

Joist Size (in)	MiTek Stock No.	Ref. No.	Web Stiff Req'd	Ga	Dimensions (in)					Fastener Schedule ⁵					Allowable Loads Header Type (Lbs.) ^{1,3}						
					W	H	D	L	TF	Header			Joist		Download 100%					Uplift ²	
										Top Qty	Face Qty	Type	Qty	Type	LVL	PSL	LSL	SPF	DF I-Joist ⁴		DF/SP 160%
4 - 4-3/16 x 16	THO20160-2	BA4.12/16	x	12	4-3/16	16	3	--	1-15/16	4	6	16d	6	10d	3640	3640	3640	2800	2630	3640	1145
	PHM4216	WP4.12 H=16	x	7/10	4-3/16	16	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4-1/2 - 4-5/8 x 9-1/2	THO23950-2	MIT4.28/9.5, BA4.28/9.5	x	12	4-3/4	9-1/2	3	--	2	4	6	16d	6	10d	3640	3640	3640	2790	2630	3640	1145
	PHM2395-2	WP4.28X H=9.5	x	7/10	4-3/4	9-1/2	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4-1/2 - 4-5/8 x 11-7/8	THO23118-2	MIT4.28/11.88, BA4.28/11.88	x	12	4-3/4	11-7/8	3	--	2-1/8	4	6	16d	6	10d	3640	3640	3640	2795	2630	3640	1145
	PHM23118-2	WP4.28X H=11.875	x	7/10	4-3/4	11-7/8	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4-1/2 - 4-5/8 x 14	THO23140-2	MIT4.28/14, BA4.28/14	x	12	4-3/4	14	3	--	2-1/8	4	8	16d	6	10d	4420	4420	4420	3390	2630	4420	1145
4-1/2 - 4-5/8 x 16	THO23160-2	BA4.28/16	x	12	4-3/4	16	3	--	2-1/8	4	8	16d	6	10d	4420	4420	4420	3390	2630	4420	1145
	PHM2316-2	WP4.28X H=16	x	7/10	4-3/4	16	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4-1/2 - 4-5/8 x 18	THO23180-2	BA4.75/18	x	12	4-3/4	18	3	--	2-1/8	4	10	16d	6	10d	5660	5760	5760	3720	2630	5000	1145
	PHM2318-2	WP4.75 H=18	x	7/10	4-3/4	18	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4-1/2 - 4-5/8 x 20	THO23200-2	BA4.75/20	x	12	4-3/4	20	3	--	2-1/8	4	10	16d	6	10d	5660	5760	5760	3720	2630	5000	1145
	PHM2320-2	WP4.75 H=20	x	7/10	4-3/4	20	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
5 x 9-1/4	THO25925-2	BA5.12/9.25	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	THO25950-2	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	THO25112-2	--	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	THO25118-2	MIT311.88-2, BA5.12/11.88, 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
	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 14	THO25140-2	MIT314-2, BA5.12/14	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	THO25160-2	MIT5.12/16, BA5.12/16	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	THO25180-2	BA5.12/18	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	THO25200-2	BA5.12/20	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	BPH55725	--	x	10	5-9/16	7-1/4	2-1/4	--	2-1/2	4	6	16d	6	10d	3065	3065	3065	2340	--	3065	850
	HBPH55725	--	x	10	5-1/2	7-1/4	3-1/2	--	3	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705
5-1/4 x 9-1/4	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	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7680	--	10045	1580
5-1/4 x 9-1/2	BPH5595	--	x	12	5-9/16	9-1/2	3	--	2-5/32	4	6	16d	4	10d	3065	3065	3065	2340	--	3065	850
	HBPH5595	HB5.50/9.5	x	10	5-1/2	9-1/2	3-1/2	--	3	6	16	16d	10	16d	6185	6185	6185	4910	--	6185	2705
	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	3-1/8	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	3-1/8	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	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7680	--	10045	1580

1) When I-joist is used as a header, all nails must be 10d 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) When I-Joists with flanges less than 1-1/2" thick are used as headers, the reduction factor for 1-1/4" flange 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.
Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.