6¾	2	3⅞	6-10dx1½	4-10d	1405	2325	990	1640
HHUS48	14	3⅞	7⅞	3	6⅞	22-10dx1½	8-10d	2410	5725	1705	4045
HGUS48	12	3⅞	7⅞	4	6⅞	36-10dx1½	12-10d	3885	8305	2745	5870
LUS410	18	3⅞	8¾	2	5⅞	8-10dx1½	6-10d	2100	2880	1485	2035
HGUS410	12	3⅞	9	4	8⅞	46-10dx1½	16-10d	4380	9375	3095	6625
HGUS212	12	3⅞	10⅞	4	10⅞	56-10dx1½	20-10d	4890	9595	3455	6780
HGUS214	12	3⅞	12⅞	4	11⅞	66-10dx1½	22-10d	6485	10495	4580	7420



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

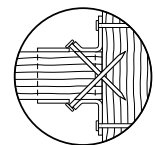


Double Shear Nailing Side View



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

U.S. Patent
5,603,580



Double Shear Nailing Top View

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_e is the distance from the bearing seat to the top joist nail.
4. 10d refers to 10dx3 common wire nails (0.148x3")

This technical bulletin is effective until June 30, 2008, and reflects information available as of May 1, 2006. This information is updated periodically and should not be relied upon after June 30, 2008; contact Simpson for current information and limited warranty or see www.strongtie.com.

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