

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%		
3 x 9-1/2	TH015950-2	--	x	16	3-1/16	9-1/2	2-3/8	--	1-1/2	--	4	6	16d	6	10d	2525	2525	2525	1905	2525	2525	1135	IBC, FL, LA	
	BPHA3195	--		12	3-1/8	9-7/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4090	--	5270	245		
										Max				8					4200	--		1665		
PHXU3195	--	x	7	3-1/8	9-1/2	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	5370	5370	5370	4120	--	5370	870			
3 x 11-1/4	BPHA31112	--		12	3-1/8	11-3/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4090	--	5270	245		
										Max				8					4200	--		1665		
	PHXU31112	--	x	7	3-1/8	11-1/4	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	5370	5370	5370	4120	--	5370	870		
3 x 11-7/8	TH015118-2	--	x	16	3-1/16	11-7/8	2-3/8	--	1-1/2	--	4	6	16d	6	10d	2525	2525	2525	1890	2525	2525	1135		
	BPHA31118	--		12	3-1/8	11-13/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4090	--	5270	245		
										Max				8					4200	--		1665		
PHXU31118	--	x	7	3-1/8	11-7/8	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	5370	5370	5370	4120	--	5370	870			
3 x 14	BPHA3114	--		12	3-1/8	13-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4090	--	5270	245		
										Max				8					4200	--		1665		
	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	TH035925	--	--	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		
	BPHA35925	BA3.56/9.25		12	3-9/16	9-3/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
										Max				8					4190	--		1665		
	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	--	x	7	3-5/8	9-1/4	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420			
3-1/2 x 9-3/8	TH035938	--	--	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	TH035950	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		
	TH017950-2	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		
	BPHA3595	BA3.56/9.5		12	3-9/16	9-7/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
										Max				8					4190	--		1665		
	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	--	x	7	3-5/8	9-1/2	6	12	2-3/4	--	3	12	NA16D-RS	6	16d	10045	10045	10045	7705	--	10045	1420			
3-1/2 x 10-1/2	BPHA3510	BA3.56/10.5		12	3-9/16	9-15/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
									Max	8				4190					--	1665				
3-1/2 x 11-1/4	TH035112	--	--	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		
	BPHA35112	BA3.56/11.25		12	3-9/16	11-3/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
										Max				8					4190	--		1665		
	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	--	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	TH035118	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		
	TH017118-2	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		
	BPHA35118	BA3.56/11.88		12	3-9/16	11-13/16	3	--	2-7/16	Min	6	8	16d	2	10d x 1-1/2	5270	5270	5270	4150	--	5270	245		
										Max				8					4190	--		1665		
	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			

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.

Vertical downward loads address hanger/header/fastener limitations only. Refer to the EWP manufacturer for joist limitations.