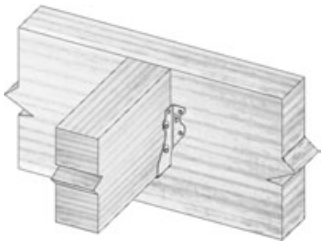
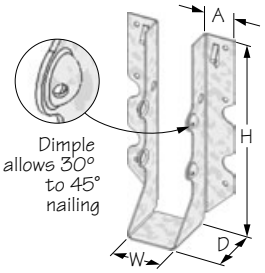
Slant Nail Joist Hangers – HUS, JUS & MUS series

The HUS, JUS & MUS hanger series offers double shear nailing. USP's dimple allows for 30° to 45° nailing through the joist into the header resulting in higher loads and less nailing. Slant nailing also eliminates the need for shorter joist nails in 2x applications.

Materials: JUS - 18 gauge; MUS - 18 gauge; HUS - 14 or 16 gauge
Finish: G90 galvanizing;
JUS24-GC, JUS26-GC, JUS210-GC, JUS26-2GC, & JUS210-2GC – Gold Coat
Options: HUS28-2IF, HUS210-2IF, JUS24, JUS26, JUS26-2, JUS28, JUS28-2, JUS210, JUS210-2, JUS44, JUS46, JUS28-3, & JUS210-3 are available in Triple Zinc. To order, add *TZ* to stock number, as in **JUS24 -TZ**.
JUS24, JUS26, JUS26-2, JUS28, JUS210, and JUS210-2 are available in Stainless Steel. To order, add *SS* to stock number, as in **JUS26-SS**.
See HUS Specialty Options Chart.
Codes: ESR-1881, FL9835, FL570, FL821, FL571, Dade County, FL 07-0419.01, Dade County, FL 07-0214.20 & Dade County, FL 06-0921.05, **L.A. City RR 25779**

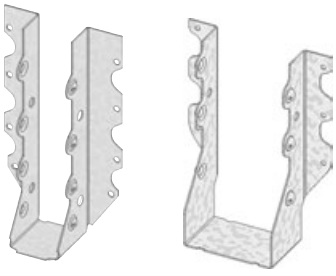


Typical *JUS46* installation

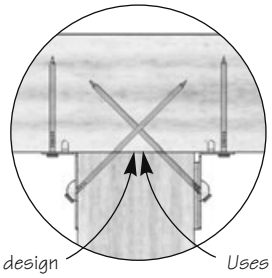


JUS28

Installation:
• Use all specified fasteners. See Product Notes, page 11.
• Joist nails must be driven at a 30° to 45° angle through the joist or truss into the header to achieve listed loads. **Standard length "double shear" nails must be used to achieve listed load values.**
• JUS & MUS - 16d sinkers (9 gauge x 3¼″) may be used where 10d commons are specified with no load reduction.



MUS ***HUS28-2***



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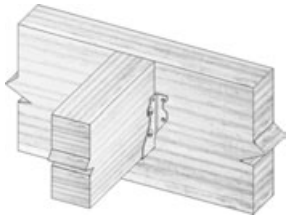


Typical *HUS46* installation

***HUS* Specialty Options Chart –** refer to Specialty Options pages 194-195 for additional details.

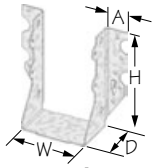
Option	Inverted Flange
Range	Not available in widths less than 2-1/4″.
Allowable Loads	100% of table load. 65% of table load when nailing into the support members end grain.
Ordering	Add *IF* to product number. Ex. HUS410IF

Typical *HUS410IF* inverted flange installation

Face Mount Hanger Charts

Joist Size	USP Stock No.	Ref. No.	Steel Gauge	Dimensions				Fastener Schedule[2,3,4,6,7]				Allowable Loads (Lbs.) DF-L / SP				Code Ref.
								Header		Joist		Floor	Roof		Uplift[1]	
				W	H	D	A	Qty	Nail	Qty	Nail	100%	115%	125%	160%	
2 x 4	JL24	LU24	20	1-9/16	3	1-1/2	15/16	4	10d	2	10d x 1-1/2	455	525	570	245	5, F6, F30, D3, R5
			20	1-9/16	3	1-1/2	15/16	4	16d	2	10d x 1-1/2	545	625	680	245	
	JL24IF-TZ	-- --	18	1-9/16	3-1/8	1-1/2	-- --	4	10d	2	10d x 1-1/2	465	480	480	305	130
			18	1-9/16	3-1/8	1-1/2	-- --	4	16d	2	10d x 1-1/2	480	480	480	305	
	JUS24	LUS24	18	1-9/16	3-1/8	1-3/4	1	4	10d	2	10d	655	750	820	510	6, F6, F15, D3, R13
	JUS24-GC	-- --	18	1-9/16	3-1/8	1-3/4	1	4	10d HDG	2	10d HDG	655	750	820	510	
	SUH24	U24	16	1-9/16	3-1/4	2	1-3/16	4	10d	2	10d x 1-1/2	465	535	580	360	2, F20, R12
			16	1-9/16	3-1/4	2	1-3/16	4	16d	2	10d x 1-1/2	550	635	690	360	
	HD26	HU26	14	1-9/16	3-1/2	2	1-1/8	4	16d	2	10d x 1-1/2	565	650	705	290	5, F30, R5
2 x 6	JL26	LU26	20	1-9/16	4-3/4	1-1/2	15/16	6	10d	4	10d x 1-1/2	685	785	855	485	5, F6, F30, D3, R5
			20	1-9/16	4-3/4	1-1/2	15/16	6	16d	4	10d x 1-1/2	815	940	1020	485	
	JL26IF-TZ	LUC26Z	18	1-9/16	4-1/2	1-1/2	-- --	6	10d	4	10d x 1-1/2	695	800	870	730	130
			18	1-9/16	4-1/2	1-1/2	-- --	6	16d	4	10d x 1-1/2	830	950	1035	730	
	JUS26	LUS26	18	1-9/16	4-13/16	1-3/4	1	4	10d	4	10d	850	975	1060	1115	6, F6, F15, D3, R13
	JUS26-GC	-- --	18	1-9/16	4-13/16	1-3/4	1	4	10d HDG	4	10d HDG	850	975	1060	1115	
	MUS26	MUS26	18	1-9/16	5-1/16	2	1	6	10d	6	10d	1285	1475	1605	865	130
	SUH26	U26	16	1-9/16	5-1/8	2	1-3/16	6	10d	4	10d x 1-1/2	695	800	870	725	2, F20, R12
			16	1-9/16	5-1/8	2	1-3/16	6	16d	4	10d x 1-1/2	830	950	1035	725	
	HUS26	HUS26	16	1-5/8	5-7/16	3	2	14	16d	6	16d	2635	3030	**3295**	1925	6, F15, F18, D2, R13
	HD26	HU26	14	1-9/16	3-1/2	2	1-1/8	4	16d	2	10d x 1-1/2	565	650	705	290	5, F30, R5
	HD28	HU28	14	1-9/16	5-1/4	2	1-1/8	8	16d	4	10d x 1-1/2	1130	1295	1410	730	
2 x 8	JL26	LU26	20	1-9/16	4-3/4	1-1/2	15/16	6	10d	4	10d x 1-1/2	685	785	855	485	5, F6, F30, D3, R5
			20	1-9/16	4-3/4	1-1/2	15/16	6	16d	4	10d x 1-1/2	815	940	1020	485	
	JL26IF-TZ	LUC26Z	18	1-9/16	4-1/2	1-1/2	-- --	6	10d	4	10d x 1-1/2	695	800	870	730	130
			18	1-9/16	4-1/2	1-1/2	-- --	6	16d	4	10d x 1-1/2	830	950	1035	730	
	JL28	LU28	20	1-9/16	6-3/8	1-1/2	15/16	10	10d	6	10d x 1-1/2	1140	1295	1295	885	5, F6, F30, D3, R5
			20	1-9/16	6-3/8	1-1/2	15/16	10	16d	6	10d x 1-1/2	1360	1565	1700	885	
	JL28IF-TZ	LUC28Z	18	1-9/16	6-1/8	1-1/2	-- --	8	10d	4	10d x 1-1/2	930	1065	1160	730	130
			18	1-9/16	6-1/8	1-1/2	-- --	8	16d	4	10d x 1-1/2	1105	1215	1215	730	
	JUS26	LUS26	18	1-9/16	4-13/16	1-3/4	1	4	10d	4	10d	850	975	1060	1115	6, F6, F15, D3, R13
	JUS26-GC	-- --	18	1-9/16	4-13/16	1-3/4	1	4	10d HDG	4	10d HDG	850	975	1060	1115	
	JUS28	LUS28	18	1-9/16	6-5/8	1-3/4	1	6	10d	4	10d	1075	1235	1345	1115	
	JUS28-GC	-- --	18	1-9/16	6-5/8	1-3/4	1	6	10d HDG	4	10d HDG	1075	1235	1345	1115	
	MUS26	MUS26	18	1-9/16	5-1/16	2	1	6	10d	6	10d	1285	1475	1605	865	130
	MUS28	MUS28	18	1-9/16	7-1/16	2	1	8	10d	8	10d	1710	1970	2140	1230	
	SUH26	U26	16	1-9/16	5-1/8	2	1-3/16	6	10d	4	10d x 1-1/2	695	800	870	725	2, F20, R12
			16	1-9/16	5-1/8	2	1-3/16	6	16d	4	10d x 1-1/2	830	950	1035	725	
	SUH28	-- --	16	1-9/16	6-5/8	2	1-3/16	8	10d	6	10d x 1-1/2	930	1065	1160	800	
			16	1-9/16	6-5/8	2	1-3/16	8	16d	6	10d x 1-1/2	1105	1270	1380	800	
	HUS26	HUS26	16	1-5/8	5-7/16	3	2	14	16d	6	16d	2635	3030	**3295**	1925	6, F15, F18, D2, R13
	HUS28	HUS28	16	1-5/8	7-3/16	3	2	22	16d	8	16d	3970	4345	4345	2570	
	HD28	HU28	14	1-9/16	5-1/4	2	1-1/8	8	16d	4	10d x 1-1/2	1130	1295	1410	730	5, F30, R5
	HD210	HU210	14	1-9/16	7-3/16	2	1-1/8	12	16d	4	10d x 1-1/2	1690	1945	2115	730	
2 x 10	JL28	LU28	20	1-9/16	6-3/8	1-1/2	15/16	10	10d	6	10d x 1-1/2	1140	1295	1295	885	5, F6, F30, D3, R5
			20	1-9/16	6-3/8	1-1/2	15/16	10	16d	6	10d x 1-1/2	1360	1565	1700	885	
	JL28IF-TZ	LUC28Z	18	1-9/16	6-1/8	1-1/2	-- --	8	10d	4	10d x 1-1/2	930	1065	1160	730	130
			18	1-9/16	6-1/8	1-1/2	-- --	8	16d	4	10d x 1-1/2	1105	1215	1215	730	
	JL210	LU210	20	1-9/16	8-1/4	1-1/2	15/16	14	10d	8	10d x 1-1/2	1595	1835	1875	1095	5, F6, F30, D3, R5
			20	1-9/16	8-1/4	1-1/2	15/16	14	16d	8	10d x 1-1/2	1905	1965	1965	1095	
	JL210IF-TZ	LUC210Z	18	1-9/16	8-1/4	1-1/2	-- --	11	10d	6	10d x 1-1/2	1275	1465	1595	1095	130
			18	1-9/16	8-1/4	1-1/2	-- --	11	16d	6	10d x 1-1/2	1520	1745	1900	1095	
	JUS28	LUS28	18	1-9/16	6-5/8	1-3/4	1	6	10d	4	10d	1075	1235	1345	1115	6, F6, F15, D3, R13
	JUS28-GC	-- --	18	1-9/16	6-5/8	1-3/4	1	6	10d HDG	4	10d HDG	1075	1235	1345	1115	
	JUS210	LUS210	18	1-9/16	7-3/4	1-3/4	1	8	10d	4	10d	1305	1500	1630	1115	
	JUS210-GC	-- --	18	1-9/16	7-3/4	1-3/4	1	8	10d HDG	4	10d HDG	1305	1500	1630	1115	
	MUS28	MUS28	18	1-9/16	7-1/16	2	1	8	10d	8	10d	1710	1970	2140	1230	130
	SUH28	-- --	16	1-9/16	6-5/8	2	1-3/16	8	10d	6	10d x 1-1/2	930	1065	1160	800	2, F20, R12
			16	1-9/16	6-5/8	2	1-3/16	8	16d	6	10d x 1-1/2	1105	1270	1380	800	
	SUH210	U210	16	1-9/16	8	2	1-3/16	10	10d	6	10d x 1-1/2	1160	1335	1450	1085	
			16	1-9/16	8	2	1-3/16	10	16d	6	10d x 1-1/2	1380	1585	1725	1085	
	HUS28	HUS28	16	1-5/8	7-3/16	3	2	22	16d	8	16d	3970	4345	4345	2570	6, F15, F18, D2, R13
	HUS210	HUS210	16	1-5/8	9-3/16	3	2	30	16d	10	16d	5310	5510	5510	3205	
	HD210	HU210	14	1-9/16	7-3/16	2	1-1/8	12	16d	4	10d x 1-1/2	1690	1945	2115	730	5, F30, R5

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) 10d x 1-1/2 nails are 9 gauge (0.148″ diameter) by 1-1/2″ long.
3) Minimum nail embedment shall be 1-1/2″ for 10d and N10C-GC nails; 1-5/8″ for 16d and N16C-GC nails.
4) 16d sinkers (9 gauge x 3-1/4″ long) may be used at 0.84 of the table load where 16d commons are specified.
5) For JUS and HUS hangers: Nails must be driven at a 30° to 45° angle through the joist or truss into the header to achieve the table loads.
6) WS15 Wood Screws are 1-1/4″ x 1-1/2″ long and are included with HDQ hangers.
7) WS3 Wood Screws are 1-1/4″ x 3″ long and are included with HDQ hangers.
New products or updated product information are designated in **bold font.**



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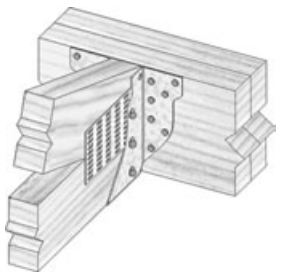
Slant Nail Truss Hangers – MUS & HUS series

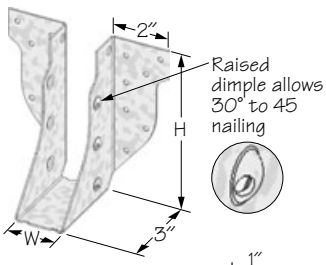
The MUS & HUS hanger series offers double shear nailing. USP's raised dimple allows for 30° to 45° nailing through the joist into header, resulting in higher loads and less nailing. Extended 3″ deep seat provides extra truss bearing.

Materials: See chart
Finish: G90 galvanizing
Codes: ESR-1881, FL9835, Dade County, FL 06-0921.05

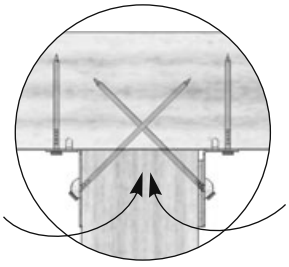
Installation:
• Use all specified fasteners. See Product Notes, page 11.
• Joist nails must be driven in at a 30° to 45° angle through the joist or truss into the header to achieve listed loads. **Standard length "double shear" nails must be used to achieve listed load values.**



Typical *HUS* installation (*MUS* similar)



HUS



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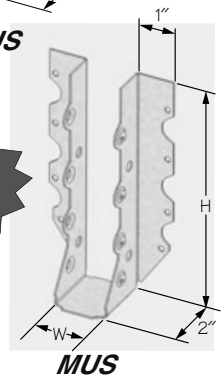


MUS

See EWP applications pages 121-122.

Joist / Truss Size	USP Stock No.	Ref. No.	Steel Gauge	Dimensions		Fastener Schedule[2]				Allowable Loads (Lbs.)[4]								Code Ref.
						Header		Truss[3]		DF-L / SP				S-P-F				
										Floor	Roof		Uplift[1]	Floor	Roof		Uplift[1]	
				W	H	Qty	Type	Qty	Type	100%	115%	125%	160%	100%	115%	125%	160%	
2 x 6 - 8	**MUS26**	MUS26	18	1-9/16	5-1/16	6	10d	6	10d	1285	1475	1605	865	1100	1265	1375	725	130
	HUS26	HUS26	16	1-5/8	5-7/16	14	16d	6	16d	2635	3030	3295	1925	2260	2600	2810	1615	6, F15, F18, D2, R13
2 x 8 - 10	**MUS28**	MUS28	18	1-9/16	7-1/16	8	10d	8	10d	1710	1970	2140	1230	1465	1685	1830	1035	130
	HUS28	HUS28	16	1-5/8	7-3/16	22	16d	8	16d	3970	4345	4345	2570	3410	3650	3650	2160	6, F15, F18, D2, R13
2 x 10 - 12	HUS210	HUS210	16	1-5/8	9-3/16	30	16d	10	16d	5310	5510	5510	3205	4095	4420	4630	2690	
1-3/4 x 5-1/2 - 7-1/4	HUS175	HU1.81/5	16	1-13/16	5-3/8	14	16d	6	16d	2635	3030	3295	1925	2260	2600	2810	1615	
1-3/4 x 7-1/4 - 11-1/4	HUS177	-- --	16	1-13/16	7-1/8	22	16d	8	16d	3975	4345	4345	2570	3410	3650	3650	2160	
1-3/4 x 9-1/4 - 14	HUS179	HUS1.81/10	16	1-13/16	9-1/8	30	16d	10	16d	5310	5510	5510	3205	4410	4630	4630	2690	

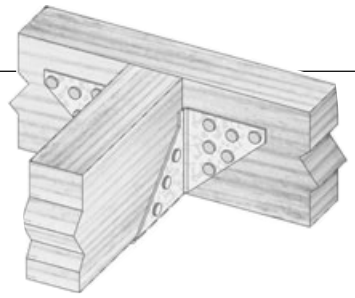
1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Minimum nail penetration is 1-5/8″ for 16d nails.
3) Nails must be driven at a 30° to 45° angle through joist or truss into header to achieve the table loads.
4) HUS175, HUS177, and HUS179 load values assume the joist is 1-3/4″ wide and has a bearing strength of not less than 675 psi.
New products or updated product information are designated in **bold font.**

Butterfly Hanger – CLPBF

The butterfly hanger's flared header flange design allows for added nailing. Excellent truss-to-truss hanger for 2x4 purlin or truss bottom chords.

Materials: 18 gauge
Finish: G90 galvanizing
Codes: ESR-1881, FL574, Dade County, FL 08-0206.07

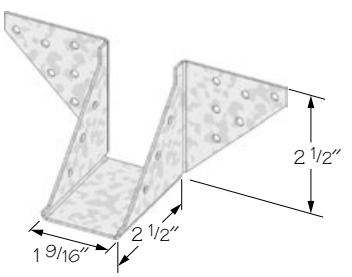
Installation:
• Use all specified fasteners. See Product Notes, page 11.



Typical *CLPBF* installation

Joist Size	USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule[2]				Allowable Loads (Lbs.)				Code Ref.
				Header		Joist		DF-L / SP				
								Floor	Roof		Uplift[1]	
				Qty	Type	Qty	Type	100%	115%	125%	160%	
2 x 4	CLPBF	-- --	18	12	10d	6	10d x 1-1/2	815	815	815	215	6, F7, F15, D11, R13

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
2) Minimum nail embedment shall be 1-1/2″ for 10d nails.



CLPBF