

Joist Size (in)	MiTek Stock No.	Ref. No.	Web Stiff Reqd	Ga	Dimensions (in)					Min/ Max	Fastener Schedule ⁵					Allowable Loads Header Type (Lbs.) ^{1,3}								Code Ref.
					W	H	D	L	TF		Header			Joist		Download 100%						Uplift ²		
											Top Qty	Face Qty	Type	Qty	Type	LVL	PSL	LSL	SPF	I-Joist ⁴	DF/SP	DF/SP 160%		
4-1/2 - 4-5/8 x 18	TH023180-2	--	x	12	4-3/4	18	3	--	2-1/8	--	4	10	16d	6	10d	5660	5760	5760	3720	2630	5000	1145	IBC, FL, LA	
	BPHA2318-2	BA4.75/18		12	4-3/4	17-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
	PHM2318-2	WP4.75 H=18	x	7/10	4-3/4	18	2-1/2	7	3	Max	8			8					4180	--		1665		
4-1/2 - 4-5/8 x 20	TH023200-2	--	x	12	4-3/4	20	3	--	2-1/8	--	4	10	16d	6	10d	5660	5760	5760	3720	2630	5000	1145		
	BPHA2320-2	BA4.75/20		12	4-3/4	19-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
	PHM2320-2	WP4.75 H=20	x	7/10	4-3/4	20	2-1/2	7	3	Max	8			8					4180	--		1665		
5 x 9-1/4	TH025925-2	--	x	12	5-1/8	9-1/4	3	--	2-11/16	--	4	6	16d	6	10d	3640	3640	3640	2790	2630	3640	1145		
5 x 9-1/2	TH025950-2	MIT39.5-2	x	12	5-1/8	9-1/2	3	--	2-1/8	--	4	6	16d	6	10d	3640	3640	3640	2790	2630	3640	1145		
	PHM2595-2	WP5.12 H=9.5	x	7/10	5-1/8	9-1/2	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 11-1/4	TH025112-2	--	x	12	5-1/8	11-1/4	3	--	2-1/8	--	4	6	16d	6	10d	3640	3640	3640	2790	2630	3640	1145		
5 x 11-7/8	TH025118-2	MIT311.88-2, WP5.12 H=11.875	x	12	5-1/8	11-7/8	3	--	2-1/8	--	4	6	16d	6	10d	3640	3640	3640	2790	2630	3640	1145		
5 x 14	TH025140-2	MIT314-2	x	12	5-1/8	14	3	--	2-1/8	--	4	8	16d	6	10d	4420	4420	4420	3390	2630	4420	1145		
	PHM2514-2	WP5.12 H=14	x	7/10	5-1/8	14	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 16	TH025160-2	MIT5.12/16	x	12	5-1/8	16	3	--	2-1/8	--	4	8	16d	6	10d	4420	4420	4420	3390	2630	4420	1145		
	HBPH5116	HB5.12/16	x	10	5-1/8	16	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHM2516-2	WP5.12 H=16	x	7/10	5-1/8	16	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 18	TH025180-2	--	x	12	5-1/8	18	3	--	2-1/8	--	4	10	16d	6	10d	5660	5760	5760	3720	2630	5000	1145		
	HBPH5118	HB5.12/18	x	10	5-1/8	18	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHM2518-2	WP5.12 H=18	x	7/10	5-1/8	18	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 20	TH025200-2	--	x	12	5-1/8	20	3	--	2-1/8	--	4	10	16d	6	10d	5660	5760	5760	3720	2630	5000	1145		
	HBPH5120	HB5.12/20	x	10	5-1/8	20	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHM2520-2	WP5.12 H=20	x	7/10	5-1/8	20	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 22	HBPH5122	HB5.12/22	x	10	5-1/8	22	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHM2522-2	WP5.12 H=22	x	7/10	5-1/8	22	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 24	HBPH5124	HB5.12/24	x	10	5-1/8	24	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHM2524-2	WP5.12X H=24	x	7/10	5-1/8	24	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 26	HBPH5126	HB5.12/26	x	10	5-1/8	26	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHM2526-2	WP5.12 H=26	x	7/10	5-1/8	26	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
5 x 28	HBPH5128	HB5.12/28	x	10	5-1/8	28	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
5 x 30	HBPH5130	--	x	10	5-1/8	30	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
5-1/4 x 7-1/4	HBPH55725	--	x	10	5-1/2	7-1/4	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	BPHA55725	--		12	5-9/16	7-3/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245		
5-1/4 x 9-1/4	BPHA55925	BA5.12/9.25		12	5-9/16	9-3/16	3	--	2-7/16	Max	8			8					4175	--		1665		
	HBPH55925	HB5.50/9.25	x	10	5-1/2	9-1/4	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHXU55925	HWP5.37 H=9.25, HWP5.37 H=9.25	x	7	5-1/2	9-1/4	3-1/4	11-1/2	3	--	4	4	16d	6	10d	5910	5910	5910	4530	--	5910	1120		
	HLBH55925	HGLTV5.37 H=9.25	x	7	5-9/16	9-1/4	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7680	--	10045	1580		
5-1/4 x 9-1/2	BPHA5595	BA5.12/9.5		12	5-9/16	9-7/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245		
	HBPH5595	HB5.50/9.5	x	10	5-1/2	9-1/2	3-1/2	--	3	Max	8			8					4175	--		1665		
	PHM5595	--	x	7/10	5-5/8	9-1/2	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
	PHXU5595	HWP5.37 H=9.5, HWP5.37 H=9.5	x	7	5-1/2	9-1/2	3-1/4	11-1/2	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4530	--	5910	1120		
	HLBH5595	HGLTV5.37 H=9.5	x	7	5-9/16	9-1/2	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7680	--	10045	1580		
5-1/4 x 11-1/4	HBPH55112	HB5.50/11.25	x	10	5-1/2	11-1/4	3-1/2	--	3	--	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705		
	PHXU55112	HWP5.37 H=11.25, HWP5.37 H=11.25	x	7	5-1/2	11-1/4	3-1/4	11-1/2	2-1/2	--	4	4	16d	6	10d	5910	5910	5910	4530	--	5910	1120		
	HLBH55112	HGLTV5.37 H=11.25	x	7	5-9/16	11-1/4	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7680	--	10045	1580		
5-1/4 x 11-1/2	HLBH55115	--	x	7	5-9/16	11-1/2	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7680	--	10045	1580		
5-1/4 x 11-7/8	BPHA55118	BA5.12/11.88		12	5-9/16	11-13/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4145	--	5270	245		
	HBPH55118	HB5.50/11.88	x	10	5-1/2	11-7/8	3-1/2	--	3	Max	8			8					4175	--		1665		
	PHM55118	--	x	7/10	5-5/8	11-7/8	2-1/2	7	3	--	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--		
	PHXU55118	HWP5.37 H=11.875, HWP5.37 H=11.875	x	7	5-1/2	1																		

1) When I-joist is used as a header, all header nails must be 10d (0.148") x 1-1/2.
2) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted
3) Some listed loads may be increased for short-term loading. Refer to MiTek code evaluation reports for details.
4) The reduction factors for I-Joist headers with 1-1/4" thick flanges is 0.69 and 0.84 for 1-3/8" flange.
5) **NAILS:** 10d nails are 0.148" dia. x 3" long, NA16D-RS nails are 0.148" x 3-1/2" long, 16d nails are 0.162" dia. x 3-1/2" long.
Vertical downward loads address hanger/header/fastener limitations only. Refer to the EWP manufacturer for joist limitations.