



**ALLOWABLE FLOOR LOADS [PLF] LDF = 1.0 24F V3 V5/M1 1.8E**

This Table can be used to size simple span beams and headers supporting uniform loading. The PLF loads must be calculated and include all floor and roof framing loads on beams & headers

**Key:** For each clear span there are three numbers  
**Row 1:** Maximum Total Load with LDF=1.0 & deflection limit=l/240  
**Row 2:** Maximum Live Load limited by deflection =l/360  
**Row 3:** Required Bearing Length in trimmer thickness  
 (e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc)

Allowable Loads in Pounds per Linear Foot										
SPAN	6 3/4" WIDTH									
	Depth (in.)									
	24	24 3/4	26 1/8	27 1/2	28 7/8	30 1/4	31 5/8	33	34 3/8	35 3/4
26	1403	1490	1658	1835	2021	2216	2420	2631	2852	3081
	1180	1294	1522	1775	2021	2216	2420	2631	2852	3081
	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5	9
27	1295	1376	1531	1695	1866	2047	2235	2431	2635	2847
	1053	1155	1359	1585	1835	2047	2235	2431	2635	2847
	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5	9
28	1199	1273	1418	1569	1728	1896	2071	2252	2441	2638
	945	1036	1218	1421	1645	1891	2071	2252	2441	2638
	4.5	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5
29	1113	1182	1316	1457	1605	1761	1923	2092	2268	2450
	850	932	1097	1279	1481	1702	1923	2092	2268	2450
	4.5	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5
30	1035	1100	1224	1356	1493	1639	1790	1947	2111	2281
	768	842	991	1155	1337	1538	1757	1947	2111	2281
	4.5	4.5	4.5	4.5	6	6	6	6	7.5	7.5
31	965	1026	1143	1266	1394	1529	1670	1817	1970	2129
	696	763	898	1047	1212	1394	1593	1809	1970	2129
	3	4.5	4.5	4.5	4.5	6	6	6	7.5	7.5
32	902	958	1067	1181	1302	1429	1561	1699	1842	1991
	633	694	816	952	1102	1267	1448	1645	1842	1991
	3	4.5	4.5	4.5	4.5	6	6	6	6	7.5
33	823	898	1000	1107	1220	1339	1462	1591	1726	1865
	577	633	744	868	1005	1155	1320	1500	1695	1865
	3	3	4.5	4.5	4.5	4.5	6	6	6	7.5
34	749	824	938	1039	1145	1256	1372	1493	1620	1751
	528	579	680	794	919	1056	1207	1372	1550	1744
	3	3	4.5	4.5	4.5	4.5	6	6	6	6
35	683	752	881	976	1076	1180	1290	1404	1523	1646
	484	530	624	728	842	968	1107	1257	1421	1599
	3	3	4.5	4.5	4.5	4.5	6	6	6	6
36	624	687	813	918	1013	1111	1214	1322	1434	1550
	444	487	573	669	774	890	1017	1155	1306	1469
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
37	571	629	746	866	954	1048	1145	1246	1352	1462
	409	449	528	616	713	820	937	1064	1203	1353
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
38	524	578	685	804	901	989	1081	1177	1277	1381
	378	414	487	569	658	757	865	982	1110	1249
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
39	482	531	630	740	852	935	1022	1113	1207	1306
	350	383	451	526	609	700	800	909	1027	1155
				3	4.5	4.5	4.5	4.5	6	6
40	443	489	580	682	795	885	967	1054	1143	1237
	324	355	418	487	564	649	741	842	952	1071
		3	3	3	4.5	4.5	4.5	4.5	6	6
42	377	416	495	583	680	787	870	948	1029	1113
	280	307	361	421	487	560	640	728	822	925
		3	3	3	3	4.5	4.5	4.5	4.5	6
44	322	356	424	500	584	677	779	856	930	1006
	243	267	314	366	424	487	557	633	715	805
	1.5	3	3	3	3	3	4.5	4.5	4.5	4.5
46	277	306	366	432	505	586	675	772	843	913
	213	234	275	320	371	427	487	554	626	704
	1.5	1.5	3	3	3	3	4.5	4.5	4.5	4.5
48	239	264	316	374	438	509	587	672	765	831
	188	206	242	282	327	375	429	487	551	620
		1.5	3	3	3	3	3	4.5	4.5	4.5
50	206	229	274	325	382	444	513	588	670	759
	166	182	214	250	289	332	380	431	487	548
	1.5	1.5	1.5	3	3	3	3	3	4.5	4.5
52	178	199	239	284	334	389	450	516	589	667
	147	162	190	222	257	295	337	383	433	487
	1.5	1.5	1.5	1.5	3	3	3	3	4.5	4.5