



**UNITED STEEL PRODUCTS COMPANY**  
**ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2002 ALLOWABLE LOADS (Douglas 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 <sup>11</sup> / <sub>16</sub>	1	(4) 10d	(2) 10d x 1 1/2	455	525	245	455	525	245	455	525	245	455	525	245	455	525	245
		2 <sup>11</sup> / <sub>16</sub>	1	(4) 16d	(2) 10d x 1 1/2	505	575	245	505	575	245	505	575	245	505	575	245	505	575	245
		2 <sup>11</sup> / <sub>16</sub>	2	(4) 10d	(2) 10d x 1 1/2	455	525	245	455	525	245	455	525	245	455	525	245	455	525	245
		2 <sup>11</sup> / <sub>16</sub>	2	(4) 16d	(2) 10d x 1 1/2	545	625	245	545	625	245	545	625	245	545	625	245	545	625	245
SUH24	U24	2 <sup>11</sup> / <sub>16</sub>	1	(4) 10d	(2) 10d x 1 1/2	465	535	360	465	535	360	465	535	360	465	535	360	465	535	360
		2 <sup>11</sup> / <sub>16</sub>	1	(4) 16d	(2) 10d x 1 1/2	510	585	360	510	585	360	510	585	360	510	585	360	510	585	360
		2 <sup>11</sup> / <sub>16</sub>	2	(4) 10d	(2) 10d x 1 1/2	465	535	360	465	535	360	465	535	360	465	535	360	465	535	360
		2 <sup>11</sup> / <sub>16</sub>	2	(4) 16d	(2) 10d x 1 1/2	550	635	360	550	635	360	550	635	360	550	635	360	550	635	360
JUS24	LUS24	2 <sup>1</sup> / <sub>4</sub>	1	(4) 10d	(2) 10d	655	750	510	655	750	510	655	750	510	655	750	510	655	750	510
		2 <sup>1</sup> / <sub>4</sub>	2	(4) 10d	(2) 10d	655	750	510	655	750	510	655	750	510	655	750	510	655	750	510
JL26	LU26	4 <sup>3</sup> / <sub>8</sub>	1	(6) 10d	(4) 10d x 1 1/2	---	---	---	685	785	485	685	785	485	685	785	485	685	785	485
		4 <sup>3</sup> / <sub>8</sub>	1	(6) 16d	(4) 10d x 1 1/2	---	---	---	750	870	485	750	870	485	750	870	485	750	870	485
		4 <sup>3</sup> / <sub>8</sub>	2	(6) 10d	(4) 10d x 1 1/2	---	---	---	685	785	485	685	785	485	685	785	485	685	785	485
		4 <sup>3</sup> / <sub>8</sub>	2	(6) 16d	(4) 10d x 1 1/2	---	---	---	815	940	485	815	940	485	800	800	485	800	800	485
SUH26	U26	4 <sup>3</sup> / <sub>8</sub>	1	(6) 10d	(4) 10d x 1 1/2	---	---	---	695	800	725	695	800	725	695	800	725	695	800	725
		4 <sup>3</sup> / <sub>8</sub>	1	(6) 16d	(4) 10d x 1 1/2	---	---	---	765	875	725	765	875	725	765	875	725	765	875	725
		4 <sup>3</sup> / <sub>8</sub>	2	(6) 10d	(4) 10d x 1 1/2	---	---	---	695	800	725	695	800	725	695	800	725	695	800	725
		4 <sup>3</sup> / <sub>8</sub>	2	(6) 16d	(4) 10d x 1 1/2	---	---	---	830	950	725	830	950	725	830	950	725	800	800	725
HD26	HU26	1 <sup>1</sup> / <sub>8</sub>	1	(4) 10d	(2) 10d x 1 1/2	---	---	---	475	545	290	475	545	290	475	545	290	475	545	290
		1 <sup>1</sup> / <sub>8</sub>	1	(4) 16d	(2) 10d x 1 1/2	---	---	---	520	600	290	520	600	290	520	600	290	520	600	290
		1 <sup>1</sup> / <sub>8</sub>	2	(4) 10d	(2) 10d x 1 1/2	---	---	---	475	545	290	475	545	290	475	545	290	475	545	290
		1 <sup>1</sup> / <sub>8</sub>	2	(4) 16d	(2) 10d x 1 1/2	---	---	---	565	650	290	565	650	290	565	650	290	565	650	290
JUS26	LUS26	4 <sup>1</sup> / <sub>16</sub>	1	(4) 10d	(4) 10d	---	---	---	850	975	1115	850	975	1115	800	800	1115	800	800	1115
		4 <sup>1</sup> / <sub>16</sub>	2	(4) 10d	(4) 10d	---	---	---	850	975	1115	850	975	1115	800	800	1115	800	800	1115
MUS26	MUS26	4 <sup>1</sup> / <sub>4</sub>	1	(6) 10d	(6) 10d	---	---	---	1285	1475	865	1285	1475	865	1285	1475	865	800	800	865
		4 <sup>1</sup> / <sub>4</sub>	1	(6) 16d	(6) 16d	---	---	---	1410	1625	800	1410	1625	800	1410	1625	800	800	800	865
		4 <sup>1</sup> / <sub>4</sub>	2	(6) 10d	(6) 10d	---	---	---	1285	1475	865	1285	1475	865	1285	1475	865	800	800	865
		4 <sup>1</sup> / <sub>4</sub>	2	(6) 16d	(6) 16d	---	---	---	1530	1760	865	1530	1760	865	1530	1760	865	800	800	865
HUS26	HUS26	4 <sup>3</sup> / <sub>16</sub>	1	(14) 10d	(6) 10d	---	---	---	2220	2550	1620	1575	1810	1620	1685	1935	1620	800	800	1620
		4 <sup>3</sup> / <sub>16</sub>	1	(14) 16d	(6) 16d	---	---	---	2430	2795	1925	1575	1810	1925	1685	1935	1925	800	800	1925
		4 <sup>3</sup> / <sub>16</sub>	2	(14) 10d	(6) 10d	---	---	---	2220	2550	1620	2220	2550	1620	2220	2550	1620	800	800	1620
		4 <sup>3</sup> / <sub>16</sub>	2	(14) 16d	(6) 16d	---	---	---	2635	3030	1925	2635	3030	1925	2635	3030	1925	800	800	1925
THD26	---	5 <sup>1</sup> / <sub>4</sub>	1	(18) 10d	(12) 10d x 1 1/2	---	---	---	2095	2405	2170	1455	1670	2170	1665	1915	2170	800	800	2170
		5 <sup>1</sup> / <sub>4</sub>	1	(18) 16d	(12) 10d x 1 1/2	---	---	---	2295	2635	2170	1455	1670	2170	1665	1915	2170	800	800	2170
		5 <sup>1</sup> / <sub>4</sub>	2	(18) 10d	(12) 10d x 1 1/2	---	---	---	2095	2405	2170	2095	2405	2170	2095	2405	2170	800	800	2170
		5 <sup>1</sup> / <sub>4</sub>	2	(18) 16d	(12) 10d x 1 1/2	---	---	---	2485	2855	2170	2485	2855	2170	2485	2855	2170	800	800	2170
JL28	LU28	5 <sup>15</sup> / <sub>16</sub>	1	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	1140	1295	885	1140	1295	885	800	800	885
		5 <sup>15</sup> / <sub>16</sub>	1	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	1255	1445	885	1255	1445	885	800	800	885
		5 <sup>15</sup> / <sub>16</sub>	2	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	1140	1295	885	1140	1295	885	800	800	885
		5 <sup>15</sup> / <sub>16</sub>	2	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	1360	1565	885	1360	1565	885	800	800	885
SUH28	---	6 <sup>1</sup> / <sub>16</sub>	1	(8) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	930	1065	800	930	1065	800	930	1065	800
		6 <sup>1</sup> / <sub>16</sub>	1	(8) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	1020	1170	800	1020	1170	800	1020	1170	800
		6 <sup>1</sup> / <sub>16</sub>	2	(8) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	930	1065	800	930	1065	800	930	1065	800
		6 <sup>1</sup> / <sub>16</sub>	2	(8) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	1105	1270	800	1105	1270	800	1105	1270	800
HD28	HU28	4 <sup>3</sup> / <sub>8</sub>	1	(8) 10d	(4) 10d x 1 1/2	---	---	---	950	1090	730	950	1090	730	950	1090	730	800	800	730
		4 <sup>3</sup> / <sub>8</sub>	1	(8) 16d	(4) 10d x 1 1/2	---	---	---	1045	1195	730	1045	1195	730	1045	1195	730	800	800	730
		4 <sup>3</sup> / <sub>8</sub>	2	(8) 10d	(4) 10d x 1 1/2	---	---	---	950	1090	730	950	1090	730	950	1090	730	800	800	730
		4 <sup>3</sup> / <sub>8</sub>	2	(8) 16d	(4) 10d x 1 1/2	---	---	---	1130	1295	730	1130	1295	730	1130	1295	730	800	800	730
JUS28	LUS28	4 <sup>3</sup> / <sub>8</sub>	1	(6) 10d	(4) 10d	---	---	---	---	---	---	1075	1235	1115	1075	1235	1115	1075	1235	1115
		4 <sup>3</sup> / <sub>8</sub>	2	(6) 10d	(4) 10d	---	---	---	---	---	---	1075	1235	1115	1075	1235	1115	1075	1235	1115
MUS28	MUS28	6 <sup>3</sup> / <sub>16</sub>	1	(8) 10d	(8) 10d	---	---	---	---	---	---	1710	1970	1230	1710	1970	1230	1710	1970	1230
		6 <sup>3</sup> / <sub>16</sub>	1	(8) 16d	(8) 16d	---	---	---	---	---	---	1885	2165	1135	1885	2165	1135	1885	2165	1135
		6 <sup>3</sup> / <sub>16</sub>	2	(8) 10d	(8) 10d	---	---	---	---	---	---	1710	1970	1230	1710	1970	1230	1710	1970	1230
		6 <sup>3</sup> / <sub>16</sub>	2	(8) 16d	(8) 16d	---	---	---	---	---	---	2040	2345	1230	2040	2345	1230	2040	2345	1230
HUS28	HUS28	6 <sup>11</sup> / <sub>16</sub>	1	(22) 10d	(8) 10d	---	---	---	---	---	---	3345	3660	2165	2180	2510	2165	2130	2450	2165
		6 <sup>11</sup> / <sub>16</sub>	1	(22) 16d	(8) 16d	---	---	---	---	---	---	3665	4010	2570	2180	2510	2570	2130	2450	2570
		6 <sup>11</sup> / <sub>16</sub>	2	(22) 10d	(8) 10d	---	---	---	---	---	---	3345	3660	2165	3345	3660	2165	3345	3660	2165
		6 <sup>11</sup> / <sub>16</sub>	2	(22) 16d	(8) 16d	---	---	---	---	---	---	3970	4345	2570	3970	4345	2570	3970	4345	2570
THD28	---	7 <sup>1</sup> / <sub>16</sub>	1	(28) 10d	(16) 10d x 1 1/2	---	---	---	---	---	---	3255	3340	2330	2065	2375	2330	2095	2410	2330
		7																		



**UNITED STEEL PRODUCTS COMPANY**  
**ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2002 ALLOWABLE LOADS (Douglas 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%
SUH210	U210	6 1/16	1	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1160	1335	1085	1160	1335	1085
		6 1/16	1	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1275	1465	1085	1275	1465	1085
		6 1/16	2	(10) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1160	1335	1085	1160	1335	1085
		6 1/16	2	(10) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1380	1585	1085	1380	1585	1085
HD210	HU210	4 3/8	1	(12) 10d	(4) 10d x 1 1/2	---	---	---	---	---	---	1425	1640	730	1425	1640	730	1425	1640	730
		4 3/8	1	(12) 16d	(4) 10d x 1 1/2	---	---	---	---	---	---	1560	1795	730	1560	1795	730	1560	1795	730
		4 3/8	2	(12) 10d	(4) 10d x 1 1/2	---	---	---	---	---	---	1425	1640	730	1425	1640	730	1425	1640	730
		4 3/8	2	(12) 16d	(4) 10d x 1 1/2	---	---	---	---	---	---	1690	1945	730	1690	1945	730	1690	1945	730
JUS210	LUS210	4 3/8	1	(8) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1305	1500	1115	1305	1500	1115
		4 3/8	2	(8) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1305	1500	1115	1305	1500	1115
HUS210	HUS210	8 7/16	1	(30) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	4470	4640	2700	3035	3490	2700
		8 7/16	1	(30) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	4900	5085	3205	3035	3490	3205
		8 7/16	2	(30) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	4470	4640	2700	4470	4640	2700
		8 7/16	2	(30) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	5310	5510	3205	5310	5510	3205
THD210	---	9 1/16	1	(38) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	4275	4305	3095	2855	3285	3095
		9 1/16	1	(38) 16d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	4685	4720	3095	2855	3285	3095
		9 1/16	2	(38) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	4275	4305	3095	4275	4305	3095
		9 1/16	2	(38) 16d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	5075	5115	3095	5075	5115	3095
MSH29	THA29	3 1/4	1	(18) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	2445	2635	785	2445	2635	785
		3 1/4	2	(18) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	2445	2635	785	2445	2635	785
<b>2 Ply Carried Member</b>																				
SUH24-2	U24-2	3	1	(6) 10d	(2) 10d	695	800	370	695	800	370	695	800	370	695	800	370	695	800	370
		3	1	(6) 16d	(2) 16d	765	875	370	765	875	370	765	800	370	765	800	370	765	800	370
		3	2	(6) 10d	(2) 10d	695	800	370	695	800	370	695	800	370	695	800	370	695	800	370
		3	2	(6) 16d	(2) 16d	830	950	370	830	950	370	800	800	370	800	800	370	800	800	370
JUS24-2	LUS24-2	2 3/8	1	(4) 10d	(2) 10d	650	750	270	650	750	270	650	750	270	650	750	270	650	750	270
		2 3/8	1	(4) 16d	(2) 16d	720	830	325	720	830	325	720	800	325	720	800	325	720	800	325
		2 3/8	2	(4) 10d	(2) 10d	650	750	270	650	750	270	650	750	270	650	750	270	650	750	270
		2 3/8	2	(4) 16d	(2) 16d	780	900	325	780	900	325	780	800	325	780	800	325	780	800	325
HUS24-2	---	2 3/8	1	(4) 10d	(2) 10d	675	775	415	675	775	415	675	775	415	675	775	415	675	775	415
		2 3/8	1	(4) 16d	(2) 16d	740	850	495	740	850	495	740	800	495	740	800	495	740	800	495
		2 3/8	2	(4) 10d	(2) 10d	675	775	415	675	775	415	675	775	415	675	775	415	675	775	415
		2 3/8	2	(4) 16d	(2) 16d	800	920	495	800	920	495	800	800	495	800	800	495	800	800	495
SUH26-2	U26-2	4 1 1/16	1	(8) 10d	(4) 10d	---	---	---	930	1065	740	930	1065	740	930	1065	740	800	800	740
		4 1 1/16	1	(8) 16d	(4) 16d	---	---	---	1020	1170	740	1020	1170	740	1020	1170	740	800	800	740
		4 1 1/16	2	(8) 10d	(4) 10d	---	---	---	930	1065	740	930	1065	740	930	1065	740	800	800	740
		4 1 1/16	2	(8) 16d	(4) 16d	---	---	---	1105	1270	740	1105	1270	740	1105	1270	740	800	800	740
HD26-2	HU26-2	5 1/16	1	(12) 10d	(6) 10d	---	---	---	1425	1640	1140	1425	1640	1140	1425	1640	1140	800	800	1140
		5 1/16	1	(12) 16d	(6) 16d	---	---	---	1560	1795	1140	1445	1660	1140	1560	1795	1140	800	800	1140
		5 1/16	2	(12) 10d	(6) 10d	---	---	---	1425	1640	1140	1425	1640	1140	1425	1640	1140	800	800	1140
		5 1/16	2	(12) 16d	(6) 16d	---	---	---	1690	1945	1140	1690	1945	1140	1690	1945	1140	800	800	1140
JUS26-2	LUS26-2	4 1 1/16	1	(4) 10d	(4) 10d	---	---	---	845	975	1130	845	975	1130	845	975	1130	800	800	1130
		4 1 1/16	1	(4) 16d	(4) 16d	---	---	---	935	1080	1355	935	1080	1355	935	1080	1355	800	800	1355
		4 1 1/16	2	(4) 10d	(4) 10d	---	---	---	845	975	1130	845	975	1130	845	975	1130	800	800	1130
		4 1 1/16	2	(4) 16d	(4) 16d	---	---	---	1015	1170	1355	1015	1170	1355	1015	1170	1355	800	800	1355
HUS26-2	HUS26-2	4 1 1/16	1	(4) 10d	(4) 10d	---	---	---	865	1000	940	865	1000	940	865	1000	940	800	800	940
		4 1 1/16	1	(4) 16d	(4) 16d	---	---	---	950	1095	1115	950	1095	1115	950	1095	1115	800	800	1115
		4 1 1/16	2	(4) 10d	(4) 10d	---	---	---	865	1000	940	865	1000	940	865	1000	940	800	800	940
		4 1 1/16	2	(4) 16d	(4) 16d	---	---	---	1030	1185	1115	1030	1185	1115	1030	1185	1115	800	800	1115
THD26-2	HHUS26-2	5 7/8	1	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	1575	1810	2285	1685	1935	2285	800	800	2285
		5 7/8	1	(18) 16d	(12) 16d	---	---	---	2345	2695	2285	1575	1810	2285	1685	1935	2285	800	800	2285
		5 7/8	2	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	2140	2460	2285	2140	2460	2285	800	800	2285
		5 7/8	2	(18) 16d	(12) 16d	---	---	---	2540	2920	2285	2540	2920	2285	2540	2920	2285	800	800	2285
THDH26-2	HGUS26-2	4 1 1/16	1	(22) 10d	(8) 10d	---	---	---	3295	3795	1880	1575	1810	1880	1685	1935	1880	800	800	1880
		4 1 1/16	1	(22) 16d	(8) 16d	---	---	---	3615	4160	2235	1575	1810	2235	1685	1935	2235	800	800	2235
		4 1 1/16	2	(22) 10d	(8) 10d	---	---	---	3295	3795	1880	3150	3620	1880	3295	3795	1880	800	800	1880
		4 1 1/16	2	(22) 16d	(8) 16d	---	---	---	3915	4505	2235	3150	3620	2235	3370	3875	2235	800	800	2235
SUH28-2	---	4 1 1/16	1	(10) 10d	(4) 10d	---	---	---	---	---	---	1160	1335	740	1160	1335	740	1160	1335	740
		4 1 1/16	1	(10) 16d	(4) 16d	---	---	---	---	---	---	1275	1465	740	1275	1465	740	1275	1465	740
		4 1 1/16	2	(10) 10d	(4) 10d	---	---	---	---	---	---	1160	1335	740	1160	1335	740	1160	1335	740
		4 1 1/16	2	(10) 16d	(4) 16d	---	---	---	---	---	---	1380	1585	740	1380	1585	740	1380	1585	740
HD28-2	HU28-2	5 1/16	1	(14) 10d	(6) 10d	---	---	---	---	---	---	1665	1910	1140	1665	1910	1140	1665		



**UNITED STEEL PRODUCTS COMPANY**  
**ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2002 ALLOWABLE LOADS (Douglas 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 <sup>7</sup> / <sub>8</sub>	1	(6) 10d	(6) 10d	---	---	---	---	---	---	1305	1500	1525	1305	1500	1525	1305	1500	1525	
		6 <sup>7</sup> / <sub>8</sub>	1	(6) 16d	(6) 16d	---	---	---	---	---	---	---	1430	1645	1810	1430	1645	1810	1430	1645	1810
		6 <sup>7</sup> / <sub>8</sub>	2	(6) 10d	(6) 10d	---	---	---	---	---	---	---	1305	1500	1525	1305	1500	1525	1305	1500	1525
		6 <sup>7</sup> / <sub>8</sub>	2	(6) 16d	(6) 16d	---	---	---	---	---	---	---	1550	1780	1810	1550	1780	1810	1550	1780	1810
THD28-2	HHUS28-2	7 <sup>1</sup> / <sub>8</sub>	1	(28) 10d	(16) 10d	---	---	---	---	---	---	3325	3825	2595	2180	2510	2595	2130	2450	2595	
		7 <sup>1</sup> / <sub>8</sub>	1	(28) 16d	(16) 16d	---	---	---	---	---	---	---	3645	4190	2595	2180	2510	2595	2130	2450	2595
		7 <sup>1</sup> / <sub>8</sub>	2	(28) 10d	(16) 10d	---	---	---	---	---	---	---	3325	3825	2595	3325	3825	2595	3325	3825	2595
		7 <sup>1</sup> / <sub>8</sub>	2	(28) 16d	(16) 16d	---	---	---	---	---	---	---	3950	4540	2595	3950	4540	2595	3950	4540	2595
THDH28-2	HGUS28-2	6 <sup>7</sup> / <sub>8</sub>	1	(36) 10d	(10) 10d	---	---	---	---	---	---	5505	6330	2245	2180	2510	2245	2130	2450	2245	
		6 <sup>7</sup> / <sub>8</sub>	1	(36) 16d	(10) 16d	---	---	---	---	---	---	---	6030	6935	2665	2180	2510	2665	2130	2450	2665
		6 <sup>7</sup> / <sub>8</sub>	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	5505	6330	2245	4360	5015	2245	4260	4900	2245
		6 <sup>7</sup> / <sub>8</sub>	2	(36) 16d	(10) 16d	---	---	---	---	---	---	---	6535	7515	2665	4360	5015	2665	4260	4900	2665
SUH210-2	U210-2	8	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1625	1870	1115	1625	1870	1115	
		8	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1780	2050	1115	1780	2050	1115	
		8	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1625	1870	1115	1625	1870	1115
		8	2	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1930	2220	1115	1930	2220	1115
HD210-2	HU210-2	8 <sup>7</sup> / <sub>8</sub>	1	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	2140	2460	1905	2140	2460	1905	
		8 <sup>7</sup> / <sub>8</sub>	1	(18) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	2345	2695	1905	2345	2695	1905
		8 <sup>7</sup> / <sub>8</sub>	2	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	2140	2460	1905	2140	2460	1905
		8 <sup>7</sup> / <sub>8</sub>	2	(18) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	2540	2920	1905	2540	2920	1905
JUS210-2	LUS210-2	8 <sup>7</sup> / <sub>8</sub>	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650	
		8 <sup>7</sup> / <sub>8</sub>	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1660	1910	1980	1660	1910	1980
		8 <sup>7</sup> / <sub>8</sub>	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650
		8 <sup>7</sup> / <sub>8</sub>	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1800	2070	1980	1800	2070	1980
HUS210-2	HUS210-2	8 <sup>7</sup> / <sub>8</sub>	1	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	1740	2000	1860	1740	2000	1860	
		8 <sup>7</sup> / <sub>8</sub>	1	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	---	1905	2190	2210	1905	2190	2210
		8 <sup>7</sup> / <sub>8</sub>	2	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	1740	2000	1860	1740	2000	1860
		8 <sup>7</sup> / <sub>8</sub>	2	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	---	2065	2375	2210	2065	2375	2210
THD210-2	HHUS210-2	9 <sup>1</sup> / <sub>8</sub>	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	4515	5185	3810	3040	3495	3810	
		9 <sup>1</sup> / <sub>8</sub>	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	4950	5685	3810	3040	3495	3810
		9 <sup>1</sup> / <sub>8</sub>	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	4515	5185	3810	4515	5185	3810
		9 <sup>1</sup> / <sub>8</sub>	2	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	5360	6160	3810	5360	6160	3810
THDH210-2	HGUS210-2	8 <sup>1</sup> / <sub>16</sub>	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6955	6955	2940	3040	3495	2940	
		8 <sup>1</sup> / <sub>16</sub>	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	7625	7625	3490	3040	3495	3490
		8 <sup>1</sup> / <sub>16</sub>	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	6955	6955	2940	6080	6955	2940
		8 <sup>1</sup> / <sub>16</sub>	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	8260	8260	3490	6080	6990	3490
<b>3 Ply Carried Member</b>																					
JUS26-3	LUS26-3	4 <sup>1</sup> / <sub>16</sub>	1	(4) 10d	(4) 10d	---	---	---	845	975	1130	845	975	1130	800	800	1130	800	800	1130	
		4 <sup>1</sup> / <sub>16</sub>	1	(4) 16d	(4) 16d	---	---	---	935	1080	1355	935	1080	1355	800	800	1355	800	800	1355	
		4 <sup>1</sup> / <sub>16</sub>	2	(4) 10d	(4) 10d	---	---	---	845	975	1130	845	975	1130	800	800	1130	800	800	1130	
		4 <sup>1</sup> / <sub>16</sub>	2	(4) 16d	(4) 16d	---	---	---	1015	1170	1355	1015	1170	1355	800	800	1355	800	800	1355	
THDH26-3	HGUS26-3	4 <sup>1</sup> / <sub>8</sub>	1	(20) 10d	(8) 10d	---	---	---	3295	3795	1880	1810	1880	1685	1935	1880	800	800	1880		
		4 <sup>1</sup> / <sub>8</sub>	1	(20) 16d	(8) 16d	---	---	---	3615	4160	2235	1575	1810	2235	1685	1935	2235	800	800	2235	
		4 <sup>1</sup> / <sub>8</sub>	2	(20) 10d	(8) 10d	---	---	---	3295	3795	1880	3150	3620	1880	3295	3795	1880	800	800	1880	
		4 <sup>1</sup> / <sub>8</sub>	2	(20) 16d	(8) 16d	---	---	---	3915	4505	2235	3150	3620	2235	3370	3875	2235	800	800	2235	
JUS28-3	LUS28-3	4 <sup>1</sup> / <sub>16</sub>	1	(6) 10d	(4) 10d	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	1075	1235	1130	
		4 <sup>1</sup> / <sub>16</sub>	1	(6) 16d	(4) 16d	---	---	---	---	---	---	---	1190	1370	1355	1190	1370	1355	1190	1370	1355
		4 <sup>1</sup> / <sub>16</sub>	2	(6) 10d	(4) 10d	---	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	1075	1235	1130
		4 <sup>1</sup> / <sub>16</sub>	2	(6) 16d	(4) 16d	---	---	---	---	---	---	---	1290	1485	1355	1290	1485	1355	1290	1485	1355
THDH28-3	HGUS28-3	7 <sup>1</sup> / <sub>8</sub>	1	(36) 10d	(10) 10d	---	---	---	---	---	---	5700	6555	2245	2180	2510	2245	2130	2450	2245	
		7 <sup>1</sup> / <sub>8</sub>	1	(36) 16d	(10) 16d	---	---	---	---	---	---	---	6250	7185	2665	2180	2510	2665	2130	2450	2665
		7 <sup>1</sup> / <sub>8</sub>	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	5700	6555	2245	4360	5015	2245	4260	4900	2245
		7 <sup>1</sup> / <sub>8</sub>	2	(36) 16d	(10) 16d	---	---	---	---	---	---	---	6770	7785	2665	4360	5015	2665	4260	4900	2665
JUS210-3	LUS210-3	7 <sup>7</sup> / <sub>8</sub>	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650	
		7 <sup>7</sup> / <sub>8</sub>	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1660	1910	1980	1660	1910	1980
		7 <sup>7</sup> / <sub>8</sub>	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650
		7 <sup>7</sup> / <sub>8</sub>	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	1800	2070	1980	1800	2070	1980
THD210-3	HHUS210-3	8 <sup>7</sup> / <sub>8</sub>	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	4765	5480	3850	2830	3255	3850	
		8 <sup>7</sup> / <sub>8</sub>	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	5225	6010	3850	2830	3255	3850
		8 <sup>7</sup> / <sub>8</sub>	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	4765	5480	3850	4765	5480	3850
		8 <sup>7</sup> / <sub>8</sub>	2	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	5660	6510	3850	5660	6510	3850
THDH210-3	HGUS210-3	8 <sup>1</sup> / <sub>4</sub>	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	7345	8300	3845	3040	3495	3845	
		8 <sup>1</sup> / <sub>4</sub>	1	(46) 16d	(12) 16d	---	---														



**UNITED STEEL PRODUCTS COMPANY**  
**ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2002 ALLOWABLE LOADS (Douglas 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%	
<b>4x Connectors</b>																					
JUS44	LUS44	2 7/8	1	(4) 10d	(2) 10d	650	750	270	650	750	270	650	750	270	650	750	270	650	750	270	
		2 7/8	1	(4) 16d	(2) 16d	720	830	325	720	830	325	720	800	325	720	800	325	720	800	325	
		2 7/8	2	(4) 10d	(2) 10d	650	750	270	650	750	270	650	750	270	650	750	270	650	750	270	
JUS46	LUS46	2 7/8	2	(4) 16d	(2) 16d	780	900	325	780	900	325	780	800	325	780	800	325	780	800	325	
		4 9/16	1	(4) 10d	(4) 10d	---	---	---	845	975	1130	845	975	1130	845	975	1130	800	800	1130	
		4 9/16	1	(4) 16d	(4) 16d	---	---	---	935	1080	1355	935	1080	1355	935	1080	1355	800	800	1355	
HUS46	HUS46	4 9/16	2	(4) 10d	(4) 10d	---	---	---	845	975	1130	845	975	1130	845	975	1130	800	800	1130	
		4 9/16	2	(4) 16d	(4) 16d	---	---	---	1015	1170	1355	1015	1170	1355	1015	1170	1355	800	800	1355	
		4 9/16	2	(4) 10d	(4) 10d	---	---	---	865	1000	940	865	1000	940	865	1000	940	800	800	940	
THD46	HHUS46	4 9/16	1	(4) 16d	(4) 16d	---	---	---	950	1095	1115	950	1095	1115	950	1095	1115	800	800	1115	
		4 9/16	2	(4) 10d	(4) 10d	---	---	---	865	1000	940	865	1000	940	865	1000	940	800	800	940	
		4 9/16	2	(4) 16d	(4) 16d	---	---	---	1030	1185	1115	1030	1185	1115	1030	1185	1115	800	800	1115	
THDH46	HGUS46	5 7/16	1	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	1550	1780	2285	1680	1930	2285	800	800	2285	
		5 7/16	1	(18) 16d	(12) 16d	---	---	---	2345	2695	2285	1550	1780	2285	1680	1930	2285	800	800	2285	
		5 7/16	2	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	2140	2460	2285	2140	2460	2285	800	800	2285	
HD48	HU48	5 7/16	2	(18) 16d	(12) 16d	---	---	---	2540	2920	2285	2540	2920	2285	2540	2920	2285	800	800	2285	
		4 3/4	1	(22) 10d	(8) 10d	---	---	---	3295	3795	2195	1525	1750	2195	1675	1925	2195	800	800	2195	
		4 3/4	1	(22) 16d	(8) 16d	---	---	---	3615	4160	2605	1525	1750	2605	1675	1925	2605	800	800	2605	
JUS48	LUS48	4 3/4	2	(22) 10d	(8) 10d	---	---	---	3295	3795	2195	3045	3500	2195	3295	3795	2195	800	800	2195	
		4 3/4	2	(22) 16d	(8) 16d	---	---	---	3915	4505	2605	3045	3500	2605	3350	3855	2605	800	800	2605	
		4 15/16	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	1665	1910	1140	1665	1910	1140	1665	1910	1140
HUS48	HUS48	4 15/16	1	(14) 16d	(6) 16d	---	---	---	---	---	---	1825	2095	1140	1825	2095	1140	1825	2095	1140	
		4 15/16	2	(14) 10d	(6) 10d	---	---	---	---	---	---	1665	1910	1140	1665	1910	1140	1665	1910	1140	
		4 15/16	2	(14) 16d	(6) 16d	---	---	---	---	---	---	1975	2270	1140	1975	2270	1140	1975	2270	1140	
THD48	HHUS48	4 15/16	1	(6) 10d	(4) 10d	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	1075	1235	1130	
		4 15/16	1	(6) 16d	(4) 16d	---	---	---	---	---	---	1190	1370	1355	1190	1370	1355	1190	1370	1355	
		4 15/16	2	(6) 10d	(4) 10d	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	1075	1235	1130	
THDH48	HGUS48	4 15/16	2	(6) 16d	(4) 16d	---	---	---	---	---	---	1290	1485	1355	1290	1485	1355	1290	1485	1355	
		6 1/4	1	(6) 10d	(6) 10d	---	---	---	---	---	---	1305	1500	1525	1305	1500	1525	1305	1500	1525	
		6 1/4	1	(6) 16d	(6) 16d	---	---	---	---	---	---	1430	1645	1810	1430	1645	1810	1430	1645	1810	
SUH410	U410	6 1/4	2	(6) 10d	(6) 10d	---	---	---	---	---	---	1305	1500	1525	1305	1500	1525	1305	1500	1525	
		6 1/4	2	(6) 16d	(6) 16d	---	---	---	---	---	---	1550	1780	1810	1550	1780	1810	1550	1780	1810	
		7 1/16	1	(28) 10d	(16) 10d	---	---	---	---	---	---	3325	3825	2595	2145	2465	2595	2120	2435	2595	
JUS410	LUS410	7 1/16	1	(28) 16d	(16) 16d	---	---	---	---	---	---	3645	4190	2595	2145	2465	2595	2120	2435	2595	
		7 1/16	2	(28) 10d	(16) 10d	---	---	---	---	---	---	3325	3825	2595	3325	3825	2595	3325	3825	2595	
		7 1/16	2	(28) 16d	(16) 16d	---	---	---	---	---	---	3950	4540	2595	3950	4540	2595	3950	4540	2595	
THD410	HHUS410	6 3/8	1	(36) 10d	(10) 10d	---	---	---	---	---	---	5505	6330	2680	2110	2430	2680	2110	2425	2680	
		6 3/8	1	(36) 16d	(10) 16d	---	---	---	---	---	---	6030	6935	3185	2110	2430	3185	2110	2425	3185	
		6 3/8	2	(36) 10d	(10) 10d	---	---	---	---	---	---	5505	6330	2680	4225	4860	2680	4220	4855	2680	
THDH410	HGUS410	6 3/8	2	(36) 16d	(10) 16d	---	---	---	---	---	---	6535	7515	3185	4225	4860	3185	4220	4855	3185	
		7 7/8	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	1625	1870	1115	1625	1870	1115
		7 7/8	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1780	2050	1115	1780	2050	1115	
HUS410	HUS410	7 7/8	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1625	1870	1115	1625	1870	1115	
		7 7/8	2	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1930	2220	1115	1930	2220	1115	
		8 1/8	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650	
THD410	HHUS410	8 1/8	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	1660	1910	1980	1660	1910	1980		
		8 1/8	2	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650	
		8 1/8	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1800	2070	1980	1800	2070	1980	
THDH410	HGUS410	8 1/8	1	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	1740	2000	1860	1740	2000	1860		
		8 1/8	1	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	1905	2190	2210	1905	2190	2210	
		8 1/8	2	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	1740	2000	1860	1740	2000	1860	
THD412	HGUS412	8 1/8	2	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	2065	2375	2210	2065	2375	2210		
		9 1/16	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	4515	5185	3810	2985	3430	3810	
		9 1/16	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	4950	5685	3810	2985	3430	3810	
THDH412	HGUS412	9 1/16	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	4515	5185	3810	4515	5185	3810		
		9 1/16	2	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	5360	6160	3810	5360	6160	3810	
		8 1/2	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6955	7585	3345	2925	3365	3345	
HD17925	HU9	8 1/2	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	7625	8315	3970	2925	3365	3970		
		8 1/2	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6955	7585	3345	5850	6730	3345	
		8 1/2	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	8260	9010	3970	5850	6730	3970	
Miscellaneous		10 1/2	1	(56) 10d	(14) 10d	---	---	---	---	---	---	---	---	---	---	---	---	8290	8290	4400	
		10 1/2	1	(56) 16d	(14) 16d	---	---	---	---	---	---	---	---	---	---	---	---	9090	9090	5225	
		10 1/2	2	(56) 10d	(14) 10d	---	---	---	---	---	---	---	---	---	---	---	---	8290	8290	4400	
HD17925	HU9	10 1/2	2	(56) 16d	(14) 16d	---	---	---	---	---	---	---	---	---	---	---	---	9845	9845	5225	
		8	1	(1																	



**UNITED STEEL PRODUCTS COMPANY**  
**ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2002 ALLOWABLE LOADS (Douglas 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 <sup>13</sup> / <sub>16</sub>	1	(46) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	7345	8300	3845	2870	3300	3845	
		8 <sup>13</sup> / <sub>16</sub>	1	(46) 16d	(16) 16d	---	---	---	---	---	---	---	---	---	---	8055	9095	4565	2870	3300	4565
		8 <sup>13</sup> / <sub>16</sub>	2	(46) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	---	7345	8300	3845	5740	6600	3845
THDH7210	HGUS7.25/10	8 <sup>13</sup> / <sub>16</sub>	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	6955	7585	3345	2785	3200	3345	
		8 <sup>13</sup> / <sub>16</sub>	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	7625	8315	3970	2785	3200	3970
		8 <sup>13</sup> / <sub>16</sub>	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	6955	7585	3345	5570	6405	3345
<b>45° Skewed Connectors</b>																					
SKH24L/R	SUR/L24	3 <sup>1</sup> / <sub>4</sub>	1	(4) 10d	(4) 10d x 1 1/2	430	430	565	430	430	565	430	430	565	430	430	565	430	430	565	
		3 <sup>1</sup> / <sub>4</sub>	1	(4) 16d	(4) 10d x 1 1/2	470	470	565	470	470	565	470	470	565	470	470	565	470	470	565	
		3 <sup>1</sup> / <sub>4</sub>	2	(4) 10d	(4) 10d x 1 1/2	430	430	565	430	430	565	430	430	565	430	430	565	430	430	565	
SKH26L/R	SUR/L26	4 <sup>1</sup> / <sub>8</sub>	1	(6) 10d	(6) 10d x 1 1/2	---	---	---	700	750	1085	700	750	1085	700	750	1085	700	750	1085	
		4 <sup>1</sup> / <sub>8</sub>	1	(6) 16d	(6) 10d x 1 1/2	---	---	---	765	820	1085	765	820	1085	765	800	1085	765	800	1085	
		4 <sup>1</sup> / <sub>8</sub>	2	(6) 10d	(6) 10d x 1 1/2	---	---	---	700	750	1085	700	750	1085	700	750	1085	700	750	1085	
SKHH26L/R	---	5	1	(18) 10d	(12) 10d x 1 1/2	---	---	---	1285	1475	2190	1285	1475	2190	1285	1475	2190	1285	1475	2190	
		5	1	(18) 16d	(12) 10d x 1 1/2	---	---	---	1410	1615	2190	1410	1615	2190	1410	1615	2190	800	800	2190	
		5	2	(18) 10d	(12) 10d x 1 1/2	---	---	---	1285	1475	2190	1285	1475	2190	1285	1475	2190	800	800	2190	
SKH28L/R	---	6 <sup>1</sup> / <sub>8</sub>	1	(10) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1160	1235	1360	1160	1235	1360	
		6 <sup>1</sup> / <sub>8</sub>	1	(10) 16d	(8) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1275	1350	1360	1275	1350	1360	
		6 <sup>1</sup> / <sub>8</sub>	2	(10) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1160	1235	1360	1160	1235	1360
SKHH28L/R	---	6 <sup>1</sup> / <sub>8</sub>	1	(26) 10d	(16) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1855	2130	2920	1855	2130	2920	
		6 <sup>1</sup> / <sub>8</sub>	1	(26) 16d	(16) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	2030	2335	2920	2030	2335	2920	
		6 <sup>1</sup> / <sub>8</sub>	2	(26) 10d	(16) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1855	2130	2920	1855	2130	2920
SKH210L/R	SUR/L210	8 <sup>1</sup> / <sub>16</sub>	1	(14) 10d	(10) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1505	1505	1565	1505	1505	1565	
		8 <sup>1</sup> / <sub>16</sub>	1	(14) 16d	(10) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1650	1650	1565	1650	1650	1565
		8 <sup>1</sup> / <sub>16</sub>	2	(14) 10d	(10) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1505	1505	1565	1505	1505	1565
SKHH210L/R	---	8 <sup>1</sup> / <sub>8</sub>	1	(34) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	2420	2785	3650	2420	2785	3650	
		8 <sup>1</sup> / <sub>8</sub>	1	(34) 16d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	2655	3055	3650	2655	3055	3650
		8 <sup>1</sup> / <sub>8</sub>	2	(34) 10d	(20) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	2420	2785	3650	2420	2785	3650
SKH26L/R-2	SUR/L26-2	3 <sup>1</sup> / <sub>8</sub>	1	(6) 10d	(6) 10d	---	---	---	700	800	1115	700	800	1115	700	800	1115	700	800	1115	
		3 <sup>1</sup> / <sub>8</sub>	1	(6) 16d	(6) 10d	---	---	---	765	875	1115	765	800	1115	765	800	1115	765	800	1115	
		3 <sup>1</sup> / <sub>8</sub>	2	(6) 10d	(6) 10d	---	---	---	700	800	1115	700	800	1115	700	800	1115	700	800	1115	
SKHH26L/R-2	HSUR/L26-2	4 <sup>1</sup> / <sub>2</sub>	1	(12) 10d	(4) 10d	---	---	---	1425	1640	900	1425	1640	900	1425	1640	900	800	800	900	
		4 <sup>1</sup> / <sub>2</sub>	1	(12) 16d	(4) 16d x 2 1/2	---	---	---	1560	1795	900	1480	1705	900	1560	1795	900	800	800	900	
		4 <sup>1</sup> / <sub>2</sub>	2	(12) 10d	(4) 10d	---	---	---	1425	1640	900	1425	1640	900	1425	1640	900	800	800	900	
SKH28L/R-2	---	6 <sup>1</sup> / <sub>8</sub>	1	(10) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	1160	1335	1360	1160	1335	1360	
		6 <sup>1</sup> / <sub>8</sub>	1	(10) 16d	(8) 10d	---	---	---	---	---	---	---	---	---	---	1275	1465	1360	1275	1465	1360
		6 <sup>1</sup> / <sub>8</sub>	2	(10) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	1160	1335	1360	1160	1335	1360
SKH210L/R-2	SUR/L210-2	8 <sup>1</sup> / <sub>16</sub>	1	(14) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1625	1870	1565	
		8 <sup>1</sup> / <sub>16</sub>	1	(14) 16d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1780	2050	1565	
		8 <sup>1</sup> / <sub>16</sub>	2	(14) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	---	1625	1870	1565
SKHH210L/R-2	HSUR/L210-2	7 <sup>1</sup> / <sub>16</sub>	1	(20) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1930	2220	1565	
		7 <sup>1</sup> / <sub>16</sub>	1	(20) 16d	(6) 16d x 2 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	2375	2735	1140
		7 <sup>1</sup> / <sub>16</sub>	2	(20) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2605	2995
SKH46L/R	SUR/L46	4 <sup>1</sup> / <sub>8</sub>	1	(10) 10d	(6) 10d	---	---	---	1185	1340	1355	1185	1340	1355	800	800	1355	800	800	1355	
		4 <sup>1</sup> / <sub>8</sub>	1	(10) 16d	(6) 16d	---	---	---	1300	1470	1355	1300	1470	1355	800	800	1355	800	800	1355	
		4 <sup>1</sup> / <sub>8</sub>	2	(10) 10d	(6) 10d	---	---	---	1185	1340	1355	1185	1340	1355	800	800	1355	800	800	1355	
SKHH46L/R	HSUR/L46	4 <sup>1</sup> / <sub>8</sub>	1	(10) 16d	(6) 16d	---	---	---	1410	1590	1355	1410	1590	1355	800	800	1355	800	800	1355	
		4 <sup>1</sup> / <sub>2</sub>	1	(12) 10d	(6) 10d	---	---	---	1425	1640	1140	1425	1640	1140	1425	1640	1140	800	800	1140	
		4 <sup>1</sup> / <sub>2</sub>	2	(12) 10d	(6) 10d	---	---	---	1560	1795	1355	1480	1705	1355	1560	1795	1355	800	800	1355	
SKH410L/R	SUR/L410	6 <sup>1</sup> / <sub>8</sub>	1	(16) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1900	2140	1565	
		6 <sup>1</sup> / <sub>8</sub>	1	(16) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	---	---	---	2080	2345	1565
		6 <sup>1</sup> / <sub>8</sub>	2	(16) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	---	1900	2140	1565
6 <sup>1</sup> / <sub>8</sub>	2	(16) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2255	2540	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%	
SKHH410L/R	HSUR/L410	7	1	(20) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	2375	2735	1900	2375	2735	1900	
		7	1	(20) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	2605	2995	2255	2605	2995	2255	
		7	2	(20) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	2375	2735	1900	2375	2735	1900
		7	2	(20) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	2820	3245	2255	2820	3245	2255
<b>Hip/Jack Connectors</b>																					
BN264	---	2 7/8	1	(20) 10d	(8) 10d x 1 1/2	---	---	---	2380	2735	645	1525	1755	645	1675	1925	645	800	800	645	
		2 7/8	2	(20) 10d	(8) 10d x 1 1/2	---	---	---	2380	2735	645	1525	1755	645	1675	1925	645	800	800	645	
BN284	---	2 7/8	1	(20) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	2380	2735	645	2110	2425	645	2110	2425	645	
		2 7/8	2	(20) 10d	(8) 10d x 1 1/2	---	---	---	---	---	---	2380	2735	645	2110	2425	645	2110	2425	645	
HTHJ26-18	LTHJR/L	4 7/8	1	(16) 10d	(12) 10d	---	---	---	1665	1915	1205	1385	1595	1205	800	800	1205	800	800	1205	
		4 7/8	1	(16) 16d	(12) 16d	---	---	---	1665	1915	1320	1385	1595	1320	800	800	1320	800	800	1320	
		4 7/8	2	(16) 10d	(12) 10d	---	---	---	1845	2120	1205	1845	2120	1205	800	800	1205	800	800	1205	
		4 7/8	2	(16) 16d	(12) 16d	---	---	---	2190	2520	1430	2190	2520	1430	800	800	1430	800	800	1430	
HJC26	---	5 9/16	1	(16) 10d	(12) 10d	---	---	---	2010	2305	1525	1575	1810	1525	1685	1935	1525	800	800	1525	
		5 9/16	1	(16) 16d	(12) 10d	---	---	---	2200	2530	1525	1575	1810	1525	1685	1935	1525	800	800	1525	
		5 9/16	2	(16) 10d	(12) 10d	---	---	---	2010	2305	1525	2010	2305	1525	2010	2305	1525	800	800	1525	
		5 9/16	2	(16) 16d	(12) 10d	---	---	---	2385	2740	1525	2385	2740	1525	2385	2740	1525	800	800	1525	
HHC26	---	4 15/16	1	(20) 10d	(10) 10d	---	---	---	2510	2885	1015	1550	1780	1015	1680	1930	1015	800	800	1015	
		4 15/16	1	(20) 16d	(10) 10d	---	---	---	2750	3160	1015	1550	1780	1015	1680	1930	1015	800	800	1015	
		4 15/16	2	(20) 10d	(10) 10d	---	---	---	2510	2885	1015	2510	2885	1015	2510	2885	1015	800	800	1015	
		4 15/16	2	(20) 16d	(10) 10d	---	---	---	2980	3425	1015	2980	3425	1015	2980	3425	1015	800	800	1015	
HJHC26	---	5 1/16	1	(20) 10d	(12) 10d	---	---	---	2510	2885	1840	1550	1780	1840	1680	1930	1840	800	800	1840	
		5 1/16	1	(20) 16d	(12) 10d	---	---	---	2750	3160	1840	1550	1780	1840	1680	1930	1840	800	800	1840	
		5 1/16	2	(20) 10d	(12) 10d	---	---	---	2510	2885	1840	2510	2885	1840	2510	2885	1840	800	800	1840	
		5 1/16	2	(20) 16d	(12) 10d	---	---	---	2980	3425	1840	2980	3425	1840	2980	3425	1840	800	800	1840	
HJC28	---	6 1/4	1	(20) 10d	(14) 10d	---	---	---	---	---	---	2510	2885	1780	2180	2510	1780	2130	2450	1780	
		6 1/4	1	(20) 16d	(14) 10d	---	---	---	---	---	---	2750	3160	1780	2180	2510	1780	2130	2450	1780	
		6 1/4	2	(20) 10d	(14) 10d	---	---	---	---	---	---	2510	2885	1780	2510	2885	1780	2510	2885	1780	
		6 1/4	2	(20) 16d	(14) 10d	---	---	---	---	---	---	2980	3425	1780	2980	3425	1780	2980	3425	1780	
HHC28	---	6	1	(24) 10d	(12) 10d	---	---	---	---	---	---	2950	2950	1840	2130	2450	1840	2115	2430	1840	
		6	1	(24) 16d	(12) 10d	---	---	---	---	---	---	3235	3235	1840	2130	2450	1840	2115	2430	1840	
		6	2	(24) 10d	(12) 10d	---	---	---	---	---	---	2950	2950	1840	2950	2950	1840	2950	2950	1840	
		6	2	(24) 16d	(12) 10d	---	---	---	---	---	---	3505	3505	1840	3505	3505	1840	3505	3505	1840	
HJHC28	MTHM	6 1/2	1	(24) 10d	(14) 10d	---	---	---	---	---	---	2950	2950	1840	2145	2465	1840	2120	2435	1840	
		6 1/2	1	(24) 16d	(14) 10d	---	---	---	---	---	---	3235	3235	1840	2145	2465	1840	2120	2435	1840	
		6 1/2	2	(24) 10d	(14) 10d	---	---	---	---	---	---	2950	2950	1840	2950	2950	1840	2950	2950	1840	
		6 1/2	2	(24) 16d	(14) 10d	---	---	---	---	---	---	3505	3505	1840	3505	3505	1840	3505	3505	1840	
<b>Adjustable Slope/Skew Connectors</b>																					
LSSH210 Sloped only	LSSU210	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
LSSH210 Sloped & Skewed	LSSU210	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
LSSH179 Sloped only	LSSU125	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
LSSH179 Sloped & Skewed	LSSU125	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1140	1310	1065	1140	1310	1065	
LSSH31 Sloped only	LSSU210-2	7 9/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1910	2195	1585	2055	2360	1585	
		7 9/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1910	2195	1585	2055	2360	1585	
		7 9/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	2095	2405	1585	2095	2405	1585
		7 9/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	2485	2855	1585	2485	2855	1585
LSSH31 Sloped & Skewed	LSSU210-2	7 9/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1615	1615	1585	1615	1615	1585	
		7 9/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1770	1770	1585	1770	1770	1585	
		7 9/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1615	1615	1585	1615	1615	1585
		7 9/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1920	1920	1585	1920	1920	1585
LSSH35 Sloped Only	LSSU410	7 9/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1910	2195	1585	2055	2360	1585	
		7 9/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1910	2195	1585	2055	2360	1585	
		7 9/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	2095	2405	1585	2095	2405	1585
		7 9/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	2485	2855	1585	2485	2855	1585
LSSH35 Sloped & Skewed	LSSU410	7 9/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1615	1615	1585	1615	1615	1585	
		7 9/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	1770	1770	1585	1770	1770	1585	
		7 9/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1615	1615	1585	1615	1615	1585
		7 9/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	1920	1920	1585	1920	1920	1585

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.