



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	5 1/8" 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	1080	1148	1278	1414	1557	1707	1863	2026	2196	2372
	896	982	1155	1348	1557	1707	1863	2026	2196	2372
	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5	9
27	998	1060	1180	1306	1438	1577	1721	1872	2029	2192
	800	877	1032	1203	1393	1577	1721	1872	2029	2192
	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5	9
28	924	982	1093	1209	1332	1460	1594	1734	1880	2031
	717	787	925	1079	1249	1436	1594	1734	1880	2031
	4.5	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5
29	857	911	1014	1123	1237	1356	1481	1611	1746	1887
	646	708	833	971	1124	1293	1477	1611	1746	1887
	4.5	4.5	4.5	4.5	6	6	6	7.5	7.5	7.5
30	797	848	944	1045	1151	1262	1379	1500	1626	1757
	583	640	752	877	1016	1168	1334	1500	1626	1757
	4.5	4.5	4.5	4.5	6	6	6	6	7.5	7.5
31	744	791	880	975	1074	1178	1286	1399	1517	1639
	528	580	682	795	920	1058	1209	1374	1517	1639
	4.5	4.5	4.5	4.5	4.5	6	6	6	7.5	7.5
32	688	739	823	911	1004	1101	1202	1308	1419	1533
	480	527	620	723	837	962	1099	1249	1412	1533
	3	4.5	4.5	4.5	4.5	6	6	6	6	7.5
33	625	687	770	853	940	1031	1126	1226	1329	1436
	438	480	565	659	763	877	1002	1139	1287	1436
	3	3	4.5	4.5	4.5	4.5	6	6	6	7.5
34	568	625	722	800	882	967	1057	1150	1247	1348
	401	439	517	603	698	802	917	1041	1177	1324
	3	3	4.5	4.5	4.5	4.5	6	6	6	7.5
35	518	571	675	752	829	909	993	1081	1173	1268
	367	403	474	552	640	735	840	955	1079	1214
	3	3	4.5	4.5	4.5	4.5	6	6	6	6
36	474	522	618	708	780	856	935	1018	1104	1194
	337	370	435	508	588	676	772	877	992	1115
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
37	434	478	566	664	735	807	882	960	1041	1126
	311	341	401	468	541	622	711	808	913	1027
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
38	398	439	520	610	694	762	833	907	984	1064
	287	315	370	432	500	575	656	746	843	948
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
39	366	403	478	562	654	720	787	857	930	1006
	265	291	342	399	462	531	607	690	780	877
	3	3	3	4.5	4.5	4.5	4.5	6	6	6
40	337	371	441	518	604	682	745	812	881	953
	246	270	317	370	428	493	563	640	723	813
	3	3	3	3	4.5	4.5	4.5	4.5	6	6
42	286	316	376	442	516	597	670	730	792	857
	213	233	274	320	370	426	486	552	624	702
	3	3	3	3	3	4.5	4.5	4.5	6	6
44	245	271	322	380	444	514	592	660	716	775
	185	203	236	278	322	370	423	480	543	611
	1.5	3	3	3	3	3	4.5	4.5	4.5	4.5
46	210	233	278	328	383	445	512	586	650	703
	162	177	209	243	282	324	370	420	475	535
	1.5	1.5	3	3	3	3	4.5	4.5	4.5	4.5
48	181	201	240	284	333	387	446	510	581	640
	142	156	184	214	248	285	326	370	418	471
	1.5	1.5	3	3	3	3	3	4.5	4.5	4.5
50	156	174	208	247	290	337	389	447	509	576
	126	138	162	189	219	252	288	327	370	416
	1.5	1.5	1.5	3	3	3	3	3	4.5	4.5
52	135	151	181	215	253	295	342	392	447	507
	112	123	144	168	195	224	256	291	329	370
	1.5	1.5	1.5	1.5	3	3	3	3	4.5	4.5