

Joist Material & Width	MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)					Mounting Condition	Fastener Schedule ²					DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)			
				W	D	H	A	B		Header			Joist		Allowable Loads (Lbs.)				Allowable Loads (Lbs.)			
										Top Qty	Face Qty	Type	Qty	Type	Floor	Roof		Uplift ¹	Floor	Roof		Uplift ¹
																100%	115%			125%	160%	
2x Lumber or Trusses	MSH29	THA29	18	1-5/8	2-1/4	8-3/4	2-7/16	5	face-max	--	18	10d	4	10d	2550	2640	2640	715	2115	2115	2115	575
									top-max	4	6	10d	4	10d	2945	2945	2945	715	2200	2315	2355	570
									top-min	4	2	10d	4	10d x 1-1/2	2390	2390	2390	--	1855	1890	1890	--
	MSH213	THA213	18	1-5/8	2-1/4	12-3/4	2-3/8	5	face-max	--	20	10d	4	10d	2640	2640	2640	715	2115	2115	2115	575
									top-max	4	6	10d	4	10d	2945	2945	2945	715	2200	2315	2355	570
									top-min	4	2	10d	4	10d x 1-1/2	2390	2390	2390	--	1855	1890	1890	--
	MSH218	THA218	18	1-5/8	2-1/4	16-3/4	2-7/16	5	face-max	--	26	10d	4	10d	2640	2640	2640	715	2115	2115	2115	575
									top-max	4	6	10d	4	10d	2945	2945	2945	715	2200	2315	2355	570
									top-min	4	2	10d	4	10d x 1-1/2	2390	2390	2390	--	1855	1890	1890	--
	MSH222	THAI222	18	1-5/8	1-3/4	23	1-13/16	10-13/16	face-max	--	22	10d	4	10d x 1-1/2	2120	2190	2230	715	1540	1595	1635	575
									top-max	4	6	10d	4	10d x 1-1/2	2120	2190	2230	715	1540	1595	1635	575
									top-min	4	2	10d	4	10d x 1-1/2	2120	2190	2230	--	1540	1595	1635	--
1-3/4" LVL or I-Joist	MSH1713	--	18	1-13/16	1-3/4	14-7/16	1-13/16	10-3/4	face-max	--	12	10d	4	10d	1440	1640	1770	715	1265	1445	1555	575
									top-max	4	6	10d	4	10d	2395	2460	2505	715	1725	1785	1820	575
									top-min	4	2	10d	4	10d x 1-1/2	2390	2390	2390	--	1725	1785	1820	--
	MSH1722	THAI1.81/22	18	1-13/16	1-3/4	22-7/8	1-7/8	10-3/4	face-max	--	22	10d	4	10d x 1-1/2	2280	2280	2280	715	1725	1785	1820	575
									top-max	4	6	10d	4	10d x 1-1/2	2395	2460	2505	715	1725	1785	1820	575
									top-min	4	2	10d	4	10d x 1-1/2	2390	2390	2390	--	1725	1785	1820	--
2" wide I-Joist	MSH2022	THAI2.06/22	18	2-1/16	1-3/4	22-5/8	1-13/16	10-7/16	face-max	--	22	10d	4	10d	2350	2350	2350	715	1875	1875	1875	570
									top-max	4	6	10d	4	10d	2670	2735	2780	715	1910	1970	2005	570
									top-min	4	2	10d	4	10d	2390	2390	2390	--	1890	1890	1890	--
2-5/16" wide I-Joist	MSH2322	THAI3522	18	2-3/8	1-3/4	22-5/8	1-13/16	10-7/16	face-max	--	22	10d	4	10d x 1-1/2	2350	2350	2350	715	1875	1875	1875	570
									top-max	4	6	10d	4	10d x 1-1/2	3010	3075	3120	715	2140	2200	2240	570
									top-min	4	2	10d	4	10d x 1-1/2	2395	2395	2395	--	1895	1895	1895	--
2-1/2" wide I-Joist	MSH322	THAI322	18	2-9/16	1-3/4	22-1/2	1-13/16	10-3/8	face-max	--	22	10d	4	10d x 1-1/2	2350	2350	2350	715	1875	1875	1875	570
									top-max	4	6	10d	4	10d x 1-1/2	3240	3240	3240	715	2330	2385	2425	570
									top-min	4	2	10d	4	10d x 1-1/2	2395	2395	2395	--	1895	1895	1895	--
(2) 2x Lumber or Trusses	MSH218-2	THA218-2	16	3-1/8	1-3/4	17-3/4	1-13/16	10-1/16	face-max	--	16	10d	4	10d	2000	2245	2420	675	1760	1975	2130	540
									top-max	4	6	10d	4	10d	3485	3575	3640	675	2520	2600	2660	540
									top-min	4	2	10d	4	10d	2435	2435	2435	--	2080	2105	2125	--
	MSH222-2	THA222-2	16	3-1/8	1-3/4	22-1/4	1-13/16	10-1/16	face-max	--	22	10d	4	10d	2750	3085	3330	675	2420	2675	2675	540
									top-max	4	6	10d	4	10d	3485	3575	3640	675	2520	2600	2660	540
									top-min	4	2	10d	4	10d	2435	2435	2435	--	2080	2105	2125	--
3-1/2" wide Floor Trusses	MSH413	THA413	16	3-9/16	1-3/4	14	1-7/8	7-5/8	face-max	--	14	10d	6	10d	2340	2640	2855	1815	2055	2325	2510	1450
									top-max	4	6	10d	6	10d	3875	3875	3875	1815	3035	3090	3090	1450
									top-min	4	2	10d	6	10d	2530	2530	2530	--	2000	2000	2000	--
	MSH418	THA418	16	3-9/16	1-3/4	17-1/2	1-7/8	7-5/8	face-max	--	18	10d	6	10d	2840	3200	3460	1815	2495	2815	3040	1450
									top-max	4	6	10d	6	10d	3875	3875	3875	1815	3035	3090	3090	1450
									top-min	4	2	10d	6	10d	2530	2530	2530	--	2000	2000	2000	--
	MSH422	THA422, THAI422	16	3-9/16	1-3/4	21-1/2	1-7/8	7-5/8	face-max	--	22	10d	6	10d	3340	3765	4065	1815	2935	3310	3320	1450
									top-max	4	6	10d	6	10d	3525	3705	3830	1815	2665	2825	2935	1450
									top-min	4	2	10d	6	10d	2530	2530	2530	--	2005	2005	2005	--
	MSH422IF	THAC418, THAC422	16	3-5/8	1-3/4	22	--	9-13/16	face-max	--	22	10d	4	10d	2750	3085	3330	675	2420	2715	2930	540
									top-max	4	6	10d	4	10d	3485	3575	3640	675	2520	2600	2660	540
									top-min	4	2	10d	4	10d	2530	2530	2530	--	2000	2000	2000	--
	MSH424	--	16	3-5/8	2	21-1/2	2-1/16	5-3/16	face-max	--	36	10d	6	10d	5090	5725	5975	1815	4150	4310	4420	1445
									top-max	4	6	10d	6	10d	3875	3875	3875	1815	3085	3085	3085	1445
									top-min	4	2	10d	6	10d	2530	2530	2530	--	2000	2000	2000	--
	MSH426	THA426	14	3-5/8	1-3/4	26	1-13/16	8	face-max	--	38	16d	6	16d	5455	5675	5825	1815	4035	4230	4360	1455
									top-max	4	8	16d	6	16d	3760	3760	3760	1795	3010	3010	3010	1435
									top-min	4	2	16d	6	16d	2435	2435	2435	--	2160	2160	2160	--
MSH426IF	THAC426	14	3-5/8	1-3/4	26	--	8	face-max	--	38	16d	6	16d	5455	5675	5825	1815	4035	4230	4360	1455	
								top-max	4	8	16d	6	16d	3760	3760	3760	1795	3010	3010	3010	1435	
								top-min	4	2	16d	6	16d	2435	2435	2435	--	2160	2160	2160	--	
(2) 2-5/16" wide I-Joist	MSH2322-2	--	16	4-3/4	1-3/4	22	1-7/8	9-1/4	face-max	--	46	10d	4	10d	5560	5620	5665	675	3880	3935	3970	535
									top-max	4	6	10d	4	10d	3485	3575	3640	675	2520	2600	2660	535
									top-min	4	2	10d	4	10d	2530	2530	2530	--	2000	2000	2000	--
(2) 2-1/2" wide I-Joist	MSH2622-2	--	16	5-3/8	1-3/4	22	1-7/8	9-1/4	face-max	--	46	10d	4	10d	5560	5620	5665	675	3880	3935	3970	535
									top-max	4	6	10d	4	10d	3485	3575	3640	675	2520	2600	2660	535
									top-min	4	2	10d	4	10d	2530	2530	2530	--	2000	2000	2000	--
(2) 3-1/2" wide Floor Trusses	MSH422-2	THA422-2	14	7-1/4	2	22-1/8	2-1/8	11	face-max	--	26	16d	6	16d	4005	4515	4845	1380	3520	3970	4260	1215
									top-max	4	10	16d	6	16d	4665	4860	4990	1380	3480	3650	3765	1215
									top-min	4	4	16d	6	16d	3740	3820	3870	--	2665	2735	2780	--
	MSH422-2IF	THAC422-2	14	7-1/4	2	22-1/8	--	11	face-max	--	26	16d	6	16d	4005	4515	4845	1380	3520	3970	4260	1215
									top-max	4	10	16d	6	16d	4665	4860	4990	1380	3480	3650	3765	1215
									top-min	4	4	16d	6	16d	3740	3820	3870	--	2665	2735	2780	--
MSH426-2	THA426-2	14	7-1/4	2	26-1/16	2-1/8	11	face-max	--	26	16d	6	16d	4005	4515	4845	1380	3520	3970	4260	1215	
								top-max	4	10	16d	6	16d	4665	4860	4990	1380	3480	3650	3765	1215	
								top-min	4	4	16d	6	16d	3740	3820	3870	--	2665	2735	2780	--	