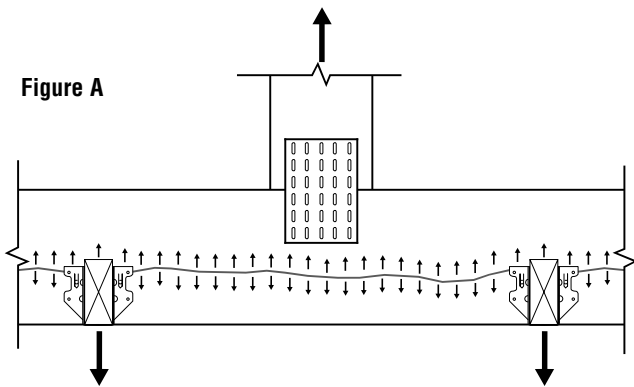


ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)



ANSI/TPI 1-2002 is the National Design Standard for Metal Plate Connected Wood Truss Construction. Within this standard, the design criteria and design responsibilities are defined. One section of this standard includes a requirement to check the bottom chord of a carrying (girder) member at each face mount hanger connection. The reason for this is that wood does not perform well when transferring forces where tension is

applied perpendicular to the grain of the lumber. Figure A shows an application where the web member is restrained at the top of the bottom chord and the hangers are transferring load below the centerline. The result of this type of application is that the bottom chord is trying to pull apart, which is referred to as cross grain tension or tension perpendicular to the grain.



While the capacity of the hanger remains unaffected by this type of application, the lumber can be the limiting factor. The ANSI/TPI standard provides a method to calculate the capacity of the lumber using the following parameters: the lumber cross-section (height and number of plies), wood species and grade, and the location of the upper-most fastener in the face mount hanger. The higher the top most nail is placed above the centerline of the bottom chord, the higher the capacity of the bottom chord when considering tension perpendicular to grain. If the top nail is below the centerline of the bottom chord, then the standard limits the amount of load to 800 lbs.

The tables in this publication examine common hanger selections in the truss industry. The allowable load values are based on the lowest of the following: calculated capacity of the fasteners, the tested capacity of the hanger (with a three time factor of safety), the ANSI/TPI calculation for tension perpendicular to the grain of the lumber. Those products which have an allowable load limited by the ANSI/TPI calculation are shown in ***bold/italics***.

CONNECTIONS UNAFFECTED BY ANSI/TPI 1-2002

- Top flange hangers such as the PF, HUTF, WPT series, and MSCPT are not affected.
- THA adjustable truss hangers are not affected provided the hanger is wrapped over the top of the truss chord and is fastened to either the top or back of the chord.
- Bolted connections such as the THGB series, and THGAR/L are not affected when attached to a vertical web member.
- Allowable loads for connectors attached to a solid sawn header, glulam beam, or composite wood product such as LVL, PSL and LSL are not covered by the ANSI/TPI 1-2002.
- Miscellaneous connectors such as the VPA, HRC, HCP, LTS, MTS, HTS, TBE, TC, ETA, META, HHETA, Hurricane Ties and Angles are not covered by the ANSI/TPI-2002.

GENERAL NOTES

1. Loads provided within these tables are based on the lesser of the tested capacity or the calculated capacity including considerations for cross grain tension of the bottom chord per ANSI/TPI. The ANSI/TPI calculations are based upon the 2001 NDS where shear parallel to grain (F_v) values are equal to 180 psi for DF, 175 psi for SP, and 135 psi for SPF which provides a slightly conservative result compared to the 1997 NDS with a $C_H=2.0$. Values which are governed by ANSI/TPI calculations are shown as ***bold/italics***. Other values may differ from the current mainline catalog or existing code report as they are based on updated nail calculations.
2. The minimum heel height is measured from the top of the bearing seat to the upper most nail into the carried member + $\frac{3}{8}$ inch.
3. For applications where nails are specified which will extend out the backside of the header, it is suggested that these nails be clinched to help prevent injury.
4. Refer to the current Simpson Strong-Tie *Wood Construction Connectors Catalog* for additional information regarding installation of products.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
					(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
1 PLY CARRIED MEMBER (Continued on next page)																					
LU24 ²	2 ³ / ₁₆	1	(2)10dX1 ¹ / ₂	(4)10dX1 ¹ / ₂	220	230	330	380	415	440	515	330	380	415	440	515	330	380	415	440	515
				(4)10d	220	230	340	390	425	450	545	340	390	425	450	545	340	390	425	450	545
				(4)16d	220	230	365	420	455	485	585	365	420	455	485	585	365	420	455	485	585
		2	(2)10dX1 ¹ / ₂	(4)10d	220	230	400	460	500	535	640	400	460	500	535	640	400	460	500	535	640
				(4)16d	220	230	475	545	595	630	755	475	545	595	630	755	475	545	595	630	755
				(4)10dX1 ¹ / ₂	415	420	500	580	630	670	805	500	580	630	670	800	500	580	630	670	800
LUS24 ²	2 ⁵ / ₁₆	1	(2)10d	(4)10d	415	420	515	590	640	680	820	515	590	640	680	800	515	590	640	680	800
				(4)10dX1 ¹ / ₂	415	420	575	660	720	765	920	575	660	720	765	800	575	660	720	765	800
				(4)16d	415	420	605	695	755	800	850	605	695	755	800	850	605	695	755	800	850
		2	(2)10d	(4)10d	415	420	515	590	640	680	820	515	590	640	680	800	515	590	640	680	800
				(4)10dX1 ¹ / ₂	415	420	575	660	720	765	920	575	660	720	765	800	575	660	720	765	800
				(4)16d	415	420	605	695	755	800	850	605	695	755	800	850	605	695	755	800	850
U24 ²	2 ³ / ₁₆	1	(2)10dX1 ¹ / ₂	(4)10dX1 ¹ / ₂	220	230	330	375	410	435	525	330	375	410	435	525	330	375	410	435	525
				(4)10d	220	230	340	390	425	455	545	340	390	425	455	545	340	390	425	455	545
				(4)16d	220	230	365	420	460	485	585	365	420	460	485	585	365	420	460	485	585
		2	(2)10dX1 ¹ / ₂	(4)10d	220	230	405	465	505	535	645	405	465	505	535	645	405	465	505	535	645
				(4)16d	220	230	475	545	595	630	760	475	545	595	630	760	475	545	595	630	760
				(4)10dX1 ¹ / ₂	440	490	500	570	620	660	685	500	570	620	660	685	500	570	620	660	685
LU26	4 ³ / ₁₆	1	(4)10dX1 ¹ / ₂	(6)10dX1 ¹ / ₂	440	490	510	585	635	675	815	510	585	635	675	815	510	585	635	675	800
				(6)10d	440	490	550	630	685	730	880	550	630	685	730	880	550	630	685	730	800
				(6)16d	440	490	605	695	755	800	850	605	695	755	800	850	605	695	755	800	850
		2	(4)10dX1 ¹ / ₂	(6)10d	440	490	605	695	755	800	850	605	695	755	800	850	605	695	755	800	850
				(6)16d	440	490	710	820	890	945	1005	710	820	890	945	1005	710	800	800	800	800
				(4)10dX1 ¹ / ₂	835	1000	675	775	845	900	1080	675	775	845	900	1080	675	775	800	800	800
LUS26	4 ¹ / ₄	1	(4)10d	(4)10d	835	1000	685	790	860	910	1100	685	790	860	910	1100	685	790	860	910	1100
				(4)10dX1 ¹ / ₂	835	1000	750	860	935	995	1200	750	860	935	995	1200	750	800	800	800	800
				(6)10d	935	935	1015	1165	1260	1260	1260	1015	1165	1260	1260	1260	1015	1165	1260	1260	1260
		2	(4)10d	(6)10d	935	935	1030	1185	1290	1370	1570	1030	1185	1290	1370	1570	1030	1185	1290	1370	1570
				(6)10dX1 ¹ / ₂	935	935	1125	1295	1405	1495	1570	1125	1295	1405	1495	1570	1125	1295	1405	1495	1570
				(6)16d	935	935	1295	1405	1495	1570	1125	1295	1405	1495	1570	1125	1295	1405	1495	1570	
U26	4 ⁹ / ₁₆	1	(4)10dX1 ¹ / ₂	(6)10dX1 ¹ / ₂	435	500	490	565	615	655	785	490	565	615	655	785	490	565	615	655	785
				(6)10d	435	500	510	590	640	680	815	510	590	640	680	815	510	590	640	680	800
				(6)16d	435	500	550	630	685	730	880	550	630	685	730	880	550	630	685	730	800
		2	(4)10dX1 ¹ / ₂	(6)10d	435	500	605	695	755	805	970	605	695	755	805	970	605	695	755	805	970
				(6)16d	435	500	715	820	890	950	1140	715	820	890	950	1140	715	800	800	800	800
				(4)10dX1 ¹ / ₂	220	260	325	375	410	435	525	325	375	410	435	525	325	375	410	435	525
HU26 ²	3 ¹ / ₁₆	1	(2)10dX1 ¹ / ₂	(4)10d	220	260	345	395	430	455	550	345	395	430	455	550	345	395	430	455	550
				(4)16d	220	260	370	425	460	490	590	370	425	460	490	590	370	425	460	490	590
				(4)10dX1 ¹ / ₂	220	260	405	470	510	540	650	405	470	510	540	650	405	470	510	540	650
		2	(2)10dX1 ¹ / ₂	(4)16d	220	260	480	550	595	635	765	480	550	595	635	765	480	550	595	635	765
				(14)10dX1 ¹ / ₂	1265	1315	1615	1855	1950	1950	1950	1125	1295	1410	1500	1800	1255	1445	1570	1670	1950
				(14)10d	1265	1315	1660	1910	2075	2205	2430	1125	1295	1410	1500	1800	1255	1445	1570	1670	2005
2	(2)10dX1 ¹ / ₂	(14)16d	1335	1335	1900	2185	2375	2525	2740	1125	1295	1410	1500	1800	1255	1445	1570	1670	2005		
		(6)10d	1265	1315	1880	2160	2350	2430	2430	1880	2160	2350	2430	2430	1880	2160	2350	2430	2430		
		(6)16d	1335	1335	2280	2505	2560	2600	2740	2255	2505	2560	2600	2740	2280	2505	2560	2600	2740		
HTU26 (MIN)	3 ⁷ / ₁₆	1	(14)10dX1 ¹ / ₂	(20)10dX1 ¹ / ₂	1060	1060	1395	1395	1395	1395	1395	1180	1360	1395	1395	1395	1265	1395	1395	1395	1395
				(20)10d	1060	1060	1455	1455	1455	1455	1455	1180	1360	1455	1455	1455	1265	1455	1455	1455	1455
				(20)16d	1060	1060	1555	1555	1555	1555	1555	1180	1360	1475	1555	1555	1265	1455	1555	1555	1555
		2	(14)10dX1 ¹ / ₂	(20)10d	1060	1060	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720	1720
				(20)16d	1060	1060	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
				(20)10dX1 ¹ / ₂	1060	1060	1395	1395	1395	1395	1395	1180	1360	1395	1395	1395	1265	1395	1395	1395	1395

1. See General Notes, page 1.

2. LU24, LUS24, U24, and HU26 attached to 2X4 carrying member bottom chords shall have the same capacity as listed for attachment to 2X6 bottom chord.

3. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume 1/2" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
					(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
1 PLY CARRIED MEMBER (Continued from previous page)																					
HTU26 (MAX)	5½	1	(20)10dX1½	(20)10dX1½	1335	1335	1725	1985	2155	2295	2390	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
				(20)10d	1335	1335	1795	2065	2245	2385	2485	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
		(20)16d	1335	1335	1920	2210	2400	2555	2660	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020		
		2	(20)10dX1½	(20)10d	1335	1335	2125	2445	2655	2825	2945	2125	2445	2655	2825	2945	2125	2445	2655	2825	2945
(20)16d	1335			1060	2490	2860	3110	3310	3450	2360	2715	2950	3140	3450	2490	2860	3110	3110	3450		
HTU26 (MIN-GAP)	3¾	1	(14)10dX1½	(20)10dX1½	965	965	1355	1355	1355	1355	1355	1180	1355	1355	1355	1355	1265	1355	1355	1355	1355
				(20)10d	965	965	1410	1410	1410	1410	1410	1180	1360	1410	1410	1410	1265	1410	1410	1410	1410
		(20)16d	965	965	1505	1505	1505	1505	1505	1180	1360	1475	1505	1505	1265	1455	1505	1505	1505		
		2	(14)10dX1½	(20)10d	965	965	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665
(20)16d	965			965	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955	1955		
HTU26 (MAX-GAP)	5½	1	(20)10dX1½	(20)10dX1½	1045	1045	1640	1640	1640	1640	1640	1180	1360	1475	1570	1640	1265	1455	1580	1640	1640
				(20)10d	1045	1045	1710	1710	1710	1710	1710	1180	1360	1475	1570	1710	1265	1455	1580	1680	1710
		(20)16d	1045	1045	1830	1830	1830	1830	1830	1180	1360	1475	1570	1830	1265	1455	1580	1680	1830		
		2	(20)10dX1½	(20)10d	1045	1045	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
(20)16d	1045			1045	2370	2370	2370	2370	2370	2360	2370	2370	2370	2370	2370	2370	2370	2370	2370		
HGUS26	4¾	1	(8)16d	(20)10dX1½	1520	1520	2435	2435	2435	2435	2435	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
				(20)10d	1520	1520	2560	2560	2560	2560	2560	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
		(20)16d	1520	1520	2660	2660	2660	2660	2660	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020		
		2	(8)16d	(20)10d	1520	1520	2890	2890	2890	2890	2890	2360	2715	2890	2890	2890	2525	2890	2890	2890	2890
(20)16d	1520			1520	3225	3225	3225	3225	3225	2360	2715	2950	3140	3225	2525	2905	3160	3225	3225		
LU28	5¼	1	(6)10dX1½	(8)10dX1½	665	745	Refer to the down and uplift load values and nailing requirements for a LU26 on a 2X6 bottom chord					665	765	780	780	780	665	765	780	780	780
				(8)10d	665	745						680	780	850	905	970	680	780	850	905	970
				(8)16d	665	745						730	840	915	975	1145	730	840	915	975	1145
LU28	5¼	2	(6)10dX1½	(8)10d	665	745	Refer to the down and uplift load values and nailing requirements for a LU26 on a 2X6 bottom chord					805	925	970	970	970	805	925	970	970	970
				(8)16d	665	745						950	1090	1145	1145	1145	950	1090	1145	1145	1145
LUS28	4¾	1	(4)10d	(6)10dX1½	835	1000	Refer to the down and uplift load values and nailing requirements for a LUS26 on a 2X6 bottom chord					840	965	1050	1120	1265	840	965	1050	1120	1265
				(6)10d	835	1000						855	985	1070	1140	1370	855	985	1070	1140	1370
		2	(4)10d	(6)10d	835	1000						950	1090	1185	1265	1520	950	1090	1185	1265	1520
MUS28	6¼	1	(8)10d	(8)10dX1½	1335	1335	Refer to the down and uplift load values and nailing requirements for a MUS26 on a 2X6 bottom chord					1355	1555	1690	1800	1825	1355	1555	1690	1800	1825
				(8)10d	1335	1335						1375	1580	1715	1825	2180	1375	1580	1715	1825	2180
		2	(8)10d	(8)10d	1335	1335						1500	1725	1875	1995	2180	1500	1725	1875	1995	2180
HU28	5¼	1	(4)10dX1½	(6)10dX1½	435	525	Refer to the down and uplift load values and nailing requirements for a HU26 on a 2X6 bottom chord					490	565	615	655	785	490	565	615	655	785
				(6)10d	435	525						515	590	645	685	825	515	590	645	685	825
		(6)16d	435	525	555	635						690	735	885	555	635	690	735	885		
		2	(4)10dX1½	(6)10d	435	525						610	700	760	810	975	610	700	760	810	975
(6)16d	435			525	715	825	895	955	1145	715	825	895	955	1145							
HUS28	6½	1	(8)10d	(22)10dX1½	1685	1695	Refer to the down and uplift load values and nailing requirements for a HUS26 on a 2X6 bottom chord					2425	2540	2540	2540	2540	1610	1850	2010	2140	2540
				(22)10d	1685	1695						2495	2650	2715	2765	2935	1610	1850	2010	2140	2575
		(22)16d	1720	1720	2600	2705						2775	2830	3015	1610	1850	2010	2140	2575		
		2	(8)10d	(22)10d	1685	1695						2555	2650	2715	2765	2935	2555	2650	2715	2765	2935
(22)16d	1720			1720	2600	2705	2775	2830	3015	2600	2705	2775	2830	3015							
HTU28 (MIN)	3¾	1	(14)10dX1½	(26)10dX1½	1060	1060	Refer to load values and nailing requirements for a HTU26 (MIN) on a 2X6 bottom chord					2025	2025	2025	2025	2025	1595	1835	1995	2025	2025
				(26)10d	1060	1060						2105	2105	2105	2105	2105	1595	1835	1995	2105	2105
		(26)16d	1060	1060	2255	2255						2255	2255	2255	1595	1835	1995	2120	2255		
		2	(14)10dX1½	(26)10d	1060	1060						2495	2495	2495	2495	2495	2495	2495	2495	2495	2495
(26)16d	1060			1060	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920							

1. See General Notes, page 1.

2. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume ½" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
					(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
1 PLY CARRIED MEMBER (Continued from previous page)																					
HTU28 (MAX)	7¼	1	(26)10dX1½	(26)10dX1½	1840	1840	Refer to load values and nailing requirements for a HTU26 (MIN) on a 2X6 bottom chord	2240	2580	2800	2890	3240	1595	1835	1995	2120	2555				
				(26)10d	1840	1840		2335	2685	2915	3100	3370	1595	1835	1995	2120	2555				
				(26)16d	1840	1840		2495	2870	3120	3320	3605	1595	1835	1995	2120	2555				
		2	(26)10dX1½	(26)10d	1840	1840		2760	3175	3450	3675	3990	2760	3175	3450	3675	3990				
				(26)16d	1840	1840		3235	3720	4045	4305	4670	3190	3670	3990	4245	4670				
				(26)10dX1½	965	965		1980	1980	1980	1980	1980	1595	1835	1980	1980	1980				
HTU28 (MIN-GAP)	3¾	1	(14)10dX1½	(26)10d	965	965	Refer to load values and nailing requirements for a HTU26 (MIN-GAP) on a 2X6 bottom chord	2060	2060	2060	2060	2060	1595	1835	1995	2060	2060				
				(26)16d	965	965		2205	2205	2205	2205	2205	1595	1835	1995	2120	2205				
				(26)10d	965	965		2440	2440	2440	2440	2440	2440	2440	2440	2440	2440				
		2	(14)10dX1½	(26)16d	965	965		2825	2825	2825	2825	2825	2825	2825	2825	2825	2825				
				(26)10dX1½	1840	1840		2240	2580	2605	2605	2605	1595	1835	1995	2120	2555				
				(26)10d	1840	1840		2335	2685	2715	2715	2715	1595	1835	1995	2120	2555				
HTU28 (MAX-GAP)	7¼	1	(26)10dX1½	(26)16d	1840	1840	Refer to load values and nailing requirements for a HTU26 (MIN-GAP) on a 2X6 bottom chord	2495	2870	2905	2905	2905	1595	1835	1995	2120	2555				
				(26)10d	1840	1840		2760	3175	3210	3210	3210	2760	3175	3210	3210	3210				
				(26)16d	1840	1840		3235	3720	3765	3765	3765	3190	3670	3765	3765	3765				
		2	(26)10dX1½	(36)10dX1½	2595	2595		4300	4465	4580	4670	4915	1635	1880	2045	2175	2615				
				(36)10d	2595	2595		4300	4465	4580	4670	4915	1635	1880	2045	2175	2615				
				(36)16d	2595	2595		4300	4465	4580	4670	4915	1635	1880	2045	2175	2615				
HGUS28	6⅞	1	(12)16d	(36)10d	2595	2595	Refer to the down and uplift load values and nailing requirements for a HGUS26 on a 2X6 bottom chord	4300	4465	4580	4670	4915	3270	3765	4090	4350	4915				
				(36)16d	2595	2595		4300	4465	4580	4670	4915	3270	3765	4090	4350	4915				
				(36)10d	2595	2595		4300	4465	4580	4670	4915	3270	3765	4090	4350	4915				
		2	(12)16d	(36)16d	2595	2595		4300	4465	4580	4670	4915	1005	1155	1255	1335	1560				
				(8)10d	835	1000		1025	1180	1280	1365	1560									
				(8)10d	835	1000		1150	1325	1440	1485	1560									
LUS210	4¼	1	(4)10d	(8)10dX1½	655	790	Refer to the down and uplift load values and nailing requirements for a LUS26 on a 2X6 bottom chord	655	755	820	870	985	820	940	985	985	985				
				(10)10d	655	790		680	785	850	905	1090	850	980	1065	1135	1225				
				(10)16d	655	790		735	845	915	975	1175	915	1055	1145	1220	1445				
		2	(4)10d	(10)10d	655	790		805	930	1010	1075	1225	1010	1160	1225	1225	1225				
				(10)16d	655	790		950	1095	1190	1265	1445	1190	1365	1445	1445	1445				
				(8)10dX1½	435	525		655	755	820	870	985	655	755	820	870	1045				
HU210	7%	1	(4)10dX1½	(8)10d	435	525	Refer to the down and uplift load values and nailing requirements for a HU26 on a 2X6 bottom chord	Refer to the down and uplift load values and nailing requirements for a HU28 on a 2X8 bottom chord					685	790	860	915	1100				
				(8)16d	435	525		740	850	920	980	1180									
				(8)10d	435	525		815	935	1015	1080	1300									
		2	(4)10dX1½	(8)16d	435	525		955	1100	1195	1270	1530									
				(30)10dX1½	2105	2535		2715	2835	2915	2975	3195									
				(30)10d	2105	2535		2715	2835	2915	2975	3195									
HUS210	8%	1	(10)10d	(30)16d	2515	2580	Refer to the down and uplift load values and nailing requirements for a HUS26 on a 2X6 bottom chord	Refer to the down and uplift load values and nailing requirements for a HUS28 on a 2X8 bottom chord					2775	2905	2990	3060	3290				
				(10)16d	2105	2535		2715	2835	2915	2975	3195									
				(30)16d	2515	2580		2775	2905	2990	3060	3290									
		2	(10)16d	(32)10dX1½	1145	1145		2620	2620	2620	2620	2620									
				(32)10d	1145	1145		2725	2725	2725	2725	2725									
				(32)16d	1145	1145		2920	2920	2920	2920	2920									
HTU210 (MIN)	3¾	1	(14)10dX1½	(32)10d	1145	1145	Refer to load values and nailing requirements for a LUS26 on a 2X6 bottom chord	Refer to load values and nailing requirements for a HTU28 (MIN) on a 2X8 bottom chord					3230	3230	3230	3230	3230				
				(32)16d	1145	1145		3265	3265	3265	3265	3265									
				(32)10d	1145	1145		3265	3265	3265	3265	3265									

1. See General Notes, page 1.

2. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume ½" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
					(133)	(160)	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
							(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
1 PLY CARRIED MEMBER (Continued from previous page)																					
HTU210 (MAX)	9¼	1	(32)10dX1½	(32)10dX1½	2850	2850	Refer to load values and nailing requirements for a MUS26 on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MAX) on a 2X8 bottom chord					2760	3175	3450	3570	3570
				(32)10d	2850	2850											2870	3300	3590	3715	3715
		(32)16d	2850	2850	3075	3535											3840	3980	3980		
		(32)10d	2850	2850	3400	3910											4250	4400	4400		
HTU210 (MIN-GAP)	3¾	1	(14)10dX1½	(32)10dX1½	1075	1075	Refer to load values and nailing requirements for a HTU26 (MIN-GAP) on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MIN-GAP) on a 2X8 bottom chord					2325	2325	2325	2325	2325
				(32)10d	1075	1075											2420	2420	2420	2420	2420
		(32)16d	1075	1075	2590	2590											2590	2590	2590		
		(32)10d	1075	1075	2700	2700											2700	2700	2700		
HTU210 (MAX-GAP) Assuming max joist nailing is 32 nails	3¾	1	(14)10dX1½	(32)10dX1½	2800	2800	Refer to load values and nailing requirements for a HTU26 (MAX-GAP) on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MAX-GAP) on a 2X8 bottom chord					2610	2610	2610	2610	2610
				(32)10d	2800	2800											2715	2715	2715	2715	2715
	(32)16d	2800	2800	2905	2905	2905											2905	2905			
	(32)10d	2800	2800	3215	3215	3215											3215	3215			
9¼	2	(14)10dX1½	(32)16d	2800	2800											3765	3765	3765	3765	3765	
			(32)16d	2800	2800											3765	3765	3765	3765	3765	
2 PLY CARRIED MEMBER (Continued on next page)																					
LUS24-2 ²	2¼	1	(2)10d	(4)10dX1½	415	415	485	560	605	645	775	485	560	605	645	775	485	560	605	645	775
				(4)10d	415	415	495	570	620	660	790	495	570	620	660	790	495	570	620	660	790
		2	(2)16d	(4)16d	420	420	570	655	715	760	915	570	655	715	760	800	570	655	715	760	800
				(4)10d	415	415	560	640	695	740	890	560	640	695	740	800	560	640	695	740	800
LUS26-2	4⅞	1	(4)10d	(4)10dX1½	840	990	640	735	800	850	1025	640	735	800	850	1025	640	735	800	800	800
				(4)0d	840	990	650	750	815	865	1040	650	750	815	865	1040	650	750	800	800	800
		2	(4)16d	(4)16d	1000	1000	775	890	970	1030	1240	775	890	970	1030	1240	775	800	800	800	800
				(4)10d	840	990	715	820	890	950	1140	715	820	890	950	1140	715	800	800	800	800
HU26-2 ³	5¾	1	(6)10d	(12)10dX1½	815	980	980	1130	1225	1305	1570	980	1130	1225	1305	1570	980	1130	1225	1305	1570
				(12)10d	815	980	1030	1185	1290	1370	1650	1030	1185	1290	1370	1650	1030	1185	1290	1370	1650
		2	(6)10d	(12)16d	815	980	1105	1270	1385	1470	1770	1105	1270	1385	1470	1770	1105	1270	1385	1470	1770
				(12)10d	815	980	1220	1405	1525	1620	1950	1220	1405	1525	1620	1950	1220	1405	1525	1620	1950
HUS26-2	4⅞	1	(4)10d	(4)10dX1½	840	1015	655	750	820	870	1045	655	750	820	870	1045	655	750	820	870	1045
				(4)10d	840	1015	670	770	840	890	1075	670	770	840	890	1075	670	770	840	890	1075
		2	(4)16d	(4)16d	985	1060	780	895	975	1035	1245	780	895	975	1035	1245	780	895	975	1035	1245
				(4)10d	840	1015	735	845	915	975	1175	735	845	915	975	1175	735	845	915	975	1175
HHUS26-2	4⅞	1	(6)10d	(14)10dX1½	1270	1315	1615	1855	2015	2145	2580	1135	1305	1420	1510	1815	1255	1445	1570	1670	2010
				(14)10d	1270	1315	1670	1920	2085	2220	2670	1135	1305	1420	1510	1815	1255	1445	1570	1670	2010
		2 or more	(6)16d	(14)16d	1335	1335	1905	2190	2385	2535	3050	1135	1305	1420	1510	1815	1255	1445	1570	1670	2010
				(14)10d	1270	1315	1890	2175	2365	2515	3025	1890	2175	2365	2515	3025	1890	2175	2365	2515	3025
(6)16d	(14)16d	1335	1335	2290	2630	2860	3045	3660	2270	2610	2835	3020	3630	2290	2630	2860	3045	3660			

1. See General Notes, page 1.
 2. The LUS24-2 attached to 2X4 carrying member bottom chords shall have the same capacity as listed for attachment to 2X6 bottom chord.
 3. For HU26-2 install fasteners in both round and triangle holes.

4. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume ½" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
							(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
2 PLY CARRIED MEMBER (Continued from previous page)																					
HTU26-2 (MIN)	3 ⁷ / ₈	1	(14)10d	(20)10dX1½	1305	1305	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	
				(20)10d	1305	1305	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775	1775
		2	(14)10d	(20)10d	1305	1305	2105	2105	2105	2105	2105	2105	2105	2105	2105	2105	2105	2105	2105	2105	2105
				(20)16d	1305	1305	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465	2465
HTU26-2 (MAX)	5½	1	(20)10d	(20)10dX1½	1520	1520	1725	1985	2155	2295	2675	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
				(20)10d	1580	1580	1795	2065	2245	2385	2780	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
		2	(20)10d	(20)10d	1690	1690	1920	2210	2400	2555	2975	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
				(20)16d	1870	1870	2125	2445	2655	2825	3295	2125	2445	2655	2825	3295	2125	2445	2655	2825	3295
HTU26-2 (MIN-GAP)	3 ⁷ / ₈	1	(14)10d	(20)10dX1½	1280	1280	1530	1530	1530	1530	1530	1530	1180	1360	1475	1570	1635	1265	1455	1580	1635
				(20)10d	1280	1280	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590
		2	(14)10d	(20)10d	1280	1280	1880	1880	1880	1880	1880	1880	2015	2015	2015	2015	2015	2015	2015	2015	2015
				(20)16d	1280	1280	2205	2205	2205	2205	2205	2205	2360	2360	2360	2360	2360	2360	2360	2360	2360
HTU26-2 (MAX-GAP)	5½	1	(20)10d	(20)10dX1½	1335	1335	1530	1530	1530	1530	1530	1180	1360	1475	1530	1530	1265	1455	1530	1530	
				(20)10d	1385	1380	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590
		2	(20)10d	(20)10d	1485	1485	1700	1700	1700	1700	1700	1700	1180	1360	1475	1570	1700	1265	1455	1580	1680
				(20)16d	1640	1640	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880
HGUS26-2	4 ⁹ / ₁₆	1	(8)10d	(20)10dX1½	1760	1975	2405	2770	3010	3200	3200	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
				(20)10d	1760	1975	2535	2915	3165	3370	3985	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
		2 or more	(8)16d	(20)16d	2000	2000	2810	3235	3515	3740	4500	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
				(8)10d	1760	1975	2880	3310	3600	3830	3985	2360	2715	2950	3140	3780	2525	2905	3160	3360	3985
HGUQ26-2	4¾	2 or more	(4)SDS¼X3	(12)SDS¼X3	1405	1405	2700	3100	3370	3590	4315	2110	2425	2635	2805	3375	800	800	800	800	
					1405	1405	2700	3100	3370	3590	4315	2110	2425	2635	2805	3375	800	800	800	800	
LUS28-2	4 ⁹ / ₁₆	1	(4)10d	(6)10dX1½	840	990	Refer to the down and uplift load values and nailing requirements for a LUS26-2 on a 2X6 bottom chord					805	925	1005	1070	1290	805	925	1005	1070	1290
				(6)10d	840	990						820	945	1025	1090	1315	820	945	1025	1090	1315
		2	(4)16d	(6)10d	1000	1000						960	1105	1200	1275	1535	960	1105	1200	1275	1535
				(6)16d	1000	1000						915	1050	1145	1215	1465	915	1050	1145	1215	1465
HU28-2 ²	7	1	(6)10d	(14)10dX1½	815	980	Refer to the down and uplift load values and nailing requirements for a HU26-2 on a 2X6 bottom chord					1145	1315	1430	1525	1835	1145	1315	1430	1525	1835
				(14)10d	815	980						1200	1380	1500	1600	1925	1200	1380	1500	1600	1925
		2	(6)10d	(14)16d	815	980						1290	1485	1615	1715	2065	1290	1485	1615	1715	2065
				(14)10d	815	980						1425	1635	1780	1895	2275	1425	1635	1780	1895	2275
HUS28-2	6 ⁹ / ₁₆	1	(6)10d	(6)10dX1½	1265	1315	Refer to the down and uplift load values and nailing requirements for a HUS26-2 on a 2X6 bottom chord					980	1130	1225	1305	1570	980	1130	1225	1305	1570
				(6)10d	1265	1315						1005	1155	1255	1340	1610	1005	1155	1255	1340	1610
		2	(6)16d	(6)16d	1335	1335						1170	1345	1460	1555	1870	1170	1345	1460	1555	1870
				(6)10d	1265	1315						1100	1265	1375	1465	1760	1100	1265	1375	1465	1760
2	(6)16d	(6)16d	1335	1335	1330	1530	1665	1770	2130	1330	1530	1665	1770	2130							

1. See General Notes, page 1.
 2. For HU28-2 install fasteners in both round and triangle holes.

3. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume ½" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
					(133)	(160)	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
					(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)		
2 PLY CARRIED MEMBER (Continued from previous page)																					
HTU28-2 (MIN)	3 ⁷ / ₁₆	1	(14)10d	(26)10dX1½	1315	1315	Refer to load values and nailing requirements for a HTU26 (MIN) on a 2X6 bottom chord	2240	2240	2240	2240	2240	1595	1835	1995	2120	2240				
				(26)10d	1315	1315		2330	2330	2330	2330	2330	1595	1835	1995	2120	2330				
				(26)16d	1315	1315		2495	2495	2495	2495	2495	1595	1835	1995	2120	2495				
		2	(14)10d	(26)10d	1315	1315		2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760	2760		
				(26)16d	1315	1315		3235	3235	3235	3235	3235	3190	3235	3235	3235	3235				
				(26)10dX1½	2435	2435		2240	2580	2800	2980	3585	1595	1835	1995	2120	2555				
HTU28-2 (MAX)	7 ¹ / ₄	1	(26)10d	(26)10d	2530	2530	Refer to load values and nailing requirements for a HTU26 (MIN) on a 2X6 bottom chord	2335	2685	2915	3100	3730	1595	1835	1995	2120	2555				
				(26)16d	2710	2710		2495	2870	3120	3320	3995	1595	1835	1995	2120	2555				
				(26)10d	2995	2995		2760	3175	3450	3675	4420	2760	3175	3450	3675	4420				
		2	(26)10d	(26)16d	2995	2995		3235	3720	4045	4305	5175	3190	3670	3990	4245	5105				
				(26)10dX1½	1280	1280		2070	2070	2070	2070	2070	1595	1835	1995	2070	2070				
				(26)10d	1280	1280		2155	2155	2155	2155	2155	1595	1835	1995	2120	2155				
HTU28-2 (MIN-GAP)	3 ⁷ / ₁₆	1	(14)10d	(26)16d	1280	1280	Refer to load values and nailing requirements for a HTU26 (MIN-GAP) on a 2X6 bottom chord	2305	2305	2305	2305	2305	1595	1835	1995	2120	2305				
				(26)10d	1280	1280		2550	2550	2550	2550	2550	2550	2550	2550	2550					
				(26)16d	1280	1280		2985	2985	2985	2985	2985	2985	2985	2985	2985	2985				
		2	(14)10d	(26)10d	1280	1280		2240	2580	2800	2885	2885	1595	1835	1995	2120	2555				
				(26)10d	2205	2205		2335	2685	2915	3005	3005	1595	1835	1995	2120	2555				
				(26)16d	2360	2360		2495	2870	3120	3215	3215	1595	1835	1995	2120	2555				
HTU28-2 (MAX-GAP)	7 ¹ / ₄	1	(26)10d	(26)10d	2610	2610	Refer to load values and nailing requirements for a HTU26 (MIN-GAP) on a 2X6 bottom chord	2760	3175	3450	3555	3555	2760	3175	3450	3555	3555				
				(26)16d	2610	2610		3235	3720	4045	4165	4165	3190	3670	3990	4165	4165				
				(22)10dX1½	1690	1695		2425	2785	3030	3220	3810	1610	1850	2010	2140	2575				
		2 or more	(8)10d	(22)10d	1690	1695		2510	2890	3140	3340	4020	1610	1850	2010	2140	2575				
				(8)16d	1720	1720		2850	3275	3560	3790	4560	1610	1850	2010	2140	2575				
				(8)10d	1690	1695		2860	3290	3575	3800	4575	2860	3290	3575	3800	4575				
HGUS28-2	6 ³ / ₁₆	1	(12)10d	(36)10dX1½	2635	2730	Refer to the down and uplift load values and nailing requirements for a HGUS26-2 on a 2X6 bottom chord	4135	4640	4640	4640	4640	1635	1880	2045	2175	2615				
				(36)10d	2635	2730		4365	5015	5455	5780	5780	1635	1880	2045	2175	2615				
				(36)16d	2770	2770		4815	5540	6020	6405	6780	1635	1880	2045	2175	2615				
		2 or more	(12)10d	(36)10d	2635	2730		4985	5730	5780	5780	5780	3270	3765	4090	4350	5235				
				(36)16d	2770	2770		5875	6310	6415	6500	6780	3270	3765	4090	4350	5235				
				(6)SDS¼X3	(20)SDS¼X3	2120		2205	5300	6095	6305	6305	6305	3050	3510	3815	4055	4880			
HGUQ28-2	6 ³ / ₄	2	(6)SDS¼X3	(20)SDS¼X4½	2120	2205	Refer to the down and uplift load values and SDS screw requirements for a HGUQ26-2 on a 2X6 bottom chord	5300	6095	6305	6305	6305	4575	5260	5720	6085	6305				
				(20)SDS¼X6	2120	2205		5300	6095	6305	6305	6305	5300	6095	6305	6305	6305				
				(8)10dX1½	1260	1480		1125	1295	1405	1495	1800									
		1	(6)10d	(8)10d	1260	1480		Refer to the down and uplift load values and nailing requirements for a LUS26-2 on a 2X6 bottom chord	Refer to the down and uplift load values and nailing requirements for a LUS28-2 on a 2X8 bottom chord	1145	1320	1430	1525	1835							
				(6)16d	(8)10d	1500				1500	1345	1550	1685	1790	2155						
				(6)10d	(8)10d	1260				1480	1270	1460	1590	1690	2035						
2	(6)16d	(8)16d	1500	1500	1565	1800	1955			2080	2500										
		(18)10dX1½	1355	1630	Refer to the down and uplift load values and nailing requirements for a HU26-2 on a 2X6 bottom chord	Refer to the down and uplift load values and nailing requirements for a HU28-2 on a 2X8 bottom chord	1475			1695	1840	1960	2355								
		(18)10d	1355	1630			1545			1775	1930	2055	2470								
(18)10d	1355	1630	1660	1910			2075	2205	2655												
2	(10)10d	(18)10d	1355	1630			1830	2105	2285	2435	2925										
		(18)16d	1355	1630			2150	2475	2690	2860	3440										

1. See General Notes, page 1.
 2. For HU210-2 install fasteners in both round and triangle holes.

3. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume ½" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
					(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
2 PLY CARRIED MEMBER (Continued from previous page)																					
HUS210-2	8 ⁹ / ₁₆	1	(8)10d	(8)10dX1 ¹ / ₂	1685	2025	Refer to the down and uplift load values and nailing requirements for a HUS26-2 on a 2X6 bottom chord					Refer to the down and uplift load values and nailing requirements for a HUS28-2 on a 2X8 bottom chord					1310	1505	1635	1740	2095
			(8)10d	(8)10d	1685	2025											1340	1540	1675	1785	2145
		(8)16d	(8)16d	1965	2365	1560											1790	1950	2075	2495	
		(8)16d	(8)16d	1965	2365	1465											1685	1835	1950	2350	
HTU210-2 (MIN)	3 ⁷ / ₈	1	(14)10d	(32)10dX1 ¹ / ₂	1325	1325	Refer to load values and nailing requirements for a LUS26 on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MIN) on a 2X8 bottom chord					2500	2500	2500	2500	2500
			(32)10d	(32)10d	1325	1325											2605	2605	2605	2605	2605
		(32)16d	(32)16d	1325	1325	2785											2785	2785	2785	2785	
		(32)10d	(32)10d	1325	1325	3085											3085	3085	3085	3085	
HTU210-2 (MAX)	9 ¹ / ₄	1	(32)10d	(32)10dX1 ¹ / ₂	2870	2870	Refer to load values and nailing requirements for a MUS26 on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MAX) on a 2X8 bottom chord					2760	3175	3450	3670	4415
			(32)10d	(32)10d	2985	2985											2870	3300	3590	3280	4595
		(32)16d	(32)16d	3195	3195	3075											3535	3840	4085	4915	
		(32)10d	(32)10d	3535	3535	3400											3910	4250	4520	5440	
HTU210-2 (MIN-GAP)	3 ⁷ / ₈	1	(14)10d	(32)10dX1 ¹ / ₂	1325	1325	Refer to load values and nailing requirements for a HTU26 (MIN-GAP) on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MIN-GAP) on a 2X8 bottom chord					2210	2210	2210	2210	2210
			(32)10d	(32)10d	1325	1325											2300	2300	2300	2300	2300
		(32)16d	(32)16d	1325	1325	2460											2460	2460	2460	2460	
		(32)10d	(32)10d	1325	1325	2725											2725	2725	2725	2725	
HTU210-2 (MAX-GAP)	3 ⁷ / ₈	1	(32)10d	(32)10dX1 ¹ / ₂	2690	2690	Refer to load values and nailing requirements for a HTU26 (MAX-GAP) on a 2X6 bottom chord					Refer to load values and nailing requirements for a HTU28 (MAX-GAP) on a 2X8 bottom chord					2760	3175	3360	3360	3360
			(32)10d	(32)10d	2800	2800											2870	3300	3500	3500	3500
		(32)16d	(32)16d	2995	2995	3075											3535	3745	3745	3745	
		(32)10d	(32)10d	3315	3315	3400											3910	4140	4140	4140	
HHUS210-2	8 ⁹ / ₁₆	1	(10)10d	(30)10dX1 ¹ / ₂	2115	2545	Refer to the down and uplift load values and nailing requirements for a HHUS26-2 on a 2X6 bottom chord					Refer to the down and uplift load values and nailing requirements for a HHUS28-2 on a 2X8 bottom chord					3235	3455	3455	3455	3455
			(30)10d	(30)10d	2115	2545											3355	3855	4190	4300	4300
		(10)16d	(30)16d	2525	3035	3790											4360	4740	4980	5075	
		(10)10d	(30)10d	2115	2545	3830											4300	4300	4300	4300	
HGUS210-2	8 ⁹ / ₁₆	1	(16)10d	(46)10dX1 ¹ / ₂	3080	3080	Refer to the down and uplift load values and nailing requirements for a HGUS26-2 on a 2X6 bottom chord					Refer to the down and uplift load values and nailing requirements for a HGUS28-2 on a 2X8 bottom chord					5240	5240	5240	5240	5240
			(46)10d	(46)10d	3080	3080											5630	6475	6520	6520	6520
		(46)16d	(46)16d	3125	3125	6220											6710	6850	6965	7345	
		(16)10d	(46)10d	3080	3080	6420											6520	6520	6520	6520	
HGUQ210-2	8 ⁹ / ₁₆	2	(6)SDS1/4X3	(20)SDS1/4X3	2830	2960	Refer to the down and uplift load values and SDS screw requirements for a HGUQ26-2 on a 2X6 bottom chord					Refer to the down and uplift load values and SDS screw requirements for a HGUQ28-2 on a 2X8 bottom chord					6380	6380	6380	6380	6380
		3	(6)SDS1/4X3	(20)SDS1/4X4 1/2																	
		4	(6)SDS1/4X3	(20)SDS1/4X6																	

1. See General Notes, page 1.

2. HTU hangers - Refer to Wood Construction Connectors catalog for information regarding min and max nailing applications. "Gap" allowable loads assume 1/2" max gap between carried truss and carrying girder truss.

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
							(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
3 PLY CARRIED MEMBER																					
HGUS26-3	4 ¹ / ₁₆	1	(8)10d	(20)10dX1½	1760	1975	2405	2770	3010	3200	3200	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
			(20)10d		1760	1975	2535	2915	3165	3370	3985	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020
		(8)16d	(20)16d	2000	2000	2810	3235	3515	3740	4500	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020	
		2 or more	(8)10d	(20)10d	1760	1975	2880	3310	3600	3830	3985	2360	2715	2950	3140	3780	2525	2905	3160	3360	3985
			(8)16d	(20)16d	2000	2000	3400	3910	4250	4525	4700	2360	2715	2950	3140	3780	2525	2905	3160	3360	4045
HGUQ26-3	4 ¹ / ₁₆	2	(4)SDS¼X4½	(12)SDS¼X3	1405	1405	3150	3625	3940	4195	4475	2165	2490	2710	2880	3465	2500	2875	3125	3325	4000
		3	(4)SDS¼X4½	(12)SDS¼X4½																	
		4	(4)SDS¼X4½	(12)SDS¼X6																	
HGUS28-3	6 ¹ / ₁₆	1	(12)10d	(36)10dX1½	2635	2730	Refer to the down and uplift load values and nailing requirements for a HGUS26-3 on a 2X6 bottom chord					4135	4640	4640	4640	4640	1635	1880	2045	2175	2615
			(20)10d		2635	2730						4365	5015	5455	5780	5780	1635	1880	2045	2175	2615
		(12)16d	(36)16d	2770	2770	4815						5540	6020	6405	6815	1635	1880	2045	2175	2615	
		2 or more	(12)10d	(36)10d	2635	2730						4985	5730	5780	5780	5780	3270	3765	4090	4350	5235
			(12)16d	(36)16d	2770	2770	5875	6760	6815	6815	6815	3270	3765	4090	4350	5235					
HGUQ28-3	6 ¹ / ₁₆	2	(6)SDS¼X4½	(20)SDS¼X3	2120	2205	Refer to the down and uplift load values and SDS screw requirements for a HGUQ26-3 on a 2X6 bottom chord					5300	6095	6625	7050	7565	3165	3640	3955	4210	5065
		3	(6)SDS¼X4½	(20)SDS¼X4½																	
		4	(6)SDS¼X4½	(20)SDS¼X6																	
HHUS210-3 ²	8 ⁵ / ₁₆	1	(10)10d	(30)10dX1½	2115 ³	2545 ³	1615	1855	2015	2145	2580	2425	2785	3030	3220	3875	3235	3720	4040	4300	4490
			(30)10d		2115 ³	2545 ³	1670	1920	2085	2220	2670	2510	2890	3140	3340	4020	3355	3855	4190	4460	5365
		(10)16d	(30)16d	2525 ³	3035 ³	1695	1950	2120	2255	2715	2850	3275	3560	3790	4560	3790	4360	4740	5045	6065	
		2 or more	(10)10d	(30)10d	2115 ³	2545 ³	1890	2175	2365	2515	3025	2860	3290	3575	3800	4575	3830	4400	4785	5090	5590
			(10)16d	(30)16d	2525 ³	3035 ³	2290	2630	2860	3045	3660	3450	3965	4310	4590	5520	4610	5300	5765	6130	6595
HGUS210-3	8 ³ / ₁₆	1	(16)10d	(46)10dX1½	3080	3080	Refer to the down and uplift load values and nailing requirements for a HGUS26-3 on a 2X6 bottom chord					Refer to the down and uplift load values and nailing requirements for a HGUS28-3 on a 2X8 bottom chord					5240	5240	5240	5240	5240
			(46)10d		3080	3080											5630	6475	6520	6520	6520
		(16)16d	(46)16d	3125	3125	6220											7155	7690	7690	7690	
		2 or more	(16)10d	(46)10d	3080	3080											6425	6520	6520	6520	6520
			(16)16d	(46)16d	3125	3125	7575	7690	7690	7690	7690	7690									
HGUQ210-3	8 ¹ / ₁₆	2	(8)SDS¼X4½	(28)SDS¼X3	2830	2960	Refer to the down and uplift load values and SDS screw requirements for a HGUQ26-3 on a 2X6 bottom chord					Refer to the down and uplift load values and SDS screw requirements for a HGUQ28-3 on a 2X8 bottom chord					7425	8380	8380	8380	8380
		3	(8)SDS¼X4½	(28)SDS¼X4½																	
		4	(8)SDS¼X4½	(28)SDS¼X6																	

1. See General Notes, page 1.

2. HHUS210-3 on a 2X6 bottom chord uses (14) face nails and (6) joists nails and on a 2X8 bottom chord uses (22) face nails and (8) joist nails.

3. For HHUS210-3 attached to 2x6 bottom chord using 10d nails uplift values shall be 1475 lbs (133) & 1775 lbs (160) and using 16d nails uplift values shall be 1760 lbs (133) & 2120 lbs (160). Attached to a 2x8 bottom chord using 10d nails uplift values shall be 1965 lbs (133) & 2365 lbs (160) and using 16d nails uplift values shall be 2350 (133) & 2825 lbs (160).

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member					
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	
							(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	
4 PLY CARRIED MEMBER																						
HGUS26-4	4 ⁹ / ₁₆	1	(8)10d	(20)10dX1 ¹ / ₂	1695	1695	2405	2770	3010	3200	3200	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020	
			(20)10d	(20)16d	1695	1695	2535	2915	3165	3370	3985	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020	
		2	(8)16d	(20)16d	2000	2000	2810	3235	3515	3740	4500	1180	1360	1475	1570	1890	1265	1455	1580	1680	2020	
			(8)10d	(20)10d	1695	1695	2880	3310	3600	3830	3985	2360	2715	2950	3140	3780	2525	2905	3160	3360	3985	
			(8)16d	(20)16d	2000	2000	3400	3910	4250	4525	4700	2360	2715	2950	3140	3780	2525	2905	3160	3360	4045	
			(8)10d	(20)10d	1695	1695	2880	3310	3600	3830	3985	2880	3310	3600	3830	3985	2880	3310	3600	3830	3985	
3	(8)16d	(20)16d	2000	2000	3400	3910	4250	4525	4700	3400	3910	4250	4525	4700	3400	3910	4250	4525	4700			
	(8)10d	(20)10d	1695	1695	2880	3310	3600	3830	3985	2880	3310	3600	3830	3985	2880	3310	3600	3830	3985			
HGUQ26-4	5 ¹ / ₁₆	2	(4)SDS ¹ / ₄ X6	(12)SDS ¹ / ₄ X3	1415	1700	3180	3660	3975	4230	4440	2235	2570	2795	2975	3580	2505	2885	3135	3335	4010	
		3	(4)SDS ¹ / ₄ X6	(12)SDS ¹ / ₄ X4 ¹ / ₂																		
		4	(4)SDS ¹ / ₄ X6	(12)SDS ¹ / ₄ X6																		
HGUS28-4	6 ⁹ / ₁₆	1	(12)10d	(36)10dX1 ¹ / ₂	2350	2350	Refer to the down and uplift load values and nailing requirements for a HGUS26-4 on a 2X6 bottom chord					4135	4640	4640	4640	4640	1635	1880	2045	2175	2615	
			(36)10d	(36)10d	2350	2350						4365	5015	5455	5780	5780	1635	1880	2045	2175	2615	
			(12)16d	(36)16d	2770	2770						4815	5540	6020	6405	6815	1635	1880	2045	2175	2615	
		2 or more	(12)10d	(36)10d	2350	2350						4985	5730	5780	5780	5780	3270	3765	4090	4350	5235	
			(12)16d	(36)16d	2770	2770						5875	6760	6815	6815	6815	3270	3765	4090	4350	5235	
HGUQ28-4	7 ¹ / ₁₆	2	(6)SDS ¹ / ₄ X6	(20)SDS ¹ / ₄ X3	2120	2550	Refer to the down and uplift load values and SDS screw requirements for a HGUQ26-4 on a 2X6 bottom chord					5300	6095	6625	7050	7375	3300	3795	4125	4390	5280	
		3	(6)SDS ¹ / ₄ X6	(20)SDS ¹ / ₄ X4 ¹ / ₂																		
		4	(6)SDS ¹ / ₄ X6	(20)SDS ¹ / ₄ X6																		
HHUS210-4 ²	8 ¹ / ₄	1	(10)10d	(30)10dX1 ¹ / ₂	2115 ³	2545 ³	1615	1855	2015	2145	2580	2425	2785	3030	3220	3875	3235	3720	4040	4300	4490	
			(30)10d	(30)10d	2115 ³	2545 ³	1670	1920	2085	2220	2670	2510	2890	3140	3340	4020	3355	3855	4190	4460	5365	
		2 or more	(10)16d	(30)16d	2525 ³	3035 ³	1695	1950	2120	2255	2715	2850	3275	3560	3790	4560	3790	4360	4740	5045	6065	
			(10)10d	(30)10d	2115 ³	2545 ³	1890	2175	2365	2515	3025	2860	3290	3575	3800	4575	3830	4400	4785	5090	5590	
			(10)16d	(30)16d	2525 ³	3035 ³	2290	2630	2860	3045	3660	3450	3965	4310	4590	5520	4610	5300	5765	6130	6595	
HGUS210-4	8 ⁹ / ₁₆	1	(16)10d	(46)10dX1 ¹ / ₂	2645	2645	Refer to the down and uplift load values and nailing requirements for a HGUS26-4 on a 2X6 bottom chord					Refer to the down and uplift load values and nailing requirements for a HGUS28-4 on a 2X8 bottom chord					5240	5240	5240	5240	5240	
			(46)10d	(46)10d	2645	2645											5630	6475	6520	6520	6520	
		(16)16d	(46)16d	3125	3125	6220											7155	7690	7690	7690		
		(16)10d	(46)10d	2645	2645	6425											6520	6520	6520	6520		
2 or more	(16)16d	(46)16d	3125	3125	7575	7690	7690	7690	7690													
	HGUS210-4	9 ¹ / ₁₆	2	(8)SDS ¹ / ₄ X6	(28)SDS ¹ / ₄ X3	2830	3400	Refer to the down and uplift load values and SDS screw requirements for a HGUQ26-4 on a 2X6 bottom chord					Refer to the down and uplift load values and SDS screw requirements for a HGUQ28-4 on a 2X8 bottom chord					7425	8535	8825	8825	8825
			3	(8)SDS ¹ / ₄ X6	(28)SDS ¹ / ₄ X4 ¹ / ₂																	
4			(8)SDS ¹ / ₄ X6	(28)SDS ¹ / ₄ X6																		
HGUS212-4	10 ⁹ / ₁₆	1	(20)10d	(56)10dx1 ¹ / ₂	-	-	Refer to the down and uplift load values and nailing requirements for a HGUS26-4 on a 2X6 bottom chord					Refer to the down and uplift load values and nailing requirements for a HGUS28-4 on a 2X8 bottom chord					Refer to the down and uplift load values and nailing requirements for a HGUS210-4 on a 2X10 bottom chord					
			(56)10d	(56)10d	-	-																
		(20)16d	(56)16d	-	-																	
		2 or more	(20)10d	(56)10d	-	-																
			(20)16d	(56)16d	-	-																

1. See General Notes, page 1.

2. HHUS210-4 on a 2X6 bottom chord uses (14) face nails and (6) joists nails and on a 2X8 bottom chord uses (22) face nails and (8) joist nails.

3. For HHUS210-4 attached to 2x6 bottom chord using 10d nails uplift values shall be 1475 lbs (133) & 1775 lbs (160) and using 16d nails uplift values shall be 1760 lbs (133) & 2120 lbs (160). Attached to a 2x8 bottom chord using 10d nails uplift values shall be 1965 lbs (133) & 2365 lbs (160) and using 16d nails uplift values shall be 2350 (133) & 2825 lbs (160).

ANSI/TPI 1-2002 ALLOWABLE LOADS (SPRUCE-PINE-FIR)

Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member					
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	
							(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	
4X CARRIED MEMBER (Continued on next page)																						
LUS46	4 ³ / ₁₆	1	(4)10d	(4)10dX1½	840	990	640	735	800	850	1025	640	735	800	850	1025	640	735	800	800	800	
			(4)10d	(4)10d	840	990	650	750	815	865	1040	650	750	815	865	1040	650	750	800	800	800	800
		2	(4)16d	(4)16d	1000	1000	775	890	970	1030	1240	775	890	970	1030	1240	775	800	800	800	800	800
			(4)10d	(4)10d	840	990	715	820	890	950	1140	715	820	890	950	1140	715	800	800	800	800	800
HUS46	4 ¹ / ₁₆	1	(4)10d	(4)10dX1½	840	1015	655	750	820	870	1045	655	750	820	870	1045	655	750	800	800	800	
			(4)10d	(4)10d	840	1015	670	770	840	890	1075	670	770	840	890	1075	670	770	800	800	800	800
		2	(4)16d	(4)16d	985	1060	780	895	975	1035	1245	780	895	975	1035	1245	780	800	800	800	800	800
			(4)10d	(4)10d	840	1015	735	845	915	975	1175	735	845	915	975	1175	735	800	800	800	800	800
HHUS46	4 ⁵ / ₁₆	1	(6)10d	(14)10dX1½	1270	1315	1615	1855	2015	2145	2580	1125	1295	1410	1500	1800	1255	1445	1570	1670	2005	
			(6)16d	(14)10d	1270	1315	1670	1920	2085	2220	2670	1125	1295	1410	1500	1800	1255	1445	1570	1670	2005	
		2 or more	(6)16d	(14)16d	1335	1335	1905	2190	2385	2535	3050	1125	1295	1410	1500	1800	1255	1445	1570	1670	2005	
			(6)10d	(14)10d	1270	1315	1890	2175	2365	2515	3025	1890	2175	2365	2515	3025	1890	2175	2365	2515	3025	
HGUS46	4 ⁷ / ₁₆	1	(8)10d	(20)10dX1½	1890	2165	2405	2770	3010	3200	3850	1150	1325	1440	1530	1845	1260	1445	1575	1675	2015	
			(8)16d	(20)10d	1890	2165	2535	2915	3165	3370	4055	1150	1325	1440	1530	1845	1260	1445	1575	1675	2015	
		2 or more	(8)10d	(20)16d	2170	2325	2810	3235	3515	3740	4500	1150	1325	1440	1530	1845	1260	1445	1575	1675	2015	
			(8)16d	(20)10d	1890	2165	2880	3310	3600	3830	3985	2305	2650	2880	3065	3685	2515	2895	3145	3350	3985	
HGUQ46	4 ¹ / ₁₆	2	(4)SDS¼X3	(12)SDS¼X3	1405	1405	2495	2870	3120	3320	3995	2080	2390	2600	2765	3325	800	800	800	800	800	
		3	(4)SDS¼X3	(12)SDS¼X4½																		
		4	(4)SDS¼X3	(12)SDS¼X6																		
LUS48	4 ³ / ₁₆	1	(4)10d	(6)10dX1½	840	990	Refer to the down and uplift load values and nailing requirements for an LUS46 on a 2X6 bottom chord					805	925	1005	1070	1290	805	925	1005	1070	1290	
			(4)16d	(6)10d	840	990						820	945	1025	1090	1315	820	945	1025	1090	1315	
		2	(4)16d	(6)16d	1000	1000						960	1105	1200	1275	1535	960	1105	1200	1275	1535	
			(4)10d	(6)10d	840	990						915	1050	1145	1215	1465	915	1050	1145	1215	1465	
HUS48	6 ¹ / ₁₆	1	(6)10d	(6)10dX1½	1265	1315	Refer to the down and uplift load values and nailing requirements for an HUS46 on a 2X6 bottom chord					980	1130	1225	1305	1570	980	1130	1225	1305	1570	
			(6)16d	(6)10d	1265	1315						1005	1155	1255	1340	1610	1005	1155	1255	1340	1610	
		2	(6)16d	(6)16d	1335	1335						1170	1345	1460	1555	1870	1170	1345	1460	1555	1870	
			(6)10d	(6)10d	1265	1315						1100	1265	1375	1465	1760	1100	1265	1375	1465	1760	
HHUS48	6 ¹ / ₂	1	(8)10d	(22)10dX1½	1690	1695	Refer to the down and uplift load values and nailing requirements for an HHUS46 on a 2X6 Bottom Chord					2425	2785	3030	3220	3810	1610	1850	2010	2140	2575	
			(8)16d	(22)10d	1690	1695						2510	2890	3140	3340	4020	1610	1850	2010	2140	2575	
		2 or more	(8)10d	(22)16d	1720	1720						2850	3275	3560	3790	4560	1610	1850	2010	2140	2575	
			(8)16d	(22)10d	1690	1695						2860	3290	3575	3800	4575	2860	3290	3575	3800	4575	
HGUS48	6 ¹ / ₁₆	1	(12)10d	(36)10dX1½	2635	2730	Refer to the down and uplift load values and nailing requirements for an HGUS46 on a 2X6 Bottom Chord					4045	4640	4640	4640	4640	1595	1835	1995	2120	2555	
			(12)16d	(36)10d	2635	2730						4045	4650	5055	5380	5780	1595	1835	1995	2120	2555	
		2 or more	(12)16d	(36)16d	2770	2770						4045	4650	5055	5380	6470	1595	1835	1995	2120	2555	
			(12)10d	(36)10d	2635	2730						4985	5730	5780	5780	5780	3190	3670	3990	4245	5105	
2 or more	(12)16d	(36)16d	2770	2770	5875	6760	6815	6815	6815	3190	3670	3990	4245	5105								

1. See General Notes, page 1.

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Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
					(133)	(160)	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
					(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)
45 DEGREE SKEWED CONNECTIONS (Continued from previous page)																					
SUR/L210 ²	7 ¹⁵ / ₁₆	1	(10)10dX1½	(10)10dX1½	1075 ⁶	1075 ⁶	Not Applicable for this size member					655	755	820	870	1050	820	940	1025	1090	1310
				(10)10d	1075 ⁶	1075 ⁶						680	785	850	905	1090	850	980	1065	1135	1360
		(10)16d	1075 ⁶	1075 ⁶	735	845						915	975	1175	915	1055	1145	1220	1465		
		(10)10d	1075 ⁶	1075 ⁶	805	930						1010	1075	1290	1010	1160	1260	1340	1615		
SUR/L26-2	4 ⁷ / ₈	1	(4)16dX2½	(8)10dX1½	635	700	655	755	820	820	820	655	755	820	820	820	655	755	800	800	800
				(8)10d	635	700	680	785	850	905	1020	680	785	850	905	1020	680	785	800	800	800
		(8)16d	635	700	735	845	915	975	1175	735	845	915	975	1175	735	800	800	800	800		
		(8)10d	635	700	805	930	1010	1020	1020	805	930	1010	1020	1020	800	800	800	800	800		
HSUR/L26-2	4 ¹³ / ₁₆	1	(4)16dX2½	(12)10dX1½	635	700	980	1130	1170	1170	1170	980	1130	1170	1170	1170	800	800	800	800	800
				(12)10d	635	700	1030	1185	1290	1370	1460	1030	1185	1290	1370	1460	800	800	800	800	800
		(12)16d	635	700	1105	1270	1385	1470	1720	1050	1205	1310	1395	1680	800	800	800	800	800		
		(12)10d	635	700	1220	1405	1460	1460	1460	1220	1405	1460	1460	1460	800	800	800	800	800		
SUR/L210-2 ³	8 ⁹ / ₁₆	1	(6)16dX2½	(14)10dX1½	950 ⁷	1120 ⁷	Not Applicable for this size member					820	940	1025	1090	1310	1145	1320	1435	1455	1455
				(14)10d	950 ⁷	1120 ⁷						850	980	1065	1135	1360	1190	1370	1490	1585	1810
		(14)16d	950 ⁷	1120 ⁷	915	1055						1145	1220	1465	1285	1475	1605	1705	2050		
		(14)10d	950 ⁷	1120 ⁷	1010	1160						1260	1340	1615	1410	1625	1765	1810	1810		
HSUR/L210-2 ⁴	8 ⁹ / ₁₆	1	(6)16dX2½	(20)10dX1½	955 ⁸	1120 ⁸	Not Applicable for this size member					1310	1505	1635	1740	2050	1635	1880	2045	2050	2050
				(20)10d	955 ⁸	1120 ⁸						1375	1580	1715	1825	2200	1715	1975	2145	2285	2550
		(20)16d	955 ⁸	1120 ⁸	1475	1695						1845	1960	2360	1845	2120	2305	2455	2950		
		(20)10d	955 ⁸	1120 ⁸	1625	1870						2035	2165	2550	2035	2340	2540	2550	2550		
SUR/L46	4 ¹¹ / ₁₆	1	(4)16d	(8)10dX1½	635	700	655	755	820	820	820	655	755	820	820	820	655	755	800	800	800
				(8)10d	635	700	680	785	850	905	1020	680	785	850	905	1020	680	785	800	800	800
		(8)16d	635	700	735	845	915	975	1175	735	845	915	975	1175	735	800	800	800	800		
		(8)10d	635	700	805	930	1010	1020	1020	805	930	1010	1020	1020	800	800	800	800			
HSUR/L46	4 ⁵ / ₈	1	(4)16d	(12)10dX1½	635	700	980	1130	1170	1170	1170	980	1130	1170	1170	1170	800	800	800	800	800
				(12)10d	635	700	1030	1185	1290	1370	1460	1020	1170	1275	1355	1460	800	800	800	800	800
		(12)16d	635	700	1105	1270	1385	1470	1720	1020	1170	1275	1355	1630	800	800	800	800	800		
		(12)10d	635	700	1220	1405	1460	1460	1460	1220	1405	1460	1460	1460	800	800	800	800	800		
SUR/L410 ⁵	8 ⁹ / ₁₆	1	(6)16d	(14)10dX1½	950 ⁹	1120 ⁹	Not Applicable for this size member					820	940	1025	1090	1310	1145	1320	1435	1455	1455
				(14)10d	950 ⁹	1120 ⁹						850	980	1065	1135	1360	1190	1370	1490	1585	1810
		(14)16d	950 ⁹	1120 ⁹	915	1055						1145	1220	1465	1285	1475	1605	1705	2050		
		(14)10d	950 ⁹	1120 ⁹	1010	1160						1260	1340	1615	1410	1625	1765	1810	1810		
SUR/L410 ⁵	8 ⁹ / ₁₆	2	(6)16d	(14)16d	950 ⁹	1120 ⁹	Not Applicable for this size member					1190	1365	1485	1580	1900	1665	1910	2080	2135	2135

1. See General Notes, page 1.

2. SUR/L210 on a 2X8 bottom chord uses (8) face nails and (8) joist nails.

3. SUR/L210-2 on a 2X8 bottom chord uses (10) face nails and (4) joist nails.

4. HSUR/L210-2 on a 2X8 bottom chord uses (16) face nails and (4) joist nails.

5. SUR/L410 on a 2X8 bottom chord uses (10) face nails and (4) joist nails.

6. SUR/L210 attached to 2x8 bottom chord uplift values shall be 1010 lbs (133) & 1215 lbs (160).

7. SUR/L210-2 attached to 2x8 bottom chord uplift values shall be 730 lbs (133) & 880 lbs (160).

8. HSUR/L210-2 attached to 2x8 bottom chord uplift values shall be 735 lbs (133) & 885 lbs (160).

9. SUR/L410 attached to 2x8 bottom chord uplift values shall be 730 lbs (133) & 880 lbs (160).

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Model No.	Minimum Heel Height	No. of Carrying Member Pys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member									
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind					
					(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)					
45 DEGREE SKEWED CONNECTIONS (Continued from previous page)																										
HSUR/L410 ²	8%	1	(6)16d	(20)10dX1½	955 ³	1120 ³	Not Applicable for this size member					1310	1505	1635	1740	2050	1635	1880	2045	2050	2050					
				(20)10d								1375	1580	1715	1825	2200	1715	1975	2145	2285	2550					
				(20)16d								1475	1695	1845	1960	2360	1845	2120	2305	2455	2950					
	2	(6)16d	(20)10d	955 ³	1120 ³	1625						1870	2035	2165	2550	2035	2340	2540	2550	2550						
			(20)16d			1910						2200	2390	2545	3010	2390	2750	2985	3010	3010						
ADJUSTABLE SLOPE/SKEW CONNECTORS																										
LSU26 (Sloped Only)	3 ¹ / ₁₆ ⁴	1	(5)10dX1½	(6)10dX1½	460	460	495	555	555	555	555	495	555	555	555	495	555	555	555	555						
				(6)10d			510	585	635	675	690	510	585	635	675	690	510	585	635	675	690					
LSU26 (Sloped & Skewed)	3 ¹ / ₁₆ ⁴	2	(5)10dX1½	(6)10d	460	460	605	690	690	690	690	605	690	690	690	605	690	690	690	690						
				(6)10d	460	460	605	690	690	690	605	690	690	690	605	690	690	690	690							
LSSU28 (Sloped Only)	7 ¹ / ₄ ⁴	1	(5)10dX1½	(10)10dX1½	460	460	Not Applicable for this size member					825	945	1030	1095	1265	825	945	1030	1095	1265					
				(10)10d								850	975	1060	1130	1360	850	975	1060	1130	1360					
LSSU28 (Sloped & Skewed)	7 ¹ / ₄ ⁴	2	(5)10dX1½	(10)10d	460	460						1005	1155	1255	1335	1575	1005	1155	1255	1335	1575					
				(9)10d	385	385						760	760	760	760	760	760	760	760	760	760					
LSSU210 (Sloped Only)	8 ⁵ / ₈ ⁴	1	(7)10dX1½	(10)10dX1½	770	860						Not Applicable for this size member					825	945	1030	1095	1315					
				(10)10d													850	975	1060	1130	1360					
LSSU210 (Sloped & Skewed)	8 ⁵ / ₈ ⁴	2	(7)10dX1½	(9)10d	675	675	1005	1155	1255	1335	1575						1005	1155	1255	1335	1575					
				(9)10d	675	675	760	760	760	760	760						760	760	760	760						
LSSU210-2 (Sloped Only)	8 ¹ / ₂ ⁴	1	(12)10dX1½	(18)10dX1½	985	985	Not Applicable for this size member										Not Applicable for this size member					1460	1680	1825	1915	1915
				(18)10d																		1520	1745	1900	1990	1990
				(18)16d								1635	1880	2045	2165	2165										
				(18)10d								1800	2070	2245	2360	2360										
LSSU210-2 (Sloped & Skewed)	8 ¹ / ₂ ⁴	2	(12)10dX1½	(18)16d	985	985						2140	2460	2675	2805	2805										
				(14)10d	990	990						990	990	990												
				(14)16d	1075	1075						1075	1075	1075												
				(14)10d	1170	1170						1170	1170	1170												
LSSU410 (Sloped Only)	8 ¹ / ₂ ⁴	1	(12)10dX1½	(18)10dX1½	985	985	Not Applicable for this size member					Not Applicable for this size member					1460	1680	1825	1915	1915					
				(18)10d													1520	1745	1900	1990	1990					
				(18)16d													1635	1880	2045	2165	2165					
				(18)10d													1800	2070	2245	2360	2360					
LSSU410 (Sloped & Skewed)	8 ¹ / ₂ ⁴	2	(12)10dX1½	(18)16d	985	985											2140	2460	2675	2805	2805					
				(14)10d	990	990											990	990	990							
				(14)16d	1075	1075											1075	1075	1075							
				(14)10d	1170	1170											1170	1170	1170							

1. See General Notes, page 1.

2. HSUR/L410 on a 2X8 bottom chord uses (16) face nails and (4) joist nails.

3. HSUR/L410 attached to 2x8 bottom chord uplift values shall be 735 lbs (133) & 885 lbs (160).

4. Plumb cut height.

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Model No.	Minimum Heel Height	No. of Carrying Member Plys	Joist Nails	Face Nails	Uplift		2X6 Carrying Member					2X8 Carrying Member					2X10 Carrying Member				
							Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind	Floor	Snow	Roof	Wind	Wind
							(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)	(100)	(115)	(125)	(133)	(160)
MULTIPLE SEAT CONNECTIONS																					
LTHJA26 ³	3 ⁹ / ₁₆	1	10dX1 ¹ / ₂ (7) Hip(s) &/or (4) Jack	(20)10dX1 ¹ / ₂	255	255	685	685	685	685	685	685	685	685	685	685	685	685	685	685	
		2 or more		(20)16d	255	255	1165	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005	1005
THJA26 ³	3 ⁹ / ₁₆	1	10dX1 ¹ / ₂ (6) Hip(s) &/or (4) Jack	(20)10dX1 ¹ / ₂	785	785	1635	1880	1915	1915	1915	1180	1360	1475	1570	1890	1265	1455	1580	1680	1915
		2 or more		(20)16d	785	785	2390	2750	2810	2810	2810	2360	2715	2810	2810	2810	2390	2750	2810	2810	2810
LTHJR/L ⁴	4 ⁵ / ₈	1	See note 4 below	(12)10dX1 ¹ / ₂	655	655	1160	1315	1315	1315	1315	1085	1245	1315	1315	1315	1250	1315	1315	1315	1315
		2		(12)10d	745	745	1380	1585	1635	1635	1635	1380	1585	1635	1635	1635	1380	1585	1635	1635	1635
LTHMA ⁵	11 ³ / ₁₆	1	See note 5 below	(18)10dX1 ¹ / ₂	110	110	1215	1215	1215	1215	1215	1145	1215	1215	1215	1215	1215	1215	1215	1215	1215
		2		(18)10d	185	185	1825	2000	2000	2000	2000	1825	2000	2000	2000	2000	1825	2000	2000	2000	2000
MTHM ⁷ (two member)	4 ⁵ / ₁₆	1	10dX1 ¹ / ₂ (8) Ea. Hip &/or (4) Jack	10dX1 ¹ / ₂ ¹¹	875	875	2055	2055	2055	2055	2055	2540	2540	2540	2540	2540	1560	1795	1950	2075	2495
		2 or more		16d ¹¹	875	875	3015	3015	3015	3015	3015	3725	3725	3725	3725	3725	3115	3585	3725	3725	3725
MTHM ⁸ (three member)	4 ⁵ / ₁₆	1	10dX1 ¹ / ₂ (8) Ea. Hip & (4) Jack	10dX1 ¹ / ₂ ¹¹	1450	1450	2245	2585	2725	2725	2725	2945	2945	2945	2945	2945	1560	1795	1950	2075	2495
		2 or more		16d ¹¹	1450	1450	4000	4000	4000	4000	4000	4320	4320	4320	4320	4320	3115	3585	3895	4320	4320
MTHM-2 ⁹ (two member)	4 ⁵ / ₁₆	1	10dX1 ¹ / ₂ (8) Ea. Hip &/or (4) Jack	10dX1 ¹ / ₂ ¹¹	905	905	2190	2190	2190	2190	2190	2635	2635	2635	2635	2635	1560	1795	1950	2075	2495
		2 or more		16d ¹¹	905	905	3210	3210	3210	3210	3210	3870	3870	3870	3870	3870	3115	3585	3585	3585	3585
MTHM-2 ¹⁰ (three member)	4 ⁵ / ₁₆	1	10dX1 ¹ / ₂ (8) Ea. Hip & (4) Jack	10dX1 ¹ / ₂ ¹¹	1500	1500	2245	2585	2810	2865	2865	3420	3620	3620	3620	3620	1560	1795	1950	2075	2495
		2 or more		16d ¹¹	1500	1500	4205	4205	4205	4205	4205	5310	5310	5310	5310	5310	3115	3585	3895	4145	4990

1. See General Notes, page 1.

2. Refer to Simpson Strong-Tie's *Wood Construction Connectors* Catalog for details showing the various options of the multiple seat connectors.

3. The LTHJA26 and THJA26 hangers are capable of supporting two member conditions (left hand hip/jack, right hand hip/jack, left hand hip/right hand hip). For hip and jack combinations, 65% to 85% of the total vertical down load may be distributed to the hip member, the remaining percentage of the total load may be distributed to the jack member. The total load, hip and jack, shall not exceed the allowable loads shown in the table.

4. The LTHJR/L hanger can support two member hip/jack conditions. The hanger uses (2)10dX1¹/₂" and (2) 10d common double shear nails into the jack member and (4)10dX1¹/₂" nails into the hip. The loads listed should be distributed such that the hip member takes 75% and the jack takes 25%.

5. The LTHMA hanger supports three member hip/jack/hip conditions. The hanger uses (3)10dX1¹/₂" nails into each hip and (2)10dX1¹/₂" into the jack. Loads should be distributed symmetrically about the part with each hip taking 45% of the load and the jack taking 10%. All round and triangle holes must be filled to achieve these loads.

6. The MTHM and MTHM-2 hangers are capable of supporting either two member conditions (left hand hip/jack, right hand hip/jack, left hand hip/right hand hip) or three member conditions (left hand hip/jack/right hand hip).

7. MTHM (two member) refers to situations where either one hip and one jack are installed or two hips such that there are only two members making the connection. The loads listed above shall be distributed such that the hip receives 75% of the load and the jack receives 25%. In cases where (2) hip members are used and no jack members, each hip takes 50% of the load.

8. MTHM (three member) refers to a situation where three truss members frame into the connection (two hips and one jack). The loads listed above shall be distributed such that each hip receives 40% of the load and the jack receives 20%.

9. MTHM-2 (two member) refers to situations where either two-ply hip trusses and one jack truss are installed or (2) two-ply hip trusses are installed such that there are only two members making the connection. The loads listed above shall be distributed such that the hip receives 75% of the load and the jack receives 25%. In cases where (2) 2-ply hip trusses are used and no jack members, each hip takes 50% of the load.

10. MTHM (three member) refers to a situation where three truss members frame into the connection (2 two-ply hip trusses and one single ply jack truss). The loads listed above shall be distributed such that each hip receives 40% of the load and the jack receives 20%.

11. For 2-ply 2x4 headers, 22 face nails are required for the MTHM. For 2-ply 2x6 headers, 34 face nails are required for the MTHM and 39 face nails are required for the MTHM-2. For 2-ply 2x8 headers, 42 face nails are required for the MTHM and 47 face nails are required for the MTHM-2.

