







**USP STRUCTURAL CONNECTORS**  
**ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2014 END CHORD ALLOWABLE LOADS (Douglas Fir)**

USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Plies	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			
						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%	100%	115%	160%
				2 Ply Carried Member																	
THD26-2	HHUS26-2	5 <sup>3</sup> / <sub>8</sub>	1	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	555	640	2285	400	400	2285	400	400	2285	
		5 <sup>3</sup> / <sub>8</sub>	1	(18) 16d	(12) 16d	---	---	---	2345	2695	2285	555	640	2285	400	400	2285	400	400	2285	
		5 <sup>3</sup> / <sub>8</sub>	2	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	1110	1280	2285	575	660	2285	400	400	2285	
THDH26-2	HGUS26-2	4 <sup>15</sup> / <sub>16</sub>	1	(22) 10d	(8) 10d	---	---	---	3295	3795	1880	555	640	1880	400	400	1880	400	400	1880	
		4 <sup>15</sup> / <sub>16</sub>	1	(22) 16d	(8) 16d	---	---	---	3615	4160	2235	555	640	2235	400	400	2235	400	400	2235	
		4 <sup>15</sup> / <sub>16</sub>	2	(22) 10d	(8) 10d	---	---	---	3295	3795	1880	1110	1280	1880	575	660	1880	400	400	1880	
SUH28-2	--	4 <sup>11</sup> / <sub>16</sub>	1	(10) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1160	1335	740	490	560	740	
		4 <sup>11</sup> / <sub>16</sub>	1	(10) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	1250	1435	740	490	560	740	
		4 <sup>11</sup> / <sub>16</sub>	2	(10) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1160	1335	740	975	1125	740	
HD28-2	HU28-2	5 <sup>7</sup> / <sub>16</sub>	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1665	1910	1140	820	945	1140	
		5 <sup>7</sup> / <sub>16</sub>	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1825	2095	1140	820	945	1140	
		5 <sup>7</sup> / <sub>16</sub>	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1665	1910	1140	1640	1885	1140	
JUS28-2	LUS28-2	4 <sup>13</sup> / <sub>16</sub>	1	(6) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1075	1235	1130	895	1030	1130	
		4 <sup>13</sup> / <sub>16</sub>	1	(6) 16d	(4) 16d	---	---	---	---	---	---	---	---	---	1190	1370	1355	895	1030	1355	
		4 <sup>13</sup> / <sub>16</sub>	2	(6) 10d	(4) 10d	---	---	---	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	
HUS28-2	HUS28-2	6 <sup>5</sup> / <sub>8</sub>	1	(6) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1305	1500	1525	895	1030	1525	
		6 <sup>5</sup> / <sub>8</sub>	1	(6) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1430	1645	1810	895	1030	1810	
		6 <sup>5</sup> / <sub>8</sub>	2	(6) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1305	1500	1525	1305	1500	1525	
THD28-2	HHUS28-2	7 <sup>1</sup> / <sub>8</sub>	1	(28) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	3325	3825	2595	895	1030	2595	
		7 <sup>1</sup> / <sub>8</sub>	1	(28) 16d	(16) 16d	---	---	---	---	---	---	---	---	---	3645	4190	2595	895	1030	2595	
		7 <sup>1</sup> / <sub>8</sub>	2	(28) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	3325	3825	2595	1790	2060	2595	
THDH28-2	HGUS28-2	6 <sup>13</sup> / <sub>16</sub>	1	(36) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	5505	6330	2245	895	1030	2245	
		6 <sup>13</sup> / <sub>16</sub>	1	(36) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	6030	6935	2665	895	1030	2665	
		6 <sup>13</sup> / <sub>16</sub>	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	5505	6330	2245	1790	2060	2245	
SUH210-2	U210-2	8	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1625	1870	1115	
		8	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1780	2050	1115	
		8	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1625	1870	1115	
HD210-2	HU210-2	8 <sup>7</sup> / <sub>8</sub>	1	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	2140	2460	1905	
		8 <sup>7</sup> / <sub>8</sub>	1	(18) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	---	---	---	2345	2695	1905	
		8 <sup>7</sup> / <sub>8</sub>	2	(18) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	---	---	---	2140	2460	1905	
JUS210-2	LUS210-2	8 <sup>5</sup> / <sub>8</sub>	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1500	1720	1650	
		8 <sup>5</sup> / <sub>8</sub>	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1660	1910	1980	
		8 <sup>5</sup> / <sub>8</sub>	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1500	1720	1650	
HUS210-2	HUS210-2	8 <sup>5</sup> / <sub>8</sub>	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1800	2070	1980	
		8 <sup>5</sup> / <sub>8</sub>	1	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1740	2000	1860	
		8 <sup>5</sup> / <sub>8</sub>	1	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1905	2190	2210	
THD210-2	HHUS210-2	9 <sup>1</sup> / <sub>8</sub>	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	---	---	4515	5185	3810	
		9 <sup>1</sup> / <sub>8</sub>	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	---	---	4950	5685	3810	
		9 <sup>1</sup> / <sub>8</sub>	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	---	---	4515	5185	3810	
THDH210-2	HGUS210-2	8 <sup>11</sup> / <sub>16</sub>	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	---	---	6955	6955	2940	
		8 <sup>11</sup> / <sub>16</sub>	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	---	---	7625	7625	3490	
		8 <sup>11</sup> / <sub>16</sub>	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	---	---	6955	6955	2940	
		8 <sup>11</sup> / <sub>16</sub>	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	---	---	8260	8260	3490	

See footnotes on page 7.



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USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Plies	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		
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%
<b>3 Ply Carried Member</b>																							
JUS26-3	LUS26-3	4 <sup>1</sup> / <sub>16</sub>	1	(4) 10d	(4) 10d	---	---	---	685	790	1130	400	400	1130	400	400	1130	400	400	1130			
		4 <sup>1</sup> / <sub>16</sub>	1	(4) 16d	(4) 16d	---	---	---	685	790	1355	400	400	1355	400	400	1355	400	400	1355			
		4 <sup>1</sup> / <sub>16</sub>	2	(4) 10d	(4) 10d	---	---	---	845	975	1130	560	645	1130	400	400	1130	400	400	1130			
THDH26-3	HGUS26-3	4 <sup>1</sup> / <sub>8</sub>	1	(20) 10d	(8) 10d	---	---	---	3295	3795	1880	555	640	1880	400	400	1880	400	400	1880			
		4 <sup>1</sup> / <sub>8</sub>	1	(20) 16d	(8) 16d	---	---	---	3615	4160	2235	555	640	2235	400	400	2235	400	400	2235			
		4 <sup>1</sup> / <sub>8</sub>	2	(20) 10d	(8) 10d	---	---	---	3295	3795	1880	1110	1280	1880	575	660	1880	400	400	1880			
JUS28-3	LUS28-3	4 <sup>1</sup> / <sub>16</sub>	1	(6) 10d	(4) 10d	---	---	---	---	---	---	---	1075	1235	1130	540	620	1130	400	400			
		4 <sup>1</sup> / <sub>16</sub>	1	(6) 16d	(4) 16d	---	---	---	---	---	---	---	1190	1370	1355	540	620	1355	400	400			
		4 <sup>1</sup> / <sub>16</sub>	2	(6) 10d	(4) 10d	---	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	660	760			
THDH28-3	HGUS28-3	7 <sup>1</sup> / <sub>4</sub>	1	(36) 10d	(10) 10d	---	---	---	---	---	---	---	5700	6555	2245	895	1030	2245	485	560			
		7 <sup>1</sup> / <sub>4</sub>	1	(36) 16d	(10) 16d	---	---	---	---	---	---	---	6250	7185	2665	895	1030	2665	485	560			
		7 <sup>1</sup> / <sub>4</sub>	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	5700	6555	2245	1790	2060	2245	970	1120			
JUS210-3	LUS210-3	7 <sup>1</sup> / <sub>8</sub>	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1500	1720	1650	950	1095				
		7 <sup>1</sup> / <sub>8</sub>	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1660	1910	1980	950	1095				
		7 <sup>1</sup> / <sub>8</sub>	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720				
THD210-3	HHUS210-3	8 <sup>1</sup> / <sub>8</sub>	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	1800	2070	1980	1800	2070				
		8 <sup>1</sup> / <sub>8</sub>	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	5225	6010	3850	1275	1465				
		8 <sup>1</sup> / <sub>8</sub>	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	4765	5480	3850	2550	2935				
THDH210-3	HGUS210-3	8 <sup>1</sup> / <sub>4</sub>	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	7345	8300	3845	1490	1715				
		8 <sup>1</sup> / <sub>4</sub>	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	8055	9095	4565	1490	1715				
		8 <sup>1</sup> / <sub>4</sub>	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	7345	8300	3845	2985	3430				
JUS44	LUS44	2 <sup>3</sup> / <sub>8</sub>	1	(4) 10d	(2) 10d	595	685	270	400	400	270	400	400	270	400	400	270	400	400				
		2 <sup>3</sup> / <sub>8</sub>	1	(4) 16d	(2) 16d	595	685	325	400	400	325	400	400	325	400	400	325	400	400				
		2 <sup>3</sup> / <sub>8</sub>	2	(4) 10d	(2) 10d	650	750	270	400	400	270	400	400	270	400	400	270	400	400				
JUS46	LUS46	4 <sup>3</sup> / <sub>16</sub>	1	(4) 10d	(4) 10d	---	---	---	845	975	1130	420	485	1130	400	400	1130	400	400				
		4 <sup>3</sup> / <sub>16</sub>	1	(4) 16d	(4) 16d	---	---	---	935	1080	1355	420	485	1355	400	400	1355	400	400				
		4 <sup>3</sup> / <sub>16</sub>	2	(4) 10d	(4) 10d	---	---	---	845	975	1130	840	965	1130	465	535	1130	400	400				
HUS46	HUS46	4 <sup>3</sup> / <sub>16</sub>	1	(4) 10d	(4) 10d	---	---	---	865	1000	940	420	485	940	400	400	940	400	400				
		4 <sup>3</sup> / <sub>16</sub>	1	(4) 16d	(4) 16d	---	---	---	950	1095	1115	420	485	1115	400	400	1115	400	400				
		4 <sup>3</sup> / <sub>16</sub>	2	(4) 10d	(4) 10d	---	---	---	865	1000	940	840	965	940	465	535	940	400	400				
THD46	HHUS46	5 <sup>1</sup> / <sub>16</sub>	1	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	525	605	2285	400	400	2285	400	400				
		5 <sup>1</sup> / <sub>16</sub>	1	(18) 16d	(12) 16d	---	---	---	2345	2695	2285	525	605	2285	400	400	2285	400	400				
		5 <sup>1</sup> / <sub>16</sub>	2	(18) 10d	(12) 10d	---	---	---	2140	2460	2285	1055	1215	2285	550	635	2285	400	400				
THDH46	HGUS46	4 <sup>3</sup> / <sub>4</sub>	1	(22) 10d	(8) 10d	---	---	---	3295	3795	2195	500	575	2195	400	400	2195	400	400				
		4 <sup>3</sup> / <sub>4</sub>	1	(22) 16d	(8) 16d	---	---	---	3615	4160	2605	500	575	2605	400	400	2605	400	400				
		4 <sup>3</sup> / <sub>4</sub>	2	(22) 10d	(8) 10d	---	---	---	3295	3795	2195	995	1145	2195	530	605	2195	400	400				
HD48	HU48	4 <sup>15</sup> / <sub>16</sub>	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	1665	1910	1140	705	810	1140	405				
		4 <sup>15</sup> / <sub>16</sub>	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	1825	2095	1140	705	810	1140	405				
		4 <sup>15</sup> / <sub>16</sub>	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	1665	1910	1140	1410	1625	1140	815				
JUS48	LUS48	4 <sup>9</sup> / <sub>16</sub>	1	(6) 10d	(4) 10d	---	---	---	---	---	---	---	1075	1235	1130	750	865	1130	425				
		4 <sup>9</sup> / <sub>16</sub>	1	(6) 16d	(4) 16d	---	---	---	---	---	---	---	1190	1370	1355	750	865	1355	425				
		4 <sup>9</sup> / <sub>16</sub>	2	(6) 10d	(4) 10d	---	---	---	---	---	---	---	1075	1235	1130	1075	1235	1130	855				
JUS48	LUS48	4 <sup>9</sup> / <sub>16</sub>	2	(6) 16d	(4) 16d	---	---	---	---	---	---	---	1290	1485	1355	1290	1485	1355	855				

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USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Plies	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					
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%			
<b>4x Connectors</b>																										
HUS48	HUS48	6 1/4	1	(6) 10d	(6) 10d	---	---	---	---	---	---	---	---	1305	1500	1525	690	795	1525	400	460	1525				
		6 1/4	1	(6) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	1430	1645	1810	690	795	1810	400	460	1810			
		6 1/4	2	(6) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	1305	1500	1525	1305	1500	1525	800	920	1525			
THD48	HHUS48	7 1/16	1	(28) 10d	(16) 10d	---	---	---	---	---	---	---	---	3325	3825	2595	855	985	2595	470	540	2595				
		7 1/16	1	(28) 16d	(16) 16d	---	---	---	---	---	---	---	---	---	3645	4190	2595	855	985	2595	470	540	2595			
		7 1/16	2	(28) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	3325	3825	2595	1715	1970	2595	940	1085	2595			
THDH48	HGUS48	6 5/8	1	(36) 10d	(10) 10d	---	---	---	---	---	---	---	---	5505	6330	2680	820	945	2680	455	525	2680				
		6 5/8	1	(36) 16d	(10) 16d	---	---	---	---	---	---	---	---	---	6030	6935	3185	820	945	3185	455	525	3185			
		6 5/8	2	(36) 10d	(10) 10d	---	---	---	---	---	---	---	---	---	5505	6330	2680	1645	1890	2680	915	1050	2680			
SUH410	U410	7 3/4	1	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	1625	1870	1115	955	1095	1115				
		7 3/4	1	(14) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	1780	2050	1115	955	1095	1115				
		7 3/4	2	(14) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1625	1870	1115	1625	1870	1115			
JUS410	LUS410	8 3/8	1	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	1500	1720	1650	1275	1465	1650				
		8 3/8	1	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	1660	1910	1980	1275	1465	1980				
		8 3/8	2	(8) 10d	(6) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1500	1720	1650	1500	1720	1650			
HUS410	HUS410	8 3/8	2	(8) 16d	(6) 16d	---	---	---	---	---	---	---	---	---	---	---	1800	2070	1980	1800	2070	1980				
		8 3/8	1	(8) 10d	(8) 10d	---	---	---	---	---	---	---	---	---	---	---	---	1740	2000	1860	1275	1465	1860			
		8 3/8	1	(8) 16d	(8) 16d	---	---	---	---	---	---	---	---	---	---	---	---	1905	2190	2210	1275	1465	2210			
THD410	HHUS410	9 1/16	1	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	---	4515	5185	3810	1435	1650	3810				
		9 1/16	1	(38) 16d	(20) 16d	---	---	---	---	---	---	---	---	---	---	---	---	4950	5685	3810	1435	1650	3810			
		9 1/16	2	(38) 10d	(20) 10d	---	---	---	---	---	---	---	---	---	---	---	---	4515	5185	3810	2870	3300	3810			
THDH410	HGUS410	8 1/2	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	---	6955	7585	3345	1375	1580	3345				
		8 1/2	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	---	---	7625	8315	3970	1375	1580	3970			
		8 1/2	2	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	---	---	6955	7585	3345	2750	3160	3345			
THDH412	HGUS412	8 1/2	2	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	---	8260	9010	3970	2750	3160	3970				
		10 1/2	1	(56) 10d	(14) 10d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8290	8290	4400			
		10 1/2	1	(56) 16d	(14) 16d	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9090	9090	5225			
HD17925	HU9	8	1	(18) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	2140	2335	1065	1350	1555	1065				
		8	1	(18) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2345	2560	1065	1350	1555	1065	
		8	2	(18) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2140	2335	1065	1350	1555	1065
THDH610	HGUS5.50/10	8 13/16	1	(46) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	---	---	7345	8300	3845	1315	1515	3845				
		8 13/16	1	(46) 16d	(16) 16d	---	---	---	---	---	---	---	---	---	---	---	---	8055	9095	4565	1315	1515	4565			
		8 13/16	2	(46) 10d	(16) 10d	---	---	---	---	---	---	---	---	---	---	---	---	7345	8300	3845	2630	3025	3845			
THDH7210	HGUS7.25/10	8 13/16	2	(46) 16d	(16) 16d	---	---	---	---	---	---	---	---	---	---	---	8725	9855	4565	2630	3025	4565				
		8 15/16	1	(46) 10d	(12) 10d	---	---	---	---	---	---	---	---	---	---	---	---	6955	7585	3345	1230	1410	3345			
		8 15/16	1	(46) 16d	(12) 16d	---	---	---	---	---	---	---	---	---	---	---	---	7625	8315	3970	1230	1410	3970			
SKH24L/R	SUR/L24	3 1/4	1	(4) 10d	(4) 10d x 1 1/2	430	430	565	400	400	565	400	400	565	400	400	565	400	400	565	400	400	565			
		3 1/4	1	(4) 16d	(4) 10d x 1 1/2	470	470	565	400	400	565	400	400	565	400	400	565	400	400	565	400	400	565			
		3 1/4	2	(4) 10d	(4) 10d x 1 1/2	430	430	565	400	400	565	400	400	565	400	400	565	400	400	565	400	400	565			
SKH26L/R	SUR/L26	4 3/8	1	(6) 10d	(6) 10d x 1 1/2	510	510	565	400	400	565	400	400	565	400	400	565	400	400	565	400	400	565			
		4 3/8	1	(6) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	580	665	1085	400	400	1085	400	400	1085
		4 3/8	2	(6) 10d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	700	750	1085	505	580	1085	400	400	1085
SKH26L/R	SUR/L26	4 3/8	2	(6) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	830	890	1085	505	580	1085	400	400	1085	
		4 3/8	2	(6) 16d	(6) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
<b>45° Skewed Connectors</b>																										

See footnotes on page 7.







**USP STRUCTURAL CONNECTORS  
ENGINEERED PRODUCTS/ENGINEERING SERVICES**

**ANSI/TPI 1-2014 END CHORD ALLOWABLE LOADS (Douglas Fir)**

USP Stock No.	Ref. No.	Min. Heel Height (in)	No. of Supporting Member Plies	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						
						100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%	100%	115%	160%							
<b>Hip/Jack Connectors</b>																											
HTHJ26-18	LTHJR/L	4 7/8	1	(16) 10d	(12) 10d	---	---	---	910	1050	1205	400	400	1205	400	400	1205	400	400	1205							
		4 7/8	1	(16) 16d	(12) 16d	---	---	---	910	1050	1320	400	400	1320	400	400	1320	400	400	1320							
		4 7/8	2	(16) 10d	(12) 10d	---	---	---	1825	2095	1205	665	760	1205	400	400	1205	400	400	1205							
		4 7/8	2	(16) 16d	(12) 16d	---	---	---	1825	2095	1430	665	760	1430	400	400	1430	400	400	1430							
HJC26	---	5 7/16	1	(16) 10d	(12) 10d	---	---	---	2010	2305	1525	555	640	1525	400	400	1525	400	400	1525							
		5 7/16	1	(16) 16d	(12) 10d	---	---	---	2200	2530	1525	555	640	1525	400	400	1525	400	400	1525							
		5 7/16	2	(16) 10d	(12) 10d	---	---	---	2010	2305	1525	1110	1280	1525	575	660	1525	400	400	1525							
		5 7/16	2	(16) 16d	(12) 10d	---	---	---	2385	2740	1525	1110	1280	1525	575	660	1525	400	400	1525							
HHC26	---	4 15/16	1	(20) 10d	(10) 10d	---	---	---	2510	2885	1015	525	605	1015	400	400	1015	400	400	1015							
		4 15/16	1	(20) 16d	(10) 10d	---	---	---	2750	3160	1015	525	605	1015	400	400	1015	400	400	1015							
		4 15/16	2	(20) 10d	(10) 10d	---	---	---	2510	2885	1015	1055	1215	1015	550	635	1015	400	400	1015							
		4 15/16	2	(20) 16d	(10) 10d	---	---	---	2980	3425	1015	1055	1215	1015	550	635	1015	400	400	1015							
HJHC26	---	5 7/16	1	(20) 10d	(12) 10d	---	---	---	2510	2885	1840	525	605	1840	400	400	1840	400	400	1840							
		5 7/16	1	(20) 16d	(12) 10d	---	---	---	2750	3160	1840	525	605	1840	400	400	1840	400	400	1840							
		5 7/16	2	(20) 10d	(12) 10d	---	---	---	2510	2885	1840	1055	1215	1840	550	635	1840	400	400	1840							
		5 7/16	2	(20) 16d	(12) 10d	---	---	---	2980	3425	1840	1055	1215	1840	550	635	1840	400	400	1840							
HJC28	---	6 1/4	1	(20) 10d	(14) 10d	---	---	---	---	---	---	2510	2885	1780	895	1030	1780	485	560	1780							
		6 1/4	1	(20) 16d	(14) 10d	---	---	---	---	---	---	2750	3160	1780	895	1030	1780	485	560	1780							
		6 1/4	2	(20) 10d	(14) 10d	---	---	---	---	---	---	2510	2885	1780	1790	2060	1780	970	1120	1780							
		6 1/4	2	(20) 16d	(14) 10d	---	---	---	---	---	---	2980	3425	1780	1790	2060	1780	970	1120	1780							
HHC28	---	6	1	(24) 10d	(12) 10d	---	---	---	---	---	---	2950	2950	1840	840	965	1840	465	535	1840							
		6	1	(24) 16d	(12) 10d	---	---	---	---	---	---	3235	3235	1840	840	965	1840	465	535	1840							
		6	2	(24) 10d	(12) 10d	---	---	---	---	---	---	2950	2950	1840	1680	1930	1840	925	1065	1840							
		6	2	(24) 16d	(12) 10d	---	---	---	---	---	---	3505	3505	1840	1680	1930	1840	925	1065	1840							
HJHC28	MTHM	6 1/2	1	(24) 10d	(14) 10d	---	---	---	---	---	---	2950	2950	1840	855	985	1840	470	540	1840							
		6 1/2	1	(24) 16d	(14) 10d	---	---	---	---	---	---	3235	3235	1840	855	985	1840	470	540	1840							
		6 1/2	2	(24) 10d	(14) 10d	---	---	---	---	---	---	2950	2950	1840	1715	1970	1840	940	1085	1840							
		6 1/2	2	(24) 16d	(14) 10d	---	---	---	---	---	---	3505	3505	1840	1715	1970	1840	940	1085	1840							
<b>Adjustable Slope/Skew Connectors</b>																											
LSSH210 Sloped only	LSSU210	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	545	625	1065	400	400	1065					
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	1085	1250	1065	660	760	1065				
LSSH210 Sloped & Skewed	LSSU210	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	545	625	1065	400	400	1065				
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	1085	1250	1065	660	760	1065			
LSSH179 Sloped only	LSSU125	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	545	625	1065	400	400	1065				
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	1085	1250	1065	660	760	1065			
LSSH179 Sloped & Skewed	LSSU125	8	1	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	545	625	1065	400	400	1065			
		8	2	(10) 10d	(7) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1085	1250	1065	660	760	1065		
LSSH31 Sloped only	LSSU210-2	7 7/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585			
		7 7/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585		
		7 7/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585		
		7 7/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585	
LSSH31 Sloped & Skewed	LSSU210-2	7 7/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585		
		7 7/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585	
		7 7/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585	
		7 7/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585
LSSH35 Sloped Only	LSSU410	7 7/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585		
		7 7/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585	
		7 7/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585	
		7 7/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585
LSSH35 Sloped & Skewed	LSSU410	7 7/16	1	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585	
		7 7/16	1	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	595	685	1585	400	410	1585
		7 7/16	2	(14) 10d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820	1585
		7 7/16	2	(14) 16d	(12) 10d x 1 1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1195	1370	1585	715	820

- 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) ANSI/TPI 1-2014 contains plating methods for satisfying this requirement. To avoid reduction of capacity, please consult with truss fabricator or contact MITek USA.
- 4) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long.