

ALLOWABLE UNIFORM LOADS FLOOR 100%

ALLOWABLE UNIFORM LOADS* – POUNDS PER LINEAL FOOT – 1 3/4" 1.8E RIGIDLAM LVL

Span (ft)	Depth	1-Ply 1 3/4" RIGIDLAM LVL					2-Ply 1 3/4" RIGIDLAM LVL ⁽¹⁾						
		9 1/4"	9 1/2"	11 1/4"	11 7/8"	14"	9 1/4"	9 1/2"	11 1/4"	11 7/8"	14"	16"	18"
6	LL	-	-	-	-	-	-	-	-	-	-	-	-
	TL	1028	1064	1325	1425	1796	2057	2127	2650	2850	3592	4389	5304
	BRG	2.5/6.3	2.6/6.5	3.3/8.1	3.5/8.8	4.4/11	2.5/6.3	2.6/6.5	3.3/8.1	3.5/8.8	4.4/11	5.4/13.5	6.5/16.3
7	LL	-	-	-	-	-	-	-	-	-	-	-	-
	TL	849	877	1083	1161	1445	1699	1755	2167	2322	2890	3484	4148
	BRG	2.4/6.1	2.5/6.3	3.1/7.8	3.3/8.3	4.1/10.4	2.4/6.1	2.5/6.3	3.1/7.8	3.3/8.3	4.1/10.4	5/12.5	5.9/14.9
8	LL	601	651	-	-	-	1202	1302	-	-	-	-	-
	TL	694	730	916	979	1208	1388	1460	1832	1959	2416	2888	3404
	BRG	2.3/5.7	2.4/6	3/7.5	3.2/8	4/9.9	2.3/5.7	2.4/6	3/7.5	3.2/8	4/9.9	4.7/11.8	5.6/14
9	LL	422	457	760	-	-	844	915	1519	-	-	-	-
	TL	548	576	791	847	1038	1095	1152	1583	1693	2076	2465	2886
	BRG	2/5.1	2.1/5.3	2.9/7.3	3.1/7.8	3.8/9.6	2/5.1	2.1/5.3	2.9/7.3	3.1/7.8	3.8/9.6	4.6/11.4	5.3/13.3
10	LL	308	333	554	651	-	616	667	1107	1302	-	-	-
	TL	443	466	640	709	910	886	931	1280	1417	1819	2150	2504
	BRG	1.8/4.6	1.9/4.8	2.6/6.6	2.9/7.3	3.7/9.3	1.8/4.6	1.9/4.8	2.6/6.6	2.9/7.3	3.7/9.3	4.4/11	5.1/12.9
11	LL	231	251	416	489	-	462	501	832	979	-	-	-
	TL	343	372	528	585	797	686	743	1056	1170	1594	1906	2211
	BRG	1.6/3.9	1.7/4.2	2.4/6	2.6/6.6	3.6/9	1.6/3.9	1.7/4.2	2.4/6	2.6/6.6	3.6/9	4.3/10.8	5/12.5
12	LL	178	193	320	377	618	356	386	641	754	1235	-	-
	TL	263	285	443	491	669	526	571	886	981	1338	1711	1979
	BRG	1.5/3.3	1.5/3.5	2.2/5.5	2.4/6.1	3.3/8.3	1.5/3.3	1.5/3.5	2.2/5.5	2.4/6.1	3.3/8.3	4.2/10.6	4.9/12.2
13	LL	140	152	252	296	486	280	304	504	593	971	1450	-
	TL	206	223	373	417	569	412	447	746	834	1138	1464	1791
	BRG	1.5/3	1.5/3	2/5	2.2/5.6	3.1/7.6	1.5/3	1.5/3	2/5	2.2/5.6	3.1/7.6	3.9/9.8	4.8/12
14	LL	112	122	202	237	389	224	243	404	475	778	1161	-
	TL	164	178	298	351	490	328	356	596	702	980	1260	1573
	BRG	1.5/3	1.5/3	1.7/4.3	2/5.1	2.8/7.1	1.5/3	1.5/3	1.7/4.3	2/5.1	2.8/7.1	3.6/9.1	4.5/11.3
15	LL	91	99	164	193	316	182	198	328	386	632	944	1344
	TL	133	144	241	284	426	265	288	482	568	852	1096	1368
	BRG	1.5/3	1.5/3	1.5/3.8	1.8/4.4	2.6/6.6	1.5/3	1.5/3	1.5/3.8	1.8/4.4	2.6/6.6	3.4/8.5	4.2/10.6
16	LL	75	81	135	159	261	150	163	270	318	521	778	1107
	TL	109	118	198	233	374	217	236	396	467	747	961	1201
	BRG	1.5/3	1.5/3	1.5/3.3	1.6/3.9	2.5/6.2	1.5/3	1.5/3	1.5/3.3	1.6/3.9	2.5/6.2	3.2/8	4/9.9
17	LL	63	68	113	133	217	125	136	225	265	434	648	923
	TL	90	98	164	194	320	180	195	328	387	639	850	1062
	BRG	1.5/3	1.5/3	1.5/3	1.5/3.4	2.3/5.7	1.5/3	1.5/3	1.5/3	1.5/3.4	2.3/5.7	3/7.5	3.7/9.3
18	LL	53	57	95	112	183	106	114	190	223	366	546	778
	TL	75	82	137	162	268	150	163	275	325	537	757	945
	BRG	1.5/3	1.5/3	1.5/3	1.5/3.1	2/5	1.5/3	1.5/3	1.5/3	1.5/3.1	2/5	2.8/7.1	3.5/8.8
19	LL	45	49	81	95	156	90	97	161	190	311	464	661
	TL	63	69	116	137	227	127	138	232	274	454	678	847
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.5	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.5	2.7/6.7	3.3/8.4
20	LL	38	42	69	81	133	77	83	138	163	267	398	567
	TL	54	58	99	117	194	107	117	198	234	388	583	763
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4.1	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4.1	2.4/6.1	3.2/7.9
21	LL	33	36	60	70	115	66	72	120	141	230	344	490
	TL	46	50	85	100	167	92	100	170	201	333	502	690
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.7	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.7	2.2/5.5	3/7.6
22	LL	29	31	52	61	100	58	63	104	122	200	299	426
	TL	39	43	73	87	144	79	86	146	173	288	435	623
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.4	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.4	2/5	2.9/7.2
23	LL	25	27	46	54	88	51	55	91	107	175	262	373
	TL	34	37	63	75	125	68	74	127	150	251	379	543
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.1	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.1	1.8/4.6	2.6/6.6
24	LL	22	24	40	47	77	45	48	80	94	154	230	328
	TL	29	32	55	65	110	59	64	110	131	219	332	476
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	2.4/6
25	LL	20	21	35	42	68	39	43	71	83	137	204	290
	TL	26	28	48	57	96	51	56	96	115	193	292	420
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/3.9	2.2/5.6
26	LL	18	19	32	37	61	35	38	63	74	121	181	258
	TL	22	24	42	50	85	44	49	85	101	170	258	371
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.6	2.1/5.1
27	LL	16	17	28	33	54	31	34	56	66	108	162	230
	TL	19	21	37	44	75	39	43	75	89	150	229	330
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.3	1.9/4.8
28	LL	14	15	25	30	49	28	30	50	59	97	145	207
	TL	17	19	33	39	67	34	37	66	79	134	204	294
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.1	1.8/4.4
29	LL	13	14	23	27	44	25	27	45	53	88	131	186
	TL	15	16	29	35	60	30	33	58	70	119	182	263
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.1
30	LL	11	12	21	24	40	23	25	41	48	79	118	168
	TL	13	14	26	31	53	26	29	52	62	106	163	236
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.9

* Can be applied to the beam in addition to its own weight. Simple or multiple beam spans.

Key to Table:

LL = Maximum live load – limits deflection to L/360

TL = Maximum total load – limits deflections to L/240

BRG = Required end/interior bearing length (inches), based on bearing stress of 700 psi.

(1) See page 47 for details on attaching multiple-ply members.

ALLOWABLE UNIFORM LOADS FLOOR 100%

RIGIDLAM[®]
FLOOR UNIFORM LOADS

ALLOWABLE UNIFORM LOADS* – POUNDS PER LINEAL FOOT – 1 3/4" 1.8E RIGIDLAM LVL

Span (ft)	Depth	3-Ply 1 3/4" RIGIDLAM LVL ⁽¹⁾							4-Ply 1 3/4" RIGIDLAM LVL ⁽¹⁾						
		9 1/4"	9 1/2"	11 1/4"	11 1/8"	14"	16"	18"	9 1/4"	9 1/2"	11 1/4"	11 1/8"	14"	16"	18"
6	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	3085	3191	3975	4276	5387	6583	7956	4113	4254	5300	5701	7183	8778	10609
	BRG	2.5 / 6.3	2.6 / 6.5	3.3 / 8.1	3.5 / 8.8	4.4 / 11	5.4 / 13.5	6.5 / 16.3	2.5 / 6.3	2.6 / 6.5	3.3 / 8.1	3.5 / 8.8	4.4 / 11	5.4 / 13.5	6.5 / 16.3
7	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	2548	2632	3250	3483	4334	5226	6222	3397	3509	4333	4644	5779	6968	8295
	BRG	2.4 / 6.1	2.5 / 6.3	3.1 / 7.8	3.3 / 8.3	4.1 / 10.4	5 / 12.5	5.9 / 14.9	2.4 / 6.1	2.5 / 6.3	3.1 / 7.8	3.3 / 8.3	4.1 / 10.4	5 / 12.5	5.9 / 14.9
8	LL	1803	1954	-	-	-	-	-	2405	2605	-	-	-	-	-
	TL	2083	2190	2748	2938	3625	4332	5106	2777	2920	3663	3917	4833	5776	6809
	BRG	2.3 / 5.7	2.4 / 6	3 / 7.5	3.2 / 8	4 / 9.9	4.7 / 11.8	5.6 / 14	2.3 / 5.7	2.4 / 6	3 / 7.5	3.2 / 8	4 / 9.9	4.7 / 11.8	5.6 / 14
9	LL	1267	1372	2279	-	-	-	-	1689	1829	3038	-	-	-	-
	TL	1643	1727	2374	2540	3114	3698	4329	2191	2303	3166	3386	4152	4930	5772
	BRG	2 / 5.1	2.1 / 5.3	2.9 / 7.3	3.1 / 7.8	3.8 / 9.6	4.6 / 11.4	5.3 / 13.3	2 / 5.1	2.1 / 5.3	2.9 / 7.3	3.1 / 7.8	3.8 / 9.6	4.6 / 11.4	5.3 / 13.3
10	LL	923	1000	1661	1954	-	-	-	1231	1334	2215	2605	-	-	-
	TL	1328	1397	1920	2126	2729	3225	3756	1771	1863	2560	2835	3638	4300	5009
	BRG	1.8 / 4.6	1.9 / 4.8	2.6 / 6.6	2.9 / 7.3	3.7 / 9.3	4.4 / 11	5.1 / 12.9	1.8 / 4.6	1.9 / 4.8	2.6 / 6.6	2.9 / 7.3	3.7 / 9.3	4.4 / 11	5.1 / 12.9
11	LL	694	752	1248	1468	-	-	-	925	1002	1664	1957	-	-	-
	TL	1028	1115	1584	1754	2391	2859	3317	1371	1486	2113	2339	3189	3812	4422
	BRG	1.6 / 3.9	1.7 / 4.2	2.4 / 6	2.6 / 6.6	3.6 / 9	4.3 / 10.8	5 / 12.5	1.6 / 3.9	1.7 / 4.2	2.4 / 6	2.6 / 6.6	3.6 / 9	4.3 / 10.8	5 / 12.5
12	LL	534	579	961	1131	1853	-	-	712	772	1282	1507	2470	-	-
	TL	789	856	1329	1472	2007	2567	2969	1053	1141	1772	1962	2675	3423	3959
	BRG	1.5 / 3.3	1.5 / 3.5	2.2 / 5.5	2.4 / 6.1	3.3 / 8.3	4.2 / 10.6	4.9 / 12.2	1.5 / 3.3	1.5 / 3.5	2.2 / 5.5	2.4 / 6.1	3.3 / 8.3	4.2 / 10.6	4.9 / 12.2
13	LL	420	455	756	889	1457	2175	-	560	607	1008	1186	1943	2900	-
	TL	618	670	1119	1252	1707	2195	2687	824	894	1492	1669	2276	2927	3582
	BRG	1.5 / 3	1.5 / 3	2 / 5	2.2 / 5.6	3.1 / 7.6	3.9 / 9.8	4.8 / 12	1.5 / 3	1.5 / 3	2 / 5	2.2 / 5.6	3.1 / 7.6	3.9 / 9.8	4.8 / 12
14	LL	337	365	605	712	1167	1741	-	449	486	807	949	1556	2322	-
	TL	493	534	893	1052	1469	1890	2360	657	712	1191	1403	1959	2520	3146
	BRG	1.5 / 3	1.5 / 3	1.7 / 4.3	2 / 5.1	2.8 / 7.1	3.6 / 9.1	4.5 / 11.3	1.5 / 3	1.5 / 3	1.7 / 4.3	2 / 5.1	2.8 / 7.1	3.6 / 9.1	4.5 / 11.3
15	LL	274	296	492	579	949	1416	2016	365	395	656	772	1265	1888	2688
	TL	398	432	724	853	1278	1644	2052	531	576	965	1137	1703	2192	2737
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.8	1.8 / 4.4	2.6 / 6.6	3.4 / 8.5	4.2 / 10.6	1.5 / 3	1.5 / 3	1.5 / 3.8	1.8 / 4.4	2.6 / 6.6	3.4 / 8.5	4.2 / 10.6
16	LL	225	244	406	477	782	1167	1661	301	326	541	636	1042	1556	2215
	TL	326	354	594	700	1121	1442	1801	435	472	791	933	1494	1923	2401
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.3	1.6 / 3.9	2.5 / 6.2	3.2 / 8	4 / 9.9	1.5 / 3	1.5 / 3	1.5 / 3.3	1.6 / 3.9	2.5 / 6.2	3.2 / 8	4 / 9.9
17	LL	188	204	338	398	652	973	1385	251	271	451	530	869	1297	1847
	TL	270	293	492	581	959	1275	1593	360	391	657	775	1279	1700	2124
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2.3 / 5.7	3 / 7.5	3.7 / 9.3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2.3 / 5.7	3 / 7.5	3.7 / 9.3
18	LL	158	172	285	335	549	819	1167	211	229	380	447	732	1093	1556
	TL	225	245	412	487	805	1135	1418	300	326	550	649	1073	1513	1891
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	2 / 5	2.8 / 7.1	3.5 / 8.8	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	2 / 5	2.8 / 7.1	3.5 / 8.8
19	LL	135	146	242	285	467	697	992	179	194	323	380	622	929	1323
	TL	190	206	349	412	682	1017	1270	253	275	465	549	909	1355	1694
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.7 / 6.7	3.3 / 8.4	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.7 / 6.7	3.3 / 8.4
20	LL	115	125	208	244	400	597	851	154	167	277	326	534	796	1134
	TL	161	175	297	351	582	875	1144	215	233	396	468	776	1167	1526
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4.1	2.4 / 6.1	3.2 / 7.9	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4.1	2.4 / 6.1	3.2 / 7.9
21	LL	100	108	179	211	346	516	735	133	144	239	281	461	688	980
	TL	137	150	254	301	500	753	1036	183	199	339	401	667	1004	1381
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7	2.2 / 5.5	3 / 7.6	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7	2.2 / 5.5	3 / 7.6
22	LL	87	94	156	183	301	449	639	116	125	208	245	401	598	852
	TL	118	128	219	260	433	652	935	157	171	292	346	577	870	1246
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.9 / 7.2	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.9 / 7.2
23	LL	76	82	137	161	263	393	559	101	110	182	214	351	524	746
	TL	102	111	190	225	376	568	815	136	148	253	300	502	758	1087
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.8 / 4.6	2.6 / 6.6	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.8 / 4.6	2.6 / 6.6
24	LL	67	72	120	141	232	346	492	89	96	160	188	309	461	656
	TL	88	96	165	196	329	498	715	117	128	221	262	439	663	953
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.4 / 6	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.4 / 6
25	LL	59	64	106	125	205	306	435	79	85	142	167	273	408	581
	TL	77	84	145	172	289	438	630	102	111	193	229	385	584	839
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.2 / 5.6	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.2 / 5.6
26	LL	53	57	95	111	182	272	387	70	76	126	148	243	363	516
	TL	67	73	127	151	255	387	557	89	97	169	202	340	516	743
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	2.1 / 5.1	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	2.1 / 5.1
27	LL	47	51	84	99	163	243	346	63	68	113	132	217	324	461
	TL	58	64	112	133	226	343	495	78	85	149	178	301	458	660
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.8	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.8
28	LL	42	46	76	89	146	218	310	56	61	101	119	194	290	413
	TL	51	56	99	118	200	306	441	68	75	132	157	267	407	588
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.8 / 4.4	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.8 / 4.4
29	LL	38	41	68	80	131	196	279	50	55	91	107	175	261	372
	TL	45	49	87	105	179	273	395	60	65	117	139	238	364	526
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.1	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.1
30	LL	34	37	62	72	119	177	252	46	49	82	96	158	236	336
	TL	39	43	78	93	159	244	354	52	57	103	124	213	326	473
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.9	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.9

* Can be applied to the beam in addition to its own weight. Simple or multiple beam spans.

Key to Table:

LL = Maximum live load – limits deflection to L/360

TL = Maximum total load – limits deflections to L/240

BRG = Required end/interior bearing length (inches), based on bearing stress of 700 psi.

(1) See page 47 for details on attaching multiple-ply members.

ALLOWABLE UNIFORM LOADS FLOOR 100%

ALLOWABLE UNIFORM LOADS* – POUNDS PER LINEAL FOOT – 2.0E RIGIDLAM LVL

Span (ft)	Depth	1 3/4" RIGIDLAM LVL					3 1/2" RIGIDLAM LVL						
		9 1/2"	9 1/2"	11 1/4"	11 1/8"	14"	9 1/2"	9 1/2"	11 1/4"	11 1/8"	14"	16"	18"
6	LL	-	-	-	-	-	-	-	-	-	-	-	-
	TL	1028	1064	1325	1425	1796	2057	2127	2650	2850	3592	4389	5304
	BRG	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2	4.1/10.3	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2	4.1/10.3	5/12.6	6.1/15.2
7	LL	-	-	-	-	-	-	-	-	-	-	-	
	TL	849	877	1083	1161	1445	1699	1755	2167	2322	2890	3484	4148
	BRG	2.3/5.7	2.4/5.9	2.9/7.3	3.1/7.8	3.9/9.7	2.3/5.7	2.4/5.9	2.9/7.3	3.1/7.8	3.9/9.7	4.7/11.7	5.6/13.9
8	LL	668	724	-	-	-	1336	1447	-	-	-	-	
	TL	723	746	916	979	1208	1446	1493	1832	1959	2416	2888	3404
	BRG	2.2/5.5	2.3/5.7	2.8/7	3/7.5	3.7/9.3	2.2/5.5	2.3/5.7	2.8/7	3/7.5	3.7/9.3	4.4/11.1	5.2/13
9	LL	469	508	-	-	-	938	1016	-	-	-	-	
	TL	611	643	793	847	1038	1223	1285	1586	1693	2076	2465	2886
	BRG	2.1/5.3	2.2/5.5	2.7/6.8	2.9/7.3	3.6/8.9	2.1/5.3	2.2/5.5	2.7/6.8	2.9/7.3	3.6/8.9	4.3/10.6	5/12.4
10	LL	342	370	615	724	-	684	741	1230	1447	-	-	
	TL	494	520	699	745	910	989	1040	1398	1491	1819	2150	2504
	BRG	1.9/4.7	2/5	2.7/6.7	2.9/7.1	3.5/8.7	1.9/4.7	2/5	2.7/6.7	2.9/7.1	3.5/8.7	4.1/10.3	4.8/12
11	LL	257	278	462	544	-	514	557	924	1087	-	-	
	TL	381	413	590	653	809	763	827	1179	1306	1619	1906	2211
	BRG	1.6/4	1.7/4.4	2.5/6.2	2.8/6.9	3.4/8.5	1.6/4	1.7/4.4	2.5/6.2	2.8/6.9	3.4/8.5	4/10.1	4.7/11.7
12	LL	198	214	356	419	686	396	429	712	837	1372	-	
	TL	293	317	495	548	729	586	635	989	1095	1458	1711	1979
	BRG	1.5/3.4	1.5/3.7	2.3/5.7	2.5/6.3	3.4/8.4	1.5/3.4	1.5/3.7	2.3/5.7	2.5/6.3	3.4/8.4	3.9/9.9	4.6/11.4
13	LL	156	169	280	329	540	311	337	560	659	1079	-	
	TL	229	249	415	466	635	459	498	830	932	1271	1553	1791
	BRG	1.5/3	1.5/3.1	2.1/5.2	2.3/5.8	3.2/7.9	1.5/3	1.5/3.1	2.1/5.2	2.3/5.8	3.2/7.9	3.9/9.7	4.5/11.2
14	LL	125	135	224	264	432	249	270	448	527	864	1290	
	TL	183	198	331	390	547	366	397	663	781	1094	1407	1635
	BRG	1.5/3	1.5/3	1.8/4.5	2.1/5.3	3/7.4	1.5/3	1.5/3	1.8/4.5	2.1/5.3	3/7.4	3.8/9.5	4.4/11
15	LL	101	110	182	214	351	203	220	365	429	703	1049	1493
	TL	148	160	269	316	476	296	321	537	633	951	1224	1504
	BRG	1.5/3	1.5/3	1.6/3.9	1.8/4.6	2.8/6.9	1.5/3	1.5/3	1.6/3.9	1.8/4.6	2.8/6.9	3.5/8.8	4.3/10.9
16	LL	83	90	150	177	289	167	181	300	353	579	864	1230
	TL	121	132	220	260	417	242	263	441	520	835	1074	1341
	BRG	1.5/3	1.5/3	1.5/3.4	1.6/4	2.6/6.5	1.5/3	1.5/3	1.5/3.4	1.6/4	2.6/6.5	3.3/8.3	4.1/10.3
17	LL	70	75	125	147	241	139	151	250	295	483	720	1026
	TL	100	109	183	216	356	201	218	366	431	712	950	1186
	BRG	1.5/3	1.5/3	1.5/3	1.5/3.6	2.3/5.9	1.5/3	1.5/3	1.5/3	1.5/3.6	2.3/5.9	3.1/7.8	3.9/9.7
18	LL	59	64	105	124	203	117	127	211	248	407	607	864
	TL	84	91	153	181	299	168	182	307	362	598	846	1056
	BRG	1.5/3	1.5/3	1.5/3	1.5/3.2	2.1/5.2	1.5/3	1.5/3	1.5/3	1.5/3.2	2.1/5.2	2.9/7.4	3.7/9.2
19	LL	50	54	90	105	173	100	108	179	211	346	516	735
	TL	71	77	130	153	253	141	154	259	306	506	758	946
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.9/4.7	1.5/3	1.5/3	1.5/3	1.5/3	1.9/4.7	2.8/7	3.5/8.7
20	LL	43	46	77	90	148	85	93	154	181	296	442	630
	TL	60	65	110	130	216	120	131	221	261	432	650	853
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	2.5/6.3	3.3/8.3
21	LL	37	40	66	78	128	74	80	133	156	256	382	544
	TL	51	56	95	112	186	103	112	189	224	372	559	772
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.8	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.8	2.3/5.7	3.2/7.9
22	LL	32	35	58	68	111	64	70	116	136	223	332	473
	TL	44	48	82	97	161	88	96	163	193	322	485	694
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	2.1/5.2	3/7.4
23	LL	28	30	51	59	97	56	61	101	119	195	291	414
	TL	38	42	71	84	140	76	83	142	168	280	422	606
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.9/4.8	2.7/6.8
24	LL	25	27	45	52	86	49	54	89	105	172	256	365
	TL	33	36	62	73	123	66	72	124	147	245	370	531
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.4	2.5/6.3
25	LL	22	24	39	46	76	44	47	79	93	152	227	323
	TL	29	31	54	64	108	58	63	108	129	215	326	468
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4	2.3/5.8
26	LL	19	21	35	41	67	39	42	70	82	135	201	287
	TL	25	27	48	57	95	50	55	95	113	190	288	414
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.7	2.1/5.3
27	LL	17	19	31	37	60	35	38	63	74	120	180	256
	TL	22	24	42	50	84	44	48	84	100	168	256	368
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	2/4.9
28	LL	16	17	28	33	54	31	34	56	66	108	161	230
	TL	19	21	37	44	75	39	42	74	88	150	228	329
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.8/4.6
29	LL	14	15	25	30	49	28	30	50	59	97	145	207
	TL	17	19	33	39	67	34	37	66	79	134	204	294
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.3
30	LL	13	14	23	27	44	25	27	46	54	88	131	187
	TL	15	16	29	35	60	30	33	59	70	119	183	264
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4

* Can be applied to the beam in addition to its own weight. Simple or multiple beam spans.

Key to Table:
 LL = Maximum live load – limits deflection to L/360
 TL = Maximum total load – limits deflections to L/240
 BRG = Required end/interior bearing length (inches), based on bearing stress of 750 psi.

ALLOWABLE UNIFORM LOADS FLOOR 100%

ALLOWABLE UNIFORM LOADS* – POUNDS PER LINEAL FOOT – 2.0E RIGIDLAM LVL

Span (ft)	Depth	5¼" RIGIDLAM LVL						7" RIGIDLAM LVL							
		9¼"	9½"	11¼"	11½"	14"	16"	18"	9¼"	9½"	11¼"	11½"	14"	16"	18"
6	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	3085	3191	3975	4276	5387	6583	7956	4113	4254	5300	5701	7183	8778	10609
	BRG	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2	4.1/10.3	5/12.6	6.1/15.2	2.4/5.9	2.4/6.1	3/7.6	3.3/8.2	4.1/10.3	5/12.6	6.1/15.2
7	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	2548	2632	3250	3483	4334	5226	6222	3397	3509	4333	4644	5779	6968	8295
	BRG	2.3/5.7	2.4/5.9	2.9/7.3	3.1/7.8	3.9/9.7	4.7/11.7	5.6/13.9	2.3/5.7	2.4/5.9	2.9/7.3	3.1/7.8	3.9/9.7	4.7/11.7	5.6/13.9
8	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	2004	2171	2748	2938	3625	4332	5106	2672	2894	3663	3917	4833	5776	6809
	BRG	2.2/5.5	2.3/5.7	2.8/7	3/7.5	3.7/9.3	4.4/11.1	5.2/13	2.2/5.5	2.3/5.7	2.8/7	3/7.5	3.7/9.3	4.4/11.1	5.2/13
9	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	1407	1525	1938	2071	2611	3126	3711	1876	2033	2611	2811	3521	4231	5009
	BRG	1.9/4.7	2/5	2.7/6.7	2.9/7.1	3.5/8.7	4.1/10.3	4.8/12	1.9/4.7	2/5	2.7/6.7	2.9/7.1	3.5/8.7	4.1/10.3	4.8/12
10	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	1026	1111	1446	1541	1961	2371	2846	1368	1482	1911	2091	2661	3231	3909
	BRG	1.6/4	1.7/4.4	2.5/6.2	2.8/6.9	3.4/8.5	4/10.1	4.7/11.7	1.6/4	1.7/4.4	2.5/6.2	2.8/6.9	3.4/8.5	4/10.1	4.7/11.7
11	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	594	643	846	901	1141	1381	1661	792	858	1121	1211	1541	1881	2291
	BRG	1.5/3.4	1.5/3.7	2.3/5.7	2.5/6.3	3.4/8.4	3.9/9.9	4.6/11.4	1.5/3.4	1.5/3.7	2.3/5.7	2.5/6.3	3.4/8.4	3.9/9.9	4.6/11.4
12	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	467	506	646	691	881	1031	1241	623	675	881	951	1211	1481	1791
	BRG	1.5/3	1.5/3.1	2.1/5.2	2.3/5.8	3.2/7.9	3.9/9.7	4.5/11.2	1.5/3	1.5/3.1	2.1/5.2	2.3/5.8	3.2/7.9	3.9/9.7	4.5/11.2
13	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	374	405	511	541	681	801	961	499	540	691	741	911	1081	1291
	BRG	1.5/3	1.5/3	1.8/4.5	2.1/5.3	3/7.4	3.8/9.5	4.4/11	1.5/3	1.5/3	1.8/4.5	2.1/5.3	3/7.4	3.8/9.5	4.4/11
14	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	304	329	411	431	531	621	741	405	439	541	581	711	841	1001
	BRG	1.5/3	1.5/3	1.6/3.9	1.8/4.6	2.8/6.9	3.5/8.8	4.3/10.9	1.5/3	1.5/3	1.6/3.9	1.8/4.6	2.8/6.9	3.5/8.8	4.3/10.9
15	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	250	271	341	361	441	521	621	334	362	451	481	591	701	831
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	2.5/6.3	3.3/8.3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	2.5/6.3	3.3/8.3
16	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	209	226	281	291	361	421	501	278	302	381	401	491	581	691
	BRG	1.5/3	1.5/3	1.5/3	1.5/3.6	2.3/5.9	3.1/7.8	3.9/9.7	1.5/3	1.5/3	1.5/3	1.5/3.6	2.3/5.9	3.1/7.8	3.9/9.7
17	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	176	191	241	251	311	361	431	235	254	321	331	411	481	571
	BRG	1.5/3	1.5/3	1.5/3	1.5/3.2	2.1/5.2	2.9/7.4	3.7/9.2	1.5/3	1.5/3	1.5/3	1.5/3.2	2.1/5.2	2.9/7.4	3.7/9.2
18	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	150	162	201	211	261	301	361	199	216	271	281	351	421	501
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.9/4.7	2.8/7	3.5/8.7	1.5/3	1.5/3	1.5/3	1.5/3	1.9/4.7	2.8/7	3.5/8.7
19	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	128	139	171	181	221	261	311	171	185	231	241	291	351	421
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	2.5/6.3	3.3/8.3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.2	2.5/6.3	3.3/8.3
20	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	111	120	151	161	191	221	271	148	160	201	211	261	321	391
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.8	2.3/5.7	3.2/7.9	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.8	2.3/5.7	3.2/7.9
21	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	96	104	131	141	171	191	231	128	139	171	181	221	271	331
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	2.1/5.2	3/7.4	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	2.1/5.2	3/7.4
22	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	84	91	111	121	151	171	201	112	122	151	161	191	231	281
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.8/4.6	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.8/4.6
23	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	74	80	101	111	131	151	181	99	107	131	141	171	201	241
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.4	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.4
24	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	66	71	91	101	121	141	171	88	95	111	121	151	181	221
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4
25	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	58	63	81	91	111	131	161	78	84	101	111	131	161	191
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.7	2.1/5.3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.7	2.1/5.3
26	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	52	56	71	81	101	111	131	69	75	91	101	121	141	171
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	2/4.9	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	2/4.9
27	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	47	51	64	71	88	101	121	62	68	88	95	111	131	161
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.8/4.6	2.5/6.3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.2	1.8/4.6
28	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	42	46	58	64	79	91	101	56	61	77	84	101	119	141
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.7/4.3
29	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	38	41	51	56	68	80	91	51	55	68	75	91	107	121
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4
30	LL	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	45	49	61	66	81	91	101	60	66	81	88	101	119	141
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.6/4

* Can be applied to the beam in addition to its own weight. Simple or multiple beam spans.

Key to Table:

LL = Maximum live load – limits deflection to L/360

TL = Maximum total load – limits deflections to L/240

BRG = Required end/interior bearing length (inches), based on bearing stress of 750 psi.