

1-Ply, 1.75" 2.3E true RigidLam LVL - Standard Term - Floor/Roof (PLF) L/360 LL L/240 TL Douglas-fir

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Limit States 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 | Unfactored Load (LL) | 182 | 351 | 759 | 1453 | 1556 | - | - | - | | | | | |
| | Unfactored Load (TL) | 271 | 524 | 1134 | - | - | - | - | - | | | | | |
| | Total Factored Load | 602 | 926 | 1300 | 1752 | 1812 | 2257 | 2428 | 3059 | | | | | |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3.6 | 2 / 5.1 | 2.8 / 6.9 | 2.9 / 7.1 | 3.6 / 8.9 | 3.8 / 9.6 | 4.8 / 12 | | | | | |
| 8 | Unfactored Load (LL) | 79 | 154 | 340 | 672 | 723 | 1141 | 1316 | 2007 | | | | | |
| | Unfactored Load (TL) | 116 | 228 | 507 | 1004 | 1081 | - | - | - | | | | | |
| | Total Factored Load | 338 | 519 | 873 | 1233 | 1272 | 1561 | 1669 | 2059 | | | | | |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.8 / 4.6 | 2.6 / 6.5 | 2.7 / 6.7 | 3.3 / 8.2 | 3.5 / 8.8 | 4.3 / 10.8 | | | | | |
| 10 | Unfactored Load (LL) | 41 | 80 | 179 | 360 | 389 | 623 | 723 | 1128 | | | | | |
| | Unfactored Load (TL) | 59 | 118 | 266 | 536 | 579 | 930 | 1079 | - | | | | | |
| | Total Factored Load | 215 | 331 | 557 | 881 | 926 | 1192 | 1271 | 1551 | | | | | |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 2.3 / 5.8 | 2.4 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | | | | | |
| 12 | Unfactored Load (LL) | 24 | 47 | 105 | 214 | 231 | 374 | 436 | 689 | | | | | |
| | Unfactored Load (TL) | 34 | 68 | 155 | 317 | 342 | 556 | 649 | 1027 | | | | | |
| | Total Factored Load | 149 | 229 | 386 | 610 | 641 | 882 | 976 | 1243 | | | | | |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.9 / 4.8 | 2 / 5.1 | 2.8 / 7 | 3.1 / 7.7 | 3.9 / 9.8 | | | | | |
| 14 | Unfactored Load (LL) | 15 | 30 | 67 | 137 | 148 | 241 | 282 | 449 | | | | | |
| | Unfactored Load (TL) | 20 | 42 | 97 | 201 | 218 | 357 | 417 | 667 | | | | | |
| | Total Factored Load | 109 | 167 | 282 | 447 | 470 | 646 | 715 | 975 | | | | | |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.1 | 1.7 / 4.4 | 2.4 / 6 | 2.6 / 6.6 | 3.6 / 9 | | | | | |
| 16 | Unfactored Load (LL) | 10 | 20 | 45 | 93 | 100 | 164 | 192 | 308 | | | | | |
| | Unfactored Load (TL) | 13 | 27 | 65 | 135 | 146 | 241 | 282 | 455 | | | | | |
| | Total Factored Load | 83 | 127 | 215 | 341 | 358 | 493 | 546 | 745 | | | | | |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.6 | 1.5 / 3.8 | 2.1 / 5.2 | 2.3 / 5.8 | 3.2 / 7.9 | | | | | |
| 18 | Unfactored Load (LL) | | 14 | 32 | 66 | 71 | 116 | 136 | 220 | | | | | |
| | Unfactored Load (TL) | | 19 | 45 | 94 | 102 | 170 | 199 | 323 | | | | | |
| | Total Factored Load | | 100 | 169 | 268 | 282 | 388 | 430 | 587 | | | | | |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.4 | 1.9 / 4.6 | 2.1 / 5.1 | 2.8 / 7 | | | | | |
| 20 | Unfactored Load (LL) | | 10 | 23 | 48 | 52 | 86 | 100 | 162 | | | | | |
| | Unfactored Load (TL) | | 13 | 32 | 68 | 74 | 123 | 145 | 236 | | | | | |
| | Total Factored Load | | 80 | 136 | 216 | 227 | 313 | 347 | 474 | | | | | |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.2 | 1.9 / 4.6 | 2.5 / 6.3 | | | | | |
| 22 | Unfactored Load (LL) | | | 18 | 36 | 39 | 65 | 76 | 123 | | | | | |
| | Unfactored Load (TL) | | | 23 | 50 | 54 | 92 | 108 | 178 | | | | | |
| | Total Factored Load | | | 112 | 178 | 187 | 258 | 286 | 390 | | | | | |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.8 | 1.7 / 4.2 | 2.3 / 5.7 | | | | | |
| 24 | Unfactored Load (LL) | | | 14 | 28 | 30 | 50 | 59 | 95 | | | | | |
| | Unfactored Load (TL) | | | 17 | 38 | 41 | 70 | 83 | 136 | | | | | |
| | Total Factored Load | | | 93 | 149 | 156 | 216 | 239 | 327 | | | | | |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.5 / 3.9 | 2.1 / 5.3 | | | | | |
| 26 | Unfactored Load (LL) | | | 11 | 22 | 24 | 39 | 46 | 75 | | | | | |
| | Unfactored Load (TL) | | | 13 | 29 | 31 | 54 | 64 | 106 | | | | | |
| | Total Factored Load | | | 79 | 126 | 132 | 183 | 203 | 277 | | | | | |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.6 | 1.9 / 4.8 | | | | | |
| 28 | Unfactored Load (LL) | | | | 18 | 19 | 32 | 37 | 61 | | | | | |
| | Unfactored Load (TL) | | | | 22 | 24 | 42 | 50 | 84 | | | | | |
| | Total Factored Load | | | | 108 | 113 | 157 | 174 | 238 | | | | | |
| | Min. end / Int. bearing | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.8 / 4.5 | | | | | |
| 30 | Unfactored Load (LL) | | | | 14 | 16 | 26 | 30 | 49 | | | | | |
| | Unfactored Load (TL) | | | | 17 | 19 | 34 | 40 | 68 | | | | | |
| | Total Factored Load | | | | 93 | 98 | 136 | 150 | 206 | | | | | |
| | Min. end / Int. bearing | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.7 / 4.2 | | | | | |
| 32 | Unfactored Load (LL) | | | | 12 | 13 | 21 | 25 | 41 | | | | | |
| | Unfactored Load (TL) | | | | 14 | 15 | 27 | 32 | 55 | | | | | |
| | Total Factored Load | | | | 81 | 85 | 118 | 131 | 180 | | | | | |
| | Min. end / Int. bearing | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.6 / 3.9 | | | | | |
| 34 | Unfactored Load (LL) | | | | 10 | 11 | 18 | 21 | 34 | | | | | |
| | Unfactored Load (TL) | | | | 11 | 12 | 21 | 26 | 45 | | | | | |
| | Total Factored Load | | | | 71 | 75 | 104 | 116 | 159 | | | | | |
| | Min. end / Int. bearing | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | | | | | |
| 36 | Unfactored Load (LL) | | | | | | 15 | 18 | 29 | | | | | |
| | Unfactored Load (TL) | | | | | | 17 | 21 | 37 | | | | | |
| | Total Factored Load | | | | | | 92 | 102 | 141 | | | | | |
| | Min. end / Int. bearing | | | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | | | | | |
| 38 | Unfactored Load (LL) | | | | | | 13 | 15 | 24 | | | | | |
| | Unfactored Load (TL) | | | | | | 14 | 17 | 30 | | | | | |
| | Total Factored Load | | | | | | 82 | 91 | 125 | | | | | |
| | Min. end / Int. bearing | | | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | | | | | |
| 40 | Unfactored Load (LL) | | | | | | 11 | 13 | 21 | | | | | |
| | Unfactored Load (TL) | | | | | | 11 | 14 | 25 | | | | | |
| | Total Factored Load | | | | | | 73 | 82 | 112 | | | | | |
| | Min. end / Int. bearing | | | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | | | | | |

- Notes:**
- The values shown are the maximum uniform unfactored and factored loads in pounds per linear foot that can be applied to the beam. The weight of the beam has been deducted from the Total Unfactored Load (TL) and Total Factored Load.
 - Bearing lengths are in inches based on the compression perpendicular to grain resistance of the LVL beam. For bearing on other wood materials, the bearing resistance of the supporting material should be checked.
 - The tabulated values are for simple span or for continuous span beams.
 - Design span is the clear span between supports plus one half of the required bearing at each end.
 - The table is for standard term loading and dry service conditions.
 - Lateral support at points of bearing and continuous lateral support for top of beam must be provided to prevent rotation or lateral displacement.
 - Calculations have been carried out in accordance with CSA O86-14.
 - 1-1/2" thick LVL members 14" and deeper and 1-3/4" thick LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional.
 - 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.

Directions for use of Table:

- Determine the total factored load, unfactored live load and unfactored total load.
- Choose a span that meets or exceeds the actual design span (centre to centre of bearing).
- Scan from left to right within the span row to find a cell where: the L/360 (LL) load exceeds the unfactored live load; the L/240 (TL) load exceeds the unfactored total load; the factored total load resistance exceeds the factored total load. All four rows including minimum bearing must be checked. Where no unfactored loads are shown, total factored load will govern.
- If the selected beam is too deep or the bearing length is too long, resize the beam using a wider member.
- For an L/480 live load deflection limit, multiply the tabulated L/360 (LL) loads by 0.75. For an L/180 total load limit, multiply the tabulated L/240 (TL) loads by 1.33.

2-Ply, 1.75" 2.3E true RigidLam LVL - Standard Term - Floor/Roof (PLF) L/360 LL L/240 TL Douglas-fir

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Limit States 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 | Unfactored Load (LL) | 365 | 703 | 1517 | 2905 | 3113 | - | - | - | - | - | - | - | - |
| | Unfactored Load (TL) | 543 | 1049 | 2269 | - | - | - | - | - | - | - | - | - | - |
| | Total Factored Load | 1204 | 1851 | 2600 | 3504 | 3624 | 4515 | 4856 | 6118 | 7475 | 9034 | 10843 | 12967 | 15495 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3.6 | 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 | Unfactored Load (LL) | 158 | 307 | 680 | 1345 | 1447 | 2282 | 2632 | 4015 | - | - | - | - | - |
| | Unfactored Load (TL) | 232 | 456 | 1013 | 2008 | 2161 | - | - | - | - | - | - | - | - |
| | Total Factored Load | 675 | 1038 | 1746 | 2465 | 2544 | 3122 | 3338 | 4118 | 4921 | 5800 | 6768 | 7838 | 9027 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.8 / 4.6 | 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 | Unfactored Load (LL) | 82 | 160 | 359 | 721 | 777 | 1247 | 1447 | 2256 | 3198 | - | - | - | - |
| | Unfactored Load (TL) | 118 | 235 | 531 | 1073 | 1157 | 1860 | 2159 | - | - | - | - | - | - |
| | Total Factored Load | 430 | 662 | 1114 | 1762 | 1852 | 2384 | 2541 | 3101 | 3665 | 4269 | 4916 | 5613 | 6364 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 2.3 / 5.8 | 2.4 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | 4.8 / 12 | 5.6 / 14 | 6.5 / 16.2 | 7.4 / 18.4 | 8.4 / 20.9 |
| 12 | Unfactored Load (LL) | 47 | 94 | 211 | 428 | 462 | 749 | 872 | 1378 | 1980 | 2705 | 3549 | - | - |
| | Unfactored Load (TL) | 67 | 135 | 310 | 634 | 685 | 1113 | 1297 | 2054 | - | - | - | - | - |
| | Total Factored Load | 297 | 458 | 771 | 1220 | 1283 | 1764 | 1952 | 2486 | 2918 | 3375 | 3858 | 4369 | 4911 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.9 / 4.8 | 2 / 5.1 | 2.8 / 7 | 3.1 / 7.7 | 3.9 / 9.8 | 4.6 / 11.5 | 5.3 / 13.3 | 6.1 / 15.2 | 6.9 / 17.2 | 7.8 / 19.4 |
| 14 | Unfactored Load (LL) | 30 | 59 | 134 | 274 | 296 | 482 | 563 | 898 | 1302 | 1796 | 2379 | 3052 | 3812 |
| | Unfactored Load (TL) | 41 | 84 | 195 | 402 | 435 | 713 | 834 | 1334 | 1938 | 2677 | - | - | - |
| | Total Factored Load | 217 | 335 | 564 | 894 | 940 | 1292 | 1431 | 1951 | 2423 | 2789 | 3173 | 3575 | 3997 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.1 | 1.7 / 4.4 | 2.4 / 6 | 2.6 / 6.6 | 3.6 / 9 | 4.5 / 11.2 | 5.1 / 12.9 | 5.9 / 14.6 | 6.6 / 16.5 | 7.4 / 18.4 |
| 16 | Unfactored Load (LL) | 20 | 40 | 90 | 185 | 200 | 328 | 384 | 616 | 898 | 1247 | 1664 | 2150 | 2705 |
| | Unfactored Load (TL) | 26 | 55 | 129 | 270 | 292 | 482 | 565 | 910 | 1332 | 1853 | 2477 | - | - |
| | Total Factored Load | 165 | 255 | 430 | 682 | 717 | 986 | 1092 | 1490 | 1916 | 2376 | 2693 | 3024 | 3368 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.6 | 1.5 / 3.8 | 2.1 / 5.2 | 2.3 / 5.8 | 3.2 / 7.9 | 4 / 10.1 | 5 / 12.5 | 5.7 / 14.2 | 6.4 / 16 | 7.1 / 17.8 |
| 18 | Unfactored Load (LL) | 14 | 28 | 64 | 131 | 142 | 233 | 273 | 439 | 644 | 898 | 1205 | 1565 | 1980 |
| | Unfactored Load (TL) | 17 | 37 | 89 | 188 | 204 | 339 | 398 | 646 | 951 | 1330 | 1788 | 2327 | - |
| | Total Factored Load | 129 | 200 | 338 | 536 | 564 | 777 | 860 | 1174 | 1510 | 1885 | 2299 | 2619 | 2909 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.4 | 1.9 / 4.6 | 2.1 / 5.1 | 2.8 / 7 | 3.6 / 9 | 4.5 / 11.2 | 5.5 / 13.7 | 6.2 / 15.6 | 6.9 / 17.3 |
| 20 | Unfactored Load (LL) | 10 | 21 | 47 | 96 | 104 | 171 | 200 | 324 | 476 | 667 | 898 | 1172 | 1489 |
| | Unfactored Load (TL) | 11 | 26 | 63 | 136 | 147 | 246 | 290 | 473 | 700 | 984 | 1329 | 1737 | 2211 |
| | Total Factored Load | 104 | 161 | 272 | 432 | 455 | 627 | 694 | 948 | 1219 | 1523 | 1858 | 2224 | 2559 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.2 | 1.9 / 4.6 | 2.5 / 6.3 | 3.2 / 8.1 | 4 / 10.1 | 4.9 / 12.3 | 5.9 / 14.7 | 6.8 / 16.9 |
| 22 | Unfactored Load (LL) | 8 | 15 | 35 | 73 | 78 | 129 | 152 | 246 | 362 | 508 | 686 | 898 | 1145 |
| | Unfactored Load (TL) | 8 | 18 | 46 | 100 | 109 | 184 | 216 | 355 | 528 | 745 | 1011 | 1327 | 1695 |
| | Total Factored Load | 85 | 132 | 224 | 356 | 374 | 516 | 571 | 780 | 1005 | 1255 | 1532 | 1833 | 2161 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.8 | 1.7 / 4.2 | 2.3 / 5.7 | 2.9 / 7.4 | 3.7 / 9.2 | 4.5 / 11.2 | 5.3 / 13.4 | 6.3 / 15.7 |
| 24 | Unfactored Load (LL) | 6 | 12 | 27 | 56 | 61 | 100 | 117 | 190 | 281 | 396 | 535 | 703 | 898 |
| | Unfactored Load (TL) | 5 | 13 | 34 | 75 | 82 | 140 | 165 | 273 | 407 | 577 | 785 | 1033 | 1325 |
| | Total Factored Load | 71 | 110 | 187 | 297 | 313 | 431 | 478 | 653 | 841 | 1051 | 1283 | 1537 | 1811 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.5 / 3.9 | 2.1 / 5.3 | 2.7 / 6.7 | 3.4 / 8.4 | 4.1 / 10.3 | 4.9 / 12.3 | 5.8 / 14.4 |
| 26 | Unfactored Load (LL) | | 9 | 21 | 44 | 48 | 79 | 93 | 151 | 223 | 314 | 426 | 559 | 717 |
| | Unfactored Load (TL) | | 9 | 25 | 58 | 63 | 108 | 128 | 213 | 319 | 454 | 620 | 819 | 1053 |
| | Total Factored Load | | 93 | 158 | 252 | 265 | 365 | 405 | 554 | 714 | 893 | 1090 | 1305 | 1539 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.6 | 1.9 / 4.8 | 2.5 / 6.2 | 3.1 / 7.8 | 3.8 / 9.5 | 4.5 / 11.3 | 5.3 / 13.3 |
| 28 | Unfactored Load (LL) | | 8 | 17 | 35 | 38 | 63 | 74 | 121 | 179 | 253 | 343 | 452 | 580 |
| | Unfactored Load (TL) | | 6 | 19 | 45 | 49 | 85 | 101 | 169 | 254 | 363 | 497 | 658 | 848 |
| | Total Factored Load | | 79 | 135 | 215 | 227 | 313 | 347 | 476 | 613 | 767 | 937 | 1122 | 1323 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.8 / 4.5 | 2.3 / 5.8 | 2.9 / 7.2 | 3.5 / 8.8 | 4.2 / 10.5 | 4.9 / 12.4 |
| 30 | Unfactored Load (LL) | | | 14 | 29 | 31 | 52 | 61 | 99 | 146 | 207 | 281 | 371 | 476 |
| | Unfactored Load (TL) | | | 14 | 35 | 38 | 67 | 80 | 135 | 205 | 293 | 403 | 536 | 692 |
| | Total Factored Load | | | 116 | 186 | 196 | 271 | 301 | 412 | 532 | 665 | 813 | 974 | 1149 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.7 / 4.2 | 2.2 / 5.4 | 2.7 / 6.7 | 3.3 / 8.2 | 3.9 / 9.8 | 4.6 / 11.5 |
| 32 | Unfactored Load (LL) | | | 11 | 24 | 26 | 43 | 50 | 82 | 121 | 171 | 233 | 307 | 396 |
| | Unfactored Load (TL) | | | 11 | 27 | 30 | 54 | 64 | 109 | 167 | 240 | 331 | 441 | 571 |
| | Total Factored Load | | | 101 | 162 | 171 | 237 | 263 | 360 | 465 | 582 | 712 | 853 | 1007 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.6 / 3.9 | 2 / 5.1 | 2.5 / 6.3 | 3.1 / 7.7 | 3.7 / 9.2 | 4.3 / 10.8 |
| 34 | Unfactored Load (LL) | | | 10 | 20 | 22 | 36 | 42 | 68 | 101 | 143 | 195 | 258 | 332 |
| | Unfactored Load (TL) | | | 8 | 21 | 23 | 43 | 52 | 89 | 137 | 198 | 274 | 366 | 476 |
| | Total Factored Load | | | 89 | 143 | 150 | 208 | 231 | 317 | 410 | 513 | 628 | 753 | 888 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 1.9 / 4.8 | 2.4 / 5.9 | 2.9 / 7.2 | 3.5 / 8.7 | 4.1 / 10.2 |
| 36 | Unfactored Load (LL) | | | 8 | 17 | 18 | 30 | 35 | 58 | 85 | 121 | 165 | 218 | 281 |
| | Unfactored Load (TL) | | | 5 | 17 | 18 | 35 | 42 | 73 | 113 | 165 | 229 | 307 | 400 |
| | Total Factored Load | | | 78 | 126 | 133 | 184 | 205 | 281 | 364 | 456 | 558 | 669 | 790 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.8 / 4.5 | 2.2 / 5.6 | 2.7 / 6.8 | 3.3 / 8.2 | 3.8 / 9.6 |
| 38 | Unfactored Load (LL) | | | | 14 | 15 | 26 | 30 | 49 | 73 | 103 | 141 | 186 | 240 |
| | Unfactored Load (TL) | | | | 13 | 14 | 28 | 34 | 61 | 94 | 138 | 193 | 259 | 338 |
| | Total Factored Load | | | | 112 | 118 | 164 | 182 | 251 | 324 | 407 | 498 | 598 | 706 |
| | Min. end / Int. bearing | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.7 / 4.3 | 2.1 / 5.3 | 2.6 / 6.5 | 3.1 / 7.7 | 3.6 / 9.1 |
| 40 | Unfactored Load (LL) | | | | 12 | 13 | 22 | 26 | 42 | 63 | 89 | 121 | 160 | 207 |
| | Unfactored Load (TL) | | | | 10 | 11 | 22 | 28 | 50 | 79 | 116 | 163 | 220 | 288 |
| | Total Factored Load | | | | 100 | 105 | 147 | 163 | 225 | 291 | 365 | 447 | 537 | 634 |
| | Min. end / Int. bearing | | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.6 / 4 | 2 / 5 | 2.5 / 6.2 | 2.9 / 7.4 | 3.5 / 8.7 |

- Notes:**
- The values shown are the maximum uniform unfactored and factored loads in pounds per linear foot that can be applied to the beam. The weight of the beam has been deducted from the Total Unfactored Load (LL) and Total Factored Load.
 - Bearing lengths are in inches based on the compression perpendicular to grain resistance of the LVL beam. For bearing on other wood materials, the bearing resistance of the supporting material should be checked.
 - The tabulated values are for simple span or for continuous span beams.
 - Design span is the clear span between supports plus one half of the required bearing at each end.
 - The table is for standard term loading and dry service conditions.
 - Lateral support at points of bearing and continuous lateral support for top of beam must be provided to prevent rotation or lateral displacement.
 - Calculations have been carried out in accordance with CSA O86-14.
 - 1-1/2" thick LVL members 14" and deeper and 1-3/4" thick LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional.
 - 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.

Directions for use of Table:

- Determine the total factored load, unfactored live load and unfactored total load.
- Choose a span that meets or exceeds the actual design span (centre to centre of bearing).
- Scan from left to right within the span row to find a cell where: the L/360 (LL) load exceeds the unfactored live load; the L/240 (TL) load exceeds the unfactored total load; the factored total load resistance exceeds the factored total load. All four rows including minimum bearing must be checked. Where no unfactored loads are shown, total factored load will govern.
- If the selected beam is too deep or the bearing length is too long, resize the beam using a wider member.
- For an L/480 live load deflection limit, multiply the tabulated L/360 (LL) loads by 0.75. For an L/180 total load limit, multiply the tabulated L/240 (TL) loads by 1.33.

3-Ply, 1.75" 2.3E true RigidLam LVL - Standard Term - Floor/Roof (PLF) L/360 LL L/240 TL Douglas-fir

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Limit States 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 | Unfactored Load (LL) | 122 | 240 | 538 | 1081 | 1166 | 1870 | 2170 | 3383 | 4796 | - | - | - | - |
| | Unfactored Load (TL) | 177 | 353 | 797 | 1609 | 1736 | 2790 | 3238 | - | - | - | - | - | - |
| | Total Factored Load | 646 | 994 | 1671 | 2643 | 2778 | 3576 | 3812 | 4652 | 5497 | 6403 | 7374 | 8419 | 9546 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 2.3 / 5.8 | 2.4 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | 4.8 / 12 | 5.6 / 14 | 6.5 / 16.2 | 7.4 / 18.4 | 8.4 / 20.9 |
| 12 | Unfactored Load (LL) | 71 | 140 | 316 | 642 | 693 | 1123 | 1308 | 2067 | 2970 | 4057 | 5324 | - | - |
| | Unfactored Load (TL) | 101 | 203 | 465 | 950 | 1027 | 1669 | 1946 | 3081 | - | - | - | - | - |
| | Total Factored Load | 446 | 687 | 1157 | 1830 | 1924 | 2645 | 2929 | 3729 | 4378 | 5062 | 5787 | 6554 | 7367 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.9 / 4.8 | 2 / 5.1 | 2.8 / 7 | 3.1 / 7.7 | 3.9 / 9.8 | 4.6 / 11.5 | 5.3 / 13.3 | 6.1 / 15.2 | 6.9 / 17.2 | 7.8 / 19.4 |
| 14 | Unfactored Load (LL) | 45 | 89 | 201 | 411 | 444 | 724 | 845 | 1347 | 1953 | 2693 | 3569 | 4579 | 5718 |
| | Unfactored Load (TL) | 61 | 126 | 292 | 603 | 653 | 1070 | 1251 | 2001 | 2908 | 4015 | - | - | - |
| | Total Factored Load | 326 | 502 | 846 | 1340 | 1410 | 1938 | 2146 | 2926 | 3635 | 4184 | 4759 | 5362 | 5995 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.1 | 1.7 / 4.4 | 2.4 / 6 | 2.6 / 6.6 | 3.6 / 9 | 4.5 / 11.2 | 5.1 / 12.9 | 5.9 / 14.6 | 6.6 / 16.5 | 7.4 / 18.4 |
| 16 | Unfactored Load (LL) | 30 | 60 | 136 | 278 | 301 | 492 | 576 | 923 | 1347 | 1870 | 2496 | 3225 | 4057 |
| | Unfactored Load (TL) | 39 | 82 | 194 | 404 | 438 | 723 | 847 | 1366 | 1998 | 2780 | 3716 | - | - |
| | Total Factored Load | 248 | 382 | 645 | 1022 | 1075 | 1480 | 1638 | 2235 | 2874 | 3564 | 4040 | 4536 | 5052 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.6 | 1.5 / 3.8 | 2.1 / 5.2 | 2.3 / 5.8 | 3.2 / 7.9 | 4 / 10.1 | 5 / 12.5 | 5.7 / 14.2 | 6.4 / 16 | 7.1 / 17.8 |
| 18 | Unfactored Load (LL) | 21 | 42 | 96 | 197 | 213 | 349 | 409 | 659 | 966 | 1347 | 1807 | 2348 | 2970 |
| | Unfactored Load (TL) | 26 | 56 | 134 | 282 | 306 | 509 | 597 | 969 | 1426 | 1996 | 2683 | 3491 | - |
| | Total Factored Load | 194 | 300 | 507 | 805 | 846 | 1165 | 1290 | 1761 | 2265 | 2828 | 3449 | 3929 | 4364 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.4 | 1.9 / 4.6 | 2.1 / 5.1 | 2.8 / 7 | 3.6 / 9 | 4.5 / 11.2 | 5.5 / 13.7 | 6.2 / 15.6 | 6.9 / 17.3 |
| 20 | Unfactored Load (LL) | 16 | 31 | 70 | 144 | 156 | 257 | 301 | 486 | 714 | 1000 | 1347 | 1757 | 2233 |
| | Unfactored Load (TL) | 17 | 39 | 95 | 203 | 221 | 369 | 435 | 709 | 1050 | 1476 | 1993 | 2606 | 3316 |
| | Total Factored Load | 156 | 241 | 408 | 649 | 682 | 940 | 1041 | 1421 | 1829 | 2285 | 2787 | 3336 | 3839 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.2 | 1.9 / 4.6 | 2.5 / 6.3 | 3.2 / 8.1 | 4 / 10.1 | 4.9 / 12.3 | 5.9 / 14.7 | 6.8 / 16.9 |
| 22 | Unfactored Load (LL) | 12 | 23 | 53 | 109 | 118 | 194 | 227 | 368 | 543 | 762 | 1029 | 1347 | 1717 |
| | Unfactored Load (TL) | 11 | 27 | 69 | 150 | 163 | 275 | 325 | 533 | 792 | 1118 | 1516 | 1990 | 2543 |
| | Total Factored Load | 127 | 198 | 335 | 533 | 561 | 773 | 857 | 1171 | 1507 | 1883 | 2297 | 2750 | 3241 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.8 | 1.7 / 4.2 | 2.3 / 5.7 | 2.9 / 7.4 | 3.7 / 9.2 | 4.5 / 11.2 | 5.3 / 13.4 | 6.3 / 15.7 |
| 24 | Unfactored Load (LL) | 9 | 18 | 41 | 84 | 91 | 150 | 176 | 286 | 422 | 593 | 803 | 1054 | 1347 |
| | Unfactored Load (TL) | 7 | 19 | 51 | 113 | 123 | 209 | 248 | 409 | 610 | 865 | 1177 | 1550 | 1987 |
| | Total Factored Load | 106 | 165 | 280 | 446 | 469 | 647 | 717 | 980 | 1262 | 1577 | 1925 | 2305 | 2717 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.5 / 3.9 | 2.1 / 5.3 | 2.7 / 6.7 | 3.4 / 8.4 | 4.1 / 10.3 | 4.9 / 12.3 | 5.8 / 14.4 |
| 26 | Unfactored Load (LL) | 7 | 14 | 32 | 66 | 72 | 118 | 139 | 226 | 334 | 471 | 638 | 839 | 1075 |
| | Unfactored Load (TL) | 5 | 13 | 38 | 87 | 94 | 162 | 192 | 319 | 479 | 681 | 930 | 1228 | 1579 |
| | Total Factored Load | 89 | 139 | 237 | 377 | 397 | 548 | 608 | 831 | 1071 | 1339 | 1635 | 1958 | 2309 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.6 | 1.9 / 4.8 | 2.5 / 6.2 | 3.1 / 7.8 | 3.8 / 9.5 | 4.5 / 11.3 | 5.3 / 13.3 |
| 28 | Unfactored Load (LL) | 6 | 11 | 26 | 53 | 58 | 95 | 112 | 182 | 269 | 379 | 515 | 678 | 871 |
| | Unfactored Load (TL) | 2 | 9 | 28 | 67 | 73 | 127 | 151 | 253 | 381 | 544 | 745 | 987 | 1273 |
| | Total Factored Load | 76 | 118 | 202 | 323 | 340 | 470 | 521 | 713 | 920 | 1150 | 1405 | 1683 | 1985 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.8 / 4.5 | 2.3 / 5.8 | 2.9 / 7.2 | 3.5 / 8.8 | 4.2 / 10.5 | 4.9 / 12.4 |
| 30 | Unfactored Load (LL) | | 9 | 21 | 43 | 47 | 77 | 91 | 148 | 219 | 310 | 422 | 556 | 714 |
| | Unfactored Load (TL) | | 6 | 21 | 52 | 57 | 101 | 120 | 203 | 307 | 440 | 605 | 804 | 1038 |
| | Total Factored Load | | 102 | 175 | 279 | 294 | 407 | 451 | 618 | 798 | 998 | 1219 | 1461 | 1724 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.7 / 4.2 | 2.2 / 5.4 | 2.7 / 6.7 | 3.3 / 8.2 | 3.9 / 9.8 | 4.6 / 11.5 |
| 32 | Unfactored Load (LL) | | 8 | 17 | 36 | 39 | 64 | 75 | 122 | 182 | 257 | 349 | 461 | 593 |
| | Unfactored Load (TL) | | 4 | 16 | 41 | 45 | 80 | 96 | 164 | 250 | 360 | 496 | 661 | 857 |
| | Total Factored Load | | 88 | 152 | 244 | 256 | 355 | 394 | 540 | 698 | 873 | 1068 | 1280 | 1510 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.6 / 3.9 | 2 / 5.1 | 2.5 / 6.3 | 3.1 / 7.7 | 3.7 / 9.2 | 4.3 / 10.8 |
| 34 | Unfactored Load (LL) | | 6 | 14 | 30 | 32 | 53 | 63 | 102 | 152 | 215 | 293 | 387 | 498 |
| | Unfactored Load (TL) | | 2 | 12 | 32 | 35 | 64 | 78 | 134 | 205 | 297 | 411 | 549 | 714 |
| | Total Factored Load | | 77 | 133 | 214 | 225 | 312 | 347 | 476 | 615 | 770 | 942 | 1129 | 1333 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 1.9 / 4.8 | 2.4 / 5.9 | 2.9 / 7.2 | 3.5 / 8.7 | 4.1 / 10.2 |
| 36 | Unfactored Load (LL) | | | 12 | 25 | 27 | 45 | 53 | 86 | 128 | 182 | 247 | 327 | 422 |
| | Unfactored Load (TL) | | | 8 | 25 | 28 | 52 | 63 | 110 | 170 | 247 | 343 | 460 | 599 |
| | Total Factored Load | | | 117 | 189 | 199 | 277 | 307 | 422 | 545 | 684 | 836 | 1003 | 1184 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.8 / 4.5 | 2.2 / 5.6 | 2.7 / 6.8 | 3.3 / 8.2 | 3.8 / 9.6 |
| 38 | Unfactored Load (LL) | | | 10 | 21 | 23 | 38 | 45 | 73 | 109 | 155 | 211 | 279 | 360 |
| | Unfactored Load (TL) | | | 5 | 19 | 22 | 42 | 51 | 91 | 142 | 207 | 289 | 388 | 507 |
| | Total Factored Load | | | 104 | 168 | 177 | 246 | 274 | 376 | 487 | 610 | 747 | 896 | 1059 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.7 / 4.3 | 2.1 / 5.3 | 2.6 / 6.5 | 3.1 / 7.7 | 3.6 / 9.1 |
| 40 | Unfactored Load (LL) | | | 9 | 18 | 20 | 33 | 39 | 63 | 94 | 133 | 182 | 240 | 310 |
| | Unfactored Load (TL) | | | 3 | 15 | 17 | 34 | 42 | 75 | 119 | 175 | 245 | 330 | 432 |
| | Total Factored Load | | | 93 | 150 | 158 | 220 | 245 | 337 | 437 | 548 | 671 | 805 | 951 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.6 / 4 | 2 / 5 | 2.5 / 6.2 | 2.9 / 7.4 | 3.5 / 8.7 |
| 42 | Unfactored Load (LL) | | | 8 | 16 | 17 | 28 | 33 | 55 | 81 | 115 | 157 | 208 | 269 |
| | Unfactored Load (TL) | | | 1 | 11 | 13 | 27 | 34 | 62 | 100 | 148 | 208 | 282 | 370 |
| | Total Factored Load | | | 83 | 135 | 142 | 198 | 220 | 304 | 393 | 494 | 605 | 727 | 859 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.9 | 1.9 / 4.8 | 2.3 / 5.9 | 2.8 / 7 | 3.3 / 8.2 |
| 44 | Unfactored Load (LL) | | | 7 | 14 | 15 | 25 | 29 | 48 | 71 | 100 | 137 | 182 | 234 |
| | Unfactored Load (TL) | | | 0 | 8 | 9 | 22 | 27 | 52 | 84 | 125 | 178 | 242 | 318 |
| | Total Factored Load | | | 74 | 121 | 128 | 179 | 199 | 274 | 356 | 447 | 548 | 659 | 779 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 1.8 / 4.6 | 2.2 / 5.6 | 2.7 / 6.7 | 3.1 / 7.9 |

- Notes:**
- The values shown are the maximum uniform unfactored and factored loads in pounds per linear foot that can be applied to the beam. The weight of the beam has been deducted from the Total Unfactored Load (TL) and Total Factored Load.
 - Bearing lengths are in inches based on the compression perpendicular to grain resistance of the LVL beam. For bearing on other wood materials, the bearing resistance of the supporting material should be checked.
 - The tabulated values are for simple span or for continuous span beams.
 - Design span is the clear span between supports plus one half of the required bearing at each end.
 - The table is for standard term loading and dry service conditions.
 - Lateral support at points of bearing and continuous lateral support for top of beam must be provided to prevent rotation or lateral displacement.
 - Calculations have been carried out in accordance with CSA O86-14.
 - 1-1/2" thick LVL members 14" and deeper and 1-3/4" thick LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional.
 - 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.

- Directions for use of Table:**
- Determine the total factored load, unfactored live load and unfactored total load.
 - Choose a span that meets or exceeds the actual design span (centre to centre of bearing).
 - Scan from left to right within the span row to find a cell where: the L/360 (LL) load exceeds the unfactored live load; the L/240 (TL) load exceeds the unfactored total load; the factored total load resistance exceeds the factored total load. All four rows including minimum bearing must be checked. Where no unfactored loads are shown, total factored load will govern.
 - If the selected beam is too deep or the bearing length is too long, resize the beam using a wider member.
 - For an L/480 live load deflection limit, multiply the tabulated L/360 (LL) loads by 0.75. For an L/180 total load limit, multiply the tabulated L/240 (TL) loads by 1.33.

4-Ply, 1.75" 2.3E true RigidLam LVL - Standard Term - Floor/Roof (PLF) L/360 LL L/240 TL Douglas-fir

ALLOWABLE UNIFORM LOAD - POUNDS PER LINEAL FOOT (Limit States 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 | Unfactored Load (LL) | 163 | 320 | 717 | 1442 | 1555 | 2493 | 2893 | 4511 | 6395 | - | - | - | - |
| | Unfactored Load (TL) | 237 | 470 | 1062 | 2145 | 2314 | 3719 | 4318 | - | - | - | - | - | - |
| | Total Factored Load | 861 | 1325 | 2228 | 3523 | 3705 | 4768 | 5083 | 6202 | 7330 | 8537 | 9832 | 11225 | 12728 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 2.3 / 5.8 | 2.4 / 6.1 | 3.1 / 7.8 | 3.3 / 8.4 | 4.1 / 10.2 | 4.8 / 12 | 5.6 / 14 | 6.5 / 16.2 | 7.4 / 18.4 | 8.4 / 20.9 |
| 12 | Unfactored Load (LL) | 95 | 187 | 422 | 856 | 924 | 1497 | 1744 | 2756 | 3960 | 5410 | 7099 | - | - |
| | Unfactored Load (TL) | 134 | 271 | 619 | 1267 | 1369 | 2225 | 2594 | 4108 | - | - | - | - | - |
| | Total Factored Load | 595 | 916 | 1542 | 2440 | 2566 | 3527 | 3905 | 4972 | 5837 | 6750 | 7715 | 8738 | 9823 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.9 / 4.8 | 2 / 5.1 | 2.8 / 7 | 3.1 / 7.7 | 3.9 / 9.8 | 4.6 / 11.5 | 5.3 / 13.3 | 6.1 / 15.2 | 6.9 / 17.2 | 7.8 / 19.4 |
| 14 | Unfactored Load (LL) | 60 | 119 | 268 | 548 | 592 | 965 | 1127 | 1796 | 2604 | 3591 | 4759 | 6105 | 7624 |
| | Unfactored Load (TL) | 82 | 168 | 389 | 805 | 870 | 1427 | 1668 | 2668 | 3877 | 5354 | - | - | - |
| | Total Factored Load | 434 | 670 | 1129 | 1787 | 1879 | 2585 | 2862 | 3901 | 4847 | 5579 | 6346 | 7150 | 7994 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.1 | 1.7 / 4.4 | 2.4 / 6 | 2.6 / 6.6 | 3.6 / 9 | 4.5 / 11.2 | 5.1 / 12.9 | 5.9 / 14.6 | 6.6 / 16.5 | 7.4 / 18.4 |
| 16 | Unfactored Load (LL) | 40 | 80 | 181 | 371 | 401 | 656 | 768 | 1231 | 1796 | 2493 | 3328 | 4300 | 5410 |
| | Unfactored Load (TL) | 52 | 109 | 258 | 539 | 584 | 964 | 1129 | 1821 | 2665 | 3707 | 4954 | - | - |
| | Total Factored Load | 330 | 510 | 860 | 1363 | 1434 | 1973 | 2185 | 2979 | 3832 | 4752 | 5387 | 6048 | 6736 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.6 | 1.5 / 3.8 | 2.1 / 5.2 | 2.3 / 5.8 | 3.2 / 7.9 | 4 / 10.1 | 5 / 12.5 | 5.7 / 14.2 | 6.4 / 16 | 7.1 / 17.8 |
| 18 | Unfactored Load (LL) | 28 | 56 | 128 | 262 | 284 | 466 | 545 | 879 | 1287 | 1796 | 2409 | 3130 | 3960 |
| | Unfactored Load (TL) | 34 | 74 | 178 | 376 | 408 | 678 | 796 | 1292 | 1902 | 2661 | 3577 | 4655 | - |
| | Total Factored Load | 259 | 400 | 676 | 1073 | 1128 | 1553 | 1720 | 2347 | 3020 | 3771 | 4599 | 5238 | 5818 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.4 | 1.9 / 4.6 | 2.1 / 5.1 | 2.8 / 7 | 3.6 / 9 | 4.5 / 11.2 | 5.5 / 13.7 | 6.2 / 15.6 | 6.9 / 17.3 |
| 20 | Unfactored Load (LL) | 21 | 41 | 93 | 192 | 208 | 342 | 401 | 648 | 953 | 1334 | 1796 | 2343 | 2977 |
| | Unfactored Load (TL) | 23 | 51 | 127 | 271 | 294 | 493 | 580 | 946 | 1399 | 1967 | 2657 | 3474 | 4422 |
| | Total Factored Load | 208 | 322 | 544 | 865 | 910 | 1253 | 1388 | 1895 | 2439 | 3046 | 3716 | 4448 | 5119 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.7 / 4.2 | 1.9 / 4.6 | 2.5 / 6.3 | 3.2 / 8.1 | 4 / 10.1 | 4.9 / 12.3 | 5.9 / 14.7 | 6.8 / 16.9 |
| 22 | Unfactored Load (LL) | 16 | 31 | 70 | 145 | 157 | 259 | 303 | 491 | 724 | 1016 | 1372 | 1796 | 2290 |
| | Unfactored Load (TL) | 15 | 36 | 92 | 200 | 218 | 367 | 433 | 711 | 1056 | 1491 | 2022 | 2653 | 3390 |
| | Total Factored Load | 170 | 264 | 447 | 711 | 748 | 1031 | 1143 | 1561 | 2009 | 2510 | 3063 | 3667 | 4321 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.8 | 1.7 / 4.2 | 2.3 / 5.7 | 2.9 / 7.4 | 3.7 / 9.2 | 4.5 / 11.2 | 5.3 / 13.4 | 6.3 / 15.7 |
| 24 | Unfactored Load (LL) | 12 | 24 | 54 | 112 | 121 | 200 | 235 | 381 | 562 | 791 | 1071 | 1405 | 1796 |
| | Unfactored Load (TL) | 10 | 26 | 68 | 151 | 164 | 279 | 330 | 545 | 814 | 1153 | 1569 | 2067 | 2650 |
| | Total Factored Load | 141 | 219 | 373 | 594 | 625 | 862 | 956 | 1306 | 1682 | 2103 | 2566 | 3073 | 3622 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.5 / 3.9 | 2.1 / 5.3 | 2.7 / 6.7 | 3.4 / 8.4 | 4.1 / 10.3 | 4.9 / 12.3 | 5.8 / 14.4 |
| 26 | Unfactored Load (LL) | 9 | 19 | 43 | 88 | 96 | 158 | 185 | 301 | 445 | 627 | 851 | 1119 | 1433 |
| | Unfactored Load (TL) | 6 | 18 | 51 | 115 | 126 | 216 | 256 | 426 | 638 | 908 | 1240 | 1637 | 2105 |
| | Total Factored Load | 119 | 185 | 315 | 503 | 529 | 731 | 810 | 1108 | 1428 | 1786 | 2180 | 2611 | 3078 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.5 / 3.6 | 1.9 / 4.8 | 2.5 / 6.2 | 3.1 / 7.8 | 3.8 / 9.5 | 4.5 / 11.3 | 5.3 / 13.3 |
| 28 | Unfactored Load (LL) | 8 | 15 | 34 | 71 | 77 | 127 | 149 | 242 | 358 | 506 | 687 | 905 | 1161 |
| | Unfactored Load (TL) | 3 | 12 | 38 | 89 | 97 | 169 | 201 | 337 | 508 | 725 | 994 | 1316 | 1697 |
| | Total Factored Load | 101 | 158 | 270 | 431 | 453 | 627 | 695 | 951 | 1226 | 1534 | 1873 | 2244 | 2646 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.8 / 4.5 | 2.3 / 5.8 | 2.9 / 7.2 | 3.5 / 8.8 | 4.2 / 10.5 | 4.9 / 12.4 |
| 30 | Unfactored Load (LL) | 6 | 12 | 28 | 58 | 62 | 103 | 121 | 197 | 293 | 413 | 562 | 741 | 953 |
| | Unfactored Load (TL) | 1 | 8 | 28 | 69 | 76 | 134 | 160 | 270 | 409 | 587 | 806 | 1071 | 1385 |
| | Total Factored Load | 87 | 136 | 233 | 373 | 392 | 543 | 602 | 824 | 1063 | 1331 | 1626 | 1948 | 2298 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.1 | 1.7 / 4.2 | 2.2 / 5.4 | 2.7 / 6.7 | 3.3 / 8.2 | 3.9 / 9.8 | 4.6 / 11.5 |
| 32 | Unfactored Load (LL) | 5 | 10 | 23 | 48 | 52 | 85 | 100 | 163 | 242 | 342 | 466 | 615 | 791 |
| | Unfactored Load (TL) | 0 | 5 | 21 | 54 | 60 | 107 | 128 | 219 | 333 | 480 | 662 | 882 | 1142 |
| | Total Factored Load | 75 | 118 | 202 | 325 | 342 | 474 | 526 | 721 | 930 | 1165 | 1423 | 1706 | 2013 |
| | Min. end / Int. bearing | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.6 / 3.9 | 2 / 5.1 | 2.5 / 6.3 | 3.1 / 7.7 | 3.7 / 9.2 | 4.3 / 10.8 |
| 34 | Unfactored Load (LL) | | 8 | 19 | 40 | 43 | 71 | 84 | 136 | 202 | 286 | 390 | 515 | 664 |
| | Unfactored Load (TL) | | 2 | 15 | 42 | 47 | 86 | 103 | 179 | 274 | 396 | 548 | 733 | 951 |
| | Total Factored Load | | 103 | 177 | 285 | 300 | 417 | 462 | 635 | 820 | 1027 | 1256 | 1506 | 1777 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 1.9 / 4.8 | 2.4 / 5.9 | 2.9 / 7.2 | 3.5 / 8.7 | 4.1 / 10.2 |
| 36 | Unfactored Load (LL) | | 7 | 16 | 33 | 36 | 60 | 71 | 115 | 171 | 242 | 330 | 436 | 562 |
| | Unfactored Load (TL) | | 0 | 11 | 33 | 37 | 69 | 84 | 147 | 227 | 330 | 458 | 614 | 799 |
| | Total Factored Load | | 90 | 156 | 252 | 266 | 369 | 410 | 563 | 727 | 911 | 1115 | 1338 | 1579 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.5 | 1.8 / 4.5 | 2.2 / 5.6 | 2.7 / 6.8 | 3.3 / 8.2 | 3.8 / 9.6 |
| 38 | Unfactored Load (LL) | | 6 | 14 | 28 | 31 | 51 | 60 | 98 | 146 | 206 | 281 | 372 | 480 |
| | Unfactored Load (TL) | | -1 | 7 | 26 | 29 | 56 | 68 | 121 | 189 | 276 | 385 | 518 | 676 |
| | Total Factored Load | | 80 | 139 | 224 | 236 | 328 | 365 | 502 | 649 | 814 | 996 | 1195 | 1411 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.3 | 1.7 / 4.3 | 2.1 / 5.3 | 2.6 / 6.5 | 3.1 / 7.7 | 3.6 / 9.1 |
| 40 | Unfactored Load (LL) | | 5 | 12 | 24 | 26 | 44 | 52 | 84 | 125 | 177 | 242 | 320 | 413 |
| | Unfactored Load (TL) | | -2 | 4 | 20 | 22 | 45 | 55 | 100 | 158 | 233 | 326 | 440 | 576 |
| | Total Factored Load | | 71 | 124 | 200 | 211 | 294 | 326 | 450 | 582 | 730 | 894 | 1074 | 1268 |
| | Min. end / Int. bearing | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.2 | 1.6 / 4 | 2 / 5 | 2.5 / 6.2 | 2.9 / 7.4 | 3.5 / 8.7 |
| 42 | Unfactored Load (LL) | | | 10 | 21 | 23 | 38 | 45 | 73 | 108 | 153 | 210 | 278 | 358 |
| | Unfactored Load (TL) | | | 2 | 15 | 17 | 36 | 45 | 83 | 133 | 197 | 277 | 376 | 493 |
| | Total Factored Load | | | 111 | 180 | 189 | 264 | 294 | 405 | 524 | 659 | 807 | 969 | 1145 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.9 | 1.9 / 4.8 | 2.3 / 5.9 | 2.8 / 7 | 3.3 / 8.2 |
| 44 | Unfactored Load (LL) | | | 9 | 18 | 20 | 33 | 39 | 63 | 94 | 134 | 183 | 242 | 313 |
| | Unfactored Load (TL) | | | 0 | 10 | 12 | 29 | 36 | 69 | 112 | 167 | 237 | 322 | 425 |
| | Total Factored Load | | | 99 | 162 | 171 | 238 | 265 | 366 | 475 | 596 | 731 | 879 | 1039 |
| | Min. end / Int. bearing | | | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3.7 | 1.8 / 4.6 | 2.2 / 5.6 | 2.7 / 6.7 | 3.1 / 7.9 |

- Notes:**
- The values shown are the maximum uniform unfactored and factored loads in pounds per linear foot that can be applied to the beam. The weight of the beam has been deducted from the Total Unfactored Load (TL) and Total Factored Load.
 - Bearing lengths are in inches based on the compression perpendicular to grain resistance of the LVL beam. For bearing on other wood materials, the bearing resistance of the supporting material should be checked.
 - The tabulated values are for simple span or for continuous span beams.
 - Design span is the clear span between supports plus one half of the required bearing at each end.
 - The table is for standard term loading and dry service conditions.
 - Lateral support at points of bearing and continuous lateral support for top of beam must be provided to prevent rotation or lateral displacement.
 - Calculations have been carried out in accordance with CSA O86-14.
 - 1-1/2" thick LVL members 14" and deeper and 1-3/4" thick LVL members 16" and deeper must be a minimum of 2 plies unless designed by a design professional.
 - 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.

Directions for use of Table:

- Determine the total factored load, unfactored live load and unfactored total load.
- Choose a span that meets or exceeds the actual design span (centre to centre of bearing).
- Scan from left to right within the span row to find a cell where: the L/360 (LL) load exceeds the unfactored live load; the L/240 (TL) load exceeds the unfactored total load; the factored total load resistance exceeds the factored total load. All four rows including minimum bearing must be checked. Where no unfactored loads are shown, total factored load will govern.
- If the selected beam is too deep or the bearing length is too long, resize the beam using a wider member.
- For an L/480 live load deflection limit, multiply the tabulated L/360 (LL) loads by 0.75. For an L/180 total load limit, multiply the tabulated L/240 (TL) loads by 1.33.