

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}							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%	
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	IBC, FL, LA
	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	2-3/4	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	2-3/4	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	2-3/4	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	2-3/4	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	2-3/4	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420		
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	2-3/4	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420	

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 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.