

Selection Charts

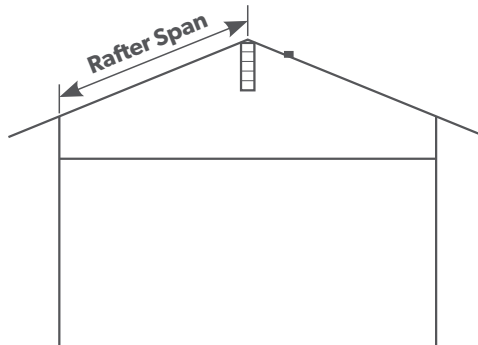


Table 5

Rafters for internal use. Visual ie PLVL, PLVR and Structural ie PLL, PLR light roof – with ceiling – snow loading 0.5 kPa – high wind zone Glulam Grade PL8.

| Rafter Size | Maximum Rafter Span (m) | | | | |
|------------------------------------|-------------------------|------|------|------|------|
| | Rafter Spacing (m) | | | | |
| | 0.6 | 0.75 | 0.9 | 1.0 | 1.2 |
| PLVL8H3-15075 140 x 63mm | 3.80 | 3.50 | 3.30 | 3.20 | 3.00 |
| PLVL8H3-20075 190 x 63mm | 4.75 | 4.45 | 4.30 | 4.20 | 4.00 |
| PLVL8H3-25075 240 x 63mm | 5.15 | 4.75 | 4.50 | 4.35 | 4.10 |
| PLVL8H3-30075 290 x 63mm | 6.45 | 6.05 | 5.80 | 5.65 | 5.25 |
| PLVL8H3-35075 315 x 63mm | 7.25 | 6.80 | 6.25 | 5.95 | 5.45 |
| PLVL8H3-15075 140 x 63mm | B | B | B | B | B |
| PLVL8H3-20075 190 x 63mm | B | B | B | C | C |
| PLVL8H3-25075 240 x 63mm | B | B | B | C | C |
| PLVL8H3-30075 290 x 63mm | B | C | C | C | C |
| PLVL8H3-35075 315 x 63mm | C | C | C | C | C |

| Fixing type | |
|-------------|--|
| B | 2/100 x 3.75 skewed nails and 1 wire dog or 2.7kN connection |
| C | 2/100 x 3.75 skewed nails and 2 wire dog or 4.7kN connection |
| D | 2/100 x 3.75 skewed nails and 3 wire dog or 6.7kN connection |

End fixing to resist uplift – refer also to NZS3604: 1999

| Rafter Size | Maximum Rafter Span (m) | | | | |
|------------------------------------|-------------------------|------|------|-------|------|
| | Rafter Spacing (m) | | | | |
| | 0.6 | 0.75 | 0.9 | 1.0 | 1.2 |
| PLVL8H3-10050 88 x 42mm | 1.80 | 1.75 | 1.75 | 1.70 | 1.70 |
| PLVL8H3-15050 140 x 42mm | 3.30 | 3.00 | 2.75 | 2.60 | 2.40 |
| PLVL8H3-20050 190 x 42mm | 3.75 | 3.30 | 3.05 | 2.905 | 2.65 |
| PLVL8H3-25050 240 x 42mm | 4.05 | 3.60 | 3.30 | 3.15 | 2.85 |
| PLVL8H3-30050 290 x 42mm | 4.30 | 3.80 | 3.50 | 3.30 | 3.00 |
| PLVL8H3-35050 315 x 42mm | 4.65 | 4.10 | 3.75 | 3.60 | 3.25 |
| PLVL8H3-10050 88 x 42mm | B | B | B | B | B |
| PLVL8H3-15050 140 x 42mm | B | B | B | B | B |
| PLVL8H3-20050 190 x 42mm | B | B | B | B | B |
| PLVL8H3-25050 240 x 42mm | B | B | B | B | B |
| PLVL8H3-30050 290 x 42mm | B | B | B | B | C |
| PLVL8H3-35050 315 x 42mm | B | B | B | C | C |

Codes for Structural or Visual

| | |
|------------|----------------------------|
| Visual | PLVL, ie PLVL8H3-25075 250 |
| Structural | PLL, ie PL8H3-25050 |

These span tables apply only to Prolam products