

1-Ply, 1.75" 2.1E true RigidLam LVL @ 100% Floor (PLF) L/360 LL L/240 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
6	LL	166	321	693	-	-	-	-	-					
	TL	247	478	776	1046	1082	1348	1449	1826					
	BRG	1.5 / 3	1.5 / 3	1.8 / 4.5	2.4 / 6	2.5 / 6.2	3.1 / 7.7	3.3 / 8.3	4.2 / 10.5					
8	LL	72	140	310	614	660	-	-	-					
	TL	106	208	462	735	759	931	996	1229					
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	2.3 / 5.8	2.9 / 7.1	3.1 / 7.6	3.8 / 9.4					
10	LL	37	73	164	329	355	569	660	-					
	TL	54	107	242	489	527	711	758	925					
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5.1	2.7 / 6.8	2.9 / 7.3	3.5 / 8.9					
12	LL		43	96	195	211	342	398	629					
	TL		61	141	288	312	507	585	741					
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.4	1.5 / 3.6	2.3 / 5.9	2.7 / 6.8	3.4 / 8.5					
14	LL			61	125	135	220	257	410					
	TL			88	183	198	325	380	577					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.1 / 5.1	3.1 / 7.8					
16	LL			41	85	92	150	175	281					
	TL			58	122	132	219	257	414					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4					
18	LL			60	65	65	106	124	201					
	TL			85	92	92	154	181	294					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2.1 / 5.2					
20	LL			44	47	47	78	92	148					
	TL			61	66	66	111	131	215					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2					
22	LL						59	69	112					
	TL						83	98	161					
	BRG						1.5 / 3	1.5 / 3	1.5 / 3.5					
24	LL						46	54	87					
	TL						63	74	123					
	BRG						1.5 / 3	1.5 / 3	1.5 / 3					
26	LL							42	69					
	TL							57	96					
	BRG							1.5 / 3	1.5 / 3					
28	LL								55					
	TL								76					
	BRG								1.5 / 3					
30	LL								45					
	TL								60					
	BRG								1.5 / 3					
32	LL													
	TL													
	BRG													
34	LL													
	TL													
	BRG													
36	LL													
	TL													
	BRG													
38	LL													
	TL													
	BRG													
40	LL													
	TL													
	BRG													
42	LL													
	TL													
	BRG													
44	LL													
	TL													
	BRG													
46	LL													
	TL													
	BRG													
48	LL													
	TL													
	BRG													
50	LL													
	TL													
	BRG													
52	LL													
	TL													
	BRG													
54	LL													
	TL													
	BRG													

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

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

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

2-Ply, 1.75" 2.1E true RigidLam LVL @ 100% Floor (PLF) L/360 LL L/240 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
6	LL	333	641	1385	-	-	-	-	-	-	-	-	-	-
	TL	495	957	1552	2092	2163	2695	2899	3653	4464	5395	6476	7744	9256
	BRG	1.5 / 3	1.5 / 3	1.8 / 4.5	2.4 / 6	2.5 / 6.2	3.1 / 7.7	3.3 / 8.3	4.2 / 10.5	5.1 / 12.8	6.2 / 15.5	7.4 / 18.6	8.9 / 22.2	10.6 / 26.5
8	LL	144	281	621	1228	1321	-	-	-	-	-	-	-	-
	TL	211	415	924	1471	1518	1862	1992	2457	2936	3462	4040	4679	5389
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	2.3 / 5.8	2.9 / 7.1	3.1 / 7.6	3.8 / 9.4	4.5 / 11.2	5.3 / 13.3	6.2 / 15.5	7.2 / 17.9	8.2 / 20.6
10	LL	74	146	327	658	710	1138	1321	-	-	-	-	-	-
	TL	107	214	484	978	1055	1421	1515	1849	2186	2546	2932	3348	3797
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5.1	2.7 / 6.8	2.9 / 7.3	3.5 / 8.9	4.2 / 10.5	4.9 / 12.2	5.6 / 14.1	6.4 / 16.1	7.3 / 18.2
12	LL	43	85	193	391	422	684	796	1258	-	-	-	-	-
	TL	61	123	282	577	623	1014	1171	1481	1739	2012	2300	2605	2928
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.5 / 3.6	2.3 / 5.9	2.7 / 6.8	3.4 / 8.5	4 / 10	4.6 / 11.6	5.3 / 13.3	6 / 15	6.7 / 16.9
14	LL		54	123	250	270	441	514	820	1189	1639	-	-	-
	TL		76	176	366	396	649	759	1155	1443	1662	1890	2130	2381
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.1 / 5.1	3.1 / 7.8	3.9 / 9.7	4.5 / 11.2	5.1 / 12.7	5.7 / 14.3	6.4 / 16
16	LL			83	169	183	300	350	562	820	1138	1519	-	-
	TL			117	245	265	438	513	829	1122	1389	1604	1800	2006
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4	3.5 / 8.7	4.3 / 10.7	4.9 / 12.4	5.6 / 13.9	6.2 / 15.5
18	LL			58	120	130	213	249	401	588	820	1100	1429	-
	TL			80	170	185	308	361	587	865	1093	1323	1558	1731
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2.1 / 5.2	3 / 7.6	3.8 / 9.5	4.6 / 11.5	5.4 / 13.6	6 / 15
20	LL			43	88	95	156	183	296	435	609	820	1070	1359
	TL			57	122	133	223	262	429	636	882	1068	1270	1487
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.5 / 6.2	3.4 / 8.6	4.1 / 10.4	4.9 / 12.3	5.8 / 14.4
22	LL			66	72	118	138	224	330	464	627	820	1045	1224
	TL			90	98	166	195	322	479	677	879	1045	1224	
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.1 / 5.2	2.9 / 7.3	3.8 / 9.4	4.5 / 11.2	5.2 / 13.1
24	LL			51	55	91	107	174	257	361	489	641	820	1045
	TL			67	73	125	149	246	369	523	713	875	1025	
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.5 / 6.2	3.4 / 8.4	4.1 / 10.3	4.8 / 12	
26	LL			40	44	72	85	137	203	286	389	511	654	
	TL			51	56	97	115	192	289	411	562	742	870	
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.3	2.9 / 7.2	3.8 / 9.5	4.4 / 11.1	
28	LL					58	68	110	164	231	314	413	530	
	TL					75	90	151	229	328	450	597	747	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.8 / 4.6	2.5 / 6.3	3.3 / 8.3	4.1 / 10.3	
30	LL					47	55	90	134	189	257	338	435	
	TL					59	71	121	184	265	365	485	628	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.2 / 5.5	2.9 / 7.3	3.7 / 9.3	
32	LL							46	74	110	156	213	281	
	TL							56	97	149	216	299	399	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.9	2.6 / 6.4	3.3 / 8.3
34	LL							62	92	131	178	235	303	
	TL							79	122	178	247	331	430	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.3	2.3 / 5.7	2.9 / 7.4	
36	LL							53	78	110	151	199	257	
	TL							64	101	147	206	276	361	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.9	2 / 5.1	2.6 / 6.6	
38	LL							45	66	94	128	170	219	
	TL							53	83	123	172	233	304	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 6	
40	LL								57	81	110	146	189	
	TL								69	103	145	197	259	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.4	
42	LL								49	70	96	127	164	
	TL								58	87	123	168	221	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 4.9	
44	LL									61	83	110	143	
	TL									73	105	143	190	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.5	
46	LL									53	73	97	125	
	TL									62	89	123	163	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.2	1.6 / 4.1	
48	LL									47	64	85	110	
	TL									52	76	106	141	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	
50	LL										57	76	98	
	TL										65	91	122	
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.5	
52	LL										51	67	87	
	TL										56	79	106	
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.2	
54	LL											60	78	
	TL											68	93	
	BRG											1.5 / 3	1.5 / 3	

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

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3-Ply, 1.75" 2.1E true RigidLam LVL @ 100% Floor (PLF) L/360 LL L/240 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
10	LL	112	219	491	987	1065	1707	1981	-	-	-	-	-	-
	TL	161	321	726	1467	1582	2132	2273	2774	3279	3819	4398	5022	5695
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5.1	2.7 / 6.8	2.9 / 7.3	3.5 / 8.9	4.2 / 10.5	4.9 / 12.2	5.6 / 14.1	6.4 / 16.1	7.3 / 18.2
12	LL	65	128	289	586	633	1025	1194	1887	-	-	-	-	-
	TL	91	184	422	865	935	1521	1756	2222	2609	3017	3449	3907	4392
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.5 / 3.6	2.3 / 5.9	2.7 / 6.8	3.4 / 8.5	4 / 10	4.6 / 11.6	5.3 / 13.3	6 / 15	6.7 / 16.9
14	LL	41	81	184	375	405	661	771	1230	1783	2459	-	-	-
	TL	55	113	265	549	594	974	1139	1732	2165	2492	2835	3195	3572
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.1 / 5.1	3.1 / 7.8	3.9 / 9.7	4.5 / 11.2	5.1 / 12.7	5.7 / 14.3	6.4 / 16
16	LL		55	124	254	275	449	526	843	1230	1707	2279	-	-
	TL		73	175	367	397	657	770	1243	1683	2083	2405	2701	3008
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4	3.5 / 8.7	4.3 / 10.7	4.9 / 12.4	5.6 / 13.9	6.2 / 15.5
18	LL			87	180	194	319	373	602	882	1230	1650	2144	-
	TL			120	255	277	461	542	881	1298	1640	1985	2338	2597
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2.1 / 5.2	3 / 7.6	3.8 / 9.5	4.6 / 11.5	5.4 / 13.6	6 / 15
20	LL			64	132	142	234	275	444	652	913	1230	1605	2039
	TL			85	183	199	334	394	644	954	1323	1602	1905	2230
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.5 / 6.2	3.4 / 8.6	4.1 / 10.4	4.9 / 12.3	5.8 / 14.4
22	LL			48	99	107	177	208	336	496	696	940	1230	1568
	TL			61	135	147	248	293	483	719	1016	1319	1568	1837
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.1 / 5.2	2.9 / 7.3	3.8 / 9.4	4.5 / 11.2	5.2 / 13.1
24	LL			77	83	137	161	261	385	542	733	962	1230	-
	TL			101	110	188	223	370	553	785	1069	1312	1537	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.5 / 6.2	3.4 / 8.4	4.1 / 10.3	4.8 / 12	-
26	LL			60	65	108	127	206	305	430	583	766	981	-
	TL			77	84	145	172	288	433	617	844	1113	1305	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.3	2.9 / 7.2	3.8 / 9.5	4.4 / 11.1	-
28	LL			49	53	87	102	166	245	346	470	619	795	-
	TL			59	64	113	135	227	344	492	675	895	1120	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.8 / 4.6	2.5 / 6.3	3.3 / 8.3	4.1 / 10.3	-
30	LL				71	83	135	200	283	385	508	652	-	
	TL				89	106	181	276	397	547	728	942	-	
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.2 / 5.5	2.9 / 7.3	3.7 / 9.3	-
32	LL				58	69	112	166	234	319	421	542	-	
	TL				70	85	146	224	324	448	598	776	-	
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.9	2.6 / 6.4	3.3 / 8.3	-
34	LL				49	57	93	139	196	267	353	455	-	
	TL				56	68	119	183	267	370	496	645	-	
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.3	2.3 / 5.7	2.9 / 7.4	-	
36	LL				48	79	117	166	226	299	385	492	-	
	TL				54	97	151	221	308	414	541	703	-	
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.9	2 / 5.1	2.6 / 6.6	-	
38	LL					67	100	141	193	255	329	421	-	
	TL					79	125	184	258	349	457	598	-	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 6	3.1 / 7.8	-	
40	LL						58	86	121	166	219	283	-	
	TL						65	104	155	218	295	388	-	
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.4	-	
42	LL						50	74	105	144	190	245	-	
	TL						53	87	130	185	251	331	-	
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 4.9	-	
44	LL							65	92	125	166	214	-	
	TL							72	110	157	215	284	-	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.5	-	
46	LL							57	80	110	145	188	-	
	TL							60	93	134	184	245	-	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.6 / 4.1	-	
48	LL							50	71	97	128	166	-	
	TL							50	79	114	159	212	-	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	-	
50	LL								63	86	114	147	-	
	TL								66	98	137	184	-	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	-	
52	LL								56	76	101	131	-	
	TL								56	84	118	160	-	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	-	
54	LL									68	90	117	-	
	TL									72	102	139	-	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	-	
56	LL									61	81	105	-	
	TL									61	88	121	-	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	-	
58	LL									55	73	95	-	
	TL									52	76	105	-	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	-	

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

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

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

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4-Ply, 1.75" 2.1E true RigidLam LVL @ 100% Floor (PLF) L/360 LL L/240 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
10	LL	149	293	655	1316	1419	2277	2642	-	-	-	-	-	-
	TL	214	428	968	1955	2110	2843	3031	3699	4371	5092	5865	6696	7593
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5.1	2.7 / 6.8	2.9 / 7.3	3.5 / 8.9	4.2 / 10.5	4.9 / 12.2	5.6 / 14.1	6.4 / 16.1	7.3 / 18.2
12	LL	87	171	385	782	844	1367	1592	2517	-	-	-	-	-
	TL	121	245	563	1154	1247	2028	2342	2963	3479	4023	4599	5209	5856
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.5 / 3.6	2.3 / 5.9	2.7 / 6.8	3.4 / 8.5	4 / 10	4.6 / 11.6	5.3 / 13.3	6 / 15	6.7 / 16.9
14	LL	55	108	245	500	540	881	1029	1640	2378	3279	-	-	-
	TL	73	151	353	731	791	1299	1519	2309	2887	3323	3780	4260	4763
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.1 / 5.1	3.1 / 7.8	3.9 / 9.7	4.5 / 11.2	5.1 / 12.7	5.7 / 14.3	6.4 / 16
16	LL		73	165	339	366	599	701	1124	1640	2277	3038	-	-
	TL		98	233	489	530	876	1027	1657	2244	2777	3207	3601	4011
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4	3.5 / 8.7	4.3 / 10.7	4.9 / 12.4	5.6 / 13.9	6.2 / 15.5
18	LL		51	117	240	259	425	498	802	1176	1640	2200	2858	-
	TL		66	160	340	369	615	723	1175	1731	2187	2647	3117	3462
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2.1 / 5.2	3 / 7.6	3.8 / 9.5	4.6 / 11.5	5.4 / 13.6	6 / 15
20	LL			85	176	190	312	366	592	870	1218	1640	2139	2718
	TL			113	244	265	446	525	859	1272	1764	2136	2539	2974
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.5 / 6.2	3.4 / 8.6	4.1 / 10.4	4.9 / 12.3	5.8 / 14.4
22	LL			64	132	143	236	277	448	661	928	1253	1640	2091
	TL			82	180	196	331	391	644	959	1355	1758	2091	2449
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.1 / 5.2	2.9 / 7.3	3.8 / 9.4	4.5 / 11.2	5.2 / 13.1
24	LL			50	102	111	183	214	348	513	722	978	1283	1640
	TL			60	135	147	251	297	493	737	1047	1426	1750	2050
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2.5 / 6.2	3.4 / 8.4	4.1 / 10.3	4.8 / 12
26	LL				81	87	144	169	275	407	573	777	1021	1308
	TL				102	112	193	229	384	577	823	1125	1484	1739
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.3	2.9 / 7.2	3.8 / 9.5	4.4 / 11.1
28	LL				65	70	116	136	221	327	462	627	826	1060
	TL				78	86	151	180	303	458	656	900	1194	1493
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.8 / 4.6	2.5 / 6.3	3.3 / 8.3	4.1 / 10.3
30	LL				53	57	94	111	180	267	378	513	677	870
	TL				60	66	118	142	242	368	530	729	970	1256
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.2 / 5.5	2.9 / 7.3	3.7 / 9.3
32	LL					47	78	91	149	221	312	425	561	722
	TL					51	94	113	195	299	432	597	797	1034
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.9	2.6 / 6.4	3.3 / 8.3
34	LL						65	76	124	185	261	356	471	606
	TL						75	90	158	244	355	494	661	860
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.3	2.3 / 5.7	2.9 / 7.4
36	LL						55	64	105	156	221	301	398	513
	TL						59	72	129	201	295	411	553	721
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.9	2 / 5.1	2.6 / 6.6
38	LL							55	89	133	188	257	340	439
	TL							58	106	167	246	345	465	609
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 6
40	LL								77	114	162	221	293	378
	TL								87	139	206	291	394	517
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.4
42	LL								66	99	140	191	253	327
	TL								71	116	173	246	335	442
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 4.9
44	LL								58	86	122	167	221	285
	TL								58	96	146	209	287	379
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.5
46	LL									75	107	146	194	250
	TL									80	124	178	246	327
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.6 / 4.1
48	LL									66	94	129	171	221
	TL									67	105	153	211	282
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8
50	LL									59	84	114	151	196
	TL									56	89	130	182	245
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5
52	LL										74	102	135	174
	TL										75	112	157	213
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2
54	LL										66	91	121	156
	TL										63	95	136	185
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3
56	LL										60	82	108	140
	TL										53	82	117	161
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3
58	LL											73	98	126
	TL											69	101	140
	BRG											1.5 / 3	1.5 / 3	1.5 / 3

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

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

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

1-Ply, 1.75" 2.1E true RigidLam LVL @ 115% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
6	LL	250	481	-	-	-	-	-	-					
	TL	331	639	893	1203	1245	1551	1668	2101					
	BRG	1.5 / 3	1.5 / 3.7	2 / 5.1	2.8 / 6.9	2.9 / 7.1	3.6 / 8.9	3.8 / 9.6	4.8 / 12					
8	LL	108	211	466	-	-	-	-	-					
	TL	142	278	617	846	873	1072	1146	1414					
	BRG	1.5 / 3	1.5 / 3	1.9 / 4.7	2.6 / 6.5	2.7 / 6.7	3.3 / 8.2	3.5 / 8.8	4.3 / 10.8					
10	LL	56	110	246	494	532	-	-	-					
	TL	72	143	324	620	651	818	872	1064					
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.2	3.1 / 7.8	3.3 / 8.4	4.1 / 10.2					
12	LL		64	144	293	317	513	597	-					
	TL		83	189	386	417	611	674	853					
	BRG		1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	2.8 / 7.1	3.1 / 7.8	3.9 / 9.8					
14	LL		41	92	188	203	330	386	615					
	TL		51	119	245	265	435	494	665					
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.7	3.6 / 9					
16	LL			62	127	137	225	263	421					
	TL			79	165	178	294	344	507					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.1 / 7.8					
18	LL			44	90	97	160	187	301					
	TL			55	115	125	207	243	394					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9					
20	LL				66	71	117	137	222					
	TL				83	90	150	177	289					
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6					
22	LL				50	54	89	104	168					
	TL				61	67	112	132	217					
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7					
24	LL					42	68	80	130					
	TL					51	86	101	167					
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4					
26	LL						54	63	103					
	TL						66	79	130					
	BRG						1.5 / 3	1.5 / 3	1.5 / 3.4					
28	LL						43	51	83					
	TL						52	62	103					
	BRG						1.5 / 3	1.5 / 3	1.5 / 3					
30	LL								68					
	TL								83					
	BRG								1.5 / 3					
32	LL								56					
	TL								67					
	BRG								1.5 / 3					
34	LL								47					
	TL								55					
	BRG								1.5 / 3					
36	LL													
	TL													
	BRG													
38	LL													
	TL													
	BRG													
40	LL													
	TL													
	BRG													
42	LL													
	TL													
	BRG													
44	LL													
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	TL													
	BRG													
52	LL													
	TL													
	BRG													
54	LL													
	TL													
	BRG													

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

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

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

2-Ply, 1.75" 2.1E true RigidLam LVL @ 115% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
6	LL	499	962	-	-	-	-	-	-	-	-	-	-	-
	TL	661	1277	1786	2407	2489	3101	3335	4203	5136	6207	7450	8910	10648
	BRG	1.5 / 3	1.5 / 3.7	2 / 5.1	2.8 / 6.9	2.9 / 7.1	3.6 / 8.9	3.8 / 9.6	4.8 / 12	5.9 / 14.7	7.1 / 17.8	8.5 / 21.3	10.2 / 25.5	12.2 / 30.5
8	LL	216	421	931	-	-	-	-	-	-	-	-	-	-
	TL	283	556	1235	1693	1747	2143	2292	2828	3379	3984	4649	5384	6201
	BRG	1.5 / 3	1.5 / 3	1.9 / 4.7	2.6 / 6.5	2.7 / 6.7	3.3 / 8.2	3.5 / 8.8	4.3 / 10.8	5.2 / 12.9	6.1 / 15.2	7.1 / 17.8	8.2 / 20.6	9.5 / 23.7
10	LL	112	219	491	987	1065	-	-	-	-	-	-	-	-
	TL	144	287	647	1240	1301	1636	1745	2129	2516	2930	3375	3854	4370
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.2	3.1 / 7.8	3.3 / 8.4	4.1 / 10.2	4.8 / 12.1	5.6 / 14	6.5 / 16.2	7.4 / 18.5	8.4 / 20.9
12	LL	65	128	289	586	633	1025	1194	-	-	-	-	-	-
	TL	82	165	378	772	834	1223	1348	1706	2003	2316	2648	2999	3371
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	2.8 / 7.1	3.1 / 7.8	3.9 / 9.8	4.6 / 11.5	5.3 / 13.3	6.1 / 15.2	6.9 / 17.3	7.8 / 19.4
14	LL	41	81	184	375	405	661	771	1230	-	-	-	-	-
	TL	50	103	238	491	531	870	987	1330	1662	1914	2177	2453	2742
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.7	3.6 / 9	4.5 / 11.2	5.2 / 12.9	5.9 / 14.6	6.6 / 16.5	7.4 / 18.4
16	LL		55	124	254	275	449	526	843	1230	-	-	-	-
	TL		67	158	329	356	588	689	1015	1293	1600	1847	2074	2310
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.1 / 7.8	4 / 10	4.9 / 12.3	5.7 / 14.2	6.4 / 16	7.1 / 17.8
18	LL			87	180	194	319	373	602	882	1230	-	-	-
	TL			109	230	249	414	486	788	1018	1260	1525	1796	1995
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9	3.5 / 8.9	4.4 / 11	5.3 / 13.2	6.2 / 15.6	6.9 / 17.3
20	LL			64	132	142	234	275	444	652	913	1230	-	-
	TL			78	166	180	301	354	577	821	1017	1231	1464	1713
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	3.2 / 8	3.9 / 9.9	4.8 / 11.9	5.7 / 14.2	6.6 / 16.6
22	LL			48	99	107	177	208	336	496	696	940	-	-
	TL			57	123	134	225	265	434	644	837	1014	1206	1412
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.6 / 9	4.3 / 10.8	5.1 / 12.9	6 / 15
24	LL			77	83	137	161	261	385	542	733	962	-	-
	TL			93	101	171	202	333	497	701	849	1009	1182	
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.3 / 5.9	3.3 / 8.2	4 / 9.9	4.7 / 11.8	5.5 / 13.8
26	LL			60	65	108	127	206	305	430	583	766	981	
	TL			71	78	133	157	261	390	555	720	857	1004	
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7.1	3.7 / 9.2	4.4 / 10.9	5.1 / 12.7	
28	LL			49	53	87	102	166	245	346	470	619	795	
	TL			55	60	104	124	207	311	443	607	736	862	
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.4	4 / 10.1	4.7 / 11.8	
30	LL					71	83	135	200	283	385	508	652	
	TL					83	99	166	251	359	493	638	748	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.2 / 5.4	2.9 / 7.3	3.8 / 9.4	4.4 / 11	
32	LL					58	69	112	166	234	319	421	542	
	TL					66	79	135	205	294	405	539	654	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.8	2.6 / 6.5	3.4 / 8.6	4.1 / 10.3	
34	LL					49	57	93	139	196	267	353	455	
	TL					54	64	110	168	243	336	448	577	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.8	3 / 7.6	3.9 / 9.7	
36	LL						48	79	117	166	226	299	385	
	TL						52	91	140	203	281	376	489	
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.2	2.7 / 6.8	3.5 / 8.8	
38	LL							67	100	141	193	255	329	
	TL							75	117	170	237	318	414	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.7	2.5 / 6.2	3.2 / 7.9	
40	LL							58	86	121	166	219	283	
	TL							63	98	144	201	270	353	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.6	2.9 / 7.2	
42	LL							50	74	105	144	190	245	
	TL							52	82	122	171	231	303	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.5	
44	LL								65	92	125	166	214	
	TL								70	104	146	199	261	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.6	2.4 / 6	
46	LL								57	80	110	145	188	
	TL								59	89	126	171	226	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5	
48	LL								50	71	97	128	166	
	TL								50	76	108	148	196	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5.1	
50	LL									63	86	114	147	
	TL									65	94	129	171	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.7	
52	LL									56	76	101	131	
	TL									56	81	112	150	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3	
54	LL										68	90	117	
	TL										70	98	132	
	BRG										1.5 / 3	1.5 / 3.1	1.6 / 4	

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

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

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

3-Ply, 1.75" 2.1E true RigidLam LVL @ 115% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
10	LL	168	329	737	1481	1597	-	-	-	-	-	-	-	-
	TL	217	430	971	1860	1952	2455	2617	3193	3774	4396	5063	5781	6555
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.2	3.1 / 7.8	3.3 / 8.4	4.1 / 10.2	4.8 / 12.1	5.6 / 14	6.5 / 16.2	7.4 / 18.5	8.4 / 20.9
12	LL	98	192	433	879	950	1538	1791	-	-	-	-	-	-
	TL	123	248	567	1158	1251	1834	2023	2559	3004	3474	3971	4498	5057
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	2.8 / 7.1	3.1 / 7.8	3.9 / 9.8	4.6 / 11.5	5.3 / 13.3	6.1 / 15.2	6.9 / 17.3	7.8 / 19.4
14	LL	62	122	276	563	608	991	1157	1845	-	-	-	-	-
	TL	76	154	356	736	796	1304	1481	1995	2494	2870	3265	3679	4113
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.7	3.6 / 9	4.5 / 11.2	5.2 / 12.9	5.9 / 14.6	6.6 / 16.5	7.4 / 18.4
16	LL		82	186	381	412	674	788	1264	1845	-	-	-	-
	TL		101	237	494	535	882	1033	1522	1939	2399	2771	3111	3465
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.1 / 7.8	4 / 10	4.9 / 12.3	5.7 / 14.2	6.4 / 16	7.1 / 17.8
18	LL		58	131	269	291	479	560	902	1322	1845	-	-	-
	TL		68	164	345	374	621	729	1182	1527	1890	2287	2693	2992
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9	3.5 / 8.9	4.4 / 11	5.3 / 13.2	6.2 / 15.6	6.9 / 17.3
20	LL			96	197	214	352	412	666	979	1370	1845	-	-
	TL			117	249	270	451	531	866	1232	1526	1847	2195	2570
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	3.2 / 8	3.9 / 9.9	4.8 / 11.9	5.7 / 14.2	6.6 / 16.6
22	LL			72	149	161	266	311	504	743	1044	1410	-	-
	TL			85	184	200	337	397	651	967	1256	1521	1808	2118
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.6 / 9	4.3 / 10.8	5.1 / 12.9	6 / 15
24	LL			56	115	125	205	241	391	578	813	1100	1443	-
	TL			63	139	152	257	303	500	746	1051	1273	1514	1774
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.3 / 5.9	3.3 / 8.2	4 / 9.9	4.7 / 11.8	5.5 / 13.8
26	LL				91	98	162	190	309	457	645	874	1149	1472
	TL				107	116	199	236	391	585	832	1080	1285	1506
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7.1	3.7 / 9.2	4.4 / 10.9	5.1 / 12.7
28	LL				73	79	130	153	249	368	520	706	929	1192
	TL				83	90	156	186	310	466	665	910	1104	1293
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.4	4 / 10.1	4.7 / 11.8
30	LL				59	64	106	125	203	301	425	578	761	979
	TL				65	71	124	148	249	376	539	739	957	1122
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.2 / 5.4	2.9 / 7.3	3.8 / 9.4	4.4 / 11
32	LL				49	53	88	103	168	249	352	479	632	813
	TL				51	56	100	119	202	307	441	607	808	982
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.8	2.6 / 6.5	3.4 / 8.6	4.1 / 10.3
34	LL						73	86	140	208	294	401	529	682
	TL						80	96	165	253	365	504	672	865
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.8	3 / 7.6	3.9 / 9.7
36	LL						62	72	118	176	249	339	448	578
	TL						65	78	136	210	304	421	564	733
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.2	2.7 / 6.8	3.5 / 8.8
38	LL						52	62	101	150	212	289	383	493
	TL						53	64	113	175	255	355	476	621
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.7	2.5 / 6.2	3.2 / 7.9
40	LL							53	86	128	182	249	329	425
	TL							52	94	147	215	301	405	530
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.6	2.9 / 7.2
42	LL								75	111	158	215	285	368
	TL								78	124	183	256	346	454
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.5
44	LL								65	97	137	188	249	321
	TL								65	105	156	220	298	391
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.6	2.4 / 6
46	LL								57	85	120	164	218	282
	TL								55	89	133	189	257	339
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL									75	106	145	192	249
	TL									75	114	163	223	295
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5.1
50	LL									66	94	128	170	220
	TL									64	98	141	194	257
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.7
52	LL									59	84	114	152	196
	TL									54	84	122	169	225
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL										75	102	136	176
	TL										72	106	147	197
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.1	1.6 / 4
56	LL										67	92	122	158
	TL										62	92	129	173
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7
58	LL										60	83	110	142
	TL										53	80	113	153
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

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

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

4-Ply, 1.75" 2.1E true RigidLam LVL @ 115% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
10	LL	223	439	982	1974	2129	-	-	-	-	-	-	-	-
	TL	289	574	1295	2480	2603	3273	3489	4258	5032	5861	6750	7707	8740
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.2	3.1 / 7.8	3.3 / 8.4	4.1 / 10.2	4.8 / 12.1	5.6 / 14	6.5 / 16.2	7.4 / 18.5	8.4 / 20.9
12	LL	130	256	578	1173	1266	2051	2389	-	-	-	-	-	-
	TL	165	331	756	1544	1669	2446	2697	3412	4005	4632	5295	5997	6742
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	2.8 / 7.1	3.1 / 7.8	3.9 / 9.8	4.6 / 11.5	5.3 / 13.3	6.1 / 15.2	6.9 / 17.3	7.8 / 19.4
14	LL	82	162	368	750	811	1322	1543	2460	-	-	-	-	-
	TL	101	205	475	981	1062	1739	1975	2660	3325	3827	4354	4905	5485
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.7	3.6 / 9	4.5 / 11.2	5.2 / 12.9	5.9 / 14.6	6.6 / 16.5	7.4 / 18.4
16	LL	55	109	248	508	549	899	1051	1686	2460	-	-	-	-
	TL	65	134	316	658	713	1176	1377	2030	2585	3199	3694	4148	4620
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.1 / 7.8	4 / 10	4.9 / 12.3	5.7 / 14.2	6.4 / 16	7.1 / 17.8
18	LL		77	175	359	389	638	747	1203	1763	2460	-	-	-
	TL		91	218	460	499	828	972	1576	2036	2520	3050	3591	3989
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9	3.5 / 8.9	4.4 / 11	5.3 / 13.2	6.2 / 15.6	6.9 / 17.3
20	LL		56	128	263	285	469	549	887	1305	1827	2460	-	-
	TL		64	156	332	360	602	708	1155	1643	2034	2463	2927	3427
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	3.2 / 8	3.9 / 9.9	4.8 / 11.9	5.7 / 14.2	6.6 / 16.6
22	LL			96	199	215	354	415	672	991	1392	1880	-	-
	TL			114	246	267	449	529	868	1289	1675	2028	2411	2824
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.6 / 9	4.3 / 10.8	5.1 / 12.9	6 / 15
24	LL			74	153	166	274	321	521	770	1083	1467	1924	-
	TL			84	186	202	342	404	667	994	1401	1698	2019	2365
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.3 / 5.9	3.3 / 8.2	4 / 9.9	4.7 / 11.8	5.5 / 13.8
26	LL			59	121	131	216	254	412	610	859	1166	1532	1963
	TL			63	142	155	265	314	521	780	1109	1441	1714	2008
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7.1	3.7 / 9.2	4.4 / 10.9	5.1 / 12.7
28	LL			97	105	174	204	331	491	693	941	1239	1590	-
	TL			110	121	208	247	413	622	887	1214	1471	1724	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.4	4 / 10.1	4.7 / 11.8
30	LL			79	86	141	166	270	401	566	770	1015	1305	-
	TL			86	95	166	197	332	502	718	986	1276	1496	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.2 / 5.4	2.9 / 7.3	3.8 / 9.4	4.4 / 11	-
32	LL			65	71	117	137	223	331	469	638	842	1083	-
	TL			68	75	133	159	269	409	588	810	1078	1309	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.8	2.6 / 6.5	3.4 / 8.6	4.1 / 10.3	-
34	LL			54	59	97	114	187	277	392	534	706	909	-
	TL			54	59	107	128	220	337	486	672	896	1154	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.8	3 / 7.6	3.9 / 9.7	-
36	LL					82	97	158	234	331	452	597	770	-
	TL					87	105	181	279	405	562	752	978	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.2	2.7 / 6.8	3.5 / 8.8	-
38	LL					70	82	134	199	283	385	510	658	-
	TL					70	85	150	233	340	473	635	828	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.7	2.5 / 6.2	3.2 / 7.9	-
40	LL					60	71	115	171	243	331	439	566	-
	TL					57	70	125	196	287	401	540	706	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.6	2.9 / 7.2	-
42	LL							61	100	148	210	287	380	491
	TL							57	104	165	243	342	462	605
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.5
44	LL							87	129	183	250	331	428	-
	TL							87	139	207	293	397	522	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.6	2.4 / 6	-
46	LL							76	113	160	219	291	376	-
	TL							73	118	177	252	343	452	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5	-
48	LL							67	100	141	193	256	331	-
	TL							61	100	152	217	297	393	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5.1	-
50	LL							59	88	125	171	227	294	-
	TL							50	85	130	188	258	343	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.7	-
52	LL								79	111	152	202	262	-
	TL								72	112	162	225	300	-
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3	-
54	LL								70	100	136	181	234	-
	TL								61	96	141	196	263	-
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.6 / 4	-
56	LL								63	89	122	162	210	-
	TL								51	82	122	172	231	-
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7	-
58	LL									81	110	146	189	-
	TL									71	106	150	204	-
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	-

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.

1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.

This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.

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Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.

Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

1-Ply, 1.75" 2.1E true RigidLam LVL @ 125% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
6	LL	250	481	-	-	-	-	-	-	-	-	-	-	-
	TL	331	639	971	1308	1353	1686	1813	2285					
	BRG	1.5 / 3	1.5 / 3.7	2.2 / 5.6	3 / 7.5	3.1 / 7.8	3.9 / 9.7	4.2 / 10.4	5.2 / 13.1					
8	LL	108	211	466	-	-	-	-	-	-	-	-	-	-
	TL	142	278	617	920	950	1165	1246	1537					
	BRG	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 7	2.9 / 7.3	3.6 / 8.9	3.8 / 9.5	4.7 / 11.8					
10	LL	56	110	246	494	532	854	-	-	-	-	-	-	-
	TL	72	143	324	653	705	890	949	1158					
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.5 / 6.3	2.7 / 6.8	3.4 / 8.5	3.6 / 9.1	4.4 / 11.1					
12	LL		64	144	293	317	513	597	-	-	-	-	-	-
	TL		83	189	386	417	665	733	928					
	BRG		1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	3.1 / 7.7	3.4 / 8.5	4.3 / 10.7					
14	LL		41	92	188	203	330	386	615					
	TL		51	119	245	265	435	508	723					
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.9	3.9 / 9.7					
16	LL			62	127	137	225	263	421					
	TL			79	165	178	294	344	552					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.4 / 8.5					
18	LL			44	90	97	160	187	301					
	TL			55	115	125	207	243	394					
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9					
20	LL				66	71	117	137	222					
	TL				83	90	150	177	289					
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6					
22	LL				50	54	89	104	168					
	TL				61	67	112	132	217					
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7					
24	LL					42	68	80	130					
	TL					51	86	101	167					
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4					
26	LL						54	63	103					
	TL						66	79	130					
	BRG						1.5 / 3	1.5 / 3	1.5 / 3.4					
28	LL						43	51	83					
	TL						52	62	103					
	BRG						1.5 / 3	1.5 / 3	1.5 / 3					
30	LL								68					
	TL								83					
	BRG								1.5 / 3					
32	LL								56					
	TL								67					
	BRG								1.5 / 3					
34	LL								47					
	TL								55					
	BRG								1.5 / 3					
36	LL													
	TL													
	BRG													
38	LL													
	TL													
	BRG													
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Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.

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Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.

2-Ply, 1.75" 2.1E true RigidLam LVL @ 125% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
6	LL	499	962	-	-	-	-	-	-	-	-	-	-	-
	TL	661	1277	1942	2617	2706	3372	3627	4570	5584	6748	8100	9686	11576
	BRG	1.5 / 3	1.5 / 3.7	2.2 / 5.6	3 / 7.5	3.1 / 7.8	3.9 / 9.7	4.2 / 10.4	5.2 / 13.1	6.4 / 16	7.7 / 19.3	9.3 / 23.2	11.1 / 27.7	13.3 / 33.1
8	LL	216	421	931	-	-	-	-	-	-	-	-	-	-
	TL	283	556	1235	1841	1900	2331	2492	3075	3675	4332	5055	5854	6742
	BRG	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 7	2.9 / 7.3	3.6 / 8.9	3.8 / 9.5	4.7 / 11.8	5.6 / 14.1	6.6 / 16.6	7.7 / 19.3	9 / 22.4	10.3 / 25.8
10	LL	112	219	491	987	1065	1707	-	-	-	-	-	-	-
	TL	144	287	647	1307	1410	1780	1897	2315	2736	3187	3670	4191	4752
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.5 / 6.3	2.7 / 6.8	3.4 / 8.5	3.6 / 9.1	4.4 / 11.1	5.2 / 13.1	6.1 / 15.3	7 / 17.6	8 / 20.1	9.1 / 22.7
12	LL	65	128	289	586	633	1025	1194	-	-	-	-	-	-
	TL	82	165	378	772	834	1330	1467	1855	2178	2519	2880	3261	3666
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	3.1 / 7.7	3.4 / 8.5	4.3 / 10.7	5 / 12.5	5.8 / 14.5	6.6 / 16.6	7.5 / 18.8	8.4 / 21.1
14	LL	41	81	184	375	405	661	771	1230	1783	-	-	-	-
	TL	50	103	238	491	531	870	1016	1447	1808	2082	2368	2668	2983
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.9	3.9 / 9.7	4.9 / 12.2	5.6 / 14	6.4 / 15.9	7.2 / 17.9	8 / 20
16	LL		55	124	254	275	449	526	843	1230	1707	-	-	-
	TL		67	158	329	356	588	689	1104	1406	1740	2010	2256	2513
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.4 / 8.5	4.3 / 10.8	5.4 / 13.4	6.2 / 15.5	6.9 / 17.4	7.7 / 19.3
18	LL			87	180	194	319	373	602	882	1230	1650	-	-
	TL			109	230	249	414	486	788	1108	1371	1659	1954	2170
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9	3.9 / 9.6	4.8 / 11.9	5.8 / 14.4	6.8 / 16.9	7.5 / 18.8
20	LL			64	132	142	234	275	444	652	913	1230	-	-
	TL			78	166	180	301	354	577	853	1107	1340	1593	1865
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	3.3 / 8.3	4.3 / 10.7	5.2 / 13	6.2 / 15.4	7.2 / 18
22	LL			48	99	107	177	208	336	496	696	940	1230	-
	TL			57	123	134	225	265	434	644	909	1104	1312	1537
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.9 / 9.7	4.7 / 11.8	5.6 / 14	6.5 / 16.4
24	LL			77	83	137	161	261	385	542	733	962	1230	-
	TL			93	101	171	202	333	497	704	924	1099	1287	1537
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.3 / 5.9	3.3 / 8.3	4.3 / 10.8	5.1 / 12.8	6 / 15
26	LL			60	65	108	127	206	305	430	583	766	981	-
	TL			71	78	133	157	261	390	555	757	933	1093	1338
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7.1	3.8 / 9.6	4.7 / 11.8	5.5 / 13.8
28	LL			49	53	87	102	166	245	346	470	619	795	-
	TL			55	60	104	124	207	311	443	607	802	939	1129
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.4	4.4 / 11	5.1 / 12.9
30	LL					71	83	135	200	283	385	508	652	-
	TL					83	99	166	251	359	493	654	815	1012
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.2 / 5.4	2.9 / 7.3	3.9 / 9.7	4.8 / 12	5.8 / 14.8
32	LL					58	69	112	166	234	319	421	542	-
	TL					66	79	135	205	294	405	539	698	865
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.8	2.6 / 6.5	3.4 / 8.6	4.4 / 11	5.4 / 13.8
34	LL					49	57	93	139	196	267	353	455	-
	TL					54	64	110	168	243	336	448	582	727
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.8	3 / 7.6	3.9 / 9.8	4.8 / 12.2
36	LL						48	79	117	166	226	299	385	-
	TL						52	91	140	203	281	376	489	607
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.2	2.7 / 6.8	3.5 / 8.8	4.4 / 11.1
38	LL							67	100	141	193	255	329	-
	TL							75	117	170	237	318	414	511
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.7	2.5 / 6.2	3.2 / 7.9	4.0 / 10.1
40	LL							58	86	121	166	219	283	-
	TL							63	98	144	201	270	353	439
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.6	2.9 / 7.2	3.6 / 9.1
42	LL							50	74	105	144	190	245	-
	TL							52	82	122	171	231	303	375
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.5	3.3 / 8.4
44	LL								65	92	125	166	214	-
	TL								70	104	146	199	261	323
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.6	2.4 / 6	3.0 / 7.6
46	LL								57	80	110	145	188	-
	TL								59	89	126	171	226	281
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5	2.8 / 7.1
48	LL								50	71	97	128	166	-
	TL								50	76	108	148	196	245
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5.1	2.6 / 6.5
50	LL									63	86	114	147	-
	TL									65	94	129	171	214
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.7	2.4 / 6
52	LL									56	76	101	131	-
	TL									56	81	112	150	188
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3	2.2 / 5.5
54	LL										68	90	117	-
	TL										70	98	132	166
	BRG										1.5 / 3	1.5 / 3.1	1.6 / 4	2.1 / 5.3

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.
1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.
 Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.
 This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.
 BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.
 Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.
 See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.
 Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.
 Nov. 2020

3-Ply, 1.75" 2.1E true RigidLam LVL @ 125% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
10	LL	168	329	737	1481	1597	2561	-	-	-	-	-	-	-
	TL	217	430	971	1960	2114	2670	2846	3473	4104	4780	5506	6286	7128
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.5 / 6.3	2.7 / 6.8	3.4 / 8.5	3.6 / 9.1	4.4 / 11.1	5.2 / 13.1	6.1 / 15.3	7 / 17.6	8 / 20.1	9.1 / 22.7
12	LL	98	192	433	879	950	1538	1791	-	-	-	-	-	-
	TL	123	248	567	1158	1251	1995	2200	2783	3267	3779	4319	4892	5500
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	3.1 / 7.7	3.4 / 8.5	4.3 / 10.7	5 / 12.5	5.8 / 14.5	6.6 / 16.6	7.5 / 18.8	8.4 / 21.1
14	LL	62	122	276	563	608	991	1157	1845	2675	-	-	-	-
	TL	76	154	356	736	796	1304	1525	2170	2713	3122	3552	4002	4474
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.9	3.9 / 9.7	4.9 / 12.2	5.6 / 14	6.4 / 15.9	7.2 / 17.9	8 / 20
16	LL		82	186	381	412	674	788	1264	1845	2561	-	-	-
	TL		101	237	494	535	882	1033	1657	2110	2610	3014	3384	3770
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.4 / 8.5	4.3 / 10.8	5.4 / 13.4	6.2 / 15.5	6.9 / 17.4	7.7 / 19.3
18	LL		58	131	269	291	479	560	902	1322	1845	2475	-	-
	TL		68	164	345	374	621	729	1182	1662	2057	2489	2930	3255
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9	3.9 / 9.6	4.8 / 11.9	5.8 / 14.4	6.8 / 16.9	7.5 / 18.8
20	LL			96	197	214	352	412	666	979	1370	1845	-	-
	TL			117	249	270	451	531	866	1280	1661	2010	2389	2797
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	3.3 / 8.3	4.3 / 10.7	5.2 / 13	6.2 / 15.4	7.2 / 18
22	LL			72	149	161	266	311	504	743	1044	1410	1845	-
	TL			85	184	200	337	397	651	967	1364	1656	1969	2305
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.9 / 9.7	4.7 / 11.8	5.6 / 14	6.5 / 16.4
24	LL			56	115	125	205	241	391	578	813	1100	1443	1845
	TL			63	139	152	257	303	500	746	1056	1387	1649	1931
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.3 / 5.9	3.3 / 8.3	4.3 / 10.8	5.1 / 12.8	6 / 15
26	LL				91	98	162	190	309	457	645	874	1149	1472
	TL				107	116	199	236	391	585	832	1135	1400	1640
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7.1	3.8 / 9.6	4.7 / 11.8	5.5 / 13.8
28	LL				73	79	130	153	249	368	520	706	929	1192
	TL				83	90	156	186	310	466	665	910	1202	1409
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.4	4.4 / 11	5.1 / 12.9
30	LL				59	64	106	125	203	301	425	578	761	979
	TL				65	71	124	148	249	376	539	739	982	1223
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.2 / 5.4	2.9 / 7.3	3.9 / 9.7	4.8 / 12
32	LL				49	53	88	103	168	249	352	479	632	813
	TL				51	56	100	119	202	307	441	607	808	1047
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.8	2.6 / 6.5	3.4 / 8.6	4.4 / 11
34	LL						73	86	140	208	294	401	529	682
	TL						80	96	165	253	365	504	672	872
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.8	3 / 7.6	3.9 / 9.8
36	LL						62	72	118	176	249	339	448	578
	TL						65	78	136	210	304	421	564	733
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.2	2.7 / 6.8	3.5 / 8.8
38	LL						52	62	101	150	212	289	383	493
	TL						53	64	113	175	255	355	476	621
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.7	2.5 / 6.2	3.2 / 7.9
40	LL							53	86	128	182	249	329	425
	TL							52	94	147	215	301	405	530
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.6	2.9 / 7.2
42	LL								75	111	158	215	285	368
	TL								78	124	183	256	346	454
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.5
44	LL								65	97	137	188	249	321
	TL								65	105	156	220	298	391
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.6	2.4 / 6
46	LL								57	85	120	164	218	282
	TL								55	89	133	189	257	339
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL									75	106	145	192	249
	TL									75	114	163	223	295
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5.1
50	LL									66	94	128	170	220
	TL									64	98	141	194	257
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.7
52	LL									59	84	114	152	196
	TL									54	84	122	169	225
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL										75	102	136	176
	TL										72	106	147	197
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.1	1.6 / 4
56	LL										67	92	122	158
	TL										62	92	129	173
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7
58	LL										60	83	110	142
	TL										53	80	113	153
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.
1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.
 Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.
 This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.
 BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.
 Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.
 See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.
 Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.



4-Ply, 1.75" 2.1E true RigidLam LVL @ 125% Roof (PLF) L/240 LL L/180 TL Southern Pine

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Allowable Stress Design)

Span (ft)	Depth	4.375"	5.5"	7.25"	9.25"	9.5"	11.25"	11.875"	14"	16"	18"	20"	22"	24"
10	LL	223	439	982	1974	2129	3415	-	-	-	-	-	-	-
	TL	289	574	1295	2614	2819	3559	3795	4630	5472	6374	7341	8381	9504
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.5 / 6.3	2.7 / 6.8	3.4 / 8.5	3.6 / 9.1	4.4 / 11.1	5.2 / 13.1	6.1 / 15.3	7 / 17.6	8 / 20.1	9.1 / 22.7
12	LL	130	256	578	1173	1266	2051	2389	-	-	-	-	-	-
	TL	165	331	756	1544	1669	2660	2933	3711	4357	5038	5759	6523	7333
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	1.9 / 4.8	3.1 / 7.7	3.4 / 8.5	4.3 / 10.7	5 / 12.5	5.8 / 14.5	6.6 / 16.6	7.5 / 18.8	8.4 / 21.1
14	LL	82	162	368	750	811	1322	1543	2460	3567	-	-	-	-
	TL	101	205	475	981	1062	1739	2033	2894	3617	4163	4736	5336	5966
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.9	2.7 / 6.9	3.9 / 9.7	4.9 / 12.2	5.6 / 14	6.4 / 15.9	7.2 / 17.9	8 / 20
16	LL	55	109	248	508	549	899	1051	1686	2460	3415	-	-	-
	TL	65	134	316	658	713	1176	1377	2209	2813	3481	4019	4512	5026
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.6	2.1 / 5.3	3.4 / 8.5	4.3 / 10.8	5.4 / 13.4	6.2 / 15.5	6.9 / 17.4	7.7 / 19.3
18	LL		77	175	359	389	638	747	1203	1763	2460	3300	-	-
	TL		91	218	460	499	828	972	1576	2216	2742	3319	3907	4340
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.3	2.8 / 6.9	3.9 / 9.6	4.8 / 11.9	5.8 / 14.4	6.8 / 16.9	7.5 / 18.8
20	LL		56	128	263	285	469	549	887	1305	1827	2460	-	-
	TL		64	156	332	360	602	708	1155	1707	2214	2680	3186	3729
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.3 / 5.6	3.3 / 8.3	4.3 / 10.7	5.2 / 13	6.2 / 15.4	7.2 / 18
22	LL			96	199	215	354	415	672	991	1392	1880	2460	-
	TL			114	246	267	449	529	868	1289	1819	2208	2625	3073
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.9 / 9.7	4.7 / 11.8	5.6 / 14	6.5 / 16.4
24	LL			74	153	166	274	321	521	770	1083	1467	1924	2460
	TL			84	186	202	342	404	667	994	1408	1849	2198	2575
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.3 / 5.9	3.3 / 8.3	4.3 / 10.8	5.1 / 12.8	6 / 15
26	LL			59	121	131	216	254	412	610	859	1166	1532	1963
	TL			63	142	155	265	314	521	780	1109	1513	1867	2187
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7.1	3.8 / 9.6	4.7 / 11.8	5.5 / 13.8
28	LL			97	105	174	204	331	491	693	941	1239	1590	-
	TL			110	121	208	247	413	622	887	1214	1603	1879	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.4	4.4 / 11	5.1 / 12.9	-
30	LL			79	86	141	166	270	401	566	770	1015	1305	-
	TL			86	95	166	197	332	502	718	986	1309	1630	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.2 / 5.4	2.9 / 7.3	3.9 / 9.7	4.8 / 12	-
32	LL			65	71	117	137	223	331	469	638	842	1083	-
	TL			68	75	133	159	269	409	588	810	1078	1396	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.8	2.6 / 6.5	3.4 / 8.6	4.4 / 11	-
34	LL			54	59	97	114	187	277	392	534	706	909	-
	TL			54	59	107	128	220	337	486	672	896	1163	-
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.8	3 / 7.6	3.9 / 9.8	-
36	LL					82	97	158	234	331	452	597	770	-
	TL					87	105	181	279	405	562	752	978	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.2	2.7 / 6.8	3.5 / 8.8	-
38	LL					70	82	134	199	283	385	510	658	-
	TL					70	85	150	233	340	473	635	828	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.9 / 4.7	2.5 / 6.2	3.2 / 7.9	-
40	LL					60	71	115	171	243	331	439	566	-
	TL					57	70	125	196	287	401	540	706	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.6	2.9 / 7.2	-
42	LL							61	100	148	210	287	380	491
	TL							57	104	165	243	342	462	605
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.5
44	LL								87	129	183	250	331	428
	TL								87	139	207	293	397	522
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.6	2.4 / 6
46	LL								76	113	160	219	291	376
	TL								73	118	177	252	343	452
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL								67	100	141	193	256	331
	TL								61	100	152	217	297	393
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5.1
50	LL								59	88	125	171	227	294
	TL								50	85	130	188	258	343
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.7
52	LL									79	111	152	202	262
	TL									72	112	162	225	300
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL									70	100	136	181	234
	TL									61	96	141	196	263
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.6 / 4
56	LL									63	89	122	162	210
	TL									51	82	122	172	231
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7
58	LL										81	110	146	189
	TL										71	106	150	204
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5

The PLF load values in this table are based upon the LVL member having lateral bracing at 24" o.c. or less along its entire length.
1-3/4" LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.
Loads shown can be applied to the beam in addition to its own weight. See Roseburg EWP Design Guide for restrictions on side-loaded members.
This table may be used for either simple or multiple spans. Span is centerline of bearing to centerline of bearing.
BRG = End / Interior = Required bearing length (inches), based on bearing stress of 750 psi.
Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 750 psi.
See Roseburg EWP Design Guide for information regarding the connection of multiple-ply members and installation guidelines.
Allowable loads shown for multiple ply LVL members are also applicable to factory glued LVL beams with the same thickness as the combined multiple plies.
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