

**1-Ply, 1.5" 1.6E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**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	109	209	452	-	-	-	-						
	TL	161	312	504	680	703	876	942						
	BRG	1.5 / 3	1.5 / 3	1.8 / 4.4	2.4 / 5.9	2.5 / 6.1	3.1 / 7.7	3.3 / 8.2						
8	LL	47	92	203	401	431	-	-						
	TL	69	135	301	478	493	605	647						
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	2.3 / 5.8	2.8 / 7.1	3 / 7.6						
10	LL		48	107	215	232	372	431						
	TL		70	158	319	344	462	492						
	BRG		1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5	2.7 / 6.8	2.9 / 7.2						
12	LL			63	128	138	223	260						
	TL			92	188	203	328	363						
	BRG			1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.6 / 6.4						
14	LL			40	82	88	144	168						
	TL			57	119	129	212	247						
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2 / 5.1						
16	LL				55	60	98	114						
	TL				79	86	143	167						
	BRG				1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4						
18	LL				39	42	69	81						
	TL				55	60	100	117						
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2						
20	LL						51	60						
	TL						72	85						
	BRG						1.5 / 3	1.5 / 3						
22	LL						39	45						
	TL						54	63						
	BRG						1.5 / 3	1.5 / 3						
24	LL													
	TL													
	BRG													
26	LL													
	TL													
	BRG													
28	LL													
	TL													
	BRG													
30	LL													
	TL													
	BRG													
32	LL													
	TL													
	BRG													
34	LL													
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36	LL													
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42	LL													
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44	LL													
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46	LL													
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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 16" o.c. or less along its entire length.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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, 1.5" 1.6E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**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	217	419	905	-	-	-	-	-	-	-	-	-	-
	TL	323	624	1009	1359	1406	1752	1884	2374	2901	3507	4209	5034	6016
	BRG	1.5 / 3	1.5 / 3	1.8 / 4.4	2.4 / 5.9	2.5 / 6.1	3.1 / 7.7	3.3 / 8.2	4.1 / 10.4	5.1 / 12.7	6.1 / 15.3	7.3 / 18.4	8.8 / 22	10.5 / 26.2
8	LL	94	183	406	802	863	-	-	-	-	-	-	-	-
	TL	138	271	603	955	986	1210	1294	1596	1908	2249	2625	3040	3502
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	2.3 / 5.8	2.8 / 7.1	3 / 7.6	3.7 / 9.3	4.5 / 11.1	5.2 / 13.1	6.1 / 15.3	7.1 / 17.7	8.2 / 20.4
10	LL	49	96	214	430	463	743	863	-	-	-	-	-	-
	TL	70	139	315	638	688	923	984	1201	1420	1654	1905	2175	2467
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5	2.7 / 6.8	2.9 / 7.2	3.5 / 8.8	4.2 / 10.4	4.8 / 12.1	5.6 / 13.9	6.4 / 15.9	7.2 / 18
12	LL		56	126	255	276	446	520	822	-	-	-	-	-
	TL		80	183	376	406	656	727	962	1130	1307	1494	1692	1902
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.6 / 6.4	3.4 / 8.5	4 / 9.9	4.6 / 11.5	5.2 / 13.1	5.9 / 14.9	6.7 / 16.7
14	LL			80	163	176	288	336	535	776	1071	-	-	-
	TL			115	238	258	423	495	725	933	1079	1227	1383	1546
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2 / 5.1	3 / 7.5	3.8 / 9.6	4.4 / 11.1	5 / 12.6	5.7 / 14.2	6.3 / 15.9
16	LL			54	111	120	196	229	367	535	743	992	-	-
	TL			75	159	172	285	334	540	712	889	1041	1169	1302
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4	3.4 / 8.4	4.2 / 10.5	4.9 / 12.2	5.5 / 13.7	6.1 / 15.3
18	LL			38	78	85	139	163	262	384	535	718	933	-
	TL			52	110	120	200	235	382	560	699	854	1011	1124
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2 / 5.1	3 / 7.5	3.7 / 9.3	4.5 / 11.3	5.4 / 13.4	6 / 14.9
20	LL				57	62	102	120	193	284	398	535	699	888
	TL				79	86	145	170	279	414	564	689	825	972
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.5 / 6.2	3.3 / 8.4	4.1 / 10.2	4.9 / 12.2	5.7 / 14.4
22	LL				43	47	77	90	146	216	303	409	535	683
	TL				58	63	107	127	209	312	441	566	679	800
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.1 / 5.2	2.9 / 7.2	3.7 / 9.3	4.4 / 11.1	5.2 / 13
24	LL						60	70	114	168	236	319	419	535
	TL						81	96	160	239	340	464	568	670
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.4	2.5 / 6.2	3.3 / 8.3	4.1 / 10.2	4.8 / 12
26	LL						47	55	90	133	187	254	334	427
	TL						62	74	124	187	267	366	481	568
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.3	2.9 / 7.2	3.8 / 9.4	4.4 / 11
28	LL							44	72	107	151	205	270	346
	TL							58	98	148	213	292	388	487
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.3	1.8 / 4.6	2.5 / 6.2	3.3 / 8.2	4.1 / 10.3
30	LL								59	87	123	168	221	284
	TL								78	119	171	236	315	408
	BRG								1.5 / 3	1.5 / 3	1.6 / 4	2.2 / 5.5	2.9 / 7.2	3.7 / 9.3
32	LL								49	72	102	139	183	236
	TL								62	96	140	193	258	336
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.8	2.6 / 6.4	3.3 / 8.2
34	LL								41	60	85	116	154	198
	TL								50	78	115	159	214	279
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.3	2.3 / 5.7	2.9 / 7.3
36	LL									51	72	98	130	168
	TL									64	95	133	179	233
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.6
38	LL									43	62	84	111	143
	TL									53	79	111	150	197
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
40	LL										53	72	96	123
	TL										66	93	127	167
	BRG										1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.1 / 5.4
42	LL										46	62	83	107
	TL										55	79	108	142
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 4.9
44	LL											54	72	93
	TL											67	92	122
	BRG											1.5 / 3	1.5 / 3.5	1.8 / 4.5
46	LL											48	63	82
	TL											57	78	105
	BRG											1.5 / 3	1.5 / 3.2	1.6 / 4.1
48	LL												56	72
	TL												67	90
	BRG												1.5 / 3	1.5 / 3.8
50	LL												49	64
	TL												58	78
	BRG												1.5 / 3	1.5 / 3.5
52	LL													57
	TL													67
	BRG													1.5 / 3.2
54	LL													51
	TL													58
	BRG													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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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.

Nov. 2020

**3-Ply, 1.5" 1.6E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**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	73	143	321	645	695	1115	1294	-	-	-	-	-	-
	TL	104	209	473	957	1032	1385	1477	1802	2130	2481	2858	3263	3700
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5	2.7 / 6.8	2.9 / 7.2	3.5 / 8.8	4.2 / 10.4	4.8 / 12.1	5.6 / 13.9	6.4 / 15.9	7.2 / 18
12	LL	42	84	189	383	413	670	780	1233	-	-	-	-	-
	TL	59	119	275	564	609	984	1090	1443	1694	1960	2240	2538	2853
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.6 / 6.4	3.4 / 8.5	4 / 9.9	4.6 / 11.5	5.2 / 13.1	5.9 / 14.9	6.7 / 16.7
14	LL		53	120	245	265	432	504	803	1165	1606	-	-	-
	TL		73	172	357	386	635	742	1088	1399	1618	1841	2075	2320
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2 / 5.1	3 / 7.5	3.8 / 9.6	4.4 / 11.1	5 / 12.6	5.7 / 14.2	6.3 / 15.9
16	LL			81	166	179	294	343	551	803	1115	1488	-	-
	TL			113	238	258	428	501	810	1067	1333	1562	1753	1953
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4	3.4 / 8.4	4.2 / 10.5	4.9 / 12.2	5.5 / 13.7	6.1 / 15.3
18	LL			57	117	127	208	244	393	576	803	1077	1400	-
	TL			77	166	180	300	352	574	839	1049	1280	1517	1685
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2 / 5.1	3 / 7.5	3.7 / 9.3	4.5 / 11.3	5.4 / 13.4	6 / 14.9
20	LL			42	86	93	153	179	290	426	596	803	1048	1331
	TL			54	119	129	217	256	419	621	846	1033	1237	1459
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.5 / 6.2	3.3 / 8.4	4.1 / 10.2	4.9 / 12.2	5.7 / 14.4
22	LL				65	70	116	136	220	324	454	614	803	1024
	TL				87	95	161	190	314	468	661	850	1018	1201
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.1 / 5.2	2.9 / 7.2	3.7 / 9.3	4.4 / 11.1	5.2 / 13
24	LL				50	54	89	105	170	251	354	479	628	803
	TL				65	71	122	144	240	359	510	696	852	1005
	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 / 8.3	4.1 / 10.2	4.8 / 12
26	LL					43	71	83	135	199	281	381	500	641
	TL					53	93	111	186	281	401	548	722	852
	BRG					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 / 9.4	4.4 / 11
28	LL						57	67	108	160	226	307	405	519
	TL						72	86	147	222	319	438	582	731
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.8 / 4.6	2.5 / 6.2	3.3 / 8.2	4.1 / 10.3
30	LL						46	54	88	131	185	251	332	426
	TL						57	68	117	178	257	355	473	612
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.2 / 5.5	2.9 / 7.2	3.7 / 9.3
32	LL							45	73	108	153	208	275	354
	TL							54	94	144	209	290	388	504
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.8	2.6 / 6.4	3.3 / 8.2
34	LL								61	90	128	174	231	297
	TL								76	118	172	239	321	418
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.3	2.3 / 5.7	2.9 / 7.3
36	LL								51	76	108	148	195	251
	TL								61	97	142	199	268	350
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.6
38	LL									65	92	126	167	215
	TL									80	118	166	225	295
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
40	LL									56	79	108	143	185
	TL									66	99	140	190	250
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.1 / 5.4
42	LL									48	69	94	124	160
	TL									55	83	118	161	213
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 4.9
44	LL										60	82	108	140
	TL										69	100	138	183
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.5
46	LL										52	72	95	123
	TL										58	85	118	157
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.2	1.6 / 4.1
48	LL											63	84	108
	TL											72	101	135
	BRG											1.5 / 3	1.5 / 3	1.5 / 3.8
50	LL											56	74	96
	TL											61	87	117
	BRG											1.5 / 3	1.5 / 3	1.5 / 3.5
52	LL											50	66	85
	TL											52	74	101
	BRG											1.5 / 3	1.5 / 3	1.5 / 3.2
54	LL												59	76
	TL												64	88
	BRG												1.5 / 3	1.5 / 3
56	LL												53	69
	TL												55	76
	BRG												1.5 / 3	1.5 / 3
58	LL													62
	TL													66
	BRG													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.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

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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.

Nov. 2020

**4-Ply, 1.5" 1.6E true RigidLam LVL @ 100% Floor (PLF)**
**L/360 LL L/240 TL**
**Douglas-fir**
**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	97	191	428	860	927	1487	1725	-	-	-	-	-	-
	TL	139	278	631	1275	1376	1847	1969	2403	2840	3308	3810	4350	4933
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2 / 5	2.7 / 6.8	2.9 / 7.2	3.5 / 8.8	4.2 / 10.4	4.8 / 12.1	5.6 / 13.9	6.4 / 15.9	7.2 / 18
12	LL	57	112	252	510	551	893	1040	1643	-	-	-	-	-
	TL	78	159	366	752	813	1312	1453	1924	2259	2613	2987	3383	3804
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.6 / 6.4	3.4 / 8.5	4 / 9.9	4.6 / 11.5	5.2 / 13.1	5.9 / 14.9	6.7 / 16.7
14	LL		71	160	327	353	575	672	1071	1553	2141	-	-	-
	TL		98	229	476	515	846	990	1450	1866	2158	2455	2766	3093
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	2 / 5.1	3 / 7.5	3.8 / 9.6	4.4 / 11.1	5 / 12.6	5.7 / 14.2	6.3 / 15.9
16	LL		48	108	221	239	391	458	734	1071	1487	1984	-	-
	TL		63	151	318	344	570	669	1080	1423	1778	2082	2338	2604
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.6 / 4	2.6 / 6.4	3.4 / 8.4	4.2 / 10.5	4.9 / 12.2	5.5 / 13.7	6.1 / 15.3
18	LL			76	156	169	278	325	524	768	1071	1437	1866	-
	TL			103	221	240	400	470	765	1119	1399	1707	2023	2247
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	2 / 5.1	3 / 7.5	3.7 / 9.3	4.5 / 11.3	5.4 / 13.4	6 / 14.9
20	LL			56	115	124	204	239	386	568	795	1071	1397	1775
	TL			73	158	172	289	341	558	828	1128	1377	1650	1945
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.5 / 6.2	3.3 / 8.4	4.1 / 10.2	4.9 / 12.2	5.7 / 14.4
22	LL			42	86	94	154	181	293	432	606	818	1071	1365
	TL			52	116	126	214	253	418	623	882	1133	1358	1601
	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 / 7.2	3.7 / 9.3	4.4 / 11.1	5.2 / 13
24	LL				67	72	119	140	227	335	472	639	838	1071
	TL				86	94	162	192	320	479	681	928	1135	1340
	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 / 8.3	4.1 / 10.2	4.8 / 12
26	LL				53	57	94	110	179	265	374	507	667	855
	TL				65	71	124	148	248	374	534	731	963	1136
	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 / 9.4	4.4 / 11
28	LL					46	76	89	144	214	302	410	539	692
	TL					54	96	115	195	297	425	584	776	975
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.8 / 4.6	2.5 / 6.2	3.3 / 8.2	4.1 / 10.3
30	LL						62	72	118	175	247	335	442	568
	TL						75	91	156	238	343	473	630	816
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 4	2.2 / 5.5	2.9 / 7.2	3.7 / 9.3
32	LL						51	60	97	144	204	278	367	472
	TL						59	72	125	192	279	387	517	672
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.9 / 4.8	2.6 / 6.4	3.3 / 8.2
34	LL							50	81	121	171	233	307	396
	TL							57	101	157	229	319	428	558
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.3	2.3 / 5.7	2.9 / 7.3
36	LL								69	102	144	197	260	335
	TL								82	129	189	265	357	467
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5.1	2.6 / 6.6
38	LL								58	87	123	168	222	286
	TL								67	106	158	222	300	394
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
40	LL								50	75	106	144	191	247
	TL								54	88	132	186	254	334
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.1 / 5.4
42	LL									65	92	125	165	214
	TL									73	110	157	215	285
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 4.9
44	LL									56	80	109	144	186
	TL									60	93	133	183	244
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.5
46	LL										70	95	127	164
	TL										78	113	157	209
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.2	1.6 / 4.1
48	LL										62	84	112	144
	TL										65	96	134	180
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8
50	LL										55	75	99	128
	TL										55	82	115	156
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5
52	LL											66	88	114
	TL											70	99	135
	BRG											1.5 / 3	1.5 / 3	1.5 / 3.2
54	LL											59	79	102
	TL											59	85	117
	BRG											1.5 / 3	1.5 / 3	1.5 / 3
56	LL												71	92
	TL												73	101
	BRG												1.5 / 3	1.5 / 3
58	LL												64	82
	TL												63	88
	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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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

**1-Ply, 1.5" 1.6E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	163	314	-	-	-	-	-						
	TL	216	397	580	782	809	1008	1084						
	BRG	1.5 / 3	1.5 / 3.5	2 / 5.1	2.7 / 6.8	2.8 / 7.1	3.5 / 8.8	3.8 / 9.5						
8	LL	70	137	304	-	-	-	-						
	TL	92	181	374	550	568	696	745						
	BRG	1.5 / 3	1.5 / 3	1.7 / 4.4	2.6 / 6.4	2.6 / 6.6	3.2 / 8.1	3.5 / 8.7						
10	LL		72	160	322	348	-	-						
	TL		93	211	378	397	532	567						
	BRG		1.5 / 3	1.5 / 3.1	2.2 / 5.5	2.3 / 5.8	3.1 / 7.8	3.3 / 8.3						
12	LL		42	94	191	207	335	390						
	TL		54	123	252	272	378	418						
	BRG		1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.7 / 6.6	2.9 / 7.4						
14	LL			60	122	132	216	252						
	TL			77	160	173	277	306						
	BRG			1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.7	2.5 / 6.3						
16	LL			40	83	90	147	172						
	TL			51	107	116	191	224						
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3						
18	LL				59	63	104	122						
	TL				75	81	135	158						
	BRG				1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2						
20	LL				43	47	77	90						
	TL				54	58	98	115						
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5						
22	LL						58	68						
	TL						73	86						
	BRG						1.5 / 3	1.5 / 3						
24	LL						45	52						
	TL						55	66						
	BRG						1.5 / 3	1.5 / 3						
26	LL							41						
	TL							51						
	BRG							1.5 / 3						
28	LL													
	TL													
	BRG													
30	LL													
	TL													
	BRG													
32	LL													
	TL													
	BRG													
34	LL													
	TL													
	BRG													
36	LL													
	TL													
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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 16" o.c. or less along its entire length.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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, 1.5" 1.6E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	326	628	-	-	-	-	-	-	-	-	-	-	-
	TL	432	795	1161	1564	1618	2016	2168	2732	3338	4035	4843	5792	6921
	BRG	1.5 / 3	1.5 / 3.5	2 / 5.1	2.7 / 6.8	2.8 / 7.1	3.5 / 8.8	3.8 / 9.5	4.8 / 11.9	5.8 / 14.6	7 / 17.6	8.4 / 21.1	10.1 / 25.3	12.1 / 30.2
8	LL	141	275	608	-	-	-	-	-	-	-	-	-	-
	TL	185	363	749	1100	1135	1393	1489	1838	2196	2589	3021	3499	4030
	BRG	1.5 / 3	1.5 / 3	1.7 / 4.4	2.6 / 6.4	2.6 / 6.6	3.2 / 8.1	3.5 / 8.7	4.3 / 10.7	5.1 / 12.8	6 / 15.1	7 / 17.6	8.2 / 20.4	9.4 / 23.5
10	LL	73	143	321	645	695	-	-	-	-	-	-	-	-
	TL	94	187	422	755	794	1063	1133	1383	1635	1904	2193	2504	2839
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.2 / 5.5	2.3 / 5.8	3.1 / 7.8	3.3 / 8.3	4 / 10.1	4.8 / 11.9	5.6 / 13.9	6.4 / 16	7.3 / 18.3	8.3 / 20.7
12	LL	42	84	189	383	413	670	780	-	-	-	-	-	-
	TL	53	107	246	504	544	756	837	1108	1301	1505	1720	1948	2190
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.7 / 6.6	2.9 / 7.4	3.9 / 9.7	4.6 / 11.4	5.3 / 13.2	6 / 15.1	6.8 / 17.1	7.7 / 19.2
14	LL		53	120	245	265	432	504	803	-	-	-	-	-
	TL		67	155	320	346	553	612	836	1075	1243	1414	1593	1781
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.7	2.5 / 6.3	3.4 / 8.6	4.4 / 11	5.1 / 12.7	5.8 / 14.5	6.5 / 16.3	7.3 / 18.3
16	LL			81	166	179	294	343	551	803	-	-	-	-
	TL			102	214	232	383	449	637	820	1024	1199	1347	1500
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3	3 / 7.5	3.9 / 9.6	4.8 / 12	5.6 / 14.1	6.3 / 15.8	7 / 17.6
18	LL			57	117	127	208	244	393	576	803	-	-	-
	TL			71	149	162	269	316	501	645	806	984	1166	1295
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2	2.7 / 6.7	3.4 / 8.6	4.3 / 10.7	5.2 / 13	6.2 / 15.4	6.8 / 17.1
20	LL			42	86	93	153	179	290	426	596	-	-	-
	TL			50	108	117	196	230	376	521	651	794	951	1121
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	3.1 / 7.7	3.8 / 9.6	4.7 / 11.7	5.6 / 14	6.6 / 16.5
22	LL				65	70	116	136	220	324	454	614	-	-
	TL				80	86	146	172	282	420	535	654	783	923
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.5 / 8.7	4.3 / 10.7	5.1 / 12.7	6 / 15
24	LL				50	54	89	105	170	251	354	479	628	-
	TL				60	65	111	131	217	323	448	547	655	773
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.3 / 5.8	3.2 / 8	3.9 / 9.8	4.7 / 11.7	5.5 / 13.8
26	LL						71	83	135	199	281	381	500	641
	TL						86	102	169	253	361	464	556	656
	BRG						1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7	3.6 / 9	4.3 / 10.8	5.1 / 12.7
28	LL						57	67	108	160	226	307	405	519
	TL						67	80	134	202	288	395	477	563
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.3	2.4 / 6.1	3.3 / 8.3	4 / 10	4.7 / 11.8
30	LL						46	54	88	131	185	251	332	426
	TL						53	63	107	163	233	320	413	488
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.4	2.9 / 7.3	3.7 / 9.3	4.4 / 11
32	LL							45	73	108	153	208	275	354
	TL							51	87	132	191	263	350	427
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.7	2.6 / 6.4	3.4 / 8.5	4.1 / 10.3
34	LL								61	90	128	174	231	297
	TL								71	109	157	218	291	376
	BRG								1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.7	3 / 7.6	3.9 / 9.7
36	LL								51	76	108	148	195	251
	TL								58	90	131	182	244	317
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.1	2.7 / 6.8	3.5 / 8.7
38	LL									65	92	126	167	215
	TL									75	110	153	206	268
	BRG									1.5 / 3	1.5 / 3.4	1.8 / 4.6	2.4 / 6.1	3.2 / 7.9
40	LL									56	79	108	143	185
	TL									63	92	129	175	229
	BRG									1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.5	2.9 / 7.1
42	LL									48	69	94	124	160
	TL									53	78	110	149	196
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5	2.6 / 6.5
44	LL										60	82	108	140
	TL										66	94	128	168
	BRG										1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
46	LL										52	72	95	123
	TL										56	80	110	146
	BRG										1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL											63	84	108
	TL											69	95	126
	BRG											1.5 / 3	1.6 / 3.9	2 / 5
50	LL											56	74	96
	TL											60	82	110
	BRG											1.5 / 3	1.5 / 3.6	1.9 / 4.6
52	LL											50	66	85
	TL											51	72	96
	BRG											1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL												59	76
	TL												62	84
	BRG												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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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.

Nov. 2020

**3-Ply, 1.5" 1.6E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	109	215	481	967	1043	-	-	-	-	-	-	-	-
	TL	141	280	633	1133	1192	1595	1700	2075	2452	2856	3290	3756	4259
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.2 / 5.5	2.3 / 5.8	3.1 / 7.8	3.3 / 8.3	4 / 10.1	4.8 / 11.9	5.6 / 13.9	6.4 / 16	7.3 / 18.3	8.3 / 20.7
12	LL	64	126	283	574	620	1004	1170	-	-	-	-	-	-
	TL	80	161	369	755	816	1134	1255	1662	1951	2257	2580	2922	3285
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.7 / 6.6	2.9 / 7.4	3.9 / 9.7	4.6 / 11.4	5.3 / 13.2	6 / 15.1	6.8 / 17.1	7.7 / 19.2
14	LL		80	180	367	397	647	756	1205	-	-	-	-	-
	TL		100	232	480	519	830	919	1253	1612	1864	2121	2389	2672
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.7	2.5 / 6.3	3.4 / 8.6	4.4 / 11	5.1 / 12.7	5.8 / 14.5	6.5 / 16.3	7.3 / 18.3
16	LL		53	121	249	269	440	515	826	1205	-	-	-	-
	TL		65	154	321	348	574	673	956	1230	1536	1799	2020	2250
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3	3 / 7.5	3.9 / 9.6	4.8 / 12	5.6 / 14.1	6.3 / 15.8	7 / 17.6
18	LL			86	176	190	313	366	589	864	1205	-	-	-
	TL			106	224	243	404	474	752	968	1210	1476	1748	1942
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2	2.7 / 6.7	3.4 / 8.6	4.3 / 10.7	5.2 / 13	6.2 / 15.4	6.8 / 17.1
20	LL			63	129	140	230	269	435	639	895	-	-	-
	TL			75	162	175	293	345	564	781	976	1191	1426	1681
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	3.1 / 7.7	3.8 / 9.6	4.7 / 11.7	5.6 / 14	6.6 / 16.5
22	LL			47	97	105	173	203	329	486	682	921	-	-
	TL			55	119	130	219	258	423	629	803	981	1175	1385
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.5 / 8.7	4.3 / 10.7	5.1 / 12.7	6 / 15
24	LL				75	81	134	157	255	377	531	718	943	-
	TL				90	98	166	197	325	485	672	820	983	1159
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.3 / 5.8	3.2 / 8	3.9 / 9.8	4.7 / 11.7	5.5 / 13.8
26	LL				59	64	106	124	202	299	421	571	750	961
	TL				69	75	129	152	253	380	541	696	834	984
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7	3.6 / 9	4.3 / 10.8	5.1 / 12.7
28	LL				48	51	85	100	162	240	339	461	607	779
	TL				53	58	101	120	201	303	432	592	716	845
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.3	2.4 / 6.1	3.3 / 8.3	4 / 10	4.7 / 11.8
30	LL					69	81	132	196	277	377	497	639	-
	TL					80	95	161	244	350	480	620	732	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.4	2.9 / 7.3	3.7 / 9.3	4.4 / 11	-
32	LL					57	67	109	162	230	313	412	531	-
	TL					64	76	130	198	286	394	525	640	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.7	2.6 / 6.4	3.4 / 8.5	4.1 / 10.3	-
34	LL					48	56	91	136	192	262	346	445	-
	TL					51	61	106	163	236	326	436	564	-
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.7	3 / 7.6	3.9 / 9.7	-
36	LL							77	115	162	221	293	377	-
	TL							87	135	196	273	365	476	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.1	2.7 / 6.8	3.5 / 8.7	-
38	LL							66	98	138	189	250	322	-
	TL							72	112	164	229	308	403	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.4	1.8 / 4.6	2.4 / 6.1	3.2 / 7.9	-
40	LL							56	84	119	162	215	277	-
	TL							59	94	138	194	262	343	-
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.5	2.9 / 7.1	-
42	LL								73	103	141	186	240	-
	TL								79	117	165	223	294	-
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5	2.6 / 6.5	-
44	LL								63	90	123	162	210	-
	TL								66	99	141	192	253	-
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9	-
46	LL								55	79	107	142	184	-
	TL								56	85	121	165	218	-
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5	-
48	LL									69	95	126	162	-
	TL									72	104	143	189	-
	BRG									1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5	-
50	LL									61	84	111	144	-
	TL									62	89	124	165	-
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.6	-
52	LL									55	75	99	128	-
	TL									53	77	107	144	-
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3	-
54	LL										67	89	115	-
	TL										67	93	126	-
	BRG										1.5 / 3	1.5 / 3.1	1.6 / 4	-
56	LL										60	80	103	-
	TL										57	81	110	-
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.7	-
58	LL											72	93	-
	TL											71	97	-
	BRG											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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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

**4-Ply, 1.5" 1.6E true RigidLam LVL @ 115% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	146	287	642	1289	1390	-	-	-	-	-	-	-	-
	TL	188	374	844	1511	1589	2126	2267	2766	3269	3808	4386	5008	5679
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.2 / 5.5	2.3 / 5.8	3.1 / 7.8	3.3 / 8.3	4 / 10.1	4.8 / 11.9	5.6 / 13.9	6.4 / 16	7.3 / 18.3	8.3 / 20.7
12	LL	85	167	377	766	827	1339	1560	-	-	-	-	-	-
	TL	107	215	492	1007	1088	1512	1674	2216	2602	3009	3440	3896	4380
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.7 / 6.6	2.9 / 7.4	3.9 / 9.7	4.6 / 11.4	5.3 / 13.2	6 / 15.1	6.8 / 17.1	7.7 / 19.2
14	LL	54	106	240	490	529	863	1008	1606	-	-	-	-	-
	TL	65	133	309	639	692	1106	1225	1671	2149	2486	2827	3186	3562
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.7	2.5 / 6.3	3.4 / 8.6	4.4 / 11	5.1 / 12.7	5.8 / 14.5	6.5 / 16.3	7.3 / 18.3
16	LL		71	162	332	359	587	686	1101	1606	-	-	-	-
	TL		87	205	428	464	766	897	1274	1640	2048	2399	2693	3000
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3	3 / 7.5	3.9 / 9.6	4.8 / 12	5.6 / 14.1	6.3 / 15.8	7 / 17.6
18	LL		50	114	235	254	417	488	786	1152	1606	-	-	-
	TL		59	141	299	324	539	633	1003	1291	1613	1968	2331	2590
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2	2.7 / 6.7	3.4 / 8.6	4.3 / 10.7	5.2 / 13	6.2 / 15.4	6.8 / 17.1
20	LL			84	172	186	306	359	579	852	1193	-	-	-
	TL			100	215	234	391	460	752	1041	1301	1588	1902	2242
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	3.1 / 7.7	3.8 / 9.6	4.7 / 11.7	5.6 / 14	6.6 / 16.5
22	LL			63	130	140	231	271	439	647	909	1227	-	-
	TL			73	159	173	291	344	565	839	1071	1307	1566	1847
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.5 / 8.7	4.3 / 10.7	5.1 / 12.7	6 / 15
24	LL			49	100	108	179	210	341	503	708	958	1257	-
	TL			54	120	130	222	262	433	647	895	1094	1311	1546
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.3 / 5.8	3.2 / 8	3.9 / 9.8	4.7 / 11.7	5.5 / 13.8
26	LL				79	86	141	166	269	398	561	761	1001	1282
	TL				91	100	171	203	338	507	721	928	1112	1312
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7	3.6 / 9	4.3 / 10.8	5.1 / 12.7
28	LL				63	69	113	133	216	321	452	614	809	1038
	TL				71	77	134	160	268	403	576	789	954	1126
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.3	2.4 / 6.1	3.3 / 8.3	4 / 10	4.7 / 11.8
30	LL				52	56	92	108	177	262	370	503	663	852
	TL				55	60	106	127	214	325	466	641	827	976
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.4	2.9 / 7.3	3.7 / 9.3	4.4 / 11
32	LL						76	90	146	216	306	417	550	708
	TL						85	102	174	265	381	526	700	854
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.7	2.6 / 6.4	3.4 / 8.5	4.1 / 10.3
34	LL						64	75	122	181	256	349	461	594
	TL						68	82	142	217	315	435	582	752
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.7	3 / 7.6	3.9 / 9.7
36	LL						54	63	103	153	216	295	390	503
	TL						55	66	116	180	262	363	487	635
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.1	2.7 / 6.8	3.5 / 8.7
38	LL							54	88	130	185	252	333	430
	TL							54	96	150	219	306	411	537
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.8 / 4.6	2.4 / 6.1	3.2 / 7.9
40	LL								75	112	159	216	287	370
	TL								79	125	184	259	349	457
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.5	2.9 / 7.1
42	LL								65	97	137	187	248	321
	TL								66	105	156	220	298	391
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5	2.6 / 6.5
44	LL								57	84	120	163	216	280
	TL								55	88	132	188	256	337
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
46	LL									74	105	143	190	245
	TL									74	113	161	220	291
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL									65	92	126	167	216
	TL									63	96	138	190	253
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5
50	LL									58	82	112	148	192
	TL									53	82	119	165	220
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.6
52	LL										73	100	132	171
	TL										70	103	143	192
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL										65	89	118	153
	TL										60	89	125	168
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.1	1.6 / 4
56	LL										58	80	106	137
	TL										51	77	108	147
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7
58	LL											72	96	124
	TL											66	94	129
	BRG											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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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, 1.5" 1.6E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	163	314	-	-	-	-	-						
	TL	216	417	631	850	880	1096	1179						
	BRG	1.5 / 3	1.5 / 3.6	2.2 / 5.5	3 / 7.4	3.1 / 7.7	3.8 / 9.6	4.1 / 10.3						
8	LL	70	137	304	-	-	-	-						
	TL	92	181	403	598	617	757	810						
	BRG	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 7	2.9 / 7.2	3.5 / 8.8	3.8 / 9.4						
10	LL		72	160	322	348	558	-						
	TL		93	211	411	432	578	616						
	BRG		1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.3	3.4 / 8.4	3.6 / 9						
12	LL		42	94	191	207	335	390						
	TL		54	123	252	272	411	455						
	BRG		1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.9 / 7.2	3.2 / 8						
14	LL			60	122	132	216	252						
	TL			77	160	173	283	331						
	BRG			1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.7 / 6.8						
16	LL			40	83	90	147	172						
	TL			51	107	116	191	224						
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3						
18	LL				59	63	104	122						
	TL				75	81	135	158						
	BRG				1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2						
20	LL				43	47	77	90						
	TL				54	58	98	115						
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5						
22	LL						58	68						
	TL						73	86						
	BRG						1.5 / 3	1.5 / 3						
24	LL						45	52						
	TL						55	66						
	BRG						1.5 / 3	1.5 / 3						
26	LL							41						
	TL							51						
	BRG							1.5 / 3						
28	LL													
	TL													
	BRG													
30	LL													
	TL													
	BRG													
32	LL													
	TL													
	BRG													
34	LL													
	TL													
	BRG													
36	LL													
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42	LL													
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44	LL													
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46	LL													
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	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 16" o.c. or less along its entire length.

**1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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, 1.5" 1.6E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	326	628	-	-	-	-	-	-	-	-	-	-	-
	TL	432	834	1262	1701	1759	2192	2357	2970	3629	4387	5265	6297	7525
	BRG	1.5 / 3	1.5 / 3.6	2.2 / 5.5	3 / 7.4	3.1 / 7.7	3.8 / 9.6	4.1 / 10.3	5.2 / 13	6.3 / 15.8	7.7 / 19.1	9.2 / 23	11 / 27.4	13.1 / 32.8
8	LL	141	275	608	-	-	-	-	-	-	-	-	-	-
	TL	185	363	806	1196	1234	1515	1620	1998	2388	2815	3285	3805	4382
	BRG	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 7	2.9 / 7.2	3.5 / 8.8	3.8 / 9.4	4.7 / 11.6	5.6 / 13.9	6.6 / 16.4	7.7 / 19.1	8.9 / 22.2	10.2 / 25.5
10	LL	73	143	321	645	695	1115	-	-	-	-	-	-	-
	TL	94	187	422	822	864	1156	1233	1504	1778	2071	2385	2723	3088
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.3	3.4 / 8.4	3.6 / 9	4.4 / 11	5.2 / 13	6 / 15.1	7 / 17.4	7.9 / 19.9	9 / 22.5
12	LL	42	84	189	383	413	670	780	-	-	-	-	-	-
	TL	53	107	246	504	544	822	910	1205	1415	1637	1871	2119	2382
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.9 / 7.2	3.2 / 8	4.2 / 10.6	5 / 12.4	5.7 / 14.3	6.6 / 16.4	7.4 / 18.6	8.3 / 20.9
14	LL		53	120	245	265	432	504	803	1165	-	-	-	-
	TL		67	155	320	346	567	663	909	1169	1352	1538	1733	1938
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.7 / 6.8	3.7 / 9.3	4.8 / 12	5.6 / 13.9	6.3 / 15.8	7.1 / 17.7	7.9 / 19.8
16	LL			81	166	179	294	343	551	803	-	-	-	-
	TL			102	214	232	383	449	694	892	1114	1305	1465	1632
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3	3.3 / 8.2	4.2 / 10.5	5.2 / 13.1	6.1 / 15.3	6.9 / 17.2	7.7 / 19.1
18	LL			57	117	127	208	244	393	576	803	-	-	-
	TL			71	149	162	269	316	513	703	878	1071	1268	1409
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2	2.7 / 6.8	3.7 / 9.3	4.6 / 11.6	5.7 / 14.2	6.7 / 16.8	7.4 / 18.6
20	LL			42	86	93	153	179	290	426	596	803	-	-
	TL			50	108	117	196	230	376	556	708	865	1035	1220
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	3.3 / 8.2	4.2 / 10.5	5.1 / 12.7	6.1 / 15.2	7.2 / 17.9
22	LL				65	70	116	136	220	324	454	614	803	-
	TL				80	86	146	172	282	420	583	712	853	1005
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.8 / 9.5	4.6 / 11.6	5.5 / 13.9	6.5 / 16.3
24	LL				50	54	89	105	170	251	354	479	628	803
	TL				60	65	111	131	217	323	458	596	714	842
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.3 / 5.8	3.3 / 8.2	4.2 / 10.6	5.1 / 12.7	6 / 15
26	LL						71	83	135	199	281	381	500	641
	TL						86	102	169	253	361	492	606	715
	BRG						1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7	3.8 / 9.6	4.7 / 11.7	5.5 / 13.8
28	LL						57	67	108	160	226	307	405	519
	TL						67	80	134	202	288	395	520	614
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.3	2.4 / 6.1	3.3 / 8.3	4.4 / 10.9	5.1 / 12.8
30	LL						46	54	88	131	185	251	332	426
	TL						53	63	107	163	233	320	426	532
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.4	2.9 / 7.3	3.8 / 9.6	4.8 / 12
32	LL							45	73	108	153	208	275	354
	TL							51	87	132	191	263	350	454
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.7	2.6 / 6.4	3.4 / 8.5	4.4 / 10.9
34	LL								61	90	128	174	231	297
	TL								71	109	157	218	291	378
	BRG								1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.7	3 / 7.6	3.9 / 9.8
36	LL								51	76	108	148	195	251
	TL								58	90	131	182	244	317
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.1	2.7 / 6.8	3.5 / 8.7
38	LL									65	92	126	167	215
	TL									75	110	153	206	268
	BRG									1.5 / 3	1.5 / 3.4	1.8 / 4.6	2.4 / 6.1	3.2 / 7.9
40	LL									56	79	108	143	185
	TL									63	92	129	175	229
	BRG									1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.5	2.9 / 7.1
42	LL									48	69	94	124	160
	TL									53	78	110	149	196
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5	2.6 / 6.5
44	LL										60	82	108	140
	TL										66	94	128	168
	BRG										1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
46	LL										52	72	95	123
	TL										56	80	110	146
	BRG										1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL											63	84	108
	TL											69	95	126
	BRG											1.5 / 3	1.6 / 3.9	2 / 5
50	LL											56	74	96
	TL											60	82	110
	BRG											1.5 / 3	1.5 / 3.6	1.9 / 4.6
52	LL											50	66	85
	TL											51	72	96
	BRG											1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL												59	76
	TL												62	84
	BRG												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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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.

Nov. 2020

**3-Ply, 1.5" 1.6E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	109	215	481	967	1043	1673	-	-	-	-	-	-	-
	TL	141	280	633	1233	1296	1734	1849	2256	2667	3106	3578	4085	4632
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.3	3.4 / 8.4	3.6 / 9	4.4 / 11	5.2 / 13	6 / 15.1	7 / 17.4	7.9 / 19.9	9 / 22.5
12	LL	64	126	283	574	620	1004	1170	-	-	-	-	-	-
	TL	80	161	369	755	816	1233	1366	1808	2123	2455	2806	3178	3573
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.9 / 7.2	3.2 / 8	4.2 / 10.6	5 / 12.4	5.7 / 14.3	6.6 / 16.4	7.4 / 18.6	8.3 / 20.9
14	LL		80	180	367	397	647	756	1205	1747	-	-	-	-
	TL		100	232	480	519	850	994	1364	1754	2028	2307	2599	2906
	BRG		1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.7 / 6.8	3.7 / 9.3	4.8 / 12	5.5 / 13.9	6.3 / 15.8	7.1 / 17.7	7.9 / 19.8
16	LL		53	121	249	269	440	515	826	1205	-	-	-	-
	TL		65	154	321	348	574	673	1040	1339	1672	1958	2198	2448
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3	3.3 / 8.2	4.2 / 10.5	5.2 / 13.1	6.1 / 15.3	6.9 / 17.2	7.7 / 19.1
18	LL			86	176	190	313	366	589	864	1205	-	-	-
	TL			106	224	243	404	474	770	1054	1317	1606	1903	2114
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2	2.7 / 6.8	3.7 / 9.3	4.6 / 11.6	5.7 / 14.2	6.7 / 16.8	7.4 / 18.6
20	LL			63	129	140	230	269	435	639	895	1205	-	-
	TL			75	162	175	293	345	564	834	1063	1297	1553	1830
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	3.3 / 8.2	4.2 / 10.5	5.1 / 12.7	6.1 / 15.2	7.2 / 17.9
22	LL			47	97	105	173	203	329	486	682	921	1205	-
	TL			55	119	130	219	258	423	629	875	1068	1279	1508
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.8 / 9.5	4.6 / 11.6	5.5 / 13.9	6.5 / 16.3
24	LL				75	81	134	157	255	377	531	718	943	1205
	TL				90	98	166	197	325	485	687	894	1071	1263
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.3 / 5.8	3.3 / 8.2	4.2 / 10.6	5.1 / 12.7	6 / 15
26	LL				59	64	106	124	202	299	421	571	750	961
	TL				69	75	129	152	253	380	541	739	909	1072
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7	3.8 / 9.6	4.7 / 11.7	5.5 / 13.8
28	LL				48	51	85	100	162	240	339	461	607	779
	TL				53	58	101	120	201	303	432	592	780	920
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.3	2.4 / 6.1	3.3 / 8.3	4.4 / 10.9	5.1 / 12.8
30	LL					69	81	132	196	277	377	497	639	
	TL					80	95	161	244	350	480	638	798	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.4	2.9 / 7.3	3.8 / 9.6	4.8 / 12	
32	LL					57	67	109	162	230	313	412	531	
	TL					64	76	130	198	286	394	525	681	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.7	2.6 / 6.4	3.4 / 8.5	4.4 / 10.9	
34	LL					48	56	91	136	192	262	346	445	
	TL					51	61	106	163	236	326	436	567	
	BRG					1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.7	3 / 7.6	3.9 / 9.8	
36	LL							77	115	162	221	293	377	
	TL							87	135	196	273	365	476	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.1	2.7 / 6.8	3.5 / 8.7	
38	LL							66	98	138	189	250	322	
	TL							72	112	164	229	308	403	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.4	1.8 / 4.6	2.4 / 6.1	3.2 / 7.9	
40	LL							56	84	119	162	215	277	
	TL							59	94	138	194	262	343	
	BRG							1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.5	2.9 / 7.1	
42	LL								73	103	141	186	240	
	TL								79	117	165	223	294	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5	2.6 / 6.5	
44	LL								63	90	123	162	210	
	TL								66	99	141	192	253	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9	
46	LL								55	79	107	142	184	
	TL								56	85	121	165	218	
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5	
48	LL									69	95	126	162	
	TL									72	104	143	189	
	BRG									1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5	
50	LL									61	84	111	144	
	TL									62	89	124	165	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.6	
52	LL									55	75	99	128	
	TL									53	77	107	144	
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3	
54	LL										67	89	115	
	TL										67	93	126	
	BRG										1.5 / 3	1.5 / 3.1	1.6 / 4	
56	LL										60	80	103	
	TL										57	81	110	
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.7	
58	LL											72	93	
	TL											71	97	
	BRG											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.

1-1/2" LVL members 14" 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 575 psi.

Longer bearing lengths will be required if bearing surface has an allowable bearing stress of less than 575 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.

Nov. 2020

**4-Ply, 1.5" 1.6E true RigidLam LVL @ 125% Roof (PLF)**
**L/240 LL L/180 TL**
**Douglas-fir**
**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	146	287	642	1289	1390	2230	-	-	-	-	-	-	-
	TL	188	374	844	1643	1728	2313	2465	3009	3556	4141	4770	5446	6176
	BRG	1.5 / 3	1.5 / 3	1.5 / 3.1	2.4 / 6	2.5 / 6.3	3.4 / 8.4	3.6 / 9	4.4 / 11	5.2 / 13	6 / 15.1	7 / 17.4	7.9 / 19.9	9 / 22.5
12	LL	85	167	377	766	827	1339	1560	-	-	-	-	-	-
	TL	107	215	492	1007	1088	1644	1821	2411	2830	3273	3741	4238	4764
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.4	1.9 / 4.8	2.9 / 7.2	3.2 / 8	4.2 / 10.6	5 / 12.4	5.7 / 14.3	6.6 / 16.4	7.4 / 18.6	8.3 / 20.9
14	LL	54	106	240	490	529	863	1008	1606	2329	-	-	-	-
	TL	65	133	309	639	692	1134	1326	1818	2338	2704	3076	3466	3875
	BRG	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.5 / 3.6	2.3 / 5.8	2.7 / 6.8	3.7 / 9.3	4.8 / 12	5.5 / 13.9	6.3 / 15.8	7.1 / 17.7	7.9 / 19.8
16	LL		71	162	332	359	587	686	1101	1606	-	-	-	-
	TL		87	205	428	464	766	897	1387	1785	2229	2610	2930	3264
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.8 / 4.5	2.1 / 5.3	3.3 / 8.2	4.2 / 10.5	5.2 / 13.1	6.1 / 15.3	6.9 / 17.2	7.7 / 19.1
18	LL		50	114	235	254	417	488	786	1152	1606	-	-	-
	TL		59	141	299	324	539	633	1027	1405	1755	2142	2537	2818
	BRG		1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.7 / 4.2	2.7 / 6.8	3.7 / 9.3	4.6 / 11.6	5.7 / 14.2	6.7 / 16.8	7.4 / 18.6
20	LL			84	172	186	306	359	579	852	1193	1606	-	-
	TL			100	215	234	391	460	752	1112	1417	1729	2070	2440
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	2.2 / 5.6	3.3 / 8.2	4.2 / 10.5	5.1 / 12.7	6.1 / 15.2	7.2 / 17.9
22	LL			63	130	140	231	271	439	647	909	1227	1606	-
	TL			73	159	173	291	344	565	839	1166	1424	1705	2010
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.9 / 4.7	2.8 / 6.9	3.8 / 9.5	4.6 / 11.6	5.5 / 13.9	6.5 / 16.3
24	LL			49	100	108	179	210	341	503	708	958	1257	1606
	TL			54	120	130	222	262	433	647	916	1192	1428	1683
	BRG			1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2.3 / 5.8	3.3 / 8.2	4.2 / 10.6	5.1 / 12.7	6 / 15
26	LL				79	86	141	166	269	398	561	761	1001	1282
	TL				91	100	171	203	338	507	721	985	1211	1429
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	2 / 5	2.8 / 7	3.8 / 9.6	4.7 / 11.7	5.5 / 13.8
28	LL				63	69	113	133	216	321	452	614	809	1038
	TL				71	77	134	160	268	403	576	789	1040	1227
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.3	2.4 / 6.1	3.3 / 8.3	4.4 / 10.9	5.1 / 12.8
30	LL				52	56	92	108	177	262	370	503	663	852
	TL				55	60	106	127	214	325	466	641	851	1064
	BRG				1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.4	2.9 / 7.3	3.8 / 9.6	4.8 / 12
32	LL						76	90	146	216	306	417	550	708
	TL						85	102	174	265	381	526	700	907
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.3	1.9 / 4.7	2.6 / 6.4	3.4 / 8.5	4.4 / 10.9
34	LL						64	75	122	181	256	349	461	594
	TL						68	82	142	217	315	435	582	756
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.7 / 4.2	2.3 / 5.7	3 / 7.6	3.9 / 9.8
36	LL						54	63	103	153	216	295	390	503
	TL						55	66	116	180	262	363	487	635
	BRG						1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2.1 / 5.1	2.7 / 6.8	3.5 / 8.7
38	LL							54	88	130	185	252	333	430
	TL							54	96	150	219	306	411	537
	BRG							1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.4	1.8 / 4.6	2.4 / 6.1	3.2 / 7.9
40	LL								75	112	159	216	287	370
	TL								79	125	184	259	349	457
	BRG								1.5 / 3	1.5 / 3	1.5 / 3.1	1.7 / 4.2	2.2 / 5.5	2.9 / 7.1
42	LL								65	97	137	187	248	321
	TL								66	105	156	220	298	391
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.8	2 / 5	2.6 / 6.5
44	LL								57	84	120	163	216	280
	TL								55	88	132	188	256	337
	BRG								1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.5	1.8 / 4.6	2.4 / 5.9
46	LL									74	105	143	190	245
	TL									74	113	161	220	291
	BRG									1.5 / 3	1.5 / 3	1.5 / 3.2	1.7 / 4.2	2.2 / 5.5
48	LL									65	92	126	167	216
	TL									63	96	138	190	253
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.6 / 3.9	2 / 5
50	LL									58	82	112	148	192
	TL									53	82	119	165	220
	BRG									1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.6	1.9 / 4.6
52	LL										73	100	132	171
	TL										70	103	143	192
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.3	1.7 / 4.3
54	LL										65	89	118	153
	TL										60	89	125	168
	BRG										1.5 / 3	1.5 / 3	1.5 / 3.1	1.6 / 4
56	LL										58	80	106	137
	TL										51	77	108	147
	BRG										1.5 / 3	1.5 / 3	1.5 / 3	1.5 / 3.7
58	LL											72	96	124
	TL											66	94	129
	BRG											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.

1-1/2" LVL members 14" and deeper must be a minimum of 2 plies unless designed by a design professional for a specific application.

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Nov. 2020