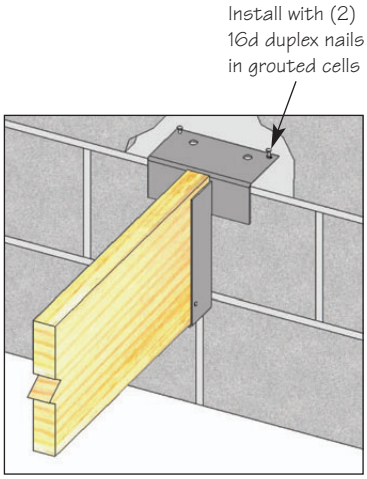
MPH – Designed to work with standard 6″ or larger grouted concrete block wall construction. Eliminates the need for masons to fabricate special seats to support I-Joists or composite wood beams.

PHM & PHXU – Used to connect LVL, LSL, and PSL beams to headers in medium load conditions using standard nails.

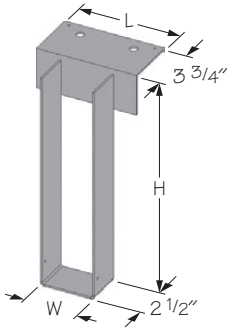
Materials: See EWP Top Mount Hangers charts, pages 127-134.
Finish: USP primer; PHXU – G90 galvanizing.
Codes: ESR-1781, ESR-1831, ESR-2104,
FL816, FL820, FL822, **FL13285**
L.A. City RR 25745, **L.A. City RR 25836**, **L.A. City RR 25843**
Patents: #6,463,711 B1 – PHXU

Installation:

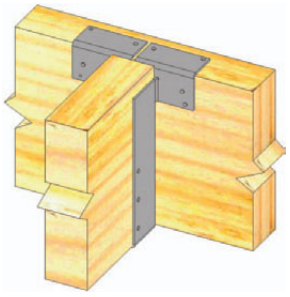
- Use all specified fasteners. See Product Notes, page 11.
- For MPH series: 16d duplex nails are not provided. Place hanger on top of concrete block. Install (2) 16d duplex nails (8 gauge or 0.162″ dia. x 3½″ double head) in the grouted cavity, and then continue laying the next course of block. Larger holes on top flange are provided to aid grout flow. A minimum of one course must be laid over hanger top flange and one course below hanger top flange. Courses adjacent to the top flange shall be subsequently grouted.
- For PHM & PHXU welded installations, see page 198.



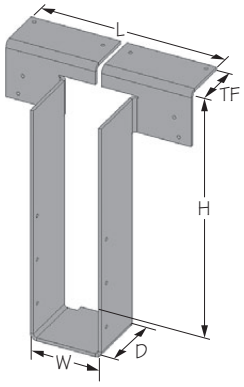
Typical *MPH* installation



MPH



Typical *PHXU* installation



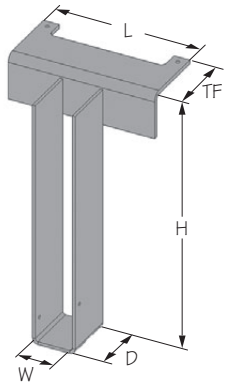
PHXU

continued on next page

PHM & PHXU Nailer Options – chart represents maximum allowable loads for hangers used on wood nailers. Reference page 115.

USP Series	Nailer Size	Fastener Schedule[1,2]				Allowable Loads (Lbs.)[3]			
		Header		Joist		DF-L / SP		S-P-F	
		Qty	Type	Qty	Type	100%	Uplift 160%	100%	Uplift 160%
PHM	2X	2	10d x 1-1/2	2	10d x 1-1/2	3010	-- --	2590	-- --
	3X	2	16d x 2-1/2	2	10d x 1-1/2	3570	-- --	3070	-- --
	(2) 2X	2	10d	2	10d x 1-1/2	3325	-- --	2860	-- --
	4X	2	16d	2	10d x 1-1/2	3255	-- --	2800	-- --
PHXU 1-3/4″ widths	4X	8	16d	6	10d x 1-1/2	4425	1035	3805	890
PHXU 2-3/4″ > widths	4X	8	16d	6	10d x 1-1/2	5285	970	4545	835
	4X	8	16d	6	10d	5285	1290	4545	1110

1) 10d x 1-1/2 nails are 9 gauge (0.148″ diameter) by 1-1/2″ long.
2) 16d x 2-1/2 nails are 89 gauge (0.1628″ diameter) by 2-1/2″ long.
3) Listed loads shall not be increased.



PHM

Specialty Options Chart – refer to Specialty Options pages 194, 196 to 197 for additional details.

Option	USP Series	Skewed[1,3,5]	Sloped Seat[2,3]	Sloped / Skewed[1,2,3]	Sloped Top Flange[4]	Top Flange Offset[5]	Saddle[5,6]	Ridge
Range	PHM	1˚ to 84˚	1˚ to 45˚	See Sloped Seat and Skewed	0° to 35°	-- --	-- --	0˚ to 45˚
	PHXU	1˚ to 60˚						N/A
	MPH				-- --		N/A	N/A
Allowable Loads	PHM	100% of table load	100% of table load	100% of table load up to Max. load of 2500 lbs.	Reduce allowable table loads using straight-line interpolation	5-9/16″ to 7-1/2″ 85%	100% of table load. **See footnote 6.**	100% of table load
	PHXU			100% of table load up to Max. load of 3900 lbs.				
	MPH			100% of table load.				
Ordering	PHM	Add *SK*, angle required, and right *(R)* or left *(L)*, to product number. Ex. PHXU1795-SK45R	Add *SL*, slope required, and up *(U)* or down *(D)*, to product number. Ex. PHXU1795-SL30D	See Sloped Seat and Skewed. Ex. PHXU1795-SK45RSL30D	Add *SF*, angle required, and right *(R)* or left *(L)*, to product number. Ex. PHXU1795-SF30L	Add *OS*, and right *(R)* or left *(L)*, to product number. Ex. PHXU1795-OSL	Add *SA*, and saddle width required to product number. Ex. PHXU1795-SA=5-1/2″	Add *DA*, and angle required to to product number. Ex. PHXU17955-DA30
	PHXU							N/A
	MPH						N/A	N/A

1) Skewed hangers with skews greater than 15° may have all joist nailing on outside flange.
2) Sloped or sloped/skewed hangers with slopes greater than 15° may have additional joist nails.
3) All sloped, skewed, or combinations require bevel cut on joist in all applications and web stiffeners with I-joists.
4) Sloped top flanges with slopes greater than 15° may have additional header nails.
5) Skewed, top flange offset, or saddle options will have a solid, welded top flange.
6) Minimum header thickness shall be double the top flange (TF) dimension for 100% table load.

Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist 9	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
1-1/2 x 9-1/4	THO15925	ITT29.25	--	18	1-9/16	9-1/4	2	--	1-1/2	6	10d	2	10d x 1-1/2	1005	1345	1290	1335	1005	845	--	230	5, F30, R5
	BPH15925	LBV1.56/9.25	x	12	1-9/16	9-1/4	2-3/8	--	1-1/2	10	16d	4	10d x 1-1/2	--	3120	3065	3065	2705	1990	--	625	10, F16, R14
	MPH210	WM210, WM29.25	--	12	1-9/16	9-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2585	--	5, F30, R5
1-1/2 x 9-1/2	THO15950	ITT29.5	--	18	1-1/2	9-1/2	2	--	1-1/2	6	10d	2	10d x 1-1/2	1090	1345	1290	1335	1090	915	--	270	5, F30, R5
	BPH1595	LBV1.56/9.5, MIT29.5	x	12	1-9/16	9-1/2	2-3/8	--	1-1/2	10	16d	4	10d x 1-1/2	--	3120	3065	3065	2705	1990	--	625	10, F16, R14
	MPH1595	WM29.5	--	12	1-9/16	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2585	--	5, F30, R5
1-1/2 x 11-1/4	BPH15112	LBV1.56/11.25	x	12	1-9/16	11-1/4	2-3/8	--	1-1/2	10	16d	4	10d x 1-1/2	--	3120	3065	3065	2705	1990	--	625	10, F16, R14
	MPH212	WM211.25, WM212	--	12	1-9/16	11-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2585	--	5, F30, R5
1-1/2 x 11-7/8	THO15118	ITT211.88, MIT211.88	--	18	1-1/2	11-7/8	2	--	1-9/16	6	10d	2	10d x 1-1/2	1205	1345	1290	1335	1205	1015	--	270	5, F30, R5
	BPH15118	LBV1.56/11.88	x	12	1-9/16	11-7/8	2-3/8	--	1-1/2	10	16d	4	10d x 1-1/2	--	3120	3065	3065	2705	1990	--	625	10, F16, R14
	MPH15118	WM211.88	--	12	1-9/16	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2585	--	5, F30, R5
1-1/2 x 14	THO15140	ITT214	--	16	1-9/16	14	2-3/8	--	1-1/2	10	10d	2	10d x 1-1/2	1030	1030	1030	1030	1030	865	--	230	5, F30, R5
	BPH1514	LBV1.56/14	x	12	1-9/16	14	2-3/8	--	1-1/2	10	16d	4	10d x 1-1/2	--	3120	3065	3065	2705	1990	--	625	10, F16, R14
	MPH1514	-- --	--	12	1-9/16	14	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2585	--	5, F30, R5
1-5/8 x 9-1/2	THO16950	-- --	--	18	1-11/16	9-1/2	2	--	1-1/2	6	10d	2	10d x 1-1/2	1005	1345	1290	1335	1005	845	--	230	5, F30, R5
1-5/8 x 11-1/4	THO16112	-- --	--	16	1-11/16	11-1/4	2	--	1-1/2	6	10d	2	10d x 1-1/2	1030	1345	1290	1335	1030	865	--	230	5, F30, R5
1-5/8 x 11-7/8	THO16118	-- --	--	16	1-11/16	11-7/8	2	--	1-1/2	6	10d	2	10d x 1-1/2	1030	1345	1290	1335	1030	865	--	230	5, F30, R5
1-5/8 x 14	THO16140	-- --	--	16	1-11/16	14	3	--	1-3/4	10	10d	2	10d x 1-1/2	1030	1030	1030	1030	1030	865	--	230	5, F30, R5
1-3/4 x 7-1/4	PHXU17725	LBV1.81/7.25, WP1.81/7.25	x	7	1-13/16	7-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	4420	4425	4425	4425	3070	--	1035	8, R9
1-3/4 x 9-1/4	BPH17925	ITT9.25, LBV1.81/9.25	x	12	1-13/16	9-1/4	2-3/8	--	1-11/16	10	16d	4	10d x 1-1/2	--	3340	3395	3395	3030	2245	--	625	10, F16, R14
	PHM17925	WP9.25	x	7/10	1-13/16	9-1/4	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	**3535**	3330	3080	2865	2865	--	--	
	PHXU17925	WPU1.81/9.25	x	7	1-13/16	9-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	4420	4425	4425	4425	3070	--	1035	8, F14, R9
1-3/4 x 9-1/2	THO17950	ITS1.81/9.5, ITT9.5	--	18	1-3/4	9-1/2	2	--	1-1/2	6	10d	2	10d x 1-1/2	1260	1345	1290	1335	1260	1060	--	270	5, F30, R5
	BPH1795	LBV1.81/9.5, MIT9.5	x	12	1-13/16	9-1/2	2-3/8	--	1-11/16	10	16d	4	10d x 1-1/2	--	3340	3395	3395	3030	2245	--	625	10, F16, R14
	PHM1795	WP9	x	7/10	1-13/16	9-1/2	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	**3535**	3330	3080	2865	2865	--	--	
	PHXU1795	-- --	x	7	1-13/16	9-1/2	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	4420	4425	4425	4425	3070	--	1035	8, F14, R9
	MPH1795	WM9	--	12	1-13/16	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2975	--	5, F30, R5
1-3/4 x 11-1/4	BPH17112	LBV1.81/11.25	x	12	1-13/16	11-1/4	2-3/8	--	1-11/16	10	16d	4	10d x 1-1/2	--	3340	3395	3395	3030	2245	--	625	10, F16, R14
	PHM17112	-- --	x	7/10	1-13/16	11-1/4	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	**3535**	3330	3080	2865	2865	--	--	
	PHXU17112	WPU1.81/11.25	x	7	1-13/16	11-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	4420	4425	4425	4425	3070	--	1035	8, F14, R9
1-3/4 x 11-7/8	THO17118	ITS1.81/11.88, ITT11.88, MIT11.88	--	18	1-3/4	11-7/8	2	--	1-9/16	6	10d	2	10d x 1-1/2	1305	1345	1290	1335	1305	1095	--	270	5, F30, R5
	BPH17118	BA1.81/11.88, LBV1.81/11.88	x	12	1-13/16	11-7/8	2-3/8	--	1-11/16	10	16d	4	10d x 1-1/2	--	3340	3395	3395	3030	2245	--	625	10, F16, R14
	PHM17118	WP11	x	7/10	1-13/16	11-7/8	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	**3535**	3330	3080	2865	2865	--	--	
	PHXU17118	WPU1.81/11.88	x	7	1-13/16	11-7/8	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	4420	4425	4425	4425	3070	--	1035	8, F14, R9
	MPH17118	WM11	--	12	1-13/16	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2975	--	5, F30, R5
1-3/4 x 14	TFL1714	ITS1.81/14, ITT14	--	18	1-13/16	14	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	BPH1714	LBV1.81/14, MIT1.81/14	x	12	1-13/16	14	2-3/8	--	1-11/16	10	16d	4	10d x 1-1/2	--	3340	3395	3395	3030	2245	--	625	10, R14
	PHM1714	WP14	x	7/10	1-13/16	14	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	**3535**	3330	3080	2865	2865	--	--	10, F16, R14
	PHXU1714	WPU1.81/14	x	7	1-13/16	14	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	4420	4425	4425	4425	3070	--	1035	8, F14, R9
	MPH1714	WM14	--	12	1-13/16	14	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2975	--	5, F30, R5
1-3/4 x 16	TFL1716	ITS1.81/16, ITT16	--	18	1-13/16	16	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	BPH1716	B1.81/16, LBV1.81/16, MIT1.81/16	x	12	1-13/16	16	2-3/8	--	1-11/16	10	16d	4	10d x 1-1/2	--	3340	3395	3395	3030	2245	--	625	10, F16, R14
	PHM1716	WP16	x	7/10	1-13/16	16	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	**3535**	3330	3080	2865	2865	--	--	
	MPH1716	WM16	--	12	1-13/16	16	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	2975	--	5, F30, R5
2 - 2-1/8 x 9-1/2	TFL2095	ITS2.06/9.5, ITT2.06/9.5, ITT2.1/9.5	--	18	2-1/8	9-1/2	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
2 - 2-1/8 x 11-7/8	TFL20118	ITS2.06/11.88, ITT2.06/11.88, ITT2.1/11.88	--	18	2-1/8	11-7/8	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27

See footnotes on page 128.

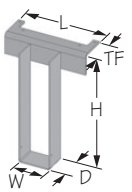
EWP Top Mount Hanger Charts continued

Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist[9]	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
2 - 2-1/8 x 14	TFL2014	ITS2.06/14, ITT2.06/14, ITT2.1/14	--	18	2-1/8	14	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
2 - 2-1/8 x 16	TFL2016	ITT2.06/16, ITT2.1/16	--	18	2-1/8	16	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
2-1/4 - 2-5/16 x 9-1/2	TFL2395	ITS2.37/9.5, ITT359.5	--	18	2-3/8	9-1/2	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	MPH2395	-- --	--	12	2-3/8	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	3855	--	5, F30, R5
2-1/4 - 2-5/16 x 11-7/8	TFL23118	ITS2.37/11.88, ITT3511.88	--	18	2-3/8	11-7/8	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	MPH23118	WM3511.88	--	12	2-3/8	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	3855	--	5, F30, R5
2-1/4 - 2-5/16 x 14	TFL2314	ITS2.37/14, ITT3514	--	18	2-3/8	14	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	THO23140	LBV2.37/14, MIT3514	--	18	2-3/8	14	2-3/8	--	2	12	10d	2	10d x 1-1/2	2715	2715	2715	2715	2715	2280	--	265	5, F30, R5
	PHM2314	WP3514	x	7/10	2-3/8	14	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	3570	3570	3080	2865	2865	--	--	10, F16, R14
	MPH2314	-- --	--	12	2-3/8	14	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	3855	--	5, F30, R5
2-1/4 - 2-5/16 x 16	TFL2316	-- --	--	18	2-3/8	16	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	TFI3516	MIT3516	--	16	2-3/8	16	2-1/2	--	2-1/16	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	PHM2316	WP3516	x	7/10	2-3/8	16	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	3570	3570	3080	2865	2865	--	--	10, F16, R14
	MPH2316	-- --	--	12	2-3/8	16	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	3855	--	5, F30, R5
2-1/4 - 2-5/16 x 18	TFI3518	HIT3518, LBV2.37/18, MIT3518	--	16	2-3/8	18	2-1/2	--	2-1/16	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	PHM2318	WP3518	x	7/10	2-3/8	18	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	3570	3570	3080	2865	2865	--	--	10, F16, R14
	MPH2318	-- --	x	12	2-3/8	18	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	3855	--	5, F30, R5
2-1/4 - 2-5/16 x 20	TFI3520	HIT3520, LBV2.37/20, MIT3520	--	16	2-3/8	20	2-1/2	--	2-1/16	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	PHM2320	WP3520	x	7/10	2-3/8	20	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	3570	3570	3080	2865	2865	--	--	10, F16, R14
	MPH2320	-- --	x	12	2-3/8	20	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	3855	--	5, F30, R5
2-1/2 x 9-1/4	TFL25925	ITT39.25	--	18	2-9/16	9-1/4	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	MPH25925	-- --	--	12	2-1/2	9-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 9-3/8	TFL25938	ITT39.37	--	18	2-9/16	9-3/8	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
2-1/2 x 9-1/2	TFL2595	ITS2.56/9.5, ITT39.5	--	18	2-9/16	9-1/2	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	MPH2595	-- --	--	12	2-1/2	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 11-1/4	TFL25112	ITT311.25	--	18	2-9/16	11-1/4	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	MPH25112	-- --	--	12	2-1/2	11-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 11-7/8	TFL25118	ITS2.56/11.88, ITT311.88	--	18	2-9/16	11-7/8	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	THO25118	MIT311.88	--	16	2-9/16	11-7/8	2-3/8	--	1-15/16	10	10d	2	10d x 1-1/2	1835	1835	1835	1835	1835	1540	--	265	5, F30, R5
	MPH25118	-- --	--	12	2-1/2	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 13	TFL2513	ITT313	--	18	2-9/16	13	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
2-1/2 x 14	TFL2514	ITS2.56/14, ITT314	--	18	2-9/16	14	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	THO25140	MIT314	--	18	2-9/16	14	2-3/8	--	2	12	10d	2	10d x 1-1/2	2715	2715	2715	2715	2715	2280	--	265	5, F30, R5
	PHM2514	WPI314	--	7/10	2-9/16	14	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	3570	3570	3080	2865	2865	--	--	10, F16, R14
	MPH2514	-- --	--	12	2-1/2	14	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 16	TFL2516	ITT316	--	18	2-9/16	16	2	--	1-1/2	6	10d	2	10d x 1-1/2	1245	1645	1600	1700	1600	1230	--	360	1, F27
	TFI316	LBV2.56/16, MIT316	--	16	2-9/16	16	2-1/2	--	2	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	PHM2516	WPI316	--	7/10	2-9/16	16	2-1/2	7	3	2	16d	2	10d x 1-1/2	--	3570	3570	3080	2865	2865	--	--	10, F16, R14
	MPH2516	-- --	--	12	2-1/2	16	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 18	TFI318	HIT318, LBV2.56/18, MIT318	--	16	2-9/16	18	2-1/2	--	2	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	MPH2518	-- --	x	12	2-1/2	18	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5

1) When I-joist is used as a header, all nails must be 10d x 1-1/2.
2) 10d x 1-1/2 nails are 9 gauge (0.148″ diameter) by 1-1/2″ long.
3) Duplex nails are No. 8 wire gauge (0.162″ diameter) and 3-1/2″ long, double headed nails.
4) NA16D-RS nails are 9 gauge (0.148″ diameter) by 3-1/2″ long, hardened ring shank nails.
5) Masonry compressive strength shall be minimum 1500 psi for MPH hangers.
6) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted
7) Some listed loads may be increased for short-term loading. Refer to code evaluation reports for USP Structural Connectors for details.
8) Minimum nail penetration shall be 1-1/2″ for 10d nails and 1-5/8″ for 16d nails.
9) When I-Joists with flanges less than 1-1/2″ thick are used as headers, the published capacity shall be reduced. Contact USP for additional information.

Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.

New products or updated product information are designated in **bold font.**



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Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist [9]	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
2-1/2 x 20	TFI320	HIT320, LBV2.56/20, MIT320	--	16	2-9/16	20	2-1/2	--	2	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	MPH2520	-- --	x	12	2-1/2	20	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 22	TFI322	HIT322, LBV2.56/22, WPI322	--	16	2-9/16	22	2-1/2	--	2	10	16d	2	10d x 1-1/2	--	3245	2920	2950	3245	2345	--	360	2, R12
	MPH2522	-- --	x	12	2-1/2	22	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 24	TFI324	HIT324, LBV2.56/24, WPI324	--	16	2-9/16	24	2-1/2	--	2	10	16d	2	10d x 1-1/2	--	3245	2920	2950	3245	2345	--	360	2, F20, R12
	MPH2524	-- --	x	12	2-1/2	24	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-1/2 x 26	TFI326	HIT326, LBV2.56/26, WPI326	--	16	2-9/16	26	2-1/2	--	2	10	16d	2	10d x 1-1/2	--	3245	2920	2950	3245	2345	--	360	2, F20, R12
	MPH2526	-- --	x	12	2-1/2	26	2-1/2	7	3-3/4	2	16d duplex	2	10d x 1-1/2	--	--	--	--	--	--	4145	--	5, F30, R5
2-5/8 x 9-1/2	THO26950	-- --	--	18	2-11/16	9-1/2	2-3/8	--	2	10	10d	2	10d x 1-1/2	1625	1625	1625	1625	1625	1365	--	265	5, F30, R5
2-5/8 x 11-7/8	THO26118	-- --	--	16	2-11/16	11-7/8	2-3/8	--	2	10	10d	2	10d x 1-1/2	1835	1835	1835	1835	1835	865	--	265	5, F30, R5
2-5/8 x 14	THO26140	-- --	--	18	2-11/16	14	2-3/8	--	2	12	10d	2	10d x 1-1/2	2715	2715	2715	2715	2715	2300	--	265	5, F30, R5
2-5/8 x 16	THO26160	-- --	--	18	2-11/16	16	2-3/8	--	2	12	10d	2	10d x 1-1/2	2715	2715	2715	2715	2715	2300	--	265	5, F30, R5
2-11/16 x 9-1/4	PHXU27925	HWU2.75/9.25	--	7	2-3/4	9-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	8, F14, R9
	HLBH27925	GLTV2.75/9.25	x	7	2-3/4	9-1/4	6	12	2-3/4	15	NA16D-RS	6	10d x 1-1/2	--	10225	10540	9600	9600	8915	--	1380	10, F16, R14
2-11/16 x 9-1/2	PHXU2795	-- --	--	7	2-3/4	9-1/2	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	8, F14, R9
	HLBH2795	GLTV2.75/9.5	x	7	2-3/4	9-1/2	6	12	2-3/4	15	NA16D-RS	6	10d x 1-1/2	--	10225	10540	9600	9600	8915	--	1380	10, F16, R14
2-11/16 x 11-1/4	PHXU27112	-- --	--	7	2-3/4	11-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	8, F14, R9
	HLBH27112	GLTV2.75/11.25	x	7	2-3/4	11-1/4	6	12	2-3/4	15	NA16D-RS	6	10d x 1-1/2	--	10225	10540	9600	9600	8915	--	1380	10, F16, R14
2-11/16 x 11-7/8	PHXU27118	-- --	--	7	2-3/4	11-7/8	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	8, F14, R9
	HLBH27118	GLTV2.75/11.88	x	7	2-3/4	11-7/8	6	12	2-3/4	15	NA16D-RS	6	10d x 1-1/2	--	10225	10540	9600	9600	8915	--	1380	10, F16, R14
2-11/16 x 14	PHXU2714	-- --	--	7	2-3/4	14	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	8, F14, R9
	HLBH2714	GLTV2.75/14	x	7	2-3/4	14	6	12	2-3/4	15	NA16D-RS	6	10d x 1-1/2	--	10225	10540	9600	9600	8915	--	1380	10, F16, R14
2-11/16 x 16	PHXU2716	-- --	--	7	2-3/4	16	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	8, F14, R9
	HLBH2716	GLTV2.75/16	x	7	2-3/4	16	6	12	2-3/4	15	NA16D-RS	6	10d x 1-1/2	--	10225	10540	9600	9600	8915	--	1380	10, F16, R14
3 x 9-1/4	BPH31925	LBV3.12/9.25	x	12	3-1/8	9-1/4	3	--	2-3/32	10	16d	4	10d	--	3440	3510	3775	3440	2815	--	625	10, F16, R14
	PHXU31925	WP29.25-2	x	7	3-1/8	9-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	130
	MPH210-2	WM210-2, WM29.25-2	x	12	3-1/8	9-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3 x 9-1/2	THO15950-2	MIT29.5-2	x	16	3-1/16	9-1/2	2-3/8	--	1-1/2	10	16d	6	10d	2630	2330	2490	2490	2500	1860	--	1115	5, F30, R5
	BPH3195	LBV3.12/9.5	x	12	3-1/8	9-1/2	3	--	2-3/32	10	16d	4	10d	--	3440	3510	3775	3440	2815	--	625	10, F16, R14
	PHXU3195	WP29.5-2	x	7	3-1/8	9-1/2	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	130
	MPH1595-2	WM29.5-2	x	12	3-1/8	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3 x 11-1/4	BPH31112	LBV3.12/11.25	x	12	3-1/8	11-1/4	3	--	2-3/32	10	16d	4	10d	--	3440	3510	3775	3440	2815	--	**625**	10, F16, R14
	PHXU31112	WP211.25-2	x	7	3-1/8	11-1/4	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	130
	MPH15112-2	WM211.25-2	x	12	3-1/8	11-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3 x 11-7/8	THO15118-2	MIT211.88-2	x	16	3-1/16	11-7/8	2-3/8	--	1-1/2	10	16d	6	10d	2630	2330	2465	2465	2490	1845	--	1115	5, F30, R5
	BPH31118	LBV3.12/11.88	x	12	3-1/8	11-7/8	3	--	2-3/32	10	16d	4	10d	--	3440	3510	3775	3440	2815	--	**625**	10, F16, R14
	PHXU31118	WP211.88-2	x	7	3-1/8	11-7/8	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	130
	MPH15118-2	WM211.88-2	x	12	3-1/8	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3 x 14	BPH3114	LBV3.12/14	x	12	3-1/8	14	3	--	2-3/32	10	16d	4	10d	--	3440	3510	3775	3440	2815	--	**625**	10, F16, R14
	PHXU3114	-- --	x	7	3-1/8	14	3-1/4	10	2-1/2	8	16d	6	10d x 1-1/2	--	6020	5785	6020	5285	3590	--	970	130
3-1/2 x 9-1/4	THO35925	ITT49.25	--	16	3-9/16	9-1/4	2-3/8	--	2-1/2	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
	BPH35925	BA410, LBV3.56/9.25	x	12	3-9/16	9-1/4	2-3/8	--	2-3/8	10	16d	4	10d	--	3485	3510	3775	3485	3280	--	815	10, F16, R14
	PHM35925	WPI49.25	x	7/10	3-5/8	9-1/4	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU35925	HB3.56/9.25, HWI49.25, HWU3.56/9.25	x	7	3-9/16	9-1/4	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH35925	-- --	x	7	3-5/8	9-1/4	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH410	WM410	--	12	3-9/16	9-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5

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EWP Top Mount Hanger Charts continued

Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist[9]	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
3-1/2 x 9-3/8	THO35938	ITT49.37	--	16	3-9/16	9-3/8	2-3/8	--	2-9/16	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
3-1/2 x 9-1/2	THO35950	ITT49.5	--	16	3-9/16	9-1/2	2-3/8	--	2-7/16	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
	THO17950-2	MIT49.5	x	16	3-9/16	9-1/2	2-3/8	--	1-9/16	10	16d	6	10d	2630	2330	2555	2555	2580	1905	--	1115	5, F30, R5
	BPH3595	LBV3.56/9.5	x	12	3-9/16	9-1/2	2-3/8	--	2-3/8	10	16d	4	10d	--	3485	3510	3775	3485	3280	--	815	10, F16, R14
	PHM3595	WPI49.5	x	7/10	3-5/8	9-1/2	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3595	GLTV3.59, HB3.56/9.5, HWI49.5, HWU3.56/9.5	x	7	3-9/16	9-1/2	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH3595	HGLTV3.59	x	7	3-5/8	9-1/2	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH1795-2	WM3.56/9.5	--	12	3-5/8	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 11-1/4	THO35112	ITT411.25	--	16	3-9/16	11-1/4	2-3/8	--	2-1/2	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
	BPH35112	BA412, LBV3.56/11.25	x	12	3-9/16	11-1/4	2-3/8	--	2-3/8	10	16d	4	10d	--	3485	3510	3775	3485	3280	--	815	10, F16, R14
	PHM35112	WPI411.25	x	7/10	3-5/8	11-1/4	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	10, F16, R14
	PHXU35112	GLTV3.56/11.25, HB3.56/11.25, HWI411.25, HWU3.56/11.25	x	7	3-9/16	11-1/4	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH35112	HGLTV3.56/11.25	x	7	3-5/8	11-1/4	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH412	WM412	--	12	3-9/16	11-1/4	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 11-7/8	THO35118	ITT411.88	--	18	3-9/16	11-7/8	2-3/8	--	2-1/2	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
	THO17118-2	MIT411.88	x	16	3-9/16	11-7/8	2-3/8	--	1-9/16	10	16d	6	10d	2630	2330	2355	2355	2375	1765	--	1115	5, F30, R5
	BPH35118	BA3.56/11.88, LBV3.56/11.88	x	12	3-9/16	11-7/8	2-3/8	--	2-3/8	10	16d	4	10d	--	3485	3510	3775	3485	3280	--	815	10, F16, R14
	PHM35118	WPI411.88	x	7/10	3-5/8	11-7/8	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU35118	GLTV3.511, HB3.56/11.88, HWI411.88, HWU3.56/11.88, WPU3.56/11.88	x	7	3-9/16	11-7/8	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH35118	HGLTV3.511	x	7	3-5/8	11-7/8	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH17118-2	WM3.56/11.88	--	12	3-5/8	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 12	THO35120	-- --	--	18	3-9/16	12	2-3/8	--	2-1/2	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
	BPH3512	HWI412, LBV3.56/12	x	12	3-9/16	12	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHXU3512	GLTV3.512, HB3.56/12	x	7	3-9/16	12	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH3512	HGLTV3.512	x	7	3-5/8	12	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH3512	WMI412	--	12	3-1/2	12	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 13	THO35130	ITT413	--	18	3-9/16	13	2-3/8	--	2-1/2	10	10d	2	10d x 1-1/2	2050	2050	2050	2050	2050	1720	--	265	5, F30, R5
3-1/2 x 14	THO35140	ITT414	--	18	3-9/16	14	2-3/8	--	2-1/2	12	10d	2	10d x 1-1/2	2715	2715	2715	2715	2715	2280	--	265	5, F30, R5
	TFI414	MIT414	--	16	3-9/16	14	2-1/2	--	2-1/8	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	BPH3514	B3.56/14, BA3.56/14, LBV3.56/14	x	12	3-9/16	14	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3514	WPI414	x	7/10	3-5/8	14	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3514	GLTV3.514, HB3.56/14, HWI414, HWU3.56/14, WPU3.56/14	x	7	3-9/16	14	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH3514	HGLTV3.514	x	7	3-5/8	14	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH3514	WMI414	--	12	3-1/2	14	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5

1) When I-joist is used as a header, all nails must be 10d x 1-1/2.

2) 10d x 1-1/2 nails are 9 gauge (0.148″ diameter) by 1-1/2″ long.

3) Duplex nails are No. 8 wire gauge (0.162″ diameter) and 3-1/2″ long, double headed nails.

4) NA16D-RS nails are 9 gauge (0.148″ diameter) by 3-1/2″ long, hardened ring shank nails.

5) Masonry compressive strength shall be minimum 1500 psi for MPH hangers.

6) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted

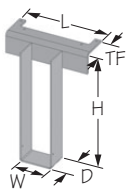
7) Some listed loads may be increased for short-term loading. Refer to code evaluation reports for USP Structural Connectors for details.

8) Minimum nail penetration shall be 1-1/2″ for 10d nails and 1-5/8″ for 16d nails.

9) When I-Joists with flanges less than 1-1/2″ thick are used as headers, the published capacity shall be reduced. Contact USP for additional information.

Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.

New products or updated product information are designated in **bold font.**



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Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joists	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
3-1/2 x 16	THO35160	ITT416	--	18	3-9/16	16	2-3/8	--	2-1/2	12	10d	2	10d x 1-1/2	2715	2715	2715	2715	2715	2280	--	265	5, F30, R5
	TFI416	MIT416	--	16	3-9/16	16	2-1/2	--	2-1/8	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	BPH3516	B3.56/16, BA3.56/16, LBV3.56/16	x	12	3-9/16	16	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3516	WPI416	x	7/10	3-5/8	16	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3516	GLTV3.516, HB3.56/16, HWI416, HWU3.56/16, WPU3.56/16	x	7	3-9/16	16	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH3516	HGLTV3.516	x	7	3-5/8	16	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH3516	WMI416	--	12	3-1/2	16	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 18	TFI418	HIT418, MIT418	--	16	3-9/16	18	2-1/2	--	2-1/8	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	BPH3518	LBV3.56/18	x	12	3-9/16	18	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3518	WPI418	x	7/10	3-5/8	18	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3518	GLTV3.518, HB3.56/18, HWI418, HWU3.56/18, WPU3.56/18	x	7	3-9/16	18	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH3518	HGLTV3.518	x	7	3-5/8	18	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH3518	WMI418	x	12	3-1/2	18	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 20	TFI420	MIT420	--	16	3-9/16	20	2-1/2	--	2-1/8	6	16d	2	10d x 1-1/2	--	2560	2235	2265	2560	1660	--	360	2, F20, R12
	BPH3520	HIT420, LBV3.56/20	x	12	3-9/16	20	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3520	WPI420	x	7/10	3-5/8	20	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3520	HB3.56/20, HWI420, WPU3.56/20	x	7	3-9/16	20	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
	HLBH3520	-- --	x	7	3-5/8	20	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1420	10, F16, R14
	MPH3520	WMI420	x	12	3-1/2	20	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
3-1/2 x 22	TFI422	HIT422	--	16	3-9/16	22	2-1/2	--	2-1/8	10	16d	2	10d x 1-1/2	--	3245	2920	2950	3245	2345	--	360	2, F20, R12
	BPH3522	HIT3522, LBV3.56/22	x	12	3-9/16	22	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3522	HWI422, WPI422	x	7/10	3-5/8	22	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3522	HB3.56/22, WPU3.56/22	x	7	3-9/16	22	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
3-1/2 x 24	TFI424	HIT424, LBV3.56/24	--	16	3-9/16	24	2-1/2	--	2-1/8	10	16d	2	10d x 1-1/2	--	3245	2920	2950	3245	2345	--	360	2, F20, R12
	BPH3524	-- --	x	12	3-9/16	24	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3524	HWI424, WPI424	x	7/10	3-5/8	24	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3524	HB3.56/24, WPU3.56/24	x	7	3-9/16	24	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
3-1/2 x 26	TFI426	HIT426	--	16	3-9/16	26	2-1/2	--	2-1/8	10	16d	2	10d x 1-1/2	--	3245	2920	2950	3245	2345	--	360	2, F20, R12
	BPH3526	LBV3.56/26	x	12	3-9/16	26	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3526	HWI426, WPI426	x	7/10	3-5/8	26	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3526	HB3.56/26, WPU3.56/26	x	7	3-9/16	26	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
3-1/2 x 28	BPH3528	LBV3.56/28	x	12	3-9/16	28	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3528	HWI428, WPI428	x	7/10	3-5/8	28	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3528	HB3.56/28, WPU3.56/28	x	7	3-9/16	28	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
3-1/2 x 30	BPH3530	LBV3.56/30	x	12	3-9/16	30	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3530	HWI430, WPI430	x	7/10	3-5/8	30	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3530	HB3.56/30	x	7	3-9/16	30	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	8, F14, R9
3-1/2 x 32	BPH3532	-- --	x	12	3-9/16	32	2-3/4	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1140	10, F16, R14
	PHM3532	HWI432, WPI432	x	7/10	3-5/8	32	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	
	PHXU3532	-- --	x	7	3-9/16	32	3-1/4	10	2-1/2	8	16d	6	10d	--	6650	5785	6420	5285	3590	--	1290	130
4 - 4-3/16 x 9-1/2	THO20950-2	LBV4.12/9.5, LBV4.28/9.5, MIT4.28/9.5	x	16	4-3/16	9-1/2	3	--	2	10	16d	6	10d	2630	2330	2665	2665	2665	2240	--	1115	5, F30, R5
	PHM4295	-- --	x	7/10	4-3/16	9-1/2	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	130

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EWP Top Mount Hanger Charts continued

Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist[9]	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
4 - 4-3/16 x 11-7/8	THO20118-2	LBV4.12/11.88, LBV4.28/11.88, MIT4.28/11.88	x	16	4-3/16	11-7/8	3	--	2	10	16d	6	10d	2630	2330	2700	2700	2700	2270	--	1115	5, F30, R5
	PHM42118	-- --	x	7/10	4-3/16	11-7/8	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	130
4 - 4-3/16 x 14	THO20140-2	LBV4.12/14, LBV4.28/14, MIT4.28/14	x	12	4-3/16	14	3	--	1-15/16	10	16d	6	10d	2630	2330	3700	3700	3700	2765	--	1175	5, F30, R5
	PHM4214	-- --	x	7/10	4-3/16	14	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	130
4 - 4-3/16 x 16	THO20160-2	LBV4.12/16, LBV4.28/16	x	12	4-3/16	16	3	--	1-15/16	10	16d	6	10d	2630	2330	3700	3700	3700	2765	--	1175	5, F30, R5
	PHM4216	-- --	x	7/10	4-3/16	16	2-1/2	7	3	2	16d	2	10d	--	3745	3570	3080	3255	3255	--	--	130
4-1/2 - 4-5/8 x 9-1/2	THO23950-2	LBV4.75/9.5, MIT359.5-2	x	12	4-3/4	9-1/2	3	--	2	10	16d	6	10d	2630	3535	3635	3635	3665	2675	--	1175	5, F30, R5
	PHM2395-2	WP359.5-2	x	7/10	4-3/4	9-1/2	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
4-1/2 - 4-5/8 x 11-7/8	THO23118-2	LBV4.75/11.88, MIT3511.88-2	x	12	4-3/4	11-7/8	3	--	2-1/8	10	16d	6	10d	2630	3535	3665	3665	3665	3005	--	1175	5, F30, R5
	PHM23118-2	WP3511.88-2	x	7/10	4-3/4	11-7/8	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
	MPH23118-2	WM3511.88-2	x	12	4-5/8	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
4-1/2 - 4-5/8 x 14	THO23140-2	LBV4.75/14, MIT3514-2	x	12	4-3/4	14	3	--	2-1/8	12	16d	6	10d	2630	3535	4405	4405	4450	3265	--	1175	5, F30, R5
	MPH2314-2	WM3514-2	x	12	4-5/8	14	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
4-1/2 - 4-5/8 x 16	THO23160-2	LBV4.75/16	x	12	4-3/4	16	3	--	2-1/8	12	16d	6	10d	2630	3535	4405	4405	4450	3265	--	1175	5, F30, R5
	PHM2316-2	WP3516-2	x	7/10	4-3/4	16	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
	MPH2316-2	WM3516-2	x	12	4-5/8	16	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
4-1/2 - 4-5/8 x 18	THO23180-2	LBV4.75/18	x	12	4-3/4	18	3	--	2-1/8	14	16d	6	10d	2630	3535	4685	4685	4770	3520	--	1175	5, F30, R5
	PHM2318-2	WP3518-2	x	7/10	4-3/4	18	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
	MPH2318-2	WM3518-2	x	12	4-5/8	18	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
4-1/2 - 4-5/8 x 20	THO23200-2	LBV4.75/20	x	12	4-3/4	20	3	--	2-1/8	14	16d	6	10d	2630	3535	4685	4685	4770	3520	--	1175	5, F30, R5
	PHM2320-2	WP3520-2	x	7/10	4-3/4	20	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
	MPH2320-2	WM3520-2	x	12	4-5/8	20	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
5 x 9-1/4	THO25925-2	LBV5.12/9.25	x	12	5-1/8	9-1/4	3	--	2-11/16	10	16d	6	10d	2630	3535	3665	3665	3665	3080	--	1175	5, F30, R5
5 x 9-1/2	THO25950-2	MIT39.5-2, LBV5.12/9.5	x	12	5-1/8	9-1/2	3	--	2-1/8	10	16d	6	10d	2630	3535	3665	3665	3665	2710	--	1175	5, F30, R5
	PHM2595-2	WPI39.5-2	x	7/10	5-1/8	9-1/2	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, R14
5 x 11-1/4	THO25112-2	LBV5.12/11.25	x	12	5-1/8	11-1/4	3	--	2-1/8	10	16d	6	10d	2630	3535	3665	3665	3665	3005	--	1175	5, F30, R5
5 x 11-7/8	THO25118-2	LBV5.12/11.88, MIT311.88-2	x	12	5-1/8	11-7/8	3	--	2-1/8	10	16d	6	10d	2630	3535	3665	3665	3665	3005	--	1175	5, F30, R5
5 x 14	THO25140-2	MIT314-2, LBV5.12/14	x	12	5-1/8	14	3	--	2-1/8	12	16d	6	10d	2630	3535	4405	4405	4450	3265	--	1175	10, F16
	PHM2514-2	WPI314-2	x	7/10	5-1/8	14	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
5 x 16	THO25160-2	MIT5.12/16, LBV5.12/16	x	12	5-1/8	16	3	--	2-1/8	12	16d	6	10d	2630	3535	4405	4405	4450	3265	--	1175	5, F30, R5
	PHM2516-2	WPI316-2	x	7/10	5-1/8	16	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
5 x 18	THO25180-2	B5.12/18	x	12	5-1/8	18	3	--	2-1/8	14	16d	6	10d	2630	3535	4685	4685	4770	3520	--	1175	5, F30, R5
	PHM2518-2	WPI318-2	x	7/10	5-1/8	18	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
5 x 20	THO25200-2	B5.12/20	x	12	5-1/8	20	3	--	2-1/8	14	16d	6	10d	2630	3535	4685	4685	4770	3520	--	1175	5, F30, R5
	PHM2520-2	WPI320-2	x	7/10	5-1/8	20	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
5 x 22	PHM2522-2	WPI322-2	x	7/10	5-1/8	22	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
5 x 24	PHM2524-2	WPI324-2	x	7/10	5-1/8	24	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14

1) When I-joist is used as a header, all nails must be 10d x 1-1/2.

2) 10d x 1-1/2 nails are 9 gauge (0.148″ diameter) by 1-1/2″ long.

3) Duplex nails are No. 8 wire gauge (0.162″ diameter) and 3-1/2″ long, double headed nails.

4) NA16D-RS nails are 9 gauge (0.148″ diameter) by 3-1/2″ long, hardened ring shank nails.

5) Masonry compressive strength shall be minimum 1500 psi for MPH hangers.

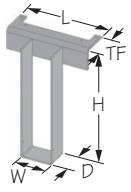
6) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted

7) Some listed loads may be increased for short-term loading. Refer to code evaluation reports for USP Structural Connectors for details.

8) Minimum nail penetration shall be 1-1/2″ for 10d nails and 1-5/8″ for 16d nails.

9) When I-Joists with flanges less than 1-1/2″ thick are used as headers, the published capacity shall be reduced. Contact USP for additional information.

Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.



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Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist [9]	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
5 x 26	PHM2526-2	WPI326-2	x	7/10	5-1/8	26	2-1/2	7	3	2	16d	2	10d	--	3745	3255	2965	3255	3255	--	--	10, F16, R14
5-1/4 x 9-1/4	PHXU55925	GLTV5.50/9.25, HB5.50/9.25, HWU5.50/9.25	x	7	5-1/2	9-1/4	3-1/4	11-1/2	3	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH55925	-- --	x	7	5-9/16	9-1/4	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
5-1/4 x 9-1/2	BPH5595	-- --	x	12	5-9/16	9-1/2	3	--	2-5/32	10	16d	4	10d	--	3450	3510	3775	3450	3280	--	815	10, R14
	PHM5595	WP5.50/9.5	x	7/10	5-5/8	9-1/2	2-1/2	7	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	10, F16, R14
	PHXU5595	GLTV5.59, HB5.50/9.5, HWU5.50/9.5	x	7	5-1/2	9-1/2	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH5595	HGLTV5.59	x	7	5-9/16	9-1/2	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
	MPH5595	WM5.50/9.5	x	12	5-5/8	9-1/2	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
5-1/4 x 11-1/4	PHXU55112	GLTV5.50/11.25, HB5.50/11.25, HWU5.50/11.25	x	7	5-1/2	11-1/4	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH55112	-- --	x	7	5-9/16	11-1/4	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
5-1/4 x 11-7/8	BPH55118	-- --	x	12	5-9/16	11-7/8	2-1/2	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1220	10, R14
	PHM55118	-- --	x	7/10	5-5/8	11-7/8	2-1/2	7	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	10, F16, R14
	PHXU55118	GLTV5.511, HB5.50/11.88, HWU5.50/11.88	x	7	5-1/2	11-7/8	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH55118	HGLTV5.511	x	7	5-9/16	11-7/8	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
	MPH55118	WM5.50/11.88	x	12	5-5/8	11-7/8	2-1/2	7	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
5-1/4 x 12	PHXU5512	HB5.50/12	x	7	5-1/2	12	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH5512	-- --	x	7	5-9/16	12	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
5-1/4 x 14	BPH5514	-- --	x	12	5-9/16	14	2-1/2	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1220	10, R14
	PHM5514	-- --	x	7/10	5-5/8	14	2-1/2	7	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	10, F16, R14
	PHXU5514	GLTV5.514, HB5.50/14, HWU5.50/14	x	7	5-1/2	14	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH5514	HGLTV5.514	x	7	5-9/16	14	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
5-1/4 x 16	BPH5516	LBV5.12/16	x	12	5-9/16	16	2-1/2	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1220	10, R14
	PHM5516	-- --	x	7/10	5-5/8	16	2-1/2	7	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	10, F16, R14
	PHXU5516	GLTV5.516, HB5.50/16, HWU5.50/16	x	7	5-1/2	16	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH5516	HGLTV5.516	x	7	5-9/16	16	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
5-1/4 x 18	BPH5518	-- --	x	12	5-9/16	18	2-1/2	--	2-1/32	10	16d	6	10d	--	3430	3510	3775	3430	3280	--	1220	10, R14
	PHM5518	-- --	x	7/10	5-5/8	18	2-1/2	7	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	10, F16, R14
	PHXU5518	GLTV5.518, HB5.50/18	x	7	5-1/2	18	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH5518	HGLTV5.518	x	7	5-9/16	18	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
5-1/4 x 20	PHXU5520	HB5.50/20	x	7	5-1/2	20	3-1/4	11-1/2	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH5520	-- --	x	7	5-9/16	20	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10565	9600	9600	8915	--	1605	10, F16, R14
7 x 7-1/4	PHXU71725	-- --	x	7	7-1/8	7-1/4	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	130
7 x 9-1/4	BPH71925	-- --	x	12	7-1/8	9-1/4	3	--	2-3/8	10	16d	6	10d	--	3485	3510	3775	3485	3280	--	1220	10, F16, R14
	PHM35925-2	-- --	x	7/10	7-1/8	9-1/4	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	
	PHXU71925	HB7.12/9.25, WPI49.25-2	x	7	7-1/8	9-1/4	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH71925	-- --	x	7	7-1/8	9-1/4	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 9-1/2	BPH7195	B7.12/9.5	x	12	7-1/8	9-1/2	3	--	2-3/8	10	16d	6	10d	--	3485	3510	3775	3485	3280	--	1220	10, F16, R14
	PHM3595-2	-- --	x	7/10	7-1/8	9-1/2	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	
	PHXU7195	GLTV49.5-2, HB7.12/9.5, WPI49.5-2	x	7	7-1/8	9-1/2	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7195	-- --	x	7	7-1/8	9-1/2	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
	MPH3595-2	WMI49.5-2	x	12	7-1/8	9-1/2	2-1/2	8	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
7 x 11-1/4	BPH71112	-- --	x	12	7-1/8	11-1/4	3	--	2-3/16	10	16d	6	10d	--	3455	3515	3775	3455	3280	--	1220	10, F16, R14
	PHXU71112	GLTV411.25-2, HB7.12/11.25	x	7	7-1/8	11-1/4	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH71112	HGLTV411.25-2	x	7	7-1/8	11-1/4	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
	MPH35112-2	WMI411.25-2	x	12	7-1/8	11-1/4	2-1/2	8	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5

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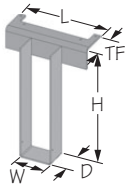
EWP Top Mount Hanger Charts continued

Joist Size	USP Stock No.	Ref. No.	Web Stiffener Reqd.	Steel Gauge	Dimensions					Fastener Schedule[2,3,4,8]				100% Allowable Loads (Lbs.)[1,5,7]							DF-L/SP Uplift[6]	Code Ref.
										Header		Joist		Header Material								
					W	H	D	L	TF	Qty	Type	Qty	Type	DF-L / SP I-Joist [9]	LVL	PSL	LSL	DF-L / SP	SPF	Masonry	160%	
7 x 11-7/8	BPH71118	B7.12/11.88	x	12	7-1/8	11-7/8	3	--	2-3/16	10	16d	6	10d	--	3455	3515	3775	3455	3280	--	1220	10, F16, R14
	PHM35118-2	-- --	x	7/10	7-1/8	11-7/8	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	
	PHXU71118	GLTV411.88-2, HB7.12/11.88, HWU7.12/11.88, WPI411.88-2	x	7	7-1/8	11-7/8	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH71118	HGLTV411.88-2	x	7	7-1/8	11-7/8	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
	MPH35118-2	WMI411.88-2	x	12	7-1/8	11-7/8	2-1/2	8	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
7 x 14	BPH7114	B7.12/14	x	12	7-1/8	14	3	--	2-3/16	10	16d	6	10d	--	3455	3515	3775	3455	3280	--	1220	10, F16, R14
	PHM3514-2	-- --	x	7/10	7-1/8	14	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	
	PHXU7114	GLTV414-2, HB7.12/14, WPI414-2	x	7	7-1/8	14	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7114	HGLTV414-2	x	7	7-1/8	14	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
	MPH3514-2	WMI414-2	x	12	7-1/8	14	2-1/2	8	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
7 x 16	BPH7116	B7.12/16	x	12	7-1/8	16	3	--	2-3/16	10	16d	6	10d	--	3455	3515	3775	3455	3280	--	1220	10, F16, R14
	PHM3516-2	-- --	x	7/10	7-1/8	16	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	
	PHXU7116	GLTV416-2, HB7.12/16, WPI416-2	x	7	7-1/8	16	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7116	HGLTV416-2	x	7	7-1/8	16	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
	MPH3516-2	WMI416-2	x	12	7-1/8	16	2-1/2	8	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
7 x 18	BPH7118	B7.12/18	x	12	7-1/8	18	3	--	2-3/16	10	16d	6	10d	--	3455	3515	3775	3455	3280	--	1220	10, F16, R14
	PHM3518-2	-- --	x	7/10	7-1/8	18	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	
	PHXU7118	GLTV418-2, HB7.12/18, HWI418-2	x	7	7-1/8	18	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7118	HGLTV418-2	x	7	7-1/8	18	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
	MPH3518-2	WMI418-2	x	12	7-1/8	18	2-1/2	8	3-3/4	2	16d duplex	2	10d	--	--	--	--	--	--	4280	--	5, F30, R5
7 x 20	BPH7120	B7.12/20	x	12	7-1/8	20	3	--	2-3/16	10	16d	6	10d	--	3455	3510	3775	3455	3280	--	1220	10, F16, R14
	PHM3520-2	-- --	x	7/10	7-1/8	20	2-1/2	10	3	2	16d	2	10d	--	3745	3665	3080	3390	3390	--	--	10, R14
	PHXU7120	GLTV420-2, HB7.12/20	x	7	7-1/8	20	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7120	-- --	x	7	7-1/8	20	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 22	BPH7122	B7.12/22	x	12	7-1/8	22	3	--	2-3/16	10	16d	6	10d	--	3455	3510	3775	3455	3280	--	1220	10, F16, R14
	PHXU7122	HWI422-2	x	7	7-1/8	22	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7122	GLTV422-2, HB7.12/22, HGLTV7.12/22	x	7	7-1/8	22	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 24	BPH7124	B7.12/24	x	12	7-1/8	24	3	--	2-3/16	10	16d	6	10d	--	3455	3510	3775	3455	3280	--	1220	10, F16, R14
	PHXU7124	HWI424-2	x	7	7-1/8	24	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7124	GLTV424-2, HB7.12/24, HGLTV7.12/24	x	7	7-1/8	24	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 26	PHXU7126	B7.12/26, HB7.12/26, HWI426-2	x	7	7-1/8	26	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7126	GLTV426-2, HB7.12/26	x	7	7-1/8	26	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 28	PHXU7128	B7.12/28, HB7.12/28, HWI428-2	x	7	7-1/8	28	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7128	GLTV428-2, HB7.12/28	x	7	7-1/8	28	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 30	PHXU7130	HWI430-2	x	7	7-1/8	30	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	8, F14, R9
	HLBH7130	GLTV430-2, HGLTV430-2	x	7	7-1/8	30	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, F16, R14
7 x 32	PHXU7132	HWI432-2	x	7	7-1/8	32	3-1/4	13-1/8	2-1/2	8	16d	6	10d	--	6650	5785	6650	5285	3590	--	1290	130
	HLBH7132	GLTV432-2, HGLTV432-2	x	7	7-1/8	32	6	12	3-1/8	15	NA16D-RS	6	16d	--	10620	10370	9600	9600	8915	--	1605	10, R14

1) When I-joist is used as a header, all nails must be 10d x 1-1/2.
2) 10d x 1-1/2 nails are 9 gauge (0.148″ diameter) by 1-1/2″ long.
3) Duplex nails are No. 8 wire gauge (0.162″ diameter) and 3-1/2″ long, double headed nails.
4) NA16D-RS nails are 9 gauge (0.148″ diameter) by 3-1/2″ long, hardened ring shank nails.
5) Masonry compressive strength shall be minimum 1500 psi for MPH hangers.
6) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted
7) Some listed loads may be increased for short-term loading. Refer to code evaluation reports for USP Structural Connectors for details.
8) Minimum nail penetration shall be 1-1/2″ for 10d nails and 1-5/8″ for 16d nails.
9) When I-Joists with flanges less than 1-1/2″ thick are used as headers, the published capacity shall be reduced. Contact USP for additional information.

Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.



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