



UNITED STEEL PRODUCTS COMPANY
ENGINEERED PRODUCTS/ENGINEERING SERVICES

ANSI/TPI 1-2002 ALLOWABLE LOADS (Hem Fir)

USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Plys	Fasteners		2 x 4 Supporting Member			2 x 6 Supporting Member			2 x 8 Supporting Member			2 x 10 Supporting Member			2 x 12 Supporting Member		
				Supporting Member	Supported Member	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%
						1 Ply Carried Member														
JL24	LU24	2 ¹ / ₁₆	1	(4) 10d	(2) 10d x 1 1/2	400	460	210	400	460	210	400	460	210	400	460	210	400	460	210
		2 ¹ / ₁₆	1	(4) 16d	(2) 10d x 1 1/2	440	505	210	440	505	210	440	505	210	440	505	210	440	505	210
		2 ¹ / ₁₆	2	(4) 10d	(2) 10d x 1 1/2	400	460	210	400	460	210	400	460	210	400	460	210	400	460	210
		2 ¹ / ₁₆	2	(4) 16d	(2) 10d x 1 1/2	475	545	210	475	545	210	475	545	210	475	545	210	475	545	210
SUH24	U24	2 ¹ / ₁₆	1	(4) 10d	(2) 10d x 1 1/2	410	470	315	410	470	315	410	470	315	410	470	315	410	470	315
		2 ¹ / ₁₆	1	(4) 16d	(2) 10d x 1 1/2	450	510	315	450	510	315	450	510	315	450	510	315	450	510	315
		2 ¹ / ₁₆	2	(4) 10d	(2) 10d x 1 1/2	410	470	315	410	470	315	410	470	315	410	470	315	410	470	315
		2 ¹ / ₁₆	2	(4) 16d	(2) 10d x 1 1/2	485	555	315	485	555	315	485	555	315	485	555	315	485	555	315
JUS24	LUS24	2 ¹ / ₄	1	(4) 10d	(2) 10d	570	655	440	570	655	440	570	655	440	570	655	440	570	655	440
		2 ¹ / ₄	2	(4) 10d	(2) 10d	570	655	440	570	655	440	570	655	440	570	655	440	570	655	440
JL26	LU26	4 ³ / ₈	1	(6) 10d	(4) 10d x 1 1/2	---	---	---	600	690	415	600	690	415	600	690	415	600	690	415
		4 ³ / ₈	1	(6) 16d	(4) 10d x 1 1/2	---	---	---	660	755	415	660	755	415	660	755	415	660	755	415
		4 ³ / ₈	2	(6) 10d	(4) 10d x 1 1/2	---	---	---	600	690	415	600	690	415	600	690	415	600	690	415
		4 ³ / ₈	2	(6) 16d	(4) 10d x 1 1/2	---	---	---	715	820	415	715	820	415	715	800	415	715	800	415
SUH26	U26	4 ³ / ₈	1	(6) 10d	(4) 10d x 1 1/2	---	---	---	610	705	635	610	705	635	610	705	635	610	705	635
		4 ³ / ₈	1	(6) 16d	(4) 10d x 1 1/2	---	---	---	670	770	635	670	770	635	670	770	635	670	770	635
		4 ³ / ₈	2	(6) 10d	(4) 10d x 1 1/2	---	---	---	610	705	635	610	705	635	610	705	635	610	705	635
		4 ³ / ₈	2	(6) 16d	(4) 10d x 1 1/2	---	---	---	725	835	635	725	835	635	725	835	635	725	800	635
HD26	HU26	1 ¹ / ₈	1	(4) 10d	(2) 10d x 1 1/2	---	---	---	415	480	250	415	480	250	415	480	250	415	480	250
		1 ¹ / ₈	1	(4) 16d	(2) 10d x 1 1/2	---	---	---	455	525	250	455	525	250	455	525	250	455	525	250
		1 ¹ / ₈	2	(4) 10d	(2) 10d x 1 1/2	---	---	---	415	480	250	415	480	250	415	480	250	415	480	250
		1 ¹ / ₈	2	(4) 16d	(2) 10d x 1 1/2	---	---	---	495	570	250	495	570	250	495	570	250	495	570	250
JUS26	LUS26	4 ¹ / ₁₆	1	(4) 10d	(4) 10d	---	---	---	740	850	960	740	850	960	740	800	960	740	800	960
		4 ¹ / ₁₆	2	(4) 10d	(4) 10d	---	---	---	740	850	960	740	850	960	740	800	960	740	800	960
MUS26	MUS26	4 ¹ / ₄	1	(6) 10d	(6) 10d	---	---	---	1120	1290	740	1120	1290	740	1120	1290	740	800	800	740
		4 ¹ / ₄	1	(6) 16d	(6) 16d	---	---	---	1230	1410	685	1175	1355	685	1230	1410	685	800	800	685
		4 ¹ / ₄	2	(6) 10d	(6) 10d	---	---	---	1120	1290	740	1120	1290	740	1120	1290	740	800	800	740
		4 ¹ / ₄	2	(6) 16d	(6) 16d	---	---	---	1330	1530	740	1330	1530	740	1330	1530	740	800	800	740
HUS26	HUS26	4 ³ / ₁₆	1	(14) 10d	(6) 10d	---	---	---	1935	2225	1395	1310	1510	1395	1405	1615	1395	800	800	1395
		4 ³ / ₁₆	1	(14) 16d	(6) 16d	---	---	---	2125	2440	1655	1310	1510	1655	1405	1615	1655	800	800	1655
		4 ³ / ₁₆	2	(14) 10d	(6) 10d	---	---	---	1935	2225	1395	1935	2225	1395	1935	2225	1395	800	800	1395
		4 ³ / ₁₆	2	(14) 16d	(6) 16d	---	---	---	2300	2645	1655	2300	2645	1655	2300	2645	1655	800	800	1655
THD26	---	5 ¹ / ₄	1	(18) 10d	(12) 10d x 1 1/2	---	---	---	1835	2110	1900	1210	1395	1900	1390	1600	1900	800	800	1900
		5 ¹ / ₄	1	(18) 16d	(12) 10d x 1 1/2	---	---	---	2010	2310	1900	1210	1395	1900	1390	1600	1900	800	800	1900
		5 ¹ / ₄	2	(18) 10d	(12) 10d x 1 1/2	---	---	---	1835	2110	1900	1835	2110	1900	1835	2110	1900	800	800	1900
		5 ¹ / ₄	2	(18) 16d	(12) 10d x 1 1/2	---	---	---	2180	2505	1900	2180	2505	1900	2180	2505	1900	800	800	1900
JL28	LU28	5 ¹⁵ / ₁₆	1	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	1000	1110	760	1000	1110	760	800	800	760
		5 ¹⁵ / ₁₆	1	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	1100	1265	760	1100	1265	760	800	800	760
		5 ¹⁵ / ₁₆	2	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	1000	1110	760	1000	1110	760	800	800	760
		5 ¹⁵ / ₁₆	2	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	1190	1370	760	1190	1370	760	800	800	760
SUH28	---	6 ¹ / ₁₆	1	(8) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	815	940	685	815	940	685	815	940	685
		6 ¹ / ₁₆	1	(8) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	895	1030	685	895	1030	685	895	1030	685
		6 ¹ / ₁₆	2	(8) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	815	940	685	815	940	685	815	940	685
		6 ¹ / ₁₆	2	(8) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	970	1115	685	970	1115	685	970	1115	685
HD28	HU28	4 ³ / ₈	1	(8) 10d	(4) 10d x 1 1/2	---	---	---	835	960	645	835	960	645	835	960	645	800	800	645
		4 ³ / ₈	1	(8) 16d	(4) 10d x 1 1/2	---	---	---	915	1050	645	915	1050	645	915	1050	645	800	800	645
		4 ³ / ₈	2	(8) 10d	(4) 10d x 1 1/2	---	---	---	835	960	645	835	960	645	835	960	645	800	800	645
		4 ³ / ₈	2	(8) 16d	(4) 10d x 1 1/2	---	---	---	990	1140	645	990	1140	645	990	1140	645	800	800	645
JUS28	LUS28	4 ³ / ₈	1	(6) 10d	(4) 10d	---	---	---	---	---	---	940	1080	960	940	1080	960	940	1080	960
		4 ³ / ₈	2	(6) 10d	(4) 10d	---	---	---	---	---	---	940	1080	960	940	1080	960	940	1080	960
MUS28	MUS28	6 ³ / ₁₆	1	(8) 10d	(8) 10d	---	---	---	---	---	---	1495	1720	1060	1495	1720	1060	1495	1720	1060
		6 ³ / ₁₆	1	(8) 16d	(8) 16d	---	---	---	---	---	---	1640	1885	980	1585	1820	980	1640	1885	980
		6 ³ / ₁₆	2	(8) 10d	(8) 10d	---	---	---	---	---	---	1495	1720	1060	1495	1720	1060	1495	1720	1060
		6 ³ / ₁₆	2	(8) 16d	(8) 16d	---	---	---	---	---	---	1775	2040	1060	1775	2040	1060	1775	2040	1060
HUS28	HUS28	6 ¹¹ / ₁₆	1	(22) 10d	(8) 10d	---	---	---	---	---	---	2920	3145	1860	1815	2090	1860	1775	2040	1860
		6 ¹¹ / ₁₆	1	(22) 16d	(8) 16d	---	---	---	---	---	---	3205	3450	2210	1815	2090	2210	1775	2040	2210
		6 ¹¹ / ₁₆	2	(22) 10d	(8) 10d	---	---	---	---	---	---	2920	3145	1860	2920	3145	1860	2920	3145	1860
		6 ¹¹ / ₁₆	2	(22) 16d	(8) 16d	---	---	---	---	---	---	3470	3735	2210	3470	3735	2210	3470		



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				Supporting Member	Supported Member	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	
						2 Ply Carried Member															
SUH210	U210	6 1/16	1	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1020	1175	950	1020	1175	950	
		6 1/16	1	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1115	1285	950	1115	1285	950	
		6 1/16	2	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1020	1175	950	1020	1175	950	
HD210	HU210	4 3/8	1	(12) 10d	(4) 10d x 1 1/2	---	---	---	---	---	---	1255	1415	645	1255	1415	645	1255	1415	645	
		4 3/8	1	(12) 16d	(4) 10d x 1 1/2	---	---	---	---	---	---	---	1375	1550	645	1375	1550	645	1375	1550	645
		4 3/8	2	(12) 10d	(4) 10d x 1 1/2	---	---	---	---	---	---	---	1255	1415	645	1255	1415	645	1255	1415	645
JUS210	LUS210	4 3/8	1	(8) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1140	1310	960	1140	1310	960	
		4 3/8	2	(8) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1140	1310	960	1140	1310	960	
		8 7/16	1	(30) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	3405	3685	2320	3405	3685	2320	
HUS210	HUS210	8 7/16	1	(30) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	3735	4040	2755	3735	4040	2755	
		8 7/16	2	(30) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	3405	3685	2320	3405	3685	2320	
		8 7/16	2	(30) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	4045	4375	2755	4045	4375	2755	
THD210	---	9 1/16	1	(38) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	3205	3455	2665	3205	3455	2665	
		9 1/16	1	(38) 16d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	3510	3785	2665	3510	3785	2665	
		9 1/16	2	(38) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	3205	3455	2665	3205	3455	2665	
MSH29	THA29	3 1/4	1	(18) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1765	1825	675	1765	1825	675	
		3 1/4	2	(18) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1765	1825	675	1765	1825	675	
		3 1/4	2	(18) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1765	1825	675	1765	1825	675	
2 Ply Carried Member																					
SUH24-2	U24-2	3	1	(6) 10d	(2) 10d	610	705	325	610	705	325	610	705	325	610	705	325	610	705	325	
		3	1	(6) 16d	(2) 16d	670	770	325	670	770	325	670	770	325	670	770	325	670	770	325	
		3	2	(6) 10d	(2) 10d	610	705	325	610	705	325	610	705	325	610	705	325	610	705	325	
JUS24-2	LUS24-2	3	2	(6) 16d	(2) 16d	725	835	325	725	835	325	725	835	325	725	835	325	725	835	325	
		2 3/8	1	(4) 10d	(2) 10d	565	655	235	565	655	235	565	655	235	565	655	235	565	655	235	
		2 3/8	1	(4) 16d	(2) 16d	630	725	280	630	725	280	630	725	280	630	725	280	630	725	280	
HUS24-2	---	2 3/8	2	(4) 10d	(2) 10d	565	655	235	565	655	235	565	655	235	565	655	235	565	655	235	
		2 3/8	2	(4) 16d	(2) 16d	680	785	280	680	785	280	680	785	280	680	785	280	680	785	280	
		2 3/8	2	(4) 10d	(2) 10d	590	680	360	590	680	360	590	680	360	590	680	360	590	680	360	
SUH26-2	U26-2	4 1 1/16	1	(8) 10d	(4) 10d	---	---	---	815	940	655	815	940	655	815	940	655	815	940	655	
		4 1 1/16	1	(8) 16d	(4) 16d	---	---	---	895	1030	655	895	1030	655	895	1030	655	895	1030	655	
		4 1 1/16	2	(8) 10d	(4) 10d	---	---	---	815	940	655	815	940	655	815	940	655	815	940	655	
HD26-2	HU26-2	4 1 1/16	2	(8) 16d	(4) 16d	---	---	---	970	1115	655	970	1115	655	970	1115	655	970	1115	655	
		5 1/16	1	(12) 10d	(6) 10d	---	---	---	1255	1440	1010	1255	1440	1010	1255	1440	1010	1255	1440	1010	
		5 1/16	1	(12) 16d	(6) 16d	---	---	---	1375	1580	1010	1375	1580	1010	1375	1580	1010	1375	1580	1010	
JUS26-2	LUS26-2	5 1/16	2	(12) 10d	(6) 10d	---	---	---	1255	1440	1010	1255	1440	1010	1255	1440	1010	1255	1440	1010	
		5 1/16	2	(12) 16d	(6) 16d	---	---	---	1490	1710	1010	1490	1710	1010	1490	1710	1010	1490	1710	1010	
		4 1 1/16	1	(4) 10d	(4) 10d	---	---	---	735	845	970	735	845	970	735	845	970	735	845	970	
HUS26-2	HUS26-2	4 1 1/16	1	(4) 16d	(4) 16d	---	---	---	815	935	1165	815	935	1165	815	935	1165	815	935	1165	
		4 1 1/16	2	(4) 10d	(4) 10d	---	---	---	735	845	970	735	845	970	735	845	970	735	845	970	
		4 1 1/16	2	(4) 16d	(4) 16d	---	---	---	885	1015	1165	885	1015	1165	885	1015	1165	885	1015	1165	
THD26-2	HHUS26-2	4 1 1/16	1	(4) 10d	(4) 10d	---	---	---	760	870	805	760	870	805	760	870	805	760	870	805	
		4 1 1/16	1	(4) 16d	(4) 16d	---	---	---	830	955	955	830	955	955	830	955	955	830	955	955	
		4 1 1/16	2	(4) 10d	(4) 10d	---	---	---	760	870	805	760	870	805	760	870	805	760	870	805	
THDH26-2	HGUS26-2	4 1 1/16	2	(4) 16d	(4) 16d	---	---	---	900	1035	955	900	1035	955	900	1035	955	900	1035	955	
		5 1/8	1	(18) 10d	(12) 10d	---	---	---	1880	2160	2015	1880	2160	2015	1880	2160	2015	1880	2160	2015	
		5 1/8	1	(18) 16d	(12) 16d	---	---	---	2060	2370	2015	2060	2370	2015	2060	2370	2015	2060	2370	2015	
SUH28-2	---	5 1/8	2	(18) 10d	(12) 10d	---	---	---	1880	2160	2015	1880	2160	2015	1880	2160	2015	1880	2160	2015	
		5 1/8	2	(18) 16d	(12) 16d	---	---	---	2230	2565	2015	2230	2565	2015	2230	2565	2015	2230	2565	2015	
		4 1 1/16	1	(22) 10d	(8) 10d	---	---	---	2890	3320	1620	2890	3320	1620	2890	3320	1620	2890	3320	1620	
SUH28-2	---	4 1 1/16	1	(22) 16d	(8) 16d	---	---	---	3165	3635	1925	3165	3635	1925	3165	3635	1925	3165	3635	1925	
		4 1 1/16	1	(10) 10d	(4) 10d	---	---	---	2890	3320	1620	2890	3320	1620	2890	3320	1620	2890	3320	1620	
		4 1 1/16	2	(22) 10d	(8) 10d	---	---	---	2890	3320	1620	2890	3320	1620	2890	3320	1620	2890	3320	1620	
HD28-2	HU28-2	4 1 1/16	2	(22) 16d	(8) 16d	---	---	---	3430	3940	1925	3430	3940	1925	3430	3940	1925	3430	3940	1925	
		4 1 1/16	1	(10) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1020	1175	655	1020	1175	655	
		4 1 1/16	1	(10) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	1115	1285	655	1115	1285	655	
JUS28-2	LUS28-2	4 1 1/16	2	(10) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1020	1175	655	1020	1175	655	
		4 1 1/16	2	(10) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	1210	1390	655	1210	1390	655	
		5 1/16	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1460	1680	1010	1460	1680	1010	
SUH28-2	---	5 1/16	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1600	1840	1010	1600	1840	1010	
		5 1/16	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1460	1680	1010	1460	1680	1010	
		5 1/16	2	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1735	1995	1010	1735	1995	1010	
JUS28-2	LUS28-2	4 1 1/16	1	(6) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	935	1080	970	935	1080	970	
		4 1 1/16	1	(6) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	1040	1195	1165	1040	1195	1165	
		4 1 1/16	2	(6) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	935	1080	970	935	1080	970	



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ANSI/TPI 1-2002 ALLOWABLE LOADS (Hem Fir)

USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Plys	Fasteners		2 x 4 Supporting Member			2 x 6 Supporting Member			2 x 8 Supporting Member			2 x 10 Supporting Member			2 x 12 Supporting Member			
				Supporting Member	Supported Member	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	
HUS28-2	HUS28-2	6 ⁷ / ₈	1	(6) 10d	(6) 10d	---	---	---	---	---	---	1135	1305	1310	1135	1305	1310	1135	1305	1310	
		6 ⁷ / ₈	1	(6) 16d	(6) 16d	---	---	---	---	---	---	---	1245	1430	1555	1245	1430	1555	1245	1430	1555
		6 ⁷ / ₈	2	(6) 10d	(6) 10d	---	---	---	---	---	---	---	1135	1305	1310	1135	1305	1310	1135	1305	1310
THD28-2	HHUS28-2	6 ⁷ / ₈	2	(6) 16d	(6) 16d	---	---	---	---	---	---	1350	1550	1555	1350	1550	1555	1350	1550	1555	
		7 ¹ / ₈	1	(28) 10d	(16) 10d	---	---	---	---	---	---	---	2920	3365	2230	1815	2090	2230	1775	2040	2230
		7 ¹ / ₈	1	(28) 16d	(16) 16d	---	---	---	---	---	---	---	3205	3690	2230	1815	2090	2230	1775	2040	2230
THDH28-2	HGUS28-2	7 ¹ / ₈	2	(28) 10d	(16) 10d	---	---	---	---	---	---	2920	3365	2230	2920	3365	2230	2920	3365	2230	
		7 ¹ / ₈	2	(28) 16d	(16) 16d	---	---	---	---	---	---	---	3470	3995	2230	3470	3995	2230	3470	3995	2230
		6 ⁷ / ₈	1	(36) 10d	(10) 10d	---	---	---	---	---	---	---	4820	5545	1930	1815	2090	1930	1775	2040	1930
SUH210-2	U210-2	6 ⁷ / ₈	1	(36) 16d	(10) 16d	---	---	---	---	---	---	5285	6080	2290	1815	2090	2290	1775	2040	2290	
		6 ¹³ / ₁₆	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	4820	5545	1930	3635	4180	1930	3550	4085	1930
		6 ¹³ / ₁₆	2	(36) 16d	(10) 16d	---	---	---	---	---	---	---	5725	6585	2290	3635	4180	2290	3550	4085	2290
HD210-2	HU210-2	8	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1430	1640	980	1430	1640	980	
		8	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1565	1800	980	1565	1800	980
		8	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1430	1640	980	1430	1640	980
JUS210-2	LUS210-2	8	2	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1695	1950	980	1695	1950	980	
		8 ⁷ / ₈	1	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	1880	2160	1680	1880	2160	1680
		8 ⁷ / ₈	1	(18) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	2060	2370	1680	2060	2370	1680
HUS210-2	HUS210-2	8 ⁷ / ₈	2	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	1880	2160	1680	1880	2160	1680	
		8 ⁷ / ₈	2	(18) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	2230	2565	1680	2230	2565	1680
		8 ⁷ / ₈	2	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	1300	1500	1420	1300	1500	1420
JUS210-2	LUS210-2	8 ⁷ / ₈	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1445	1660	1705	1445	1660	1705	
		8 ⁷ / ₈	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1300	1500	1420	1300	1500	1420
		8 ⁷ / ₈	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1565	1800	1705	1565	1800	1705
THD210-2	HHUS210-2	8 ⁷ / ₈	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1515	1745	1600	1515	1745	1600	
		8 ⁷ / ₈	1	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	1660	1910	1900	1660	1910	1900
		8 ⁷ / ₈	2	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	---	1800	2070	1900	1800	2070	1900
THDH210-2	HGUS210-2	9 ¹ / ₈	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	3965	4565	3310	2530	2910	3310	
		9 ¹ / ₈	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	4350	5005	3310	2530	2910	3310
		9 ¹ / ₈	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	3965	4565	3310	3965	4565	3310
THDH210-2	HGUS210-2	9 ¹ / ₈	2	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	4710	5420	3310	4710	5420	3310	
		8 ¹¹ / ₁₆	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	5980	5980	2525	2530	2910	2525
		8 ¹¹ / ₁₆	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	6555	6555	3000	2530	2910	3000
JUS26-3	LUS26-3	8 ¹¹ / ₁₆	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	5980	5980	2525	5065	5825	2525	
		8 ¹¹ / ₁₆	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	7100	7100	3000	5065	5825	3000
		8 ¹¹ / ₁₆	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	7100	7100	3000	5065	5825	3000
3 Ply Carried Member																					
THD26-3	HGUS26-3	4 ¹ / ₁₆	1	(4) 10d	(4) 10d	---	---	---	735	845	970	735	845	970	735	800	970	735	800	970	
		4 ¹ / ₁₆	1	(4) 16d	(4) 16d	---	---	---	815	935	1165	815	935	1165	800	800	1165	800	800	1165	
		4 ¹ / ₁₆	2	(4) 10d	(4) 10d	---	---	---	735	845	970	735	845	970	735	800	970	735	800	970	
JUS28-3	LUS28-3	4 ¹ / ₁₆	2	(4) 16d	(4) 16d	---	---	---	885	1015	1165	885	1015	1165	800	800	1165	800	800	1165	
		4 ¹ / ₁₆	1	(20) 10d	(8) 10d	---	---	---	2890	3320	1620	1310	1510	1620	1405	1615	1620	800	800	1620	
		4 ¹ / ₁₆	1	(20) 16d	(8) 16d	---	---	---	3165	3635	1925	1310	1510	1925	1405	1615	1925	800	800	1925	
THDH28-3	HGUS28-3	4 ¹ / ₁₆	2	(20) 10d	(8) 10d	---	---	---	2890	3320	1620	2625	3020	1620	2810	3230	1620	800	800	1620	
		4 ¹ / ₁₆	2	(20) 16d	(8) 16d	---	---	---	3430	3940	1925	2625	3020	1925	2810	3230	1925	800	800	1925	
		4 ¹ / ₁₆	1	(6) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	---	935	1080	970	935	1080	970
JUS210-3	LUS210-3	4 ¹ / ₁₆	1	(6) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	1040	1195	1165	1040	1195	1165	
		4 ¹ / ₁₆	2	(6) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	---	935	1080	970	935	1080	970
		4 ¹ / ₁₆	2	(6) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	---	1125	1295	1165	1125	1295	1165
THD210-3	HHUS210-3	7 ¹ / ₈	1	(36) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	4995	5740	1930	1820	2090	1930	
		7 ¹ / ₈	1	(36) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	5475	6290	2290	1820	2090	2290
		7 ¹ / ₈	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	4995	5740	1930	3635	4180	1930
THDH210-3	HGUS210-3	7 ¹ / ₈	2	(36) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	5930	6815	2290	3635	4180	2290	
		7 ¹ / ₈	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1300	1500	1420	1300	1500	1420
		7 ¹ / ₈	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1445	1660	1705	1445	1660	1705
THD210-3	HHUS210-3	7 ¹ / ₈	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1300	1500	1420	1300	1500	1420	
		7 ¹ / ₈	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1565	1800	1705	1565	1800	1705
		8 ⁷ / ₈	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	4195	4820	3310	4195	4820	3310
THDH210-3	HGUS210-3	8 ⁷ / ₈	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	4595	5285	3310	2360	2710	3310	
		8 ⁷ / ₈	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	4195	4820	3310	4195	4820	3310
		8 ⁷ / ₈	2	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	4980	5725	3310	4715	5425	3310
THD210-3	HHUS210-3	8 ¹¹ / ₁₆	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6435	7135	3305	2530	2910	3305	
		8 ¹¹																			



UNITED STEEL PRODUCTS COMPANY
ENGINEERED PRODUCTS/ENGINEERING SERVICES

ANSI/TPI 1-2002 ALLOWABLE LOADS (Hem Fir)

USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Pys	Fasteners		2 x 4 Supporting Member			2 x 6 Supporting Member			2 x 8 Supporting Member			2 x 10 Supporting Member			2 x 12 Supporting Member		
				Supporting Member	Supported Member	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%
						4x Connectors														
4x Connectors																				
JUS44	LUS44	2 3/8	1	(4) 10d	(2) 10d	565	655	235	565	655	235	565	655	235	565	655	235	565	655	235
		2 3/8	1	(4) 16d	(2) 16d	630	725	280	630	725	280	630	725	280	630	725	280	630	725	280
		2 3/8	2	(4) 10d	(2) 10d	565	655	235	565	655	235	565	655	235	565	655	235	565	655	235
JUS46	LUS46	2 3/8	2	(4) 16d	(2) 16d	680	785	280	680	785	280	680	785	280	680	785	280	680	785	280
		4 9/16	1	(4) 10d	(4) 10d	---	---	---	735	845	970	735	845	970	735	845	970	735	845	970
		4 9/16	1	(4) 16d	(4) 16d	---	---	---	815	935	1165	815	935	1165	815	935	1165	815	935	1165
HUS46	HUS46	4 9/16	2	(4) 10d	(4) 10d	---	---	---	735	845	970	735	845	970	735	845	970	735	845	970
		4 9/16	2	(4) 16d	(4) 16d	---	---	---	885	1015	1165	885	1015	1165	885	1015	1165	885	1015	1165
		4 9/16	1	(4) 10d	(4) 10d	---	---	---	760	870	805	760	870	805	760	870	805	760	870	805
THD46	HHUS46	4 9/16	1	(4) 16d	(4) 16d	---	---	---	830	955	955	830	955	955	830	955	955	830	955	955
		4 9/16	2	(4) 10d	(4) 10d	---	---	---	760	870	805	760	870	805	760	870	805	760	870	805
		4 9/16	2	(4) 16d	(4) 16d	---	---	---	900	1035	955	900	1035	955	900	1035	955	900	1035	955
THDH46	HGUS46	5 1/2	1	(18) 10d	(12) 10d	---	---	---	1880	2160	2015	1290	1485	2015	1400	1610	2015	800	800	2015
		5 1/2	1	(18) 16d	(12) 16d	---	---	---	2060	2370	2015	1290	1485	2015	1400	1610	2015	800	800	2015
		5 1/2	2	(18) 10d	(12) 10d	---	---	---	1880	2160	2015	1880	2160	2015	1880	2160	2015	800	800	2015
HD48	HU48	5 1/2	2	(18) 16d	(12) 16d	---	---	---	2230	2565	2015	2230	2565	2015	2230	2565	2015	800	800	2015
		4 3/4	1	(22) 10d	(8) 10d	---	---	---	2890	3320	1885	1270	1460	1885	1395	1605	1885	800	800	1885
		4 3/4	1	(22) 16d	(8) 16d	---	---	---	3165	3635	2240	1270	1460	2240	1395	1605	2240	800	800	2240
JUS48	LUS48	4 3/4	2	(22) 10d	(8) 10d	---	---	---	2890	3320	1885	2540	2920	1885	2795	3210	1885	800	800	1885
		4 3/4	2	(22) 16d	(8) 16d	---	---	---	3430	3940	2240	2540	2920	2240	2795	3210	2240	800	800	2240
		4 15/16	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	1460	1680	1010	1460	1680	1010	1460	1680
HUS48	HUS48	4 15/16	1	(14) 16d	(6) 16d	---	---	---	---	---	---	1600	1840	1010	1600	1840	1010	1600	1840	1010
		4 15/16	2	(14) 10d	(6) 10d	---	---	---	---	---	---	1460	1680	1010	1460	1680	1010	1460	1680	1010
		4 15/16	2	(14) 16d	(6) 16d	---	---	---	---	---	---	1735	1995	1010	1735	1995	1010	1735	1995	1010
THD48	HHUS48	4 15/16	1	(6) 10d	(4) 10d	---	---	---	---	---	---	935	1080	970	935	1080	970	935	1080	970
		4 15/16	1	(6) 16d	(4) 16d	---	---	---	---	---	---	1040	1195	1165	1040	1195	1165	1040	1195	1165
		4 15/16	2	(6) 10d	(4) 10d	---	---	---	---	---	---	935	1080	970	935	1080	970	935	1080	970
THDH48	HGUS48	4 15/16	2	(6) 16d	(4) 16d	---	---	---	---	---	---	1125	1295	1165	1125	1295	1165	1125	1295	1165
		6 1/4	1	(6) 10d	(6) 10d	---	---	---	---	---	---	1135	1305	1310	1135	1305	1310	1135	1305	1310
		6 1/4	1	(6) 16d	(6) 16d	---	---	---	---	---	---	1245	1430	1555	1245	1430	1555	1245	1430	1555
SUH410	U410	6 1/4	2	(6) 10d	(6) 10d	---	---	---	---	---	---	1135	1305	1310	1135	1305	1310	1135	1305	1310
		6 1/4	2	(6) 16d	(6) 16d	---	---	---	---	---	---	1350	1550	1555	1350	1550	1555	1350	1550	1555
		7 1/8	1	(28) 10d	(16) 10d	---	---	---	---	---	---	2920	3365	2230	1790	2055	2230	1765	2030	2230
JUS410	LUS410	7 1/8	1	(28) 16d	(16) 16d	---	---	---	---	---	---	3205	3690	2230	1790	2055	2230	1765	2030	2230
		7 1/8	2	(28) 10d	(16) 10d	---	---	---	---	---	---	2920	3365	2230	2920	3365	2230	2920	3365	2230
		7 1/8	2	(28) 16d	(16) 16d	---	---	---	---	---	---	3470	3995	2230	3470	3995	2230	3470	3995	2230
THD410	HHUS410	6 3/8	1	(36) 10d	(10) 10d	---	---	---	---	---	---	4820	5545	2305	1760	2025	2305	1760	2020	2305
		6 3/8	1	(36) 16d	(10) 16d	---	---	---	---	---	---	5285	6080	2740	1760	2025	2740	1760	2020	2740
		6 3/8	2	(36) 10d	(10) 10d	---	---	---	---	---	---	4820	5545	2305	3520	4050	2305	3515	4045	2305
THDH410	HGUS410	6 3/8	2	(36) 16d	(10) 16d	---	---	---	---	---	---	5725	6585	2740	3520	4050	2740	3515	4045	2740
		7 3/4	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1430	1640	980	1430	1640	980
		7 3/4	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1565	1800	980	1565	1800	980
HUS410	HUS410	7 3/4	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	1430	1640	980	1430	1640	980	
		7 3/4	2	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1695	1950	980	1695	1950	980
		8 1/8	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1300	1500	1420	1300	1500	1420
THD410	HHUS410	8 1/8	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	1445	1660	1705	1445	1660	1705	
		8 1/8	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1300	1500	1420	1300	1500	1420
		8 1/8	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1565	1800	1705	1565	1800	1705
THDH410	HGUS410	8 1/8	1	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	1515	1745	1600	1515	1745	1600	
		8 1/8	1	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	1660	1910	1900	1660	1910	1900
		8 1/8	2	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	1515	1745	1600	1515	1745	1600
THDH412	HGUS412	8 1/8	2	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	1800	2070	1900	1800	2070	1900	
		9 1/16	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	3965	4565	3310	2485	2860	3310
		9 1/16	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	4350	5005	3310	2485	2860	3310
THDH412	HGUS412	9 1/16	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	3965	4565	3310	3965	4565	3310	
		9 1/16	2	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	4710	5420	3310	4710	5420	3310
		8 1/2	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6095	6525	2875	2440	2805	3415
HD17925	HU9	8 1/2	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	6685	7155	3415	2440	2805	3415	
		8 1/2	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6095	6525	2875	4875	5610	2875
		8 1/2	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	7240	7750	3415	4875	5610	3415
Miscellaneous		10 1/2	1	(56) 10d	(14) 10d	---	---	---	---	---	---	---	---	---	---	---	---	7135	7135	3785
		10 1/2	1	(56) 16d	(14) 16d	---	---	---	---	---	---	---	---	---	---	---	---	7820	7820	4495
		10 1/2	2	(56) 10d	(14) 10d	---	---	---	---	---	---	---	---	---	---	---	---	8470	8470	4495
HD17925	HU9	10 1/2	2	(56) 16d	(14) 16d	---	---	---	---	---	---	---	---	---	---	---	---	8470	8470	4495
		8	1	(18) 10d	(6) 10d x 1 1/2	---	---	---</												



UNITED STEEL PRODUCTS COMPANY
ENGINEERED PRODUCTS/ENGINEERING SERVICES

ANSI/TPI 1-2002 ALLOWABLE LOADS (Hem Fir)

USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Pys	Fasteners		2 x 4 Supporting Member			2 x 6 Supporting Member			2 x 8 Supporting Member			2 x 10 Supporting Member			2 x 12 Supporting Member			
				Supporting Member	Supported Member	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	
THDH610	HGUS5.50/10	8 ¹⁹ / ₁₆	1	(46) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	6435	7135	3305	2390	2750	3305	
		8 ¹⁵ / ₁₆	1	(46) 16d	(16) 16d	---	---	---	---	---	---	---	---	---	---	7050	7825	3925	2390	2750	3925
		8 ¹¹ / ₁₆	2	(46) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	---	6435	7135	3305	4780	5500	3305
THDH7210	HGUS7.25/10	8 ¹⁹ / ₁₆	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6095	6525	2875	2320	2670	2875	
		8 ¹⁵ / ₁₆	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	6685	7155	3415	2320	2670	3415
		8 ¹¹ / ₁₆	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	6095	6525	2875	4640	5335	2875
45° Skewed Connectors																					
SKH24L/R	SUR/L24	3 ¹ / ₄	1	(4) 10d	(4) 10d x 1 1/2	410	430	565	410	430	565	410	430	565	410	430	565	410	430	565	
		3 ¹ / ₄	1	(4) 16d	(4) 10d x 1 1/2	450	470	565	450	470	565	450	470	565	450	470	565	450	470	565	
		3 ¹ / ₄	2	(4) 10d	(4) 10d x 1 1/2	410	430	565	410	430	565	410	430	565	410	430	565	410	430	565	
SKH26L/R	SUR/L26	4 ¹ / ₈	1	(6) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	610	705	950	610	705	950	
		4 ¹ / ₈	1	(6) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	670	770	950	670	770	950
		4 ¹ / ₈	2	(6) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	610	705	950	610	705	950
SKHH26L/R	---	5	1	(18) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1130	1295	1940	1130	1295	1940	
		5	1	(18) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1235	1420	1940	1235	1420	1940
		5	2	(18) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1130	1295	1940	1130	1295	1940
SKH28L/R	---	6 ¹⁹ / ₁₆	1	(10) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1020	1170	1265	1020	1170	1265	
		6 ¹⁵ / ₁₆	1	(10) 16d	(8) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1115	1285	1265	1115	1285	1265
		6 ¹¹ / ₁₆	2	(10) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1020	1170	1265	1020	1170	1265
SKHH28L/R	---	6 ¹⁹ / ₁₆	1	(16) 10d	(16) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1210	1390	1265	1210	1390	1265	
		6 ¹⁵ / ₁₆	1	(26) 16d	(16) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1785	2055	2585	1705	1965	2585
		6 ¹¹ / ₁₆	2	(26) 10d	(16) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1630	1875	2585	1630	1875	2585
SKH210L/R	SUR/L210	8 ¹¹ / ₁₆	1	(14) 10d	(10) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	1425	1505	1565	
		8 ¹¹ / ₁₆	1	(14) 16d	(10) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	1565	1650	1565	
		8 ¹¹ / ₁₆	2	(14) 10d	(10) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	1425	1505	1565	
SKHH210L/R	---	8 ¹⁹ / ₁₆	1	(34) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	1695	1790	1565	
		8 ¹⁵ / ₁₆	1	(34) 16d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	2335	2685	3230	
		8 ¹¹ / ₁₆	2	(34) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	2130	2450	3230	
SKH26L/R-2	SUR/L26-2	3 ¹ / ₈	1	(6) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	610	705	980	610	705	980	
		3 ¹ / ₈	1	(6) 16d	(6) 10d	---	---	---	---	---	---	---	---	---	---	670	770	980	670	770	980
		3 ¹ / ₈	2	(6) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	610	705	980	610	705	980
SKHH26L/R-2	HSUR/L26-2	4 ¹ / ₂	1	(12) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1255	1440	795	1255	1440	795	
		4 ¹ / ₂	1	(12) 16d	(4) 16d x 2 1/2	---	---	---	---	---	---	---	---	---	---	1375	1580	795	1375	1580	795
		4 ¹ / ₂	2	(12) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	---	1255	1440	795	1255	1440	795
SKH28L/R-2	---	6 ¹⁹ / ₁₆	1	(10) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1020	1170	1305	
		6 ¹⁵ / ₁₆	1	(10) 16d	(8) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1115	1285	1305	
		6 ¹¹ / ₁₆	2	(10) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1020	1170	1305	
SKH210L/R-2	SUR/L210-2	8 ¹¹ / ₁₆	1	(14) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1425	1640	1565	
		8 ¹¹ / ₁₆	1	(14) 16d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1565	1800	1565	
		8 ¹¹ / ₁₆	2	(14) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1425	1640	1565	
SKHH210L/R-2	HSUR/L210-2	7 ¹⁹ / ₁₆	1	(20) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1695	1950	1565	
		7 ¹⁵ / ₁₆	1	(20) 16d	(6) 16d x 2 1/2	---	---	---	---	---	---	---	---	---	---	---	---	2290	2630	1190	
		7 ¹¹ / ₁₆	2	(20) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	2090	2400	1000	
SKH46L/R	SUR/L46	4 ¹ / ₈	1	(10) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	800	800	1190	
		4 ¹ / ₈	1	(10) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	---	800	800	1190	
		4 ¹ / ₈	2	(10) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	800	800	1190	
SKHH46L/R	HSUR/L46	4 ¹ / ₈	1	(12) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	800	800	1190	
		4 ¹ / ₂	1	(12) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1375	1580	1190	
		4 ¹ / ₂	2	(12) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1255	1440	1000	
SKH410L/R	SUR/L410	6 ¹ / ₄	1	(16) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1670	1920	1565	
		6 ¹ / ₄	1	(16) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1830	2105	1565	
		6 ¹ / ₄	2	(16) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1670	1920	1565	
		6 ¹ / ₄	2	(16) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1985	2280	1565	



USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Pys	Fasteners		2 x 4 Supporting Member			2 x 6 Supporting Member			2 x 8 Supporting Member			2 x 10 Supporting Member			2 x 12 Supporting Member			
				Supporting Member	Supported Member	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	Download		Uplift	
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	
SKKH410L/R	HSUR/L410	7	1	(20) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	2090	2400	1670	2090	2400	1670	
		7	1	(20) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	2290	2630	1985	2290	2630	1985	
		7	2	(20) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	2090	2400	1670	2090	2400	1670
		7	2	(20) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	2480	2850	1985	2480	2850	1985
Hip/Jack Connectors																					
BN264	---	2 ⁷ / ₈	1	(20) 10d	(8) 10d x 1 1/2	---	---	---	2100	2415	555	1270	1460	555	1395	1605	555	800	800	555	
		2 ⁷ / ₈	2	(20) 10d	(8) 10d x 1 1/2	---	---	---	2100	2415	555	1270	1460	555	1395	1605	555	800	800	555	
BN284	---	2 ⁷ / ₈	1	(20) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	2100	2415	555	1760	2025	555	1760	2020	555	
		2 ⁷ / ₈	2	(20) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	2100	2415	555	2100	2415	555	2100	2415	555	
HTHJ26-18	LTHJR/L	4 ⁷ / ₈	1	(16) 10d	(12) 10d	---	---	---	1385	1595	1045	1155	1330	1045	800	800	1045	800	800	1045	
		4 ⁷ / ₈	1	(16) 16d	(12) 16d	---	---	---	1385	1595	1145	1155	1330	1145	800	800	1145	800	800	1145	
		4 ⁷ / ₈	2	(16) 10d	(12) 10d	---	---	---	1615	1860	1045	1615	1860	1045	800	800	1045	800	800	1045	
		4 ⁷ / ₈	2	(16) 16d	(12) 16d	---	---	---	1920	2210	1240	1920	2210	1240	800	800	1240	800	800	1240	
HJC26	---	5 ⁹ / ₁₆	1	(16) 10d	(12) 10d	---	---	---	1765	2030	1345	1310	1510	1345	1405	1615	1345	800	800	1345	
		5 ⁹ / ₁₆	1	(16) 16d	(12) 10d	---	---	---	1935	2225	1345	1310	1510	1345	1405	1615	1345	800	800	1345	
		5 ⁹ / ₁₆	2	(16) 10d	(12) 10d	---	---	---	1765	2030	1345	1765	2030	1345	1765	2030	1345	800	800	1345	
		5 ⁹ / ₁₆	2	(16) 16d	(12) 10d	---	---	---	2095	2410	1345	2095	2410	1345	2095	2410	1345	800	800	1345	
HHC26	---	4 ¹⁵ / ₁₆	1	(20) 10d	(10) 10d	---	---	---	2205	2540	1580	1290	1485	1580	1400	1610	1580	800	800	1580	
		4 ¹⁵ / ₁₆	1	(20) 16d	(10) 10d	---	---	---	2420	2785	1580	1290	1485	1580	1400	1610	1580	800	800	1580	
		4 ¹⁵ / ₁₆	2	(20) 10d	(10) 10d	---	---	---	2205	2540	1580	2205	2540	1580	2205	2540	1580	800	800	1580	
		4 ¹⁵ / ₁₆	2	(20) 16d	(10) 10d	---	---	---	2620	3015	1580	2620	2970	1580	2620	3015	1580	800	800	1580	
HJHC26	---	5 ⁹ / ₁₆	1	(20) 10d	(12) 10d	---	---	---	2205	2540	1580	1290	1485	1580	1400	1610	1580	800	800	1580	
		5 ⁹ / ₁₆	1	(20) 16d	(12) 10d	---	---	---	2420	2785	1580	1290	1485	1580	1400	1610	1580	800	800	1580	
		5 ⁹ / ₁₆	2	(20) 10d	(12) 10d	---	---	---	2205	2540	1580	2205	2540	1580	2205	2540	1580	800	800	1580	
		5 ⁹ / ₁₆	2	(20) 16d	(12) 10d	---	---	---	2620	3015	1580	2620	2970	1580	2620	3015	1580	800	800	1580	
HJC28	---	6 ¹ / ₄	1	(20) 10d	(14) 10d	---	---	---	---	---	---	2205	2540	1570	1820	2090	1570	1775	2040	1570	
		6 ¹ / ₄	1	(20) 16d	(14) 10d	---	---	---	---	---	---	2420	2785	1570	1820	2090	1570	1775	2040	1570	
		6 ¹ / ₄	2	(20) 10d	(14) 10d	---	---	---	---	---	---	2205	2540	1570	2205	2540	1570	2205	2540	1570	
		6 ¹ / ₄	2	(20) 16d	(14) 10d	---	---	---	---	---	2620	3015	1570	2620	3015	1570	2620	3015	1570		
HHC28	---	6	1	(24) 10d	(12) 10d	---	---	---	---	---	---	2540	2540	1580	1775	2040	1580	1760	2025	1580	
		6	1	(24) 16d	(12) 10d	---	---	---	---	---	---	2785	2785	1580	1775	2040	1580	1760	2025	1580	
		6	2	(24) 10d	(12) 10d	---	---	---	---	---	---	2540	2540	1580	2540	2540	1580	2540	2540	1580	
		6	2	(24) 16d	(12) 10d	---	---	---	---	---	3015	3015	1580	3015	3015	1580	3015	3015	1580		
HJHC28	MTHM	6 ¹ / ₂	1	(24) 10d	(14) 10d	---	---	---	---	---	---	2540	2540	1580	1790	2055	1580	1765	2030	1580	
		6 ¹ / ₂	1	(24) 16d	(14) 10d	---	---	---	---	---	---	2785	2785	1580	1790	2055	1580	1765	2030	1580	
		6 ¹ / ₂	2	(24) 10d	(14) 10d	---	---	---	---	---	---	2540	2540	1580	2540	2540	1580	2540	2540	1580	
		6 ¹ / ₂	2	(24) 16d	(14) 10d	---	---	---	---	---	3015	3015	1580	3015	3015	1580	3015	3015	1580		
Adjustable Slope/Skew Connectors																					
LSSH210 Sloped only	LSSU210	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
LSSH210 Sloped & Skewed	LSSU210	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
LSSH179 Sloped only	LSSU125	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
LSSH179 Sloped & Skewed	LSSU125	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1000	1150	920	1000	1150	920	
LSSH31 Sloped only	LSSU210-2	7 ⁹ / ₁₆	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1590	1830	1365	1710	1965	1365	
		7 ⁹ / ₁₆	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1590	1830	1365	1710	1965	1365	
		7 ⁹ / ₁₆	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1835	2110	1365	1835	2110	1365	
		7 ⁹ / ₁₆	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	2180	2505	1365	2180	2505	1365	
LSSH31 Sloped & Skewed	LSSU210-2	7 ⁹ / ₁₆	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1390	1390	1365	1390	1390	1365	
		7 ⁹ / ₁₆	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1525	1525	1365	1525	1525	1365	
		7 ⁹ / ₁₆	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1390	1390	1365	1390	1390	1365	
		7 ⁹ / ₁₆	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1650	1650	1365	1650	1650	1365	
LSSH35 Sloped Only	LSSU410	7 ⁹ / ₁₆	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1590	1830	1365	1710	1965	1365	
		7 ⁹ / ₁₆	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1590	1830	1365	1710	1965	1365	
		7 ⁹ / ₁₆	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1835	2110	1365	1835	2110	1365	
		7 ⁹ / ₁₆	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	2180	2505	1365	2180	2505	1365	
LSSH35 Sloped & Skewed	LSSU410	7 ⁹ / ₁₆	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1390	1390	1365	1390	1390	1365	
		7 ⁹ / ₁₆	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1525	1525	1365	1525	1525	1365	
		7 ⁹ / ₁₆	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1390	1390	1365	1390	1390	1365	

1) Tabulated loads are in pounds.
 2) Minimum heel height is measured from the top of the bearing seat to the uppermost nail into the supporting member + 3/8".
 3) A 10d x 1 1/2 nail is 1-1/2" long with a diameter of 0.148 inch.
 4) A 10d nail is 3" long with a diameter of 0.148 inch.
 5) A 16d nail is 3-1/2" long with a diameter of 0.162 inch.