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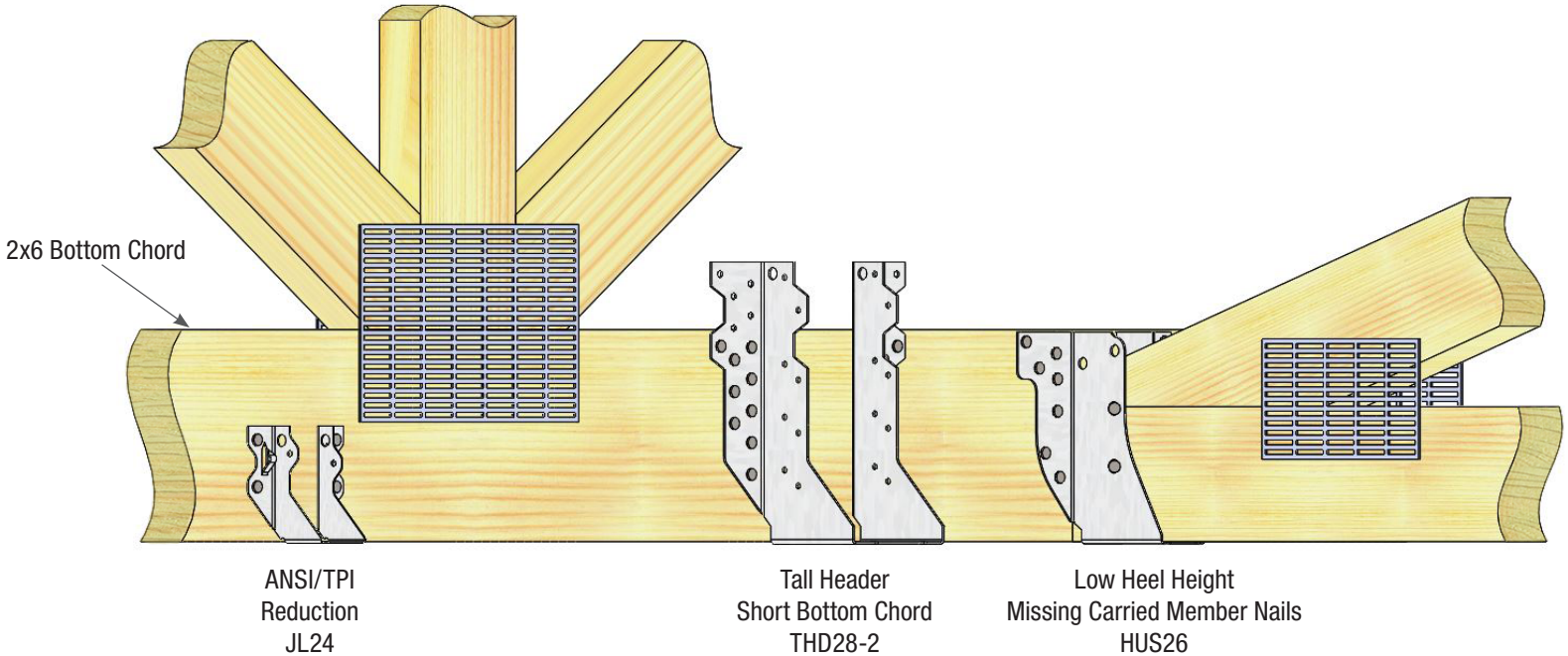
Allowable Design Loads for Truss Connections

Including Low Heel Height, Short Headers, and ANSI/TPI Reductions

This technical bulletin offers allowable design load values for MiTek USP face mount hangers attached to various sizes and species of dimensional lumber truss girder bottom chords.

Each table contains allowable design loads for our commonly used face mount hangers attached to 2x6, 2x8 and 2x10 girder bottom chords. The tabulated values include a variety of hanger sizes on a variety of lumber sizes while accounting for missing fasteners and applying ANSI/TPI 1-2014 reductions where required. See pages 2-5 for more information.

Page 2: Douglas Fir-Larch (G=0.50)
Page 3: Southern Pine (G=0.55)
Page 4: Spruce-Pine-Fir (G=0.42)
Page 5: Hem Fir (G=0.43)



Truss Connection Examples

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DF (G=0.50) Allowable Design Loads for Truss Connections

Including Low Heel Height, Short Headers, and ANSI/TPI Reductions

MiTek Stock No.	No of Plies	2x6 Girder Bottom Chord								2x8 Girder Bottom Chord								2x10 Girder Bottom Chord							
		Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)			
		Header		Joist		Download			Uplift	Header		Joist		Download			Uplift	Header		Joist		Download			Uplift
		Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%
3.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	460	530	545	320	4	10d	2	10d x 1-1/2	460	530	545	320	4	10d	2	10d x 1-1/2	460	530	545	320
JUS24		4	10d	2	10d	595	595	595	685	4	10d	2	10d	595	595	595	685	4	10d	2	10d	595	595	595	685
HD26	1	4	16d	2	10d x 1-1/2	530	610	665	225	4	16d	2	10d x 1-1/2	530	610	665	225	4	16d	2	10d x 1-1/2	530	610	665	225
JUS26		4	10d	2	10d	660	760	825	640	4	10d	2	10d	660	760	825	640	4	10d	2	10d	660	760	800	640
JL26		8	10d	2	10d x 1-1/2	920	1030	1030	330	8	10d	2	10d x 1-1/2	920	1030	1030	330	8	10d	2	10d x 1-1/2	920	1015	1015	330
MUS26		6	10d	4	10d	1090	1205	1205	405	6	10d	4	10d	1060	1060	1060	405	6	10d	4	10d	970	970	970	405
THD26		18	16d	8	10d	2395	2750	2990	1045	18	16d	8	10d	1280	1280	1280	1045	18	16d	8	10d	1075	1075	1075	1045
HUS26		14	16d	4	16d	1990	1990	1990	485	14	16d	4	16d	1280	1280	1280	485	14	16d	4	16d	1075	1075	1075	485
JUS28	1	4	10d	2	10d	660	760	825	640	6	10d	2	10d	890	1025	1115	640	6	10d	2	10d	890	1025	1115	640
JL28		8	10d	2	10d x 1-1/2	920	1030	1030	330	10	10d	2	10d x 1-1/2	1030	1030	1030	330	10	10d	2	10d x 1-1/2	1030	1030	1030	330
HD28		8	16d	2	10d x 1-1/2	1065	1225	1310	260	8	16d	2	10d x 1-1/2	1065	1110	1110	260	8	16d	2	10d x 1-1/2	995	995	995	260
MUS28		6	10d	4	10d	1090	1205	1205	405	8	10d	4	10d	1320	1520	1650	405	8	10d	4	10d	1320	1500	1500	405
THD28		18	16d	8	10d	2395	2750	2990	1045	28	16d	8	10d	3655	3655	3655	1045	28	16d	8	10d	1865	1865	1865	1045
HUS28		14	16d	4	16d	1990	1990	1990	485	22	16d	4	16d	1990	1990	1990	485	22	16d	4	16d	1865	1865	1865	485
JUS210	1	4	10d	2	10d	660	760	825	640	6	10d	2	10d	890	1025	1115	640	8	10d	2	10d	1125	1295	1405	640
HD210		8	16d	2	10d x 1-1/2	1065	1225	1310	260	10	16d	2	10d x 1-1/2	1310	1310	1310	260	10	16d	2	10d x 1-1/2	1310	1310	1310	260
HUS210		14	16d	4	16d	1990	1990	1990	485	22	16d	4	16d	1990	1990	1990	485	30	16d	4	16d	1990	1990	1990	485
JUS24-2	2	4	16d	2	16d	675	675	675	705	4	16d	2	16d	660	660	660	705	4	16d	2	16d	660	660	660	705
JUS26-2	2	4	16d	2	16d	745	855	930	735	4	16d	2	16d	745	855	930	735	4	16d	2	16d	745	855	930	735
THD26-2		18	16d	8	10d	2395	2750	2990	1045	18	16d	8	10d	1280	1280	1280	1045	18	16d	8	10d	1075	1075	1075	1045
THDH26-2		22	16d	4	16d	3615	4160	4520	780	22	16d	4	16d	1405	1405	1405	780	22	16d	4	16d	1125	1125	1125	780
THD28-2	2	18	16d	8	10d	2395	2750	2990	1045	28	16d	8	10d	3655	3655	3655	1045	28	16d	8	10d	1865	1865	1865	1045
THDH28-2		22	16d	4	16d	3615	4160	4520	780	36	16d	4	16d	5620	6460	6980	780	36	16d	4	16d	1915	1915	1915	780
5.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	460	530	545	320	4	10d	2	10d x 1-1/2	460	530	545	320	4	10d	2	10d x 1-1/2	460	530	545	320
JUS24		4	10d	2	10d	595	595	595	685	4	10d	2	10d	595	595	595	685	4	10d	2	10d	595	595	595	685
HD26	1	4	16d	2	10d x 1-1/2	530	610	665	225	4	16d	2	10d x 1-1/2	530	610	665	225	4	16d	2	10d x 1-1/2	530	610	665	225
JUS26		4	10d	2	10d	855	985	1070	640	4	10d	2	10d	855	985	990	640	4	10d	2	10d	800	800	800	640
JL26		8	10d	4	10d x 1-1/2	920	1030	1030	330	8	10d	4	10d x 1-1/2	920	1030	1030	330	8	10d	4	10d x 1-1/2	920	1015	1015	330
MUS26		6	10d	6	10d	1205	1205	1205	405	6	10d	6	10d	1060	1060	1060	405	6	10d	6	10d	970	970	970	405
THD26		18	16d	12	10d	2395	2750	2990	1045	18	16d	12	10d	1280	1280	1280	1045	18	16d	12	10d	1075	1075	1075	1045
HUS26		14	16d	6	16d	1990	1990	1990	485	14	16d	6	16d	1280	1280	1280	485	14	16d	6	16d	1075	1075	1075	485
JUS28	1	4	10d	2	10d	855	985	1070	640	6	10d	2	10d	1090	1250	1360	640	6	10d	2	10d	1090	1250	1360	640
JL28		8	10d	4	10d x 1-1/2	920	1030	1030	330	10	10d	4	10d x 1-1/2	1030	1030	1030	330	10	10d	4	10d x 1-1/2	1030	1030	1030	330
HD28		8	16d	4	10d x 1-1/2	1065	1225	1310	260	8	16d	4	10d x 1-1/2	1065	1110	1110	260	8	16d	4	10d x 1-1/2	995	995	995	260
MUS28		6	10d	6	10d	1205	1205	1205	405	8	10d	6	10d	1515	1745	1890	785	8	10d	6	10d	1500	1500	1500	785
THD28		18	16d	12	10d	2395	2750	2990	1045	28	16d	12	10d	3655	3655	3655	2050	28	16d	12	10d	1865	1865	1865	2050
HUS28		14	16d	6	16d	1990	1990	1990	485	22	16d	6	16d	2935	2935	2935	885	22	16d	6	16d	1865	1865	1865	885
JUS210	1	4	10d	2	10d	855	985	1070	640	6	10d	2	10d	1090	1250	1360	640	8	10d	2	10d	1320	1520	1530	640
HD210		8	16d	4	10d x 1-1/2	1065	1225	1310	260	10	16d	4	10d x 1-1/2	1310	1310	1310	260	10	16d	4	10d x 1-1/2	1310	1310	1310	260
HUS210		14	16d	6	16d	1990	1990	1990	485	22	16d	6	16d	2935	2935	2935	885	30	16d	6	16d	2935	2935	2935	885
JUS24-2	2	4	16d	2	16d	675	675	675	705	4	16d	2	16d	660	660	660	705	4	16d	2	16d	660	660	660	705
JUS26-2	2	4	16d	2	16d	980	1125	1220	735	4	16d	2	16d	980	1125	1220	735	4	16d	2	16d	980	1055	1055	735
THD26-2		18	16d	12	10d	2395	2750	2990	1045	18	16d	12	10d	1280	1280	1280	1045	18	16d	12	10d	1075	1075	1075	1045
THDH26-2		22	16d	8	16d	4085	4695	5060	780	22	16d	8	16d	1405	1405	1405	780	22	16d	8	16d	1125	1125	1125	780
THD28-2	2	18	16d	12	10d	2395	2750	2990	1045	28	16d	12	10d	3655	3655	3655	2050	28	16d	12	10d	1865	1865	1865	2050
THDH28-2		22	16d	8	16d	4085	4695	5060	2050	36	16d	8	16d	6085	6980	6980	2050	36	16d	8	16d	1915	1915	1915	2050

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SP (G=0.55) Allowable Design Loads for Truss Connections

Including Low Heel Height, Short Headers, and ANSI/TPI Reductions

MiTek Stock No.	No of Plies	2x6 Girder Bottom Chord								2x8 Girder Bottom Chord								2x10 Girder Bottom Chord							
		Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)			
		Header		Joist		Download			Uplift	Header		Joist		Download			Uplift	Header		Joist		Download			Uplift
		Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%
3.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	495	545	545	320	4	10d	2	10d x 1-1/2	495	545	545	320	4	10d	2	10d x 1-1/2	495	545	545	320
JUS24		4	10d	2	10d	595	595	595	705	4	10d	2	10d	595	595	595	705	4	10d	2	10d	595	595	595	705
HD26	1	4	16d	2	10d x 1-1/2	575	660	680	225	4	16d	2	10d x 1-1/2	575	660	665	225	4	16d	2	10d x 1-1/2	575	660	665	225
JUS26		4	10d	2	10d	720	825	900	640	4	10d	2	10d	720	825	900	640	4	10d	2	10d	720	800	800	640
JL26		8	10d	2	10d x 1-1/2	990	1030	1030	330	8	10d	2	10d x 1-1/2	990	1030	1030	330	8	10d	2	10d x 1-1/2	990	1015	1015	330
MUS26		6	10d	4	10d	1185	1205	1205	405	6	10d	4	10d	1060	1060	1060	405	6	10d	4	10d	970	970	970	405
THD26		18	16d	12	10d	2590	2980	3240	1045	18	16d	12	10d	1280	1280	1280	1045	18	16d	12	10d	1075	1075	1075	1045
HUS26		14	16d	4	16d	1990	1990	1990	485	14	16d	4	16d	1280	1280	1280	485	14	16d	4	16d	1075	1075	1075	485
JUS28	1	4	10d	2	10d	720	825	900	640	6	10d	2	10d	970	1115	1215	640	6	10d	2	10d	970	1115	1215	640
JL28		8	10d	2	10d x 1-1/2	990	1030	1030	330	10	10d	2	10d x 1-1/2	1030	1030	1030	330	10	10d	2	10d x 1-1/2	1030	1030	1030	330
HD28		8	16d	2	10d x 1-1/2	1150	1310	1310	260	8	16d	2	10d x 1-1/2	1110	1110	1110	260	8	16d	2	10d x 1-1/2	995	995	995	260
MUS28		6	10d	4	10d	1185	1205	1205	405	8	10d	4	10d	1435	1650	1795	405	8	10d	4	10d	1435	1500	1500	405
THD28		18	16d	8	10d	2590	2980	3240	1045	28	16d	8	10d	3655	3655	3655	1045	28	16d	8	10d	1865	1865	1865	1045
HUS28		14	16d	4	16d	1990	1990	1990	485	22	16d	4	16d	1990	1990	1990	485	22	16d	4	16d	1865	1865	1865	485
JUS210	1	4	10d	2	10d	720	825	900	640	6	10d	2	10d	970	1115	1215	640	8	10d	2	10d	1220	1405	1530	640
HD210		8	16d	2	10d x 1-1/2	1150	1310	1310	260	10	16d	2	10d x 1-1/2	1310	1310	1310	260	10	16d	2	10d x 1-1/2	1310	1310	1310	260
HUS210		14	16d	4	16d	1990	1990	1990	485	22	16d	4	16d	1990	1990	1990	485	30	16d	4	16d	1990	1990	1990	485
JUS24-2	2	4	16d	2	16d	675	675	675	705	4	16d	2	16d	660	660	660	705	4	16d	2	16d	660	660	660	705
JUS26-2	2	4	16d	2	16d	810	930	1010	735	4	16d	2	16d	810	930	1010	735	4	16d	2	16d	810	930	1010	735
THD26-2		18	16d	8	10d	2590	2980	3240	1045	18	16d	8	10d	1280	1280	1280	1045	18	16d	8	10d	1075	1075	1075	1045
THDH26-2		22	16d	4	16d	3905	4490	4880	780	22	16d	4	16d	1405	1405	1405	780	22	16d	4	16d	1125	1125	1125	780
THD28-2	2	18	16d	8	10d	2590	2980	3240	1045	28	16d	8	10d	3655	3655	3655	1045	28	16d	8	10d	1865	1865	1865	1045
THDH28-2		22	16d	4	16d	3905	4490	4880	780	36	16d	4	16d	6060	6970	6980	780	36	16d	4	16d	1915	1915	1915	780
5.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	495	545	545	320	4	10d	2	10d x 1-1/2	495	545	545	320	4	10d	2	10d x 1-1/2	495	545	545	320
JUS24		4	10d	2	10d	595	595	595	705	4	10d	2	10d	595	595	595	705	4	10d	2	10d	595	595	595	705
HD26	1	4	16d	2	10d x 1-1/2	575	660	680	225	4	16d	2	10d x 1-1/2	575	660	665	225	4	16d	2	10d x 1-1/2	575	660	665	225
JUS26		4	10d	2	10d	930	1070	1165	640	4	10d	2	10d	930	990	990	640	4	10d	2	10d	800	800	800	640
JL26		8	10d	4	10d x 1-1/2	990	1030	1030	330	8	10d	4	10d x 1-1/2	990	1030	1030	330	8	10d	4	10d x 1-1/2	990	1015	1015	330
MUS26		6	10d	6	10d	1205	1205	1205	405	6	10d	6	10d	1060	1060	1060	405	6	10d	6	10d	970	970	970	405
THD26		18	16d	12	10d	2590	2980	3240	1045	18	16d	12	10d	1280	1280	1280	1045	18	16d	12	10d	1075	1075	1075	1045
HUS26		14	16d	6	16d	1990	1990	1990	485	14	16d	6	16d	1280	1280	1280	485	14	16d	6	16d	1075	1075	1075	485
JUS28	1	4	10d	2	10d	930	1070	1165	640	6	10d	2	10d	1185	1360	1480	640	6	10d	2	10d	1185	1360	1480	640
JL28		8	10d	4	10d x 1-1/2	990	1030	1030	330	10	10d	4	10d x 1-1/2	1030	1030	1030	330	10	10d	4	10d x 1-1/2	1030	1030	1030	330
HD28		8	16d	4	10d x 1-1/2	1150	1310	1310	260	8	16d	4	10d x 1-1/2	1110	1110	1110	260	8	16d	4	10d x 1-1/2	995	995	995	260
MUS28		6	10d	6	10d	1205	1205	1205	405	8	10d	6	10d	1650	1890	1890	785	8	10d	6	10d	1500	1500	1500	785
THD28		18	16d	12	10d	2590	2980	3240	1045	28	16d	12	10d	3655	3655	3655	2050	28	16d	12	10d	1865	1865	1865	2050
HUS28		14	16d	6	16d	1990	1990	1990	485	22	16d	6	16d	2935	2935	2935	885	22	16d	6	16d	1865	1865	1865	885
JUS210	1	4	10d	2	10d	930	1070	1165	640	6	10d	2	10d	1185	1360	1480	640	8	10d	2	10d	1435	1530	1530	640
HD210		8	16d	4	10d x 1-1/2	1150	1310	1310	260	10	16d	4	10d x 1-1/2	1310	1310	1310	260	10	16d	4	10d x 1-1/2	1310	1310	1310	260
HUS210		14	16d	6	16d	1990	1990	1990	485	22	16d	6	16d	2935	2935	2935	885	30	16d	6	16d	2935	2935	2935	885
JUS24-2	2	4	16d	2	16d	675	675	675	705	4	16d	2	16d	660	660	660	705	4	16d	2	16d	660	660	660	705
JUS26-2	2	4	16d	2	16d	1065	1225	1330	735	4	16d	2	16d	1065	1225	1245	735	4	16d	2	16d	1055	1055	1055	735
THD26-2		18	16d	12	10d	2590	2980	3240	1045	18	16d	12	10d	1280	1280	1280	1045	18	16d	12	10d	1075	1075	1075	1045
THDH26-2		22	16d	8	16d	4415	5060	5060	780	22	16d	8	16d	1405	1405	1405	780	22	16d	8	16d	1125	1125	1125	780
THD28-2	2	18	16d	12	10d	2590	2980	3240	1045	28	16d	12	10d	3655	3655	3655	2050	28	16d	12	10d	1865	1865	1865	2050
THDH28-2		22	16d	8	16d	4415	5060	5060	2050	36	16d	8	16d	6575	6980	6980	2050	36	16d	8	16d	1915	1915	1915	2050

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SPF (G=0.42) Allowable Design Loads for Truss Connections

Including Low Heel Height, Short Headers, and ANSI/TPI Reductions

MiTek Stock No.	No of Plies	2x6 Girder Bottom Chord								2x8 Girder Bottom Chord								2x10 Girder Bottom Chord							
		Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)			
		Header		Joist		Download			Uplift	Header		Joist		Download			Uplift	Header		Joist		Download			Uplift
		Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%
3.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	390	450	490	270	4	10d	2	10d x 1-1/2	390	450	490	270	4	10d	2	10d x 1-1/2	390	450	490	270
JUS24		4	10d	2	10d	565	595	595	585	4	10d	2	10d	565	595	595	585	4	10d	2	10d	565	595	595	585
HD26	1	4	16d	2	10d x 1-1/2	460	525	570	190	4	16d	2	10d x 1-1/2	460	525	570	190	4	16d	2	10d x 1-1/2	460	525	570	190
JUS26		4	10d	2	10d	565	650	710	535	4	10d	2	10d	565	650	710	535	4	10d	2	10d	565	650	710	535
JL26		8	10d	2	10d x 1-1/2	785	865	865	275	8	10d	2	10d x 1-1/2	785	865	865	275	8	10d	2	10d x 1-1/2	785	865	865	275
MUS26		6	10d	4	10d	930	1015	1015	340	6	10d	4	10d	930	1015	1015	340	6	10d	4	10d	930	970	970	340
THD26		18	16d	8	10d	2060	2370	2575	880	18	16d	8	10d	1280	1280	1280	880	18	16d	8	10d	1075	1075	1075	880
HUS26		14	16d	4	16d	1670	1670	1670	410	14	16d	4	16d	1280	1280	1280	410	14	16d	4	16d	1075	1075	1075	410
JUS28	1	4	10d	2	10d	565	650	710	535	6	10d	2	10d	765	880	960	535	6	10d	2	10d	765	880	960	535
JL28		8	10d	2	10d x 1-1/2	785	865	865	275	10	10d	2	10d x 1-1/2	865	865	865	275	10	10d	2	10d x 1-1/2	865	865	865	275
HD28		8	16d	2	10d x 1-1/2	915	1055	1100	215	8	16d	2	10d x 1-1/2	915	1055	1100	215	8	16d	2	10d x 1-1/2	915	995	995	215
MUS28		6	10d	4	10d	930	1015	1015	340	8	10d	4	10d	1130	1300	1415	340	8	10d	4	10d	1130	1300	1415	340
THD28		18	16d	8	10d	2060	2370	2575	880	28	16d	8	10d	3070	3070	3070	880	28	16d	8	10d	1865	1865	1865	880
HUS28		14	16d	4	16d	1670	1670	1670	410	22	16d	4	16d	1670	1670	1670	410	22	16d	4	16d	1670	1670	1670	410
JUS210	1	4	10d	2	10d	565	650	710	535	6	10d	2	10d	765	880	960	535	8	10d	2	10d	965	1110	1210	535
HD210		8	16d	2	10d x 1-1/2	915	1055	1100	215	10	16d	2	10d x 1-1/2	1100	1100	1100	215	10	16d	2	10d x 1-1/2	1100	1100	1100	215
HUS210		14	16d	4	16d	1670	1670	1670	410	22	16d	4	16d	1670	1670	1670	410	30	16d	4	16d	1670	1670	1670	410
JUS24-2	2	4	16d	2	16d	635	675	675	590	4	16d	2	16d	635	660	660	590	4	16d	2	16d	635	660	660	590
JUS26-2	2	4	16d	2	16d	635	735	795	615	4	16d	2	16d	635	735	795	615	4	16d	2	16d	635	735	795	615
THD26-2		18	16d	8	10d	2060	2370	2575	880	18	16d	8	10d	1280	1280	1280	880	18	16d	8	10d	1075	1075	1075	880
THDH26-2		22	16d	4	16d	3115	3585	3895	655	22	16d	4	16d	1405	1405	1405	655	22	16d	4	16d	1125	1125	1125	655
THD28-2	2	18	16d	8	10d	2060	2370	2575	880	28	16d	8	10d	3070	3070	3070	880	28	16d	8	10d	1865	1865	1865	880
THDH28-2		22	16d	4	16d	3115	3585	3895	655	36	16d	4	16d	4850	5575	5865	655	36	16d	4	16d	1915	1915	1915	655
5.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	390	450	490	270	4	10d	2	10d x 1-1/2	390	450	490	270	4	10d	2	10d x 1-1/2	390	450	490	270
JUS24		4	10d	2	10d	565	595	595	585	4	10d	2	10d	565	595	595	585	4	10d	2	10d	565	595	595	585
HD26	1	4	16d	2	10d x 1-1/2	460	525	570	190	4	16d	2	10d x 1-1/2	460	525	570	190	4	16d	2	10d x 1-1/2	460	525	570	190
JUS26		4	10d	2	10d	730	840	915	535	4	10d	2	10d	730	840	915	535	4	10d	2	10d	730	800	800	535
JL26		8	10d	4	10d x 1-1/2	785	865	865	275	8	10d	4	10d x 1-1/2	785	865	865	275	8	10d	4	10d x 1-1/2	785	865	865	275
MUS26		6	10d	6	10d	1015	1015	1015	340	6	10d	6	10d	1015	1015	1015	340	6	10d	6	10d	970	970	970	340
THD26		18	16d	12	10d	2060	2370	2575	880	18	16d	12	10d	1280	1280	1280	880	18	16d	12	10d	1075	1075	1075	880
HUS26		14	16d	6	16d	1670	1670	1670	410	14	16d	6	16d	1280	1280	1280	410	14	16d	6	16d	1075	1075	1075	410
JUS28	1	4	10d	2	10d	730	840	915	535	6	10d	2	10d	930	1070	1165	535	6	10d	2	10d	930	1070	1165	535
JL28		8	10d	4	10d x 1-1/2	785	865	865	275	10	10d	4	10d x 1-1/2	865	865	865	275	10	10d	4	10d x 1-1/2	865	865	865	275
HD28		8	16d	4	10d x 1-1/2	915	1055	1100	215	8	16d	4	10d x 1-1/2	915	1055	1100	215	8	16d	4	10d x 1-1/2	915	995	995	215
MUS28		6	10d	6	10d	1015	1015	1015	340	8	10d	6	10d	1300	1495	1590	660	8	10d	6	10d	1300	1495	1500	660
THD28		18	16d	12	10d	2060	2370	2575	880	28	16d	12	10d	3070	3070	3070	1725	28	16d	12	10d	1865	1865	1865	1725
HUS28		14	16d	6	16d	1670	1670	1670	410	22	16d	6	16d	2465	2465	2465	740	22	16d	6	16d	1865	1865	1865	740
JUS210	1	4	10d	2	10d	730	840	915	535	6	10d	2	10d	930	1070	1165	535	8	10d	2	10d	1130	1300	1370	535
HD210		8	16d	4	10d x 1-1/2	915	1055	1100	215	10	16d	4	10d x 1-1/2	1100	1100	1100	215	10	16d	4	10d x 1-1/2	1100	1100	1100	215
HUS210		14	16d	6	16d	1670	1670	1670	410	22	16d	6	16d	2465	2465	2465	740	30	16d	6	16d	2465	2465	2465	740
JUS24-2	2	4	16d	2	16d	635	675	675	590	4	16d	2	16d	635	660	660	590	4	16d	2	16d	635	660	660	590
JUS26-2	2	4	16d	2	16d	835	960	1045	615	4	16d	2	16d	835	960	1045	615	4	16d	2	16d	835	960	1045	615
THD26-2		18	16d	12	10d	2060	2370	2575	880	18	16d	12	10d	1280	1280	1280	880	18	16d	12	10d	1075	1075	1075	880
THDH26-2		22	16d	8	16d	3515	4040	4250	655	22	16d	8	16d	1405	1405	1405	655	22	16d	8	16d	1125	1125	1125	655
THD28-2	2	18	16d	12	10d	2060	2370	2575	880	28	16d	12	10d	3070	3070	3070	1725	28	16d	12	10d	1865	1865	1865	1725
THDH28-2		22	16d	8	16d	3515	4040	4250	1720	36	16d	8	16d	5245	5865	5865	1720	36	16d	8	16d	1915	1915	1915	1720

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HF (G=0.43) Allowable Design Loads for Truss Connections

Including Low Heel Height, Short Headers, and ANSI/TPI Reductions

MiTek Stock No.	No of Plies	2x6 Girder Bottom Chord								2x8 Girder Bottom Chord								2x10 Girder Bottom Chord							
		Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)				Fastener Schedule				Allowable Loads (Lbs.)			
		Header		Joist		Download			Uplift	Header		Joist		Download			Uplift	Header		Joist		Download			Uplift
		Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%	Qty	Type	Qty	Type	100%	115%	125%	160%
3.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	400	460	500	275	4	10d	2	10d x 1-1/2	400	460	500	275	4	10d	2	10d x 1-1/2	400	460	500	275
JUS24		4	10d	2	10d	580	595	595	600	4	10d	2	10d	580	595	595	600	4	10d	2	10d	580	595	595	600
HD26	1	4	16d	2	10d x 1-1/2	470	540	585	195	4	16d	2	10d x 1-1/2	470	540	585	195	4	16d	2	10d x 1-1/2	470	540	585	195
JUS26		4	10d	2	10d	580	665	725	550	4	10d	2	10d	580	665	725	550	4	10d	2	10d	580	665	725	550
JL26		8	10d	2	10d x 1-1/2	800	885	885	285	8	10d	2	10d x 1-1/2	800	885	885	285	8	10d	2	10d x 1-1/2	800	885	885	285
MUS26		6	10d	4	10d	950	1035	1035	350	6	10d	4	10d	950	1035	1035	350	6	10d	4	10d	950	970	970	350
THD26		18	16d	8	10d	2110	2425	2640	900	18	16d	8	10d	1280	1280	1280	900	18	16d	8	10d	1075	1075	1075	900
HUS26		14	16d	4	16d	1710	1710	1710	420	14	16d	4	16d	1280	1280	1280	420	14	16d	4	16d	1075	1075	1075	420
JUS28	1	4	10d	2	10d	580	665	725	550	6	10d	2	10d	780	900	980	550	6	10d	2	10d	780	900	980	550
JL28		8	10d	2	10d x 1-1/2	800	885	885	285	10	10d	2	10d x 1-1/2	885	885	885	285	10	10d	2	10d x 1-1/2	885	885	885	285
HD28		8	16d	2	10d x 1-1/2	940	1080	1125	220	8	16d	2	10d x 1-1/2	940	1080	1110	220	8	16d	2	10d x 1-1/2	940	995	995	220
MUS28		6	10d	4	10d	950	1035	1035	350	8	10d	4	10d	1155	1330	1445	350	8	10d	4	10d	1155	1330	1445	350
THD28		18	16d	8	10d	2110	2425	2640	900	28	16d	8	10d	3140	3140	3140	900	28	16d	8	10d	1865	1865	1865	900
HUS28		14	16d	4	16d	1710	1710	1710	420	22	16d	4	16d	1710	1710	1710	420	22	16d	4	16d	1710	1710	1710	420
JUS210	1	4	10d	2	10d	580	665	725	550	6	10d	2	10d	780	900	980	550	8	10d	2	10d	985	1135	1235	550
HD210		8	16d	2	10d x 1-1/2	940	1080	1125	220	10	16d	2	10d x 1-1/2	1125	1125	1125	220	10	16d	2	10d x 1-1/2	1125	1125	1125	220
HUS210		14	16d	4	16d	1710	1710	1710	420	22	16d	4	16d	1710	1710	1710	420	30	16d	4	16d	1710	1710	1710	420
JUS24-2	2	4	16d	2	16d	650	675	675	605	4	16d	2	16d	650	660	660	605	4	16d	2	16d	650	660	660	605
JUS26-2	2	4	16d	2	16d	650	745	810	630	4	16d	2	16d	650	745	810	630	4	16d	2	16d	650	745	810	630
THD26-2		18	16d	8	10d	2110	2425	2640	900	18	16d	8	10d	1280	1280	1280	900	18	16d	8	10d	1075	1075	1075	900
THDH26-2		22	16d	4	16d	3165	3640	3955	670	22	16d	4	16d	1405	1405	1405	670	22	16d	4	16d	1125	1125	1125	670
THD28-2	2	18	16d	8	10d	2110	2425	2640	900	28	16d	8	10d	3140	3140	3140	900	28	16d	8	10d	1865	1865	1865	900
THDH28-2		22	16d	4	16d	3165	3640	3955	670	36	16d	4	16d	4925	5660	6000	670	36	16d	4	16d	1915	1915	1915	670
5.5" Min. Heel Height																									
JL24	1	4	10d	2	10d x 1-1/2	400	460	500	275	4	10d	2	10d x 1-1/2	400	460	500	275	4	10d	2	10d x 1-1/2	400	460	500	275
JUS24		4	10d	2	10d	580	595	595	600	4	10d	2	10d	580	595	595	600	4	10d	2	10d	580	595	595	600
HD26	1	4	16d	2	10d x 1-1/2	470	540	585	195	4	16d	2	10d x 1-1/2	470	540	585	195	4	16d	2	10d x 1-1/2	470	540	585	195
JUS26		4	10d	2	10d	750	860	935	550	4	10d	2	10d	750	860	935	550	4	10d	2	10d	750	800	800	550
JL26		8	10d	4	10d x 1-1/2	800	885	885	285	8	10d	4	10d x 1-1/2	800	885	885	285	8	10d	4	10d x 1-1/2	800	885	885	285
MUS26		6	10d	6	10d	1035	1035	1035	350	6	10d	6	10d	1035	1035	1035	350	6	10d	6	10d	970	970	970	350
THD26		18	16d	12	10d	2110	2425	2640	900	18	16d	12	10d	1280	1280	1280	900	18	16d	12	10d	1075	1075	1075	900
HUS26		14	16d	6	16d	1710	1710	1710	420	14	16d	6	16d	1280	1280	1280	420	14	16d	6	16d	1075	1075	1075	420
JUS28	1	4	10d	2	10d	750	860	935	550	6	10d	2	10d	950	1095	1190	550	6	10d	2	10d	950	1095	1190	550
JL28		8	10d	4	10d x 1-1/2	800	885	885	285	10	10d	4	10d x 1-1/2	885	885	885	285	10	10d	4	10d x 1-1/2	885	885	885	285
HD28		8	16d	4	10d x 1-1/2	940	1080	1125	220	8	16d	4	10d x 1-1/2	940	1080	1110	220	8	16d	4	10d x 1-1/2	940	995	995	220
MUS28		6	10d	6	10d	1035	1035	1035	350	8	10d	6	10d	1325	1525	1625	675	8	10d	6	10d	1325	1500	1500	675
THD28		18	16d	12	10d	2110	2425	2640	900	28	16d	12	10d	3140	3140	3140	1765	28	16d	12	10d	1865	1865	1865	1765
HUS28		14	16d	6	16d	1710	1710	1710	420	22	16d	6	16d	2525	2525	2525	760	22	16d	6	16d	1865	1865	1865	760
JUS210	1	4	10d	2	10d	750	860	935	550	6	10d	2	10d	950	1095	1190	550	8	10d	2	10d	1155	1330	1400	550
HD210		8	16d	4	10d x 1-1/2	940	1080	1125	220	10	16d	4	10d x 1-1/2	1125	1125	1125	220	10	16d	4	10d x 1-1/2	1125	1125	1125	220
HUS210		14	16d	6	16d	1710	1710	1710	420	22	16d	6	16d	2525	2525	2525	760	30	16d	6	16d	2525	2525	2525	760
JUS24-2	2	4	16d	2	16d	650	675	675	605	4	16d	2	16d	650	660	660	605	4	16d	2	16d	650	660	660	605
JUS26-2	2	4	16d	2	16d	850	980	1065	630	4	16d	2	16d	850	980	1065	630	4	16d	2	16d	850	980	1055	630
THD26-2		18	16d	12	10d	2110	2425	2640	900	18	16d	12	10d	1280	1280	1280	900	18	16d	12	10d	1075	1075	1075	900
THDH26-2		22	16d	8	16d	3570	4105	4355	670	22	16d	8	16d	1405	1405	1405	670	22	16d	8	16d	1125	1125	1125	670
THD28-2	2	18	16d	12	10d	2110	2425	2640	900	28	16d	12	10d	3140	3140	3140	1765	28	16d	12	10d	1865	1865	1865	1765
THDH28-2		22	16d	8	16d	3570	4105	4355	1765	36	16d	8	16d	5325	6000	6000	1765	36	16d	8	16d	1915	1915	1915	1765

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