

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 160%	DF/SP		
1-1/2 x 9-1/4	TH015925	--	--	18	1-9/16	9-1/4	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	955	1005	1235	230	IBC, FL, LA	
	BPHA15925	--		12	1-9/16	9-1/8	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	3675 4565	3675 4565	3675 4565	2175 2965	-- --	3110 4005	245 1665		
1-1/2 x 9-1/2	TH015950	--	--	18	1-1/2	9-1/2	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	955	1090	1235	230		
	BPHA1595	BA1.56/9.5		12	1-9/16	9-7/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	3675 4565	3675 4565	3675 4565	2175 2965	-- --	3110 4005	245 1665		
1-1/2 x 11-1/4	BPHA15112	--		12	1-9/16	11-3/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	3675 4565	3675 4565	3675 4565	2175 2965	-- --	3110 4005	245 1665		
1-1/2 x 11-7/8	TH015118	ITS1.56/11.88	--	18	1-1/2	11-7/8	2	--	1-9/16	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	955	1205	1235	230		
	BPHA15118	BA1.56/11.88		12	1-9/16	11-13/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	3675 4565	3675 4565	3675 4565	2175 2965	-- --	3110 4005	245 1665		
1-1/2 x 14	TH015140	--	--	16	1-9/16	14	2-3/8	--	1-1/2	--	4	6	10d	2	10d x 1-1/2	1235	1235	1235	950	1030	1235	230		
	BPHA1514	--		12	1-9/16	13-15/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	3675 4565	3675 4565	3675 4565	2175 2965	-- --	3110 4005	245 1665		
1-5/8 x 9-1/2	TH016950	--	--	18	1-11/16	9-1/2	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	955	1005	1235	230		
1-5/8 x 11-1/4	TH016112	--	--	16	1-11/16	11-1/4	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	955	1030	1235	230		
1-5/8 x 11-7/8	TH016118	--	--	16	1-11/16	11-7/8	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	955	1030	1235	230		
1-5/8 x 14	TH016140	--	--	16	1-11/16	14	3	--	1-3/4	--	4	6	10d	2	10d x 1-1/2	2370	2370	2370	2185	1030	2370	230		
1-3/4 x 7-1/4	PHXU17725	WP1.81 H=7.25	x	7	1-13/16	7-1/4	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	4350	4350	4350	3245	--	4350	930		
	BPHA17725	BA1.81/7.25		12	1-13/16	7-3/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	4235 5130	4235 5130	4235 5130	2495 3285	-- --	3580 4475	245 1665		
1-3/4 x 9-1/4	BPHA17925	BA1.81/9.25		12	1-13/16	9-3/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	4235 5130	4235 5130	4235 5130	2495 3285	-- --	3580 4475	245 1665		
	PHM17925	WP1.81 H=9.25	x	7/10	1-13/16	9-1/4	2-1/2	7	3	--	2	--	16d	2	10d x 1-1/2	3335	3335	3335	2140	--	3060	--		
	PHXU17925	--	x	7	1-13/16	9-1/4	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	4350	4350	4350	3245	--	4350	930		
1-3/4 x 9-1/2	TH017950	ITS1.81/9.5	--	18	1-3/4	9-1/2	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	950	1235	1235	230		
	BPHA1795	BA1.81/9.5, MIT9.5		12	1-13/16	9-7/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	4235 5130	4235 5130	4235 5130	2495 3285	-- --	3580 4475	245 1665		
	PHM1795	WP1.81 H=9.5	x	7/10	1-13/16	9-1/2	2-1/2	7	3	--	2	--	16d	2	10d x 1-1/2	3335	3335	3335	2140	--	3060	--		
	PHXU1795	--	x	7	1-13/16	9-1/2	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	4350	4350	4350	3245	--	4350	930		
1-3/4 x 11-1/4	BPHA17112	BA1.81/11.25		12	1-13/16	11-3/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	4235 5130	4235 5130	4235 5130	2495 3285	-- --	3580 4475	245 1665		
	PHM17112	WP1.81 H=11.25	x	7/10	1-13/16	11-1/4	2-1/2	7	3	--	2	--	16d	2	10d x 1-1/2	3335	3335	3335	2140	--	3060	--		
	PHXU17112	--	x	7	1-13/16	11-1/4	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	4350	4350	4350	3245	--	4350	930		
1-3/4 x 11-7/8	TH017118	ITS1.81/11.88	--	18	1-3/4	11-7/8	2	--	1-9/16	--	4	2	10d	2	10d x 1-1/2	1235	1235	1235	950	1235	1235	230		
	BPHA17118	BA1.81/11.88		12	1-13/16	11-13/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	4235 5130	4235 5130	4235 5130	2495 3285	-- --	3580 4475	245 1665		
	PHM17118	WP1.81 H=11.875	x	7/10	1-13/16	11-7/8	2-1/2	7	3	--	2	--	16d	2	10d x 1-1/2	3335	3335	3335	2140	--	3060	--		
	PHXU17118	--	x	7	1-13/16	11-7/8	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	4350	4350	4350	3245	--	4350	930		
1-3/4 x 14	TFL1714	ITS1.81/14	--	18	1-3/4	14	2	--	1-1/2	--	4	2	10d	2	10d x 1-1/2	1585	1585	1585	1215	1245	1585	130		
	BPHA1714	BA1.81/14, MIT1.81/14		12	1-13/16	13-15/16	3	--	2-7/16	Min Max	6	8	16d	2 8	10d x 1-1/2	4235 5130	4235 5130	4235 5130	2495 3285	-- --	3580 4475	245 1665		
	PHM1714	WP1.81 H=14	x	7/10	1-13/16	14	2-1/2	7	3	--	2	--	16d	2	10d x 1-1/2	3335	3335	3335	2140	--	3060	--		
	PHXU1714	--	x	7	1-13/16	14	3-1/4	10	2-1/2	--	4	4	16d	6	10d x 1-1/2	4350	4350	4350	3245	--	4350	930		

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, 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.