

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%	
3 x 14	BPH3114	--	x	12	3-1/8	14	3	--	2-3/32	4	6	16d	4	10d	3055	3055	3055	2345	--	3055	850
	PHXU3114	--	x	7	3-1/8	14	3-1/4	10	2-1/2	4	4	16d	6	10d x 1-1/2	5370	5370	5370	4120	--	5370	870
3-1/2 x 7-1/4	PHXU35725	--	x	7	3-9/16	7-1/4	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
3-1/2 x 9-1/4	THO35925	ITS3.56/9.25	--	16	3-9/16	9-1/4	2-3/8	--	2-1/2	4	6	10d	2	10d x 1-1/2	2370	2370	2370	2370	2050	2370	230
	BPH35925	BA3.56/9.25	x	12	3-9/16	9-1/4	2-3/8	--	2-3/8	4	6	16d	4	10d	3100	3100	3100	2380	--	3100	850
	HBPH35925	HB3.56/9.25	x	10	3-9/16	9-1/4	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM35925	WP3.56 H=9.25	x	7/10	3-5/8	9-1/4	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU35925	HWP3.56 H=9.25	x	7	3-9/16	9-1/4	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
	HLBH35925	HGLTV3.56/9.25	x	7	3-5/8	9-1/4	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420
3-1/2 x 9-3/8	THO35938	--	--	16	3-9/16	9-3/8	2-3/8	--	2-9/16	4	6	10d	2	10d x 1-1/2	2370	2370	2370	2215	2050	2370	230
3-1/2 x 9-1/2	THO35950	ITS3.56/9.5	--	16	3-9/16	9-1/2	2-3/8	--	2-7/16	4	6	10d	2	10d x 1-1/2	2370	2370	2370	2370	2050	2370	230
	THO17950-2	MIT49.5	x	16	3-9/16	9-1/2	2-3/8	--	1-9/16	4	6	16d	6	10d	2920	2920	2920	1955	2630	2630	1135
	BPH3595	BA3.56/9.5	x	12	3-9/16	9-1/2	2-3/8	--	2-3/8	4	6	16d	4	10d	3100	3100	3100	2380	--	3100	850
	HBPH3595	HB3.56/9.5	x	10	3-9/16	9-1/2	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3595	WP3.56 H=9.5	x	7/10	3-5/8	9-1/2	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3595	HWP3.56 H=9.5	x	7	3-9/16	9-1/2	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
HLBH3595	HGLTV3.59	x	7	3-5/8	9-1/2	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420	
3-1/2 x 11-1/4	THO35112	--	--	16	3-9/16	11-1/4	2-3/8	--	2-1/2	4	6	10d	2	10d x 1-1/2	2370	2370	2370	2370	2050	2370	230
	BPH35112	BA3.56/11.25	x	12	3-9/16	11-1/4	2-3/8	--	2-3/8	4	6	16d	4	10d	3100	3100	3100	2380	--	3100	850
	HBPH35112	HB3.56/11.25	x	10	3-9/16	11-1/4	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHXU35112	WP3.56 H=11.25, HWP3.56 H=11.25	x	7	3-9/16	11-1/4	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
	HLBH35112	HGLTV3.56/11.25	x	7	3-5/8	11-1/4	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420
3-1/2 x 11-7/8	THO35118	ITS3.56/11.88	--	18	3-9/16	11-7/8	2-3/8	--	2-1/2	4	6	10d	2	10d x 1-1/2	2525	2525	2525	2265	2050	2525	230
	THO17118-2	MIT411.88	x	16	3-9/16	11-7/8	2-3/8	--	1-9/16	4	6	16d	6	10d	2740	2860	2920	1815	2430	2430	1135
	BPH35118	BA3.56/11.88	x	12	3-9/16	11-7/8	2-3/8	--	2-3/8	4	6	16d	4	10d	3100	3100	3100	2380	--	3100	850
	HBPH35118	HB3.56/11.88	x	10	3-9/16	11-7/8	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM35118	WP3.56 H=11.875	x	7/10	3-5/8	11-7/8	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU35118	HWP3.56 H=11.875, HWP3.56 H=11.875	x	7	3-9/16	11-7/8	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
	HLBH35118	HGLT4 H=11.875, HGLTV3.511	x	7	3-5/8	11-7/8	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420
3-1/2 x 12	THO35120	--	--	18	3-9/16	12	2-3/8	--	2-1/2	4	6	10d	2	10d x 1-1/2	2525	2525	2525	2265	2050	2525	230
	BPH3512	--	x	12	3-9/16	12	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3512	HB3.56/12	x	10	3-9/16	12	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHXU3512	--	x	7	3-9/16	12	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
	HLBH3512	HGLTV3.512	x	7	3-5/8	12	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420
3-1/2 x 13	THO35130	--	--	18	3-9/16	13	2-3/8	--	2-1/2	4	6	10d	2	10d x 1-1/2	2525	2525	2525	2265	2050	2525	230
3-1/2 x 14	THO35140	ITS3.56/14	--	18	3-9/16	14	2-3/8	--	2-1/2	4	8	10d	2	10d x 1-1/2	2400	2400	2400	1835	2400	2400	230
	TFI414	MIT414	--	16	3-9/16	14	2-1/2	--	2-1/8	4	2	16d	2	10d x 1-1/2	2715	2715	2715	2075	--	2715	215
	BPH3514	BA3.56/14	x	12	3-9/16	14	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3514	HB3.56/14	x	10	3-9/16	14	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3514	WP3.56 H=14	x	7/10	3-5/8	14	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3514	HWP3.56 H=14, HWP3.56 H=14	x	7	3-9/16	14	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
HLBH3514	HGLT4 H=14, HGLTV3.514	x	7	3-5/8	14	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420	
3-1/2 x 16	THO35160	ITS3.56/16	--	18	3-9/16	16	2-3/8	--	2-1/2	4	8	10d	2	10d x 1-1/2	2400	2400	2400	1835	2400	2400	230
	TFI416	MIT416	--	16	3-9/16	16	2-1/2	--	2-1/8	4	2	16d	2	10d x 1-1/2	2715	2715	2715	2075	--	2715	215
	BPH3516	BA3.56/16	x	12	3-9/16	16	2-3/4	--	3	4	6	16d	6	10d	3050	3050	3050	2345	--	3050	1140
	HBPH3516	HB3.56/16	x	10	3-9/16	16	3-1/2	--	3	6	16	16d	10	16d	6310	6310	6310	5035	--	6310	2705
	PHM3516	WP3.56 H=16	x	7/10	3-5/8	16	2-1/2	7	3	2	--	16d	2	10d	3335	3335	3335	2535	--	3335	--
	PHXU3516	HWP3.56 H=16, HWP3.56 H=16	x	7	3-9/16	16	3-1/4	10	2-1/2	4	4	16d	6	10d	5910	5910	5910	4535	--	5910	1120
HLBH3516	HGLTV4 H=16, HGLTV3.516	x	7	3-5/8	16	6	12	3-1/8	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420	

1) When I-joint 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.