



TIMBER TECHNOLOGIES SHORT SPAN HEADER



Design values of Timber Technologies Short Span Header

Fb	Fc	M.O.E.	Fv
2100	525	1.8	160

All Headers are Framing Appearance

Dimensions are 3 1/2" and 5 1/2" wide by 5 1/2"-7 1/4"- 9 1/4"- 11 1/4" deep
Available in lengths of 10', 12', 14', 16', and 48'

Advantages:

- Built- Up Lumber Substitute
- Full 3 1/2" and 5 1/2" widths means no shimming
- One piece installation Saves Time, Money and Materials
- Consistent Quality and Uniformity
- High strength to weight ratio



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TIMBER TECH SHORT SPAN HEADER CHART

Design Values:

Fb 2100 psi	E 1800 ksi	Fc-perp 525 psi
Fv 160 psi	Weight 36 pcf	

3.5" Beam - Allowable Floor Load (PLF)

Depth (in)	Weight (PLF)	3		4		5		6		8		10		12	
		TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL
4.125	3.6	1320	1320	865	850	555	435	385	250						
5.50	4.8	1965	1965	1320	1320	985	985	685	595	375	250				
7.00	6.1	2825	2825	1835	1835	1360	1360	1075	1075	625	520	400	265		
7.25	6.3	3005	3005	1925	1925	1420	1420	1125	1125	670	575	425	295		
9.25	8.1	4715	4715	2800	2800	1980	1980	1545	1545	1065	1065	695	615	485	355
11.25	9.8			3915	3915	2655	2655	2030	2030	1365	1365	1025	1025	715	640
11.875	10.4			4325	4325	2915	2915	2195	2195	1455	1455	1095	1095	795	750

TL Deflt L/240 LL Deflt L/360 LDF 1.00

3.5" Beam - Allowable Roof Load (PLF)

Depth (in)	Weight (PLF)	3		4		5		6		8		10		12	
		TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL
4.125	3.6	1520	1520	995	995	635	635	440	375						
5.50	4.8	2260	2260	1520	1520	1135	1135	785	785	440	375				
7.00	6.1	3250	3250	2110	2110	1565	1565	1235	1235	715	715	460	400		
7.25	6.3	3455	3455	2210	2210	1635	1635	1295	1295	770	770	490	440		
9.25	8.1	5425	5425	3220	3220	2280	2280	1775	1775	1225	1225	800	800	555	530
11.25	9.8			4505	4505	3055	3055	2340	2340	1570	1570	1180	1180	825	825
11.875	10.4			4975	4975	3350	3350	2525	2525	1675	1675	1260	1260	915	915

TL Deflt L/180 LL Deflt L/240 LDF 1.15

5.5" Beam - Allowable Floor Load (PLF)

Depth (in)	Weight (PLF)	3		4		5		6		8		10		12	
		TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL
4.125	5.7	2075	2075	1360	1360	870	870	595	395						
5.50	7.6	3090	3090	2075	2075	1550	1550	1075	940	595	395				
7.00	9.6	4440	4440	2885	2885	2140	2140	1690	1690	980	815	625	415		
7.25	10.0	4720	4720	3025	3025	2230	2230	1765	1765	1050	900	665	460		
9.25	12.7	7410	7410	4400	4400	3110	3110	2430	2430	1675	1675	1095	965	760	555
11.25	15.5			6150	6150	4175	4175	3190	3190	2145	2145	1610	1610	1125	1005
11.875	16.3			6795	6795	4580	4580	3450	3450	2285	2285	1720	1720	1250	1180

TL Deflt L/240 LL Deflt L/360 LDF 1.00

5.5" Beam - Allowable Roof Load (PLF)

Depth (in)	Weight (PLF)	3		4		5		6		8		10		12	
		TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL	TL	LL
4.125	5.7	2390	2390	1565	1565	1000	1000	690	590						
5.50	7.6	3550	3550	2390	2390	1785	1785	1235	1235	690	590				
7.00	9.6	5110	5110	3315	3315	2460	2460	1940	1940	1125	1125	725	630		
7.25	10.0	5429	5429	3473	3473	2569	2569	2035	2035	1210	1210	770	691.43		
9.25	12.7	8525	8525	5060	5060	3580	3580	2790	2790	1925	1925	1255	1255	870	830
11.25	15.5			7080	7080	4800	4800	3680	3680	2470	2470	1855	1855	1295	1295
11.875	16.3			7820	7820	5265	5265	3970	3970	2630	2630	1980	1980	1440	1440

TL Deflt L/180 LL Deflt L/240 LDF 1.15

