

Joist Size (in)	MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)				Fastener Schedule ^{2,3}					DF/SP Header Allowable Loads (Lbs.)				S-P-F Header Allowable Loads (Lbs.)			
				W	H	D	A	Min/ Max	Header		Joist		100%	115%	125%	Uplift ¹ 160%	100%	115%	125%	Uplift ¹ 160%
									Qty	Type	Qty	Type								
2-11/16 x 14 - 16	HD2714	HU2.75/14	14	2-3/4	12-13/16	2-1/2	1-1/8	Min	28	16d	8	10d x 1-1/2	2770	3125	3355	1510	2440	2750	2950	1210
								Max	36		14		4005	4435	4435	1900	3520	3935	3935	1530
	THDH2714	--	12	2-3/4	12-1/4	4	2-1/2	--	66	16d	16	16d	11185	11325	11325	5290	8530	9045	9115	4260
3-1/4 x 9-1/2	THDH3210	HGUS3.25/10	12	3-1/4	9-3/8	4	2-1/2	--	46	16d	12	16d	9020	9020	9020	4345	7830	7830	7830	3470
3-1/4 x 10-5/8	THDH3212	HGUS3.25/12	12	3-1/4	10-5/8	4	2-1/2	--	56	16d	14	16d	9710	9710	9710	5290	7775	7775	7775	4235
3-1/2 x 5-1/4	THD46	HHUS46	14	3-5/8	5-5/16	3	2	--	18	16d	12	10d	2770	3125	3355	2340	2440	2750	2950	2060
	THDH46	HGUS46	12	3-5/8	5-5/16	4	2-1/2	--	20	16d	8	16d	4375	4895	5180	2805	3850	4115	4115	2225
	THD HQ46	--	12	3-5/8	5-7/16	4	1-15/16	--	12	WS3	8	WS3	5015	5745	5745	2055	4405	4590	4590	1640
3-1/2 x 7-1/4	THD48	HHUS48	14	3-5/8	7-1/16	3	2	--	28	16d	16	10d	4310	4860	5005	2595	3795	4020	4020	2080
	THDH48	HGUS48	12	3-5/8	7-1/16	4	2-1/2	--	36	16d	10	16d	7360	8175	8175	3000	6475	6505	6505	2385
	THD HQ48	--	12	3-5/8	7-3/16	4	2-13/16	--	20	WS3	8	WS3	8355	9540	9540	3645	7340	7625	7625	2910
3-1/2 x 9-1/4 - 14	HD410	--	14	3-9/16	8-3/4	2-1/2	1-1/8	Min	14	16d	6	10d	2155	2430	2610	1170	1895	2140	2295	1030
								Max	20		10		3080	3475	3725	1950	2710	3055	3190	1715
	HD410IF	--	14	3-9/16	8-3/4	2-1/2	1-1/8	Min	14	16d	6	10d	2155	2430	2610	1170	1895	2140	2295	1030
								Max	20		10		3080	3475	3725	1950	2710	3055	3190	1715
	HDQ410IF	HUCQ410-SDS	14	3-9/16	9	3	1-1/2	--	12	WS3	6	WS3	5015	5145	5145	2975	4480	4590	4590	2655
	THD410	HHUS410	14	3-5/8	9-1/16	3	2	--	38	16d	20	10d	5850	6600	7045	3905	5145	5680	5680	3255
	THDH410	HGUS410	12	3-5/8	9-1/16	4	2-1/2	--	46	16d	12	16d	9020	9020	9020	4345	7820	7820	7820	3470
	THD HQ410	--	12	3-5/8	9-3/16	4	2-13/16	--	28	WS3	8	WS3	10880	10880	10880	5270	8690	8690	8690	4210
3-1/2 x 11-1/4 - 16	HD412	--	14	3-9/16	10-3/4	2-1/2	1-1/8	Min	16	16d	8	10d	2465	2780	2980	1305	2165	2445	2620	1040
								Max	24		12		3695	4170	4470	2340	3250	3665	3860	2060
	HD412IF	--	14	3-9/16	10-3/4	2-1/2	1-1/8	Min	16	16d	8	10d	2465	2780	2980	1305	2165	2445	2620	1040
								Max	24		12		3695	4170	4470	2340	3250	3665	3860	2060
	HDQ412IF	HUCQ412-SDS	14	3-9/16	11	3	1-1/2	--	14	WS3	6	WS3	5605	5605	5605	3280	5605	5605	5605	3280
	THD412	--	14	3-5/8	11	3	2	--	48	16d	20	10d	7045	7045	7045	3905	5680	5680	5680	3255
	THDH412	HGUS412	12	3-5/8	11-1/16	4	2-1/2	--	56	16d	14	16d	9710	9710	9710	5290	7765	7765	7765	4230
3-1/2 x 14 - 20	HD414	--	14	3-9/16	12-3/4	2-1/2	1-1/8	Min	18	16d	8	10d	2770	3125	3355	1510	2440	2750	2950	1205
								Max	26		12		4005	4515	4815	2340	3520	3860	3860	2060
	HD414IF	--	14	3-9/16	12-3/4	2-1/2	1-1/8	Min	18	16d	8	10d	2770	3125	3355	1510	2440	2750	2950	1205
								Max	26		12		4005	4515	4815	2340	3520	3860	3860	2060
	THD414	--	14	3-5/8	12-7/8	3	2	--	58	16d	20	10d	7045	7045	7045	3905	5680	5680	5680	3255
	THDH414	HGUS414	12	3-5/8	13-1/16	4	2-1/2	--	66	16d	16	16d	11325	11325	11325	5305	9075	9075	9075	4250
3-1/2 x 16 - 22	HD416	--	14	3-9/16	14-3/4	2-1/2	1-1/8	Min	22	16d	10	10d	3390	3820	4100	1950	2980	3360	3605	1715
								Max	30		14		4620	4990	4990	2245	4015	4015	4015	1805
	HD416IF	--	14	3-9/16	14-3/4	2-1/2	1-1/8	Min	22	16d	10	10d	3390	3820	4100	1950	2980	3360	3605	1715
								Max	30		14		4620	4990	4990	2245	4015	4015	4015	1805
3-1/2 x 18 - 26	HD418	--	14	3-9/16	16-1/2	2-1/2	1-1/8	--	28	16d	8	10d	4310	4815	4815	1560	3795	3835	3835	1375

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) WS3 structural wood screws are 1/4" dia. x 3" long and are included with HDQ and THDQ hangers.

3) **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.