



# **NeXTimber®**

# **Glue Laminated Timber**

## **Roof Member Span Tables**



# Span Tables

The application of the reported spans to site specific situations remains the responsibility of the design engineer. The following span tables provide indicative allowable spans for the following house structural members:

- Single storey or upper storey lintels
- Ridge Beams
- Veranda Beams

## Wind

Nominated spans within the tables are suitable for N1-N4 wind regions as per AS 4055 only. Uses outside this region will require further design consideration.

## Span Table Design Criteria

The Beams/ members within the span tables have been assessed based on the design criteria and combinations outlined in AS1720.3 and the following deflection criteria.

## Deflection Criteria

Beams/ members used in Service class 3 (as defined in AS 1328.1) applications are beyond the scope of these span tables & specialist design advice from a structural engineer is required for appropriate sizing.

|                         | Long Term                   | Short Term                  |                            |
|-------------------------|-----------------------------|-----------------------------|----------------------------|
| Element                 | $j2 \times$ Dead Load       | Live Load                   | Service Wind               |
| Lintel (Roof load only) | Lesser of Span / 300 & 9mm  | Lesser of Span / 250 & 9mm  | Lesser of Span / 250 & 9mm |
| Ridge Beams             | Lesser of Span / 300 & 20mm | Span / 250                  | Span / 150                 |
| Verandah Beams          | Lesser of Span / 400 & 10mm | Lesser of Span / 250 & 12mm | Span / 200                 |

## Assumptions and Notes

Beam/ member capacity and analysis in accordance with AS1720.1. Long term duration load factor ( $j2$ ) has been taken as 2. Capacity factors used within the tables have been prepared using a value of 905, suitable for residential applications where the supporting area is less than 25m<sup>2</sup>. Refer to AS 1720.1 Table 2.1 for other values for different structural applications which will require further structural evaluation.

Superimposed dead loads of 40kg/m<sup>2</sup> and 90kg/m<sup>2</sup> are indicative weights of conventionally sheeted and tile roofs respectively. These dead load allowances are to be assessed against the dead weight of all components of the roof other than the self-weight of the lintel/beam in question, including but not limited to the supported rafters, trusses, battens, cladding, insulation, services etc. No additional dead load allowance was made on top of the 40 & 90kg/m<sup>2</sup> stated.

It is assumed that lateral restraint is provided by supported secondary beam/ members at the indicated spacings. Lateral loads have therefore not been assessed. It is the responsibility of the design engineer to consider the presence or lack thereof, and the impact of lateral loading/restraint.

## Roof Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x65                    | 40                                | 2700                          | 2700 | 2000 | 1900 | 1700 | 1300 | 1400 |      | 1300 |      |
|                           | 90                                | 2200                          | 2200 | 1800 | 1600 | 1500 | 1000 | 1300 |      | 1100 |      |
| 168x65                    | 40                                | 3500                          | 3500 | 2800 | 2700 | 2200 | 2200 | 1900 | 1700 | 1700 | 1400 |
|                           | 90                                | 2900                          | 2900 | 2400 | 2400 | 2000 | 1900 | 1700 | 1400 | 1500 | 1100 |
| 210x65                    | 40                                | 4300                          | 4200 | 3600 | 3400 | 2900 | 2800 | 2500 | 2400 | 2100 | 2100 |
|                           | 90                                | 3600                          | 3600 | 3000 | 3000 | 2600 | 2500 | 2200 | 2100 | 1900 | 1800 |
| 252x65                    | 40                                | 4900                          | 4900 | 4300 | 4100 | 3500 | 3400 | 3000 | 2900 | 2600 | 2600 |
|                           | 90                                | 4300                          | 4200 | 3600 | 3500 | 3100 | 3000 | 2700 | 2600 | 2400 | 2300 |
| 294x65                    | 40                                | 5600                          | 5500 | 5000 | 4900 | 4100 | 3900 | 3500 | 3400 | 3100 | 3000 |
|                           | 90                                | 4900                          | 4800 | 4200 | 4100 | 3700 | 3500 | 3200 | 3100 | 2800 | 2700 |
| 336x65                    | 40                                | 6100                          | 6100 | 5600 | 5400 | 4700 | 4300 | 4000 | 3700 | 3600 | 3300 |
|                           | 90                                | 5500                          | 5400 | 4700 | 4600 | 4200 | 3900 | 3600 | 3400 | 3300 | 3000 |
| 378x65                    | 40                                | 6500                          | 6500 | 6100 | 6000 | 5200 | 4800 | 4500 | 4000 | 4000 | 3600 |
|                           | 90                                | 6000                          | 6000 | 5200 | 5100 | 4700 | 4200 | 4000 | 3600 | 3600 | 3300 |
| 420x65                    | 40                                | 6900                          | 6900 | 6500 | 6300 | 5600 | 5100 | 4800 | 4300 | 4300 | 3800 |
|                           | 90                                | 6400                          | 6400 | 5700 | 5600 | 5000 | 4500 | 4300 | 3900 | 3800 | 3400 |
| 462x65                    | 40                                | 7300                          | 7300 | 6900 | 6600 | 5900 | 5300 | 5100 | 4500 | 4500 | 4000 |
|                           | 90                                | 6800                          | 6800 | 6200 | 5800 | 5300 | 4800 | 4600 | 4000 | 4100 | 3600 |
| 504x65                    | 40                                | 7700                          | 7700 | 7300 | 6700 | 6200 | 5400 | 5300 | 4600 | 4800 | 4100 |
|                           | 90                                | 7200                          | 7200 | 6500 | 6100 | 5600 | 4900 | 4800 | 4100 | 4300 | 3700 |
| 546x65                    | 40                                | 8000                          | 8000 | 7600 | 6800 | 6400 | 5500 | 5500 | 4600 | 4900 | 4100 |
|                           | 90                                | 7500                          | 7500 | 6900 | 6100 | 5700 | 4900 | 5000 | 4200 | 4400 | 3700 |
| 588x65                    | 40                                | 8400                          | 8400 | 8000 | 6800 | 6500 | 5400 | 5600 | 4600 | 5000 | 4100 |
|                           | 90                                | 7900                          | 7900 | 7200 | 6100 | 5900 | 4900 | 5100 | 4100 | 4500 | 3700 |
| 630x65                    | 40                                | 8700                          | 8700 | 8000 | 6700 | 6600 | 5400 | 5700 | 4500 | 5100 | 4100 |
|                           | 90                                | 8200                          | 8200 | 7300 | 6100 | 5900 | 4900 | 5100 | 4100 | 4600 | 3700 |

*Not all sizes of NeXTimber® GL13 are stocked in each state. Please check with your Account Manager for availability.*

## Roof Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x85                    | 40                                | 3000                          | 3000 | 2400 | 2300 | 1900 | 1700 | 1600 | 1300 | 1500 | 1000 |
|                           | 90                                | 2400                          | 2400 | 2000 | 1900 | 1700 | 1400 | 1500 | 1000 | 1300 |      |
| 168x85                    | 40                                | 3800                          | 3800 | 3300 | 3100 | 2600 | 2500 | 2200 | 2100 | 2000 | 1800 |
|                           | 90                                | 3200                          | 3200 | 2600 | 2600 | 2300 | 2200 | 2000 | 1800 | 1800 | 1500 |
| 210x85                    | 40                                | 4600                          | 4500 | 4000 | 3900 | 3300 | 3200 | 2800 | 2800 | 2500 | 2400 |
|                           | 90                                | 3900                          | 3900 | 3300 | 3200 | 2900 | 2900 | 2600 | 2400 | 2200 | 2200 |
| 252x85                    | 40                                | 5300                          | 5200 | 4700 | 4700 | 4000 | 3800 | 3500 | 3300 | 3100 | 3000 |
|                           | 90                                | 4600                          | 4500 | 3900 | 3800 | 3400 | 3400 | 3100 | 3000 | 2700 | 2700 |
| 294x85                    | 40                                | 5900                          | 5800 | 5400 | 5300 | 4700 | 4500 | 4000 | 3900 | 3600 | 3500 |
|                           | 90                                | 5300                          | 5200 | 4500 | 4400 | 4000 | 4000 | 3600 | 3500 | 3300 | 3100 |
| 336x85                    | 40                                | 6400                          | 6400 | 6000 | 5900 | 5400 | 5300 | 4700 | 4400 | 4200 | 4000 |
|                           | 90                                | 5900                          | 5800 | 5100 | 5000 | 4600 | 4500 | 4200 | 4000 | 3700 | 3600 |
| 378x85                    | 40                                | 6800                          | 6800 | 6400 | 6400 | 6100 | 6000 | 5300 | 5100 | 4700 | 4500 |
|                           | 90                                | 6300                          | 6300 | 5600 | 5600 | 5100 | 5000 | 4700 | 4500 | 4200 | 4000 |
| 420x85                    | 40                                | 7300                          | 7200 | 6900 | 6800 | 6500 | 6500 | 5800 | 5700 | 5200 | 5100 |
|                           | 90                                | 6800                          | 6700 | 6100 | 6100 | 5600 | 5500 | 5200 | 5100 | 4700 | 4500 |
| 462x85                    | 40                                | 7700                          | 7600 | 7300 | 7200 | 6900 | 6900 | 6400 | 6200 | 5700 | 5400 |
|                           | 90                                | 7200                          | 7200 | 6500 | 6500 | 6100 | 6100 | 5700 | 5500 | 5200 | 4900 |
| 504x85                    | 40                                | 8100                          | 8000 | 7700 | 7600 | 7300 | 7300 | 7000 | 6500 | 6200 | 5800 |
|                           | 90                                | 7600                          | 7500 | 6900 | 6900 | 6500 | 6400 | 6100 | 5800 | 5600 | 5200 |
| 546x85                    | 40                                | 8400                          | 8400 | 8000 | 8000 | 7700 | 7700 | 7400 | 6800 | 6600 | 6100 |
|                           | 90                                | 7900                          | 7900 | 7300 | 7300 | 6800 | 6800 | 6500 | 6200 | 5900 | 5400 |
| 588x85                    | 40                                | 8800                          | 8800 | 8400 | 8400 | 8100 | 8000 | 7700 | 7100 | 6900 | 6400 |
|                           | 90                                | 8300                          | 8300 | 7700 | 7600 | 7200 | 7200 | 6800 | 6400 | 6200 | 5700 |
| 630x85                    | 40                                | 9100                          | 9100 | 8700 | 8700 | 8400 | 8400 | 8000 | 7300 | 7200 | 6600 |
|                           | 90                                | 8600                          | 8600 | 8000 | 8000 | 7500 | 7500 | 7200 | 6600 | 6500 | 5800 |

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## Roof Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x115                   | 40                                | 3200                          | 3200 | 2700 | 2700 | 2200 | 2200 | 1900 | 1700 | 1700 | 1400 |
|                           | 90                                | 2700                          | 2700 | 2200 | 2100 | 1900 | 1900 | 1700 | 1400 | 1500 | 1100 |
| 168x115                   | 40                                | 4100                          | 4100 | 3600 | 3600 | 3100 | 3000 | 2600 | 2600 | 2300 | 2200 |
|                           | 90                                | 3500                          | 3500 | 2900 | 2900 | 2500 | 2500 | 2300 | 2300 | 2100 | 2000 |
| 210x115                   | 40                                | 4900                          | 4900 | 4400 | 4300 | 3900 | 3700 | 3300 | 3200 | 3000 | 2900 |
|                           | 90                                | 4300                          | 4200 | 3600 | 3500 | 3200 | 3200 | 2900 | 2900 | 2700 | 2600 |
| 252x115                   | 40                                | 5700                          | 5600 | 5100 | 5000 | 4700 | 4500 | 4000 | 3900 | 3600 | 3500 |
|                           | 90                                | 5000                          | 4900 | 4300 | 4200 | 3800 | 3800 | 3500 | 3400 | 3200 | 3100 |
| 294x115                   | 40                                | 6200                          | 6200 | 5800 | 5700 | 5400 | 5300 | 4700 | 4500 | 4200 | 4000 |
|                           | 90                                | 5700                          | 5600 | 4900 | 4800 | 4400 | 4400 | 4000 | 4000 | 3800 | 3700 |
| 336x115                   | 40                                | 6700                          | 6700 | 6300 | 6300 | 6000 | 6000 | 5400 | 5300 | 4900 | 4600 |
|                           | 90                                | 6300                          | 6200 | 5500 | 5500 | 5000 | 4900 | 4600 | 4600 | 4300 | 4200 |
| 378x115                   | 40                                | 7200                          | 7200 | 6800 | 6800 | 6500 | 6500 | 6100 | 6100 | 5500 | 5300 |
|                           | 90                                | 6700                          | 6700 | 6100 | 6100 | 5600 | 5500 | 5200 | 5100 | 4900 | 4800 |
| 420x115                   | 40                                | 7700                          | 7600 | 7300 | 7200 | 6900 | 6900 | 6700 | 6600 | 6100 | 6000 |
|                           | 90                                | 7200                          | 7100 | 6500 | 6500 | 6100 | 6100 | 5700 | 5600 | 5400 | 5300 |
| 462x115                   | 40                                | 8100                          | 8000 | 7700 | 7700 | 7400 | 7300 | 7100 | 7100 | 6700 | 6600 |
|                           | 90                                | 7600                          | 7600 | 7000 | 6900 | 6500 | 6500 | 6200 | 6100 | 5900 | 5800 |
| 504x115                   | 40                                | 8500                          | 8500 | 8100 | 8100 | 7800 | 7700 | 7500 | 7500 | 7300 | 7200 |
|                           | 90                                | 8000                          | 8000 | 7400 | 7300 | 6900 | 6900 | 6600 | 6500 | 6300 | 6200 |
| 546x115                   | 40                                | 8900                          | 8900 | 8500 | 8500 | 8200 | 8100 | 7900 | 7900 | 7700 | 7600 |
|                           | 90                                | 8400                          | 8400 | 7800 | 7700 | 7300 | 7300 | 6900 | 6900 | 6600 | 6600 |
| 588x115                   | 40                                | 9200                          | 9200 | 8900 | 8900 | 8500 | 8500 | 8300 | 8200 | 8000 | 8000 |
|                           | 90                                | 8800                          | 8800 | 8100 | 8100 | 7700 | 7600 | 7300 | 7300 | 7000 | 7000 |
| 630x115                   | 40                                | 9600                          | 9600 | 9200 | 9200 | 8900 | 8900 | 8600 | 8600 | 8400 | 8400 |
|                           | 90                                | 9100                          | 9100 | 8500 | 8500 | 8000 | 8000 | 7600 | 7600 | 7300 | 7300 |

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## Roof Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x135                   | 40                                | 3400                          | 3400 | 2900 | 2900 | 2500 | 2300 | 2100 | 2000 | 1900 | 1600 |
|                           | 90                                | 2800                          | 2800 | 2300 | 2200 | 2000 | 2000 | 1800 | 1600 | 1700 | 1300 |
| 168x135                   | 40                                | 4300                          | 4200 | 3800 | 3700 | 3300 | 3200 | 2800 | 2800 | 2500 | 2400 |
|                           | 90                                | 3700                          | 3600 | 3000 | 3000 | 2700 | 2700 | 2400 | 2400 | 2200 | 2200 |
| 210x135                   | 40                                | 5100                          | 5000 | 4600 | 4500 | 4200 | 4000 | 3600 | 3500 | 3200 | 3100 |
|                           | 90                                | 4500                          | 4400 | 3800 | 3700 | 3300 | 3300 | 3100 | 3000 | 2800 | 2800 |
| 252x135                   | 40                                | 5900                          | 5800 | 5300 | 5300 | 4900 | 4900 | 4400 | 4200 | 3900 | 3800 |
|                           | 90                                | 5200                          | 5100 | 4500 | 4400 | 4000 | 4000 | 3700 | 3600 | 3400 | 3400 |
| 294x135                   | 40                                | 6400                          | 6400 | 6000 | 6000 | 5600 | 5500 | 5100 | 5000 | 4600 | 4400 |
|                           | 90                                | 5900                          | 5800 | 5200 | 5100 | 4600 | 4600 | 4300 | 4200 | 4000 | 3900 |
| 336x135                   | 40                                | 6900                          | 6900 | 6500 | 6500 | 6200 | 6200 | 5900 | 5700 | 5300 | 5100 |
|                           | 90                                | 6400                          | 6400 | 5800 | 5700 | 5300 | 5200 | 4900 | 4800 | 4600 | 4500 |
| 378x135                   | 40                                | 7400                          | 7400 | 7000 | 7000 | 6700 | 6700 | 6400 | 6400 | 5900 | 5800 |
|                           | 90                                | 6900                          | 6900 | 6300 | 6300 | 5900 | 5800 | 5400 | 5300 | 5100 | 5000 |
| 420x135                   | 40                                | 7900                          | 7800 | 7500 | 7500 | 7200 | 7100 | 6900 | 6900 | 6600 | 6500 |
|                           | 90                                | 7400                          | 7400 | 6800 | 6700 | 6300 | 6300 | 6000 | 6000 | 5600 | 5600 |
| 462x135                   | 40                                | 8300                          | 8300 | 7900 | 7900 | 7600 | 7600 | 7300 | 7300 | 7100 | 7100 |
|                           | 90                                | 7800                          | 7800 | 7200 | 7200 | 6700 | 6700 | 6400 | 6400 | 6100 | 6100 |
| 504x135                   | 40                                | 8700                          | 8700 | 8300 | 8300 | 8000 | 8000 | 7700 | 7700 | 7500 | 7500 |
|                           | 90                                | 8200                          | 8200 | 7600 | 7600 | 7200 | 7100 | 6800 | 6800 | 6500 | 6500 |
| 546x135                   | 40                                | 9100                          | 9100 | 8700 | 8700 | 8400 | 8400 | 8100 | 8100 | 7900 | 7900 |
|                           | 90                                | 8600                          | 8600 | 8000 | 8000 | 7500 | 7500 | 7200 | 7100 | 6900 | 6800 |
| 588x135                   | 40                                | 9500                          | 9500 | 9100 | 9100 | 8800 | 8800 | 8500 | 8500 | 8300 | 8300 |
|                           | 90                                | 9000                          | 9000 | 8400 | 8400 | 7900 | 7900 | 7600 | 7500 | 7200 | 7200 |
| 630x135                   | 40                                | 9800                          | 9800 | 9500 | 9500 | 9200 | 9200 | 8900 | 8900 | 8700 | 8700 |
|                           | 90                                | 9400                          | 9400 | 8800 | 8800 | 8300 | 8300 | 7900 | 7900 | 7600 | 7600 |

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## Roof Lintel - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x65                    | 40                                | 2900                          | 2900 | 2000 | 1900 | 1600 | 1300 | 1400 |      | 1300 |      |
|                           | 90                                | 2300                          | 2200 | 1800 | 1600 | 1500 | 1000 | 1300 |      | 1100 |      |
| 168x65                    | 40                                | 3600                          | 3600 | 2800 | 2700 | 2200 | 2200 | 1900 | 1700 | 1700 | 1400 |
|                           | 90                                | 3000                          | 2900 | 2400 | 2400 | 2000 | 1900 | 1700 | 1400 | 1500 | 1100 |
| 210x65                    | 40                                | 4200                          | 4200 | 3500 | 3400 | 2800 | 2800 | 2500 | 2300 | 2100 | 2100 |
|                           | 90                                | 3500                          | 3500 | 3000 | 2900 | 2600 | 2500 | 2200 | 2100 | 1900 | 1700 |
| 252x65                    | 40                                | 4900                          | 4800 | 4100 | 4100 | 3500 | 3300 | 3000 | 2900 | 2600 | 2600 |
|                           | 90                                | 4000                          | 4000 | 3400 | 3400 | 3100 | 3000 | 2700 | 2600 | 2400 | 2300 |
| 294x65                    | 40                                | 5400                          | 5400 | 4600 | 4600 | 4100 | 3900 | 3500 | 3400 | 3100 | 3000 |
|                           | 90                                | 4500                          | 4500 | 3800 | 3800 | 3400 | 3400 | 3200 | 3100 | 2800 | 2700 |
| 336x65                    | 40                                | 6000                          | 5900 | 5100 | 5100 | 4700 | 4300 | 4000 | 3700 | 3600 | 3300 |
|                           | 90                                | 5000                          | 4900 | 4200 | 4200 | 3800 | 3800 | 3500 | 3400 | 3200 | 3000 |
| 378x65                    | 40                                | 6500                          | 6500 | 5600 | 5500 | 5100 | 4600 | 4500 | 4000 | 4000 | 3600 |
|                           | 90                                | 5400                          | 5400 | 4600 | 4600 | 4200 | 4100 | 3900 | 3600 | 3600 | 3200 |
| 420x65                    | 40                                | 7000                          | 7000 | 6000 | 6000 | 5500 | 5000 | 4800 | 4300 | 4300 | 3800 |
|                           | 90                                | 5900                          | 5800 | 5000 | 4900 | 4500 | 4500 | 4200 | 3800 | 3800 | 3400 |
| 462x65                    | 40                                | 7500                          | 7400 | 6500 | 6400 | 5900 | 5300 | 5100 | 4400 | 4500 | 4000 |
|                           | 90                                | 6300                          | 6300 | 5400 | 5300 | 4900 | 4600 | 4500 | 4000 | 4100 | 3600 |
| 504x65                    | 40                                | 7900                          | 7900 | 6900 | 6700 | 6100 | 5400 | 5300 | 4500 | 4700 | 4100 |
|                           | 90                                | 6700                          | 6700 | 5700 | 5600 | 5200 | 4900 | 4800 | 4100 | 4300 | 3700 |
| 546x65                    | 40                                | 8400                          | 8400 | 7300 | 6800 | 6300 | 5400 | 5500 | 4600 | 4900 | 4100 |
|                           | 90                                | 7100                          | 7100 | 6100 | 6000 | 5500 | 4900 | 5000 | 4100 | 4400 | 3700 |
| 588x65                    | 40                                | 8800                          | 8800 | 7700 | 6700 | 6500 | 5400 | 5600 | 4600 | 5000 | 4100 |
|                           | 90                                | 7500                          | 7500 | 6400 | 6100 | 5800 | 4900 | 5100 | 4100 | 4500 | 3700 |
| 630x65                    | 40                                | 9300                          | 9300 | 8000 | 6700 | 6500 | 5400 | 5600 | 4500 | 5000 | 4000 |
|                           | 90                                | 7900                          | 7800 | 6700 | 6000 | 5900 | 4800 | 5100 | 4100 | 4600 | 3700 |

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## Roof Lintel - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x85                    | 40                                | 3100                          | 3100 | 2400 | 2300 | 1900 | 1700 | 1600 | 1200 | 1500 | 1000 |
|                           | 90                                | 2500                          | 2400 | 2000 | 1900 | 1700 | 1400 | 1500 | 1000 | 1300 |      |
| 168x85                    | 40                                | 3800                          | 3800 | 3200 | 3100 | 2600 | 2500 | 2200 | 2100 | 2000 | 1800 |
|                           | 90                                | 3200                          | 3100 | 2600 | 2600 | 2300 | 2200 | 2000 | 1800 | 1800 | 1500 |
| 210x85                    | 40                                | 4500                          | 4500 | 3800 | 3800 | 3300 | 3200 | 2800 | 2700 | 2500 | 2400 |
|                           | 90                                | 3700                          | 3700 | 3200 | 3100 | 2800 | 2800 | 2500 | 2400 | 2200 | 2200 |
| 252x85                    | 40                                | 5100                          | 5100 | 4400 | 4400 | 4000 | 3800 | 3400 | 3300 | 3100 | 3000 |
|                           | 90                                | 4300                          | 4200 | 3600 | 3600 | 3300 | 3300 | 3100 | 3000 | 2700 | 2700 |
| 294x85                    | 40                                | 5700                          | 5700 | 4900 | 4900 | 4500 | 4400 | 4000 | 3900 | 3600 | 3500 |
|                           | 90                                | 4800                          | 4700 | 4100 | 4000 | 3700 | 3700 | 3400 | 3400 | 3200 | 3100 |
| 336x85                    | 40                                | 6300                          | 6300 | 5400 | 5400 | 5000 | 4900 | 4600 | 4400 | 4200 | 4000 |
|                           | 90                                | 5300                          | 5200 | 4500 | 4500 | 4100 | 4000 | 3800 | 3800 | 3600 | 3600 |
| 378x85                    | 40                                | 6800                          | 6800 | 5900 | 5900 | 5400 | 5300 | 5100 | 5000 | 4700 | 4500 |
|                           | 90                                | 5800                          | 5700 | 4900 | 4900 | 4500 | 4400 | 4200 | 4100 | 3900 | 3900 |
| 420x85                    | 40                                | 7400                          | 7300 | 6400 | 6400 | 5800 | 5800 | 5500 | 5400 | 5200 | 5100 |
|                           | 90                                | 6200                          | 6200 | 5300 | 5300 | 4800 | 4800 | 4500 | 4500 | 4300 | 4200 |
| 462x85                    | 40                                | 7900                          | 7800 | 6900 | 6800 | 6300 | 6200 | 5900 | 5800 | 5600 | 5400 |
|                           | 90                                | 6700                          | 6600 | 5700 | 5600 | 5200 | 5100 | 4800 | 4800 | 4600 | 4500 |
| 504x85                    | 40                                | 8400                          | 8400 | 7300 | 7300 | 6700 | 6600 | 6300 | 6200 | 5900 | 5700 |
|                           | 90                                | 7100                          | 7100 | 6100 | 6100 | 5500 | 5500 | 5200 | 5100 | 4900 | 4800 |
| 546x85                    | 40                                | 8800                          | 8800 | 7700 | 7700 | 7100 | 7000 | 6600 | 6600 | 6300 | 6100 |
|                           | 90                                | 7500                          | 7500 | 6500 | 6400 | 5900 | 5800 | 5500 | 5400 | 5200 | 5100 |
| 588x85                    | 40                                | 9300                          | 9300 | 8100 | 8100 | 7500 | 7400 | 7000 | 7000 | 6700 | 6300 |
|                           | 90                                | 7900                          | 7900 | 6800 | 6800 | 6200 | 6200 | 5800 | 5700 | 5500 | 5400 |
| 630x85                    | 40                                | 9700                          | 9700 | 8500 | 8500 | 7800 | 7800 | 7400 | 7300 | 7000 | 6500 |
|                           | 90                                | 8300                          | 8300 | 7200 | 7100 | 6500 | 6500 | 6100 | 6100 | 5800 | 5700 |

*Not all sizes of NeXTimber® GL13 are stocked in each state. Please check with your Account Manager for availability.*

## Roof Lintel - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |       | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|-------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200  | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |       |      |      |      |      |      |      |      |      |
| 126x115                   | 40                                | 3300                          | 3300  | 2800 | 2700 | 2200 | 2200 | 1900 | 1700 | 1700 | 1300 |
|                           | 90                                | 2700                          | 2700  | 2200 | 2200 | 1900 | 1900 | 1700 | 1400 | 1500 | 1100 |
| 168x115                   | 40                                | 4100                          | 4000  | 3500 | 3500 | 3100 | 3000 | 2600 | 2600 | 2300 | 2200 |
|                           | 90                                | 3400                          | 3400  | 2900 | 2900 | 2600 | 2500 | 2300 | 2300 | 2100 | 2000 |
| 210x115                   | 40                                | 4800                          | 4700  | 4100 | 4100 | 3700 | 3700 | 3300 | 3200 | 3000 | 2900 |
|                           | 90                                | 4000                          | 4000  | 3400 | 3400 | 3100 | 3100 | 2800 | 2800 | 2600 | 2600 |
| 252x115                   | 40                                | 5500                          | 5400  | 4700 | 4700 | 4300 | 4300 | 4000 | 3900 | 3600 | 3400 |
|                           | 90                                | 4600                          | 4500  | 3900 | 3900 | 3500 | 3500 | 3300 | 3300 | 3100 | 3100 |
| 294x115                   | 40                                | 6100                          | 6100  | 5300 | 5200 | 4800 | 4800 | 4500 | 4500 | 4200 | 4000 |
|                           | 90                                | 5100                          | 5100  | 4400 | 4300 | 4000 | 3900 | 3700 | 3700 | 3500 | 3500 |
| 336x115                   | 40                                | 6700                          | 6700  | 5800 | 5700 | 5300 | 5300 | 5000 | 4900 | 4700 | 4600 |
|                           | 90                                | 5700                          | 5600  | 4800 | 4800 | 4400 | 4300 | 4100 | 4100 | 3900 | 3800 |
| 378x115                   | 40                                | 7200                          | 7200  | 6300 | 6300 | 5800 | 5700 | 5400 | 5400 | 5200 | 5100 |
|                           | 90                                | 6200                          | 6100  | 5300 | 5200 | 4800 | 4700 | 4500 | 4400 | 4200 | 4200 |
| 420x115                   | 40                                | 7800                          | 7700  | 6800 | 6800 | 6300 | 6200 | 5900 | 5800 | 5600 | 5500 |
|                           | 90                                | 6700                          | 6600  | 5700 | 5600 | 5200 | 5100 | 4800 | 4800 | 4600 | 4500 |
| 462x115                   | 40                                | 8300                          | 8300  | 7300 | 7300 | 6700 | 6700 | 6300 | 6300 | 6000 | 5900 |
|                           | 90                                | 7100                          | 7100  | 6100 | 6100 | 5600 | 5500 | 5200 | 5100 | 4900 | 4900 |
| 504x115                   | 40                                | 8800                          | 8800  | 7800 | 7700 | 7100 | 7100 | 6700 | 6700 | 6400 | 6300 |
|                           | 90                                | 7600                          | 7500  | 6500 | 6500 | 5900 | 5900 | 5600 | 5500 | 5300 | 5200 |
| 546x115                   | 40                                | 9300                          | 9300  | 8200 | 8200 | 7600 | 7500 | 7100 | 7100 | 6800 | 6700 |
|                           | 90                                | 8000                          | 8000  | 6900 | 6900 | 6300 | 6300 | 5900 | 5800 | 5600 | 5500 |
| 588x115                   | 40                                | 9700                          | 9700  | 8600 | 8600 | 8000 | 7900 | 7500 | 7500 | 7100 | 7100 |
|                           | 90                                | 8400                          | 8400  | 7300 | 7300 | 6700 | 6600 | 6200 | 6200 | 5900 | 5800 |
| 630x115                   | 40                                | 10000                         | 10000 | 9100 | 9100 | 8400 | 8400 | 7900 | 7800 | 7500 | 7500 |
|                           | 90                                | 8900                          | 8900  | 7700 | 7600 | 7000 | 7000 | 6600 | 6500 | 6200 | 6200 |

*Not all sizes of NeXTimber® GL13 are stocked in each state. Please check with your Account Manager for availability.*

## Roof Lintel - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |       | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|-------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200  | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |       |      |      |      |      |      |      |      |      |
| 126x135                   | 40                                | 3400                          | 3400  | 2900 | 2900 | 2500 | 2300 | 2100 | 2000 | 1800 | 1600 |
|                           | 90                                | 2800                          | 2800  | 2300 | 2300 | 2000 | 2000 | 1800 | 1600 | 1700 | 1300 |
| 168x135                   | 40                                | 4200                          | 4200  | 3600 | 3600 | 3300 | 3200 | 2800 | 2800 | 2500 | 2400 |
|                           | 90                                | 3500                          | 3500  | 3000 | 3000 | 2700 | 2700 | 2500 | 2400 | 2200 | 2200 |
| 210x135                   | 40                                | 5000                          | 4900  | 4300 | 4200 | 3900 | 3900 | 3600 | 3500 | 3200 | 3100 |
|                           | 90                                | 4200                          | 4100  | 3500 | 3500 | 3200 | 3200 | 3000 | 3000 | 2800 | 2800 |
| 252x135                   | 40                                | 5600                          | 5600  | 4900 | 4800 | 4500 | 4400 | 4200 | 4100 | 3900 | 3700 |
|                           | 90                                | 4800                          | 4700  | 4000 | 4000 | 3700 | 3600 | 3400 | 3400 | 3200 | 3200 |
| 294x135                   | 40                                | 6300                          | 6200  | 5500 | 5400 | 5000 | 4900 | 4700 | 4600 | 4400 | 4400 |
|                           | 90                                | 5300                          | 5300  | 4600 | 4500 | 4100 | 4100 | 3800 | 3800 | 3600 | 3600 |
| 336x135                   | 40                                | 6900                          | 6800  | 6000 | 6000 | 5500 | 5400 | 5200 | 5100 | 4900 | 4800 |
|                           | 90                                | 5900                          | 5800  | 5000 | 5000 | 4600 | 4500 | 4300 | 4200 | 4000 | 4000 |
| 378x135                   | 40                                | 7500                          | 7400  | 6500 | 6500 | 6000 | 6000 | 5600 | 5600 | 5400 | 5300 |
|                           | 90                                | 6400                          | 6400  | 5500 | 5400 | 5000 | 4900 | 4700 | 4600 | 4400 | 4400 |
| 420x135                   | 40                                | 8000                          | 8000  | 7000 | 7000 | 6500 | 6400 | 6100 | 6100 | 5800 | 5700 |
|                           | 90                                | 6900                          | 6800  | 5900 | 5800 | 5400 | 5300 | 5000 | 5000 | 4800 | 4700 |
| 462x135                   | 40                                | 8500                          | 8500  | 7500 | 7500 | 6900 | 6900 | 6500 | 6500 | 6200 | 6200 |
|                           | 90                                | 7400                          | 7300  | 6300 | 6300 | 5800 | 5700 | 5400 | 5300 | 5100 | 5100 |
| 504x135                   | 40                                | 9000                          | 9000  | 8000 | 8000 | 7400 | 7300 | 6900 | 6900 | 6600 | 6600 |
|                           | 90                                | 7800                          | 7800  | 6800 | 6700 | 6200 | 6100 | 5800 | 5700 | 5500 | 5400 |
| 546x135                   | 40                                | 9500                          | 9500  | 8500 | 8500 | 7800 | 7800 | 7400 | 7300 | 7000 | 7000 |
|                           | 90                                | 8300                          | 8200  | 7200 | 7100 | 6500 | 6500 | 6100 | 6100 | 5800 | 5700 |
| 588x135                   | 40                                | 10000                         | 10000 | 8900 | 8900 | 8200 | 8200 | 7800 | 7700 | 7400 | 7400 |
|                           | 90                                | 8700                          | 8700  | 7600 | 7500 | 6900 | 6900 | 6500 | 6400 | 6100 | 6100 |
| 630x135                   | 40                                | 10000                         | 10000 | 9300 | 9300 | 8600 | 8600 | 8100 | 8100 | 7800 | 7700 |
|                           | 90                                | 9100                          | 9100  | 7900 | 7900 | 7300 | 7200 | 6800 | 6800 | 6500 | 6400 |

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## Verandah Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x65                    | 40                                | 2500                          | 2400 | 1700 | 1400 | 1400 |      | 1200 |      | 1100 |      |
|                           | 90                                | 2200                          | 2200 | 1600 | 1200 | 1300 |      | 1100 |      |      |      |
| 168x65                    | 40                                | 3400                          | 3300 | 2400 | 2300 | 1900 | 1700 | 1600 | 1200 | 1500 | 1000 |
|                           | 90                                | 2900                          | 2900 | 2200 | 2100 | 1700 | 1400 | 1500 | 1100 | 1300 |      |
| 210x65                    | 40                                | 4100                          | 4100 | 3000 | 2900 | 2400 | 2300 | 2000 | 2000 | 1800 | 1600 |
|                           | 90                                | 3600                          | 3600 | 2800 | 2700 | 2200 | 2100 | 1900 | 1700 | 1700 | 1300 |
| 252x65                    | 40                                | 4600                          | 4600 | 3600 | 3500 | 3000 | 2900 | 2500 | 2400 | 2200 | 2200 |
|                           | 90                                | 4100                          | 4100 | 3400 | 3300 | 2700 | 2600 | 2300 | 2200 | 2000 | 1900 |
| 294x65                    | 40                                | 5100                          | 5000 | 4300 | 4100 | 3500 | 3300 | 3000 | 2900 | 2600 | 2600 |
|                           | 90                                | 4600                          | 4500 | 3900 | 3800 | 3200 | 3100 | 2700 | 2700 | 2400 | 2300 |
| 336x65                    | 40                                | 5500                          | 5400 | 4900 | 4500 | 4000 | 3700 | 3400 | 3200 | 3100 | 2800 |
|                           | 90                                | 5000                          | 4900 | 4400 | 4200 | 3700 | 3400 | 3200 | 3000 | 2800 | 2600 |
| 378x65                    | 40                                | 5900                          | 5800 | 5400 | 5000 | 4400 | 4000 | 3800 | 3400 | 3400 | 3100 |
|                           | 90                                | 5400                          | 5300 | 4800 | 4500 | 4100 | 3700 | 3500 | 3200 | 3100 | 2800 |
| 420x65                    | 40                                | 6300                          | 6200 | 5800 | 5300 | 4700 | 4200 | 4100 | 3600 | 3600 | 3300 |
|                           | 90                                | 5800                          | 5700 | 5100 | 4900 | 4400 | 3900 | 3800 | 3400 | 3400 | 3000 |
| 462x65                    | 40                                | 6600                          | 6600 | 6200 | 5500 | 5000 | 4400 | 4300 | 3800 | 3800 | 3400 |
|                           | 90                                | 6100                          | 6100 | 5500 | 5100 | 4600 | 4100 | 4000 | 3500 | 3600 | 3100 |
| 504x65                    | 40                                | 7000                          | 6900 | 6400 | 5700 | 5200 | 4500 | 4500 | 3900 | 4000 | 3500 |
|                           | 90                                | 6500                          | 6400 | 5800 | 5200 | 4900 | 4200 | 4200 | 3600 | 3700 | 3200 |
| 546x65                    | 40                                | 7300                          | 7300 | 6600 | 5700 | 5400 | 4500 | 4700 | 3900 | 4200 | 3500 |
|                           | 90                                | 6800                          | 6800 | 6100 | 5300 | 5000 | 4200 | 4300 | 3600 | 3800 | 3200 |
| 588x65                    | 40                                | 7600                          | 7600 | 6800 | 5700 | 5500 | 4500 | 4800 | 3900 | 4300 | 3500 |
|                           | 90                                | 7100                          | 7100 | 6300 | 5300 | 5100 | 4200 | 4400 | 3600 | 3900 | 3200 |
| 630x65                    | 40                                | 7900                          | 7900 | 6800 | 5600 | 5600 | 4500 | 4800 | 3900 | 4300 | 3500 |
|                           | 90                                | 7400                          | 7400 | 6300 | 5200 | 5200 | 4200 | 4500 | 3600 | 4000 | 3200 |

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## Verandah Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x85                    | 40                                | 2900                          | 2800 | 2000 | 1800 | 1600 | 1200 | 1400 |      | 1200 |      |
|                           | 90                                | 2400                          | 2400 | 1800 | 1600 | 1500 | 1000 | 1300 |      | 1100 |      |
| 168x85                    | 40                                | 3800                          | 3700 | 2700 | 2700 | 2200 | 2100 | 1900 | 1600 | 1700 | 1300 |
|                           | 90                                | 3200                          | 3200 | 2500 | 2400 | 2000 | 1900 | 1700 | 1400 | 1500 | 1100 |
| 210x85                    | 40                                | 4300                          | 4300 | 3500 | 3300 | 2800 | 2700 | 2400 | 2300 | 2100 | 2000 |
|                           | 90                                | 3800                          | 3800 | 3200 | 3100 | 2600 | 2500 | 2200 | 2100 | 1900 | 1800 |
| 252x85                    | 40                                | 4900                          | 4800 | 4200 | 4000 | 3400 | 3300 | 2900 | 2800 | 2600 | 2500 |
|                           | 90                                | 4300                          | 4300 | 3800 | 3700 | 3200 | 3000 | 2700 | 2600 | 2400 | 2300 |
| 294x85                    | 40                                | 5300                          | 5300 | 4900 | 4800 | 4000 | 3800 | 3400 | 3300 | 3100 | 3000 |
|                           | 90                                | 4800                          | 4800 | 4300 | 4200 | 3700 | 3500 | 3200 | 3100 | 2800 | 2700 |
| 336x85                    | 40                                | 5800                          | 5700 | 5300 | 5300 | 4600 | 4400 | 3900 | 3800 | 3500 | 3400 |
|                           | 90                                | 5300                          | 5200 | 4700 | 4600 | 4300 | 4100 | 3600 | 3500 | 3300 | 3100 |
| 378x85                    | 40                                | 6200                          | 6200 | 5800 | 5700 | 5200 | 5100 | 4500 | 4300 | 4000 | 3800 |
|                           | 90                                | 5700                          | 5600 | 5100 | 5000 | 4700 | 4600 | 4100 | 4000 | 3700 | 3500 |
| 420x85                    | 40                                | 6600                          | 6500 | 6200 | 6100 | 5800 | 5600 | 5000 | 4800 | 4400 | 4200 |
|                           | 90                                | 6100                          | 6000 | 5500 | 5400 | 5000 | 5000 | 4600 | 4400 | 4100 | 3900 |
| 462x85                    | 40                                | 6900                          | 6900 | 6500 | 6500 | 6200 | 6100 | 5500 | 5200 | 4900 | 4500 |
|                           | 90                                | 6400                          | 6400 | 5800 | 5800 | 5400 | 5300 | 5100 | 4800 | 4500 | 4200 |
| 504x85                    | 40                                | 7300                          | 7300 | 6900 | 6900 | 6600 | 6400 | 5900 | 5500 | 5300 | 4900 |
|                           | 90                                | 6800                          | 6800 | 6200 | 6100 | 5700 | 5700 | 5400 | 5100 | 4900 | 4400 |
| 546x85                    | 40                                | 7600                          | 7600 | 7200 | 7200 | 6900 | 6700 | 6300 | 5700 | 5600 | 5100 |
|                           | 90                                | 7100                          | 7100 | 6500 | 6500 | 6100 | 6000 | 5700 | 5300 | 5200 | 4600 |
| 588x85                    | 40                                | 7900                          | 7900 | 7600 | 7500 | 7200 | 7000 | 6600 | 6100 | 5900 | 5300 |
|                           | 90                                | 7500                          | 7400 | 6800 | 6800 | 6400 | 6400 | 6000 | 5500 | 5400 | 4900 |
| 630x85                    | 40                                | 8300                          | 8200 | 7900 | 7800 | 7600 | 7200 | 6800 | 6200 | 6100 | 5500 |
|                           | 90                                | 7800                          | 7800 | 7200 | 7100 | 6700 | 6700 | 6300 | 5700 | 5700 | 5100 |

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## Verandah Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x115                   | 40                                | 3200                          | 3200 | 2400 | 2300 | 1900 | 1700 | 1600 | 1200 | 1400 | 1000 |
|                           | 90                                | 2700                          | 2700 | 2100 | 2100 | 1700 | 1400 | 1500 | 1100 | 1300 |      |
| 168x115                   | 40                                | 4000                          | 4000 | 3200 | 3100 | 2600 | 2500 | 2200 | 2100 | 1900 | 1800 |
|                           | 90                                | 3500                          | 3500 | 2900 | 2900 | 2400 | 2300 | 2000 | 1900 | 1800 | 1500 |
| 210x115                   | 40                                | 4600                          | 4600 | 4000 | 3900 | 3300 | 3200 | 2800 | 2700 | 2500 | 2400 |
|                           | 90                                | 4100                          | 4100 | 3600 | 3500 | 3100 | 2900 | 2600 | 2500 | 2300 | 2200 |
| 252x115                   | 40                                | 5100                          | 5100 | 4700 | 4700 | 4000 | 3800 | 3400 | 3300 | 3100 | 2900 |
|                           | 90                                | 4600                          | 4600 | 4100 | 4000 | 3700 | 3500 | 3200 | 3100 | 2800 | 2700 |
| 294x115                   | 40                                | 5600                          | 5600 | 5200 | 5200 | 4700 | 4500 | 4000 | 3900 | 3600 | 3400 |
|                           | 90                                | 5100                          | 5100 | 4600 | 4500 | 4200 | 4100 | 3700 | 3600 | 3300 | 3200 |
| 336x115                   | 40                                | 6100                          | 6100 | 5700 | 5600 | 5400 | 5200 | 4600 | 4400 | 4100 | 3900 |
|                           | 90                                | 5600                          | 5500 | 5000 | 4900 | 4600 | 4600 | 4300 | 4100 | 3800 | 3700 |
| 378x115                   | 40                                | 6500                          | 6500 | 6100 | 6100 | 5800 | 5700 | 5200 | 5100 | 4700 | 4400 |
|                           | 90                                | 6000                          | 6000 | 5400 | 5400 | 5000 | 5000 | 4700 | 4600 | 4300 | 4100 |
| 420x115                   | 40                                | 6900                          | 6900 | 6500 | 6500 | 6200 | 6200 | 5800 | 5700 | 5200 | 5100 |
|                           | 90                                | 6400                          | 6400 | 5800 | 5800 | 5400 | 5300 | 5100 | 5000 | 4800 | 4600 |
| 462x115                   | 40                                | 7300                          | 7300 | 6900 | 6900 | 6600 | 6600 | 6300 | 6300 | 5700 | 5600 |
|                           | 90                                | 6800                          | 6800 | 6200 | 6200 | 5800 | 5700 | 5500 | 5400 | 5200 | 5100 |
| 504x115                   | 40                                | 7700                          | 7600 | 7300 | 7300 | 7000 | 6900 | 6700 | 6700 | 6200 | 6200 |
|                           | 90                                | 7200                          | 7200 | 6600 | 6500 | 6100 | 6100 | 5800 | 5700 | 5500 | 5500 |
| 546x115                   | 40                                | 8000                          | 8000 | 7600 | 7600 | 7300 | 7300 | 7100 | 7000 | 6800 | 6700 |
|                           | 90                                | 7600                          | 7500 | 6900 | 6900 | 6500 | 6500 | 6100 | 6100 | 5900 | 5800 |
| 588x115                   | 40                                | 8400                          | 8400 | 8000 | 8000 | 7700 | 7600 | 7400 | 7400 | 7200 | 7100 |
|                           | 90                                | 7900                          | 7900 | 7300 | 7200 | 6800 | 6800 | 6500 | 6400 | 6200 | 6200 |
| 630x115                   | 40                                | 8700                          | 8700 | 8300 | 8300 | 8000 | 8000 | 7700 | 7700 | 7500 | 7500 |
|                           | 90                                | 8200                          | 8200 | 7600 | 7600 | 7100 | 7100 | 6800 | 6800 | 6500 | 6500 |

*Not all sizes of NeXTimber® GL13 are stocked in each state. Please check with your Account Manager for availability.*

## Verandah Beam - GL13 Straight

### Single Span

### AS 4055 Wind Classification N1, N2, N3 & N4

| Roof Load width (mm)      |                                   | 1500                          |      | 3000 |      | 4500 |      | 6000 |      | 7500 |      |
|---------------------------|-----------------------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| Rafter/Truss Spacing (mm) |                                   | 600                           | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 | 600  | 1200 |
| Member Size<br>D x B (mm) | Roof Mass<br>(kg/m <sup>2</sup> ) | Maximum Recommended Span (mm) |      |      |      |      |      |      |      |      |      |
| 126x135                   | 40                                | 3400                          | 3400 | 2600 | 2500 | 2000 | 2000 | 1800 | 1500 | 1600 | 1200 |
|                           | 90                                | 2800                          | 2800 | 2300 | 2200 | 1900 | 1700 | 1600 | 1200 | 1500 | 1000 |
| 168x135                   | 40                                | 4100                          | 4100 | 3500 | 3400 | 2800 | 2700 | 2400 | 2300 | 2100 | 2100 |
|                           | 90                                | 3600                          | 3600 | 3000 | 3000 | 2600 | 2500 | 2200 | 2100 | 2000 | 1800 |
| 210x135                   | 40                                | 4700                          | 4700 | 4300 | 4200 | 3600 | 3400 | 3100 | 3000 | 2700 | 2700 |
|                           | 90                                | 4200                          | 4200 | 3700 | 3700 | 3300 | 3200 | 2800 | 2800 | 2500 | 2400 |
| 252x135                   | 40                                | 5300                          | 5200 | 4900 | 4800 | 4300 | 4100 | 3700 | 3600 | 3300 | 3200 |
|                           | 90                                | 4800                          | 4700 | 4200 | 4200 | 3900 | 3800 | 3400 | 3300 | 3100 | 3000 |
| 294x135                   | 40                                | 5800                          | 5700 | 5400 | 5300 | 5100 | 4900 | 4400 | 4200 | 3900 | 3700 |
|                           | 90                                | 5300                          | 5200 | 4700 | 4700 | 4400 | 4300 | 4000 | 3900 | 3600 | 3500 |
| 336x135                   | 40                                | 6300                          | 6200 | 5900 | 5800 | 5500 | 5500 | 5000 | 4900 | 4500 | 4300 |
|                           | 90                                | 5800                          | 5700 | 5200 | 5100 | 4800 | 4700 | 4500 | 4400 | 4200 | 4000 |
| 378x135                   | 40                                | 6700                          | 6700 | 6300 | 6300 | 6000 | 6000 | 5700 | 5500 | 5100 | 4900 |
|                           | 90                                | 6200                          | 6200 | 5600 | 5500 | 5200 | 5100 | 4900 | 4800 | 4700 | 4500 |
| 420x135                   | 40                                | 7100                          | 7100 | 6700 | 6700 | 6400 | 6400 | 6100 | 6100 | 5600 | 5500 |
|                           | 90                                | 6600                          | 6600 | 6000 | 6000 | 5600 | 5500 | 5300 | 5200 | 5000 | 5000 |
| 462x135                   | 40                                | 7500                          | 7500 | 7100 | 7100 | 6800 | 6800 | 6500 | 6500 | 6200 | 6100 |
|                           | 90                                | 7000                          | 7000 | 6400 | 6400 | 6000 | 6000 | 5700 | 5600 | 5400 | 5300 |
| 504x135                   | 40                                | 7900                          | 7800 | 7500 | 7500 | 7200 | 7200 | 6900 | 6900 | 6700 | 6700 |
|                           | 90                                | 7400                          | 7400 | 6800 | 6800 | 6400 | 6300 | 6000 | 6000 | 5800 | 5700 |
| 546x135                   | 40                                | 8200                          | 8200 | 7900 | 7800 | 7600 | 7500 | 7300 | 7300 | 7100 | 7000 |
|                           | 90                                | 7800                          | 7800 | 7200 | 7100 | 6700 | 6700 | 6400 | 6300 | 6100 | 6100 |
| 588x135                   | 40                                | 8600                          | 8600 | 8200 | 8200 | 7900 | 7900 | 7600 | 7600 | 7400 | 7400 |
|                           | 90                                | 8100                          | 8100 | 7500 | 7500 | 7100 | 7000 | 6700 | 6700 | 6400 | 6400 |
| 630x135                   | 40                                | 8900                          | 8900 | 8600 | 8600 | 8200 | 8200 | 8000 | 7900 | 7700 | 7700 |
|                           | 90                                | 8500                          | 8500 | 7900 | 7800 | 7400 | 7400 | 7000 | 7000 | 6700 | 6700 |

*Not all sizes of NeXTimber® GL13 are stocked in each state. Please check with your Account Manager for availability.*

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