

Joist Size (in)	MiTek USP 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%
3-1/2 x 18	TFI418	HIT418, MIT418	--	16	3-9/16	18	2-1/2	--	2-1/8	4	2	16d	2	10d x 1-1/2	2715	2715	2715	2075	--	2715	215
	BPH3518	BA3.56/18	x	12	3-9/16	18	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3518	HB3.56/18	x	10	3-9/16	18	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3518	WP3.56 H=18	x	7/10	3-5/8	18	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3518	HWP3.56 H=18, HWP3.56 H=18	x	7	3-9/16	18	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
	HLBH3518	HGLTV4 H=18, HGLTV3.518	x	7	3-5/8	18	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420
3-1/2 x 20	TFI420	HIT420, MIT420	--	16	3-9/16	20	2-1/2	--	2-1/8	4	2	16d	2	10d x 1-1/2	2715	2715	2715	2075	--	2715	215
	BPH3520	BA3.56/20	x	12	3-9/16	20	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3520	HB3.56/20	x	10	3-9/16	20	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3520	WP3.56 H=20	x	7/10	3-5/8	20	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3520	HWP3.56 H=20, HWP3.56 H=20	x	7	3-9/16	20	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
	HLBH3520	HGLT4 H=20	x	7	3-5/8	20	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420
3-1/2 x 22	TFI422	HIT422	--	16	3-9/16	22	2-1/2	--	2-1/8	4	6	16d	2	10d x 1-1/2	2820	2820	2820	2480	--	2820	215
	BPH3522	BA3.56/22	x	12	3-9/16	22	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3522	HB3.56/22	x	10	3-9/16	22	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3522	WP3.56 H=22	x	7/10	3-5/8	22	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3522	HWP3.56 H=22, HWP3.56 H=22	x	7	3-9/16	22	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
3-1/2 x 24	TFI424	HIT424	--	16	3-9/16	24	2-1/2	--	2-1/8	4	6	16d	2	10d x 1-1/2	2820	2820	2820	2480	--	2820	215
	BPH3524	BA3.56/24	x	12	3-9/16	24	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3524	HB3.56/24	x	10	3-9/16	24	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3524	WP3.56 H=24	x	7/10	3-5/8	24	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3524	HWP3.56 H=24, HWP3.56 H=24	x	7	3-9/16	24	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
3-1/2 x 26	TFI426	--	--	16	3-9/16	26	2-1/2	--	2-1/8	4	6	16d	2	10d x 1-1/2	2820	2820	2820	2480	--	2820	215
	BPH3526	BA3.56/26	x	12	3-9/16	26	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3526	HB3.56/26	x	10	3-9/16	26	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3526	WP3.56 H=26	x	7/10	3-5/8	26	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3526	HWP3.56 H=26, HWP3.56 H=26	x	7	3-9/16	26	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
3-1/2 x 28	BPH3528	BA3.56/28	x	12	3-9/16	28	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3528	HB3.56/28	x	10	3-9/16	28	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3528	WP3.56 H=28	x	7/10	3-5/8	28	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3528	HWP3.56 H=28, HWP3.56 H=28	x	7	3-9/16	28	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
3-1/2 x 30	BPH3530	BA3.56/30	x	12	3-9/16	30	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3530	HB3.56/30	x	10	3-9/16	30	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3530	WP3.56 H=30	x	7/10	3-5/8	30	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3530	HWP3.56 H=30, HWP3.56 H=30	x	7	3-9/16	30	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
3-1/2 x 32	BPH3532	--	x	12	3-9/16	32	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	PHM3532	--	x	7/10	3-5/8	32	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3532	--	x	7	3-9/16	32	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
4 - 4-3/16 x 9-1/2	THO20950-2	MIT4.12/9.5, BA4.12/9.5	x	16	4-3/16	9-1/2	3	--	2	4	6	16d	6	10d	2920	2920	2920	2245	2630	2920	1135
	PHM4295	WP4.12 H=9.5	x	7/10	4-3/16	9-1/2	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4 - 4-3/16 x 11-7/8	THO20118-2	MIT4.12/11.88, BA4.12/11.88	x	16	4-3/16	11-7/8	3	--	2	4	6	16d	6	10d	2920	2920	2920	2245	2630	2920	1135
	PHM42118	WP4.12 H=11.875	x	7/10	4-3/16	11-7/8	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--
4 - 4-3/16 x 14	THO20140-2	BA4.12/14	x	12	4-3/16	14	3	--	1-15/16	4	6	16d	6	10d	3640	3640	3640	2800	2630	3640	1145
	PHM4214	WP4.12 H=14	x	7/10	4-3/16	14	2-1/2	7	3	2	--	16d	2	10d	3265	3265	3265	2480	--	3265	--

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 x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 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.