

LRC LVL ALLOWABLE UNIFORM FLOOR LOADS 100%

ALLOWABLE UNIFORM FLOOR LOADS 100%* – POUNDS PER LINEAL FOOT – 2.0E LRC LVL

Span (ft)	Depth	One 1¾" LRC LVL			Two 1¾" LRC LVL					Three 1¾" LRC LVL				
		9½"	11½"	14"	9½"	11½"	14"	16"	18"	9½"	11½"	14"	16"	18"
6	LL	-	-	-	-	-	-	-	-	-	-	-	-	-
	TL	1063	1425	1796	2127	2850	3591	4388	5304	3190	4275	5387	6582	7955
	BRG	2.2/5.4	2.9/7.2	3.6/9.1	2.2/5.4	2.9/7.2	3.6/9.1	4.4/11.1	5.4/13.4	2.2/5.4	2.9/7.2	3.6/9.1	4.4/11.1	5.4/13.4
8	LL	724	-	-	1447	-	-	-	-	2171	-	-	-	-
	TL	746	979	1208	1493	1958	2416	2887	3404	2239	2937	3624	4331	5105
	BRG	2/5	2.6/6.6	3.3/8.2	2/5	2.6/6.6	3.3/8.2	3.9/9.8	4.6/11.5	2/5	2.6/6.6	3.3/8.2	3.9/9.8	4.6/11.5
10	LL	370	724	-	741	1447	-	-	-	1111	2171	-	-	-
	TL	551	745	909	1103	1490	1819	2150	2504	1654	2236	2728	3224	3755
	BRG	1.9/4.7	2.5/6.3	3.1/7.7	1.9/4.7	2.5/6.3	3.1/7.7	3.6/9.1	4.2/10.6	1.9/4.7	2.5/6.3	3.1/7.7	3.6/9.1	4.2/10.6
11	LL	278	544	-	557	1087	-	-	-	835	1631	-	-	-
	TL	413	665	809	826	1331	1618	1905	2211	1240	1996	2427	2858	3316
	BRG	1.5/3.9	2.5/6.2	3/7.5	1.5/3.9	2.5/6.2	3/7.5	3.5/8.9	4.1/10.3	1.5/3.9	2.5/6.2	3/7.5	3.5/8.9	4.1/10.3
12	LL	214	419	686	429	837	1372	-	-	643	1256	2058	-	-
	TL	317	586	729	635	1172	1457	1711	1979	952	1758	2186	2566	2968
	BRG	1.5/3.2	2.4/6	3/7.4	1.5/3.2	2.4/6	3/7.4	3.5/8.7	4/10.1	1.5/3.2	2.4/6	3/7.4	3.5/8.7	4/10.1
13	LL	169	329	540	337	659	1079	-	-	506	988	1619	-	-
	TL	249	489	663	497	977	1325	1552	1790	746	1466	1988	2328	2686
	BRG	1.5/3	2.2/5.4	2.9/7.3	1.5/3	2.2/5.4	2.9/7.3	3.4/8.6	3.9/9.9	1.5/3	2.2/5.4	2.9/7.3	3.4/8.6	3.9/9.9
14	LL	135	264	432	270	527	864	1290	-	405	791	1296	1935	-
	TL	198	390	578	396	780	1156	1420	1635	595	1170	1734	2130	2452
	BRG	1.5/3	1.9/4.7	2.8/6.9	1.5/3	1.9/4.7	2.8/6.9	3.4/8.4	3.9/9.7	1.5/3	1.9/4.7	2.8/6.9	3.4/8.4	3.9/9.7
15	LL	110	214	351	220	429	703	1049	1493	329	643	1054	1573	2240
	TL	160	316	503	321	632	1006	1280	1504	481	949	1508	1921	2255
	BRG	1.5/3	1.6/4.1	2.6/6.4	1.5/3	1.6/4.1	2.6/6.4	3.3/8.2	3.8/9.6	1.5/3	1.6/4.1	2.6/6.4	3.3/8.2	3.8/9.6
16	LL	90	177	289	181	353	579	864	1230	271	530	868	1296	1846
	TL	131	260	428	263	519	856	1124	1391	394	779	1284	1685	2086
	BRG	1.5/3	1.5/3.6	2.3/5.8	1.5/3	1.5/3.6	2.3/5.8	3.1/7.7	3.8/9.5	1.5/3	1.5/3.6	2.3/5.8	3.1/7.7	3.8/9.5
17	LL	75	147	241	151	295	483	720	1026	226	442	724	1081	1539
	TL	109	216	356	218	431	711	994	1230	326	647	1067	1490	1845
	BRG	1.5/3	1.5/3.2	2.1/5.2	1.5/3	1.5/3.2	2.1/5.2	2.9/7.2	3.6/8.9	1.5/3	1.5/3.2	2.1/5.2	2.9/7.2	3.6/8.9
18	LL	64	124	203	127	248	407	607	864	191	372	610	910	1296
	TL	91	181	299	182	361	597	885	1095	273	542	896	1327	1643
	BRG	1.5/3	1.5/3	1.8/4.6	1.5/3	1.5/3	1.8/4.6	2.7/6.8	3.4/8.4	1.5/3	1.5/3	1.8/4.6	2.7/6.8	3.4/8.4
19	LL	54	105	173	108	211	346	516	735	162	316	519	774	1102
	TL	77	153	253	153	306	506	760	981	230	459	759	1139	1472
	BRG	1.5/3	1.5/3	1.7/4.1	1.5/3	1.5/3	1.7/4.1	2.5/6.2	3.2/8	1.5/3	1.5/3	1.7/4.1	2.5/6.2	3.2/8
20	LL	46	90	148	93	181	296	442	630	139	271	445	664	945
	TL	65	130	216	130	261	432	649	884	195	391	648	974	1326
	BRG	1.5/3	1.5/3	1.5/3.7	1.5/3	1.5/3	1.5/3.7	2.2/5.6	3/7.6	1.5/3	1.5/3	1.5/3.7	2.2/5.6	3/7.6
22	LL	35	68	111	70	136	223	332	473	104	204	334	499	710
	TL	48	97	161	96	193	321	484	694	144	290	482	726	1040
	BRG	1.5/3	1.5/3	1.5/3.1	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	1.8/4.6	2.6/6.6
24	LL	27	52	86	54	105	172	256	365	80	157	257	384	547
	TL	36	73	122	72	146	245	370	530	108	219	367	554	796
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.9	2.2/5.5	1.5/3	1.5/3	1.5/3	1.5/3.9	2.2/5.5
26	LL	21	41	67	42	82	135	201	287	63	124	202	302	430
	TL	27	56	95	55	113	190	288	414	82	169	284	431	621
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.3	1.9/4.7	1.5/3	1.5/3	1.5/3	1.5/3.3	1.9/4.7
28	LL	17	33	54	34	66	108	161	230	51	99	162	242	344
	TL	21	44	75	42	88	149	227	328	63	132	224	341	492
	BRG	1.5/3	1.5/3	1.5/3	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
30	LL	14	27	44	27	54	88	131	187	41	80	132	197	280
	TL	16	35	60	33	70	119	182	264	49	104	179	273	395
	BRG	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.5

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

For span data on 5¼", 7¼", 9¼" and 11¼", and 23¾" LRC LVL, call LRC Products.

Key to Table:

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

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

BRG = Required end / intermediate bearing length (inches), based on plate bearing stress of 850 psi.