



Dimensions of single-span glulam beams - cross section table w/h (cm)

| L (m) q (kN/m) | 3 | | 3.5 | | 4 | | 4.5 | | 5 | | 5.5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 12 | |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | w | h | w | h | w | h | w | h | w | h | w | h | w | h | w | h | w | h | w | h | w | h | w | h |
| 1.0 | 8.0 | 12.0 | 8.0 | 12.0 | 10.0 | 14.0 | 10.0 | 16.0 | 10.0 | 18.0 | 10.0 | 20.0 | 12.0 | 20.0 | 12.0 | 24.0 | 14.0 | 26.0 | 14.0 | 28.0 | 14.0 | 32.0 | 16.0 | 36.0 |
| 1.5 | 8.0 | 14.0 | 8.0 | 16.0 | 10.0 | 16.0 | 10.0 | 20.0 | 10.0 | 20.0 | 12.0 | 20.0 | 12.0 | 24.0 | 12.0 | 28.0 | 14.0 | 28.0 | 14.0 | 32.0 | 14.0 | 36.0 | 16.0 | 40.0 |
| 2.0 | 8.0 | 14.0 | 10.0 | 16.0 | 10.0 | 18.0 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 |
| 2.5 | 8.0 | 16.0 | 10.0 | 16.0 | 10.0 | 20.0 | 12.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 48.0 |
| 3.0 | 8.0 | 16.0 | 10.0 | 20.0 | 10.0 | 20.0 | 12.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 52.0 |
| 3.5 | 10.0 | 16.0 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 40.0 | 14.0 | 44.0 | 16.0 | 44.0 | 16.0 | 52.0 |
| 4.0 | 10.0 | 16.0 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 14.0 | 44.0 | 16.0 | 48.0 | 16.0 | 56.0 |
| 4.5 | 10.0 | 20.0 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 12.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 14.0 | 48.0 | 16.0 | 48.0 | 16.0 | 60.0 |
| 5.0 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 40.0 | 16.0 | 40.0 | 14.0 | 48.0 | 16.0 | 52.0 | 16.0 | 60.0 |
| 5.5 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 48.0 | 16.0 | 52.0 | 16.0 | 64.0 |
| 6.0 | 10.0 | 20.0 | 10.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 48.0 | 16.0 | 56.0 | 16.0 | 64.0 |
| 6.5 | 12.0 | 20.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 68.0 |
| 7.0 | 12.0 | 20.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 16.0 | 40.0 | 16.0 | 48.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 68.0 |
| 7.5 | 12.0 | 20.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 48.0 | 16.0 | 52.0 | 16.0 | 60.0 | 16.0 | 68.0 |
| 8.0 | 12.0 | 24.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 48.0 | 16.0 | 56.0 | 16.0 | 60.0 | 16.0 | 72.0 |
| 8.5 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 64.0 | 16.0 | 72.0 |
| 9.0 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 40.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 64.0 | 20.0 | 72.0 |
| 9.5 | 12.0 | 24.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 60.0 | 16.0 | 64.0 | 20.0 | 72.0 |
| 10.0 | 12.0 | 24.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 48.0 | 16.0 | 56.0 | 16.0 | 60.0 | 20.0 | 64.0 | 20.0 | 72.0 |
| 11.0 | 12.0 | 24.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 36.0 | 14.0 | 44.0 | 16.0 | 44.0 | 16.0 | 48.0 | 16.0 | 56.0 | 16.0 | 64.0 | 20.0 | 64.0 | 20.0 | 76.0 |
| 12.0 | 12.0 | 28.0 | 12.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 36.0 | 14.0 | 44.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 60.0 | 16.0 | 64.0 | 20.0 | 64.0 | 20.0 | 80.0 |
| 13.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 36.0 | 14.0 | 44.0 | 16.0 | 48.0 | 16.0 | 52.0 | 16.0 | 60.0 | 16.0 | 64.0 | 20.0 | 68.0 | 20.0 | 80.0 |
| 14.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 44.0 | 16.0 | 48.0 | 16.0 | 56.0 | 16.0 | 64.0 | 20.0 | 64.0 | 20.0 | 72.0 | 20.0 | 84.0 |
| 15.0 | 12.0 | 28.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 44.0 | 16.0 | 48.0 | 16.0 | 56.0 | 16.0 | 64.0 | 20.0 | 68.0 | 20.0 | 72.0 | 20.0 | 88.0 |
| 16.0 | 14.0 | 28.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 48.0 | 16.0 | 52.0 | 16.0 | 58.0 | 16.0 | 68.0 | 20.0 | 68.0 | 20.0 | 76.0 | 20.0 | 92.0 |
| 17.0 | 14.0 | 28.0 | 14.0 | 32.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 40.0 | 16.0 | 48.0 | 16.0 | 52.0 | 16.0 | 62.0 | 16.0 | 68.0 | 20.0 | 72.0 | 20.0 | 76.0 | 20.0 | 92.0 |
| 18.0 | 14.0 | 28.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 40.0 | 16.0 | 40.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 62.0 | 16.0 | 72.0 | 20.0 | 72.0 | 20.0 | 80.0 | 20.0 | 96.0 |
| 19.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 66.0 | 16.0 | 72.0 | 20.0 | 76.0 | 20.0 | 84.0 | 20.0 | 100.0 |
| 20.0 | 14.0 | 32.0 | 14.0 | 36.0 | 14.0 | 40.0 | 16.0 | 44.0 | 16.0 | 44.0 | 16.0 | 52.0 | 16.0 | 56.0 | 16.0 | 66.0 | 16.0 | 76.0 | 20.0 | 76.0 | 20.0 | 84.0 | 20.0 | 100.0 |

This table is just for information, it does not compensate the static calculation. Dimensions to DIN 1052 April 1988 Glulam GK II - Deflection L/200-L/300