City Timber
Timber Wholesaler

LVL e14

Span Tables

SUPARED LVL

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Evolution Forest Products

LVL e14

Span Tables

02	**Floor Joists**	**Bearers** Supporting floor loads only
03	**Floor Joists**	**Single Span Bearers** Supporting floor loads only
04	**Floor Joists**	**Continuous Span Bearers** Supporting floor loads only
05	**Lintels**	**Sheet Roof** Single or Upper Storey Wall
06	**Lintels**	**Tile Roof** Single or Upper Storey Wall
07	**Lintels**	**Supporting Truncated Girder** Hip Ends Only: Sheet Roof
08	**Lintels**	**Supporting Truncated Girder** Hip Ends Only: Tile Roof
09	**Lintels**	**Sheet Roof** Lower Storey Wall
10	**Lintels**	**Tile Roof** Lower Storey Wall
11	**Rafters or Roofing Purlins**	
15	**Verandah & Pergola Beams**	
18	**Ridge or Intermediate Beams**	

LVL e14 Floor Joists

Bearers

Supporting Floor Loads Only

Based on maximum Floor Mass - 40 kg/m²

Table 1

Joint Spacing (mm)	300	400	450	600	300	400	450	600
Size DxB (mm)	Maximum Recommended Floor Joist Span (mm)							
	Single Span				Continuous Span			
90x45	2100	1900	1800	1700	2600	2300	2100	1900
140x45	3900	3200	3000	2700	4500	4000	3600	3200
190x45	4900	4500	4300	3800	5700	5300	5100	4500
240x45	5800	5400	5300	4900	6700	6300	6100	5700
290x45	6700	6200	6100	5600	7800	7300	7100	6500
300x45	6900	6400	6200	5800	8000	7500	7200	6700
360x45	7900	7400	7100	6600	9200	8600	8300	7700
90x63	2500	2100	2000	1900	3200	2600	2400	2200
140x63	4200	3600	3400	3100	4900	4600	4200	3600
190x63	5300	4900	4800	4300	6200	5700	5600	5100
240x63	6300	5900	5700	5300	7400	6900	6700	6200
290x63	7300	6800	6600	6100	8500	7900	7700	7100
300x63	7500	7000	6800	6300	8700	8100	7900	7300
360x63	8500	8000	7800	7200	10500	9300	9000	8400

Table values relate to allowable Maximum Span in mm

Loadings: permanent - self weight + 40 kg/m² + 0.5kPa of the live load, floor live load - 1.5 kPa or floor point load of 1.8kN

Notes:

1. D=member depth, B=member breadth, NS=not suitable.
2. Spans are suitable for solid timber, particleboard and plywood flooring, floor sheeting that's glued & nailed to joists will improve floor rigidity. When heavy overlaid material will be applied (e.g. mortar bed tiled floors) the permanent load allowance should be increased to 1.2kPa. A reduction of joist spacing may be used to accommodate this extra load. A satisfactory result can be achieved by adopting the maximum spans for 600mm & 450mm spacing, but installing joists at 450mm & 350mm spacings respectively.
3. For beams that are continuous over two unequal spans, the design span & resultant span description, depend on the percentage span differences between the two spans. **Span Difference maximum 10%**: Effective Span = Main Span. Resultant Span Description=Continuous. **Span Difference 10-30%**: Effective Span = 1.1 x Main Span. Resultant Span Description=Continuous. **Span Difference Greater Than 30%**: Effective Span = Main Span. Resultant Span Description=Single. Where **Span Difference % = (main span - second span)/(main span + second span)** multiplied by **100**.
4. End bearing lengths = 45mm at end supports & 63mm at internal supports for continuous members.

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
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NS: Not Suitable

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LVL e14 Floor Joists

Single Span Bearers

Supporting Floor Loads Only

Based on maximum Floor Mass - 40 kg/m²

Table 1

Floor load width (mm)	1200	1800	2400	3000	3600	4200	4800	5400	6000	6600
Size DxB (mm)	Maximum Recommended Bearer Span (mm)									
	Single Span									
90x45	1600	1400	1300	1200	1100	1000	1000	NS	NS	NS
140x45	2500	2200	2000	1800	1700	1600	1500	1500	1400	1400
190x45	3400	3000	2700	2500	2300	2200	2100	2000	1900	1900
240x45	4100	3700	3400	3200	3000	2800	2700	2500	2400	2400
290x45	4700	4300	4000	3800	3600	3400	3200	3100	3000	2900
300x45	4900	4400	4100	3900	3700	3500	3300	3200	3100	3000_{5}
360x45	5600	5000	4700	4400	4200	4000	3900	3800_{5}	3700_{10}	3600_{20}
2/90x45	2000	1800	1600	1500	1400	1300	1200	1200	1100	1100
2/140x45	3200	2800	2500	2300	2200	2000	1900	1900	1800	1700
2/190x45	4100	3700	3400	3100	2900	2800	2700	2500	2400	2300
2/240x45	4800	4400	4100	3900	3700	3500	3400	3200	3100	3000
2/290x45	5600	5100	4700	4400	4200	4100	3900	3800	3700	3600
2/300x45	5700	5200	4800	4600	4400	4200	4000	3900	3800	3700
2/360x45	6500	5900	5500	5200	5000	4800	4600	4500	4300	4200
90x63	1800	1600	1400	1300	1200	1100	1100	1000	1000	1000
140x63	2800	2500	2200	2000	1900	1800	1700	1600	1600	1500
190x63	3700	3300	3000	2800	2600	2500	2400	2300	2200	2100
240x63	4500	4000	3700	3500	3300	3100	3000	2900	2700	2600
290x63	5100	4700	4300	4100	3900	3700	3600	3500	3300	3200
300x63	5300	4800	4400	4200	4000	3800	3700	3600	3400	3300
360x63	6000	5500	5100	4800	4600	4400	4200	4100	4000	3900

Table values relate to allowable Maximum Span in mm.

Loadings: permanent - self weight + 40 kg/m² + 0.5kPa of the live load, floor live load - 1.5 kPa or floor point load of 1.8kN

Notes:

1. D=member depth, B=member breadth, NS=not suitable.
2. End bearing lengths = 70mm at end supports & 90mm at internal supports for continuous members. On subscript values i.e. 3700_{+10} the 10 indicates the minimum additional bearing length where required to be greater than 70mm at end supports & 90mm at internal supports.
3. Restraint value for slenderness calculations is 600mm (floor joist centres at 600mm maximum).

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
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Legend
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LVL e14 Floor Joists

Continuous Span Bearers

Supporting Floor Loads Only

Based on maximum Floor Mass - 40 kg/m²

Table 1

Floor load width (mm)	1200	1800	2400	3000	3600	4200	4800	5400	6000	6600
Size DxB (mm)	Maximum Recommended Bearer Span (mm)									
	Continuous span									
90x45	2000	1800	1600	1500	1400	1300	1300	1200	1100	1100
140x45	3200	2800	2500	2300	2200	2100	1900	1800	1700	1600
190x45	4000	3600	3400	3200	3000	2700_{5}	2600_{10}	2400_{15}	2300_{25}	2200_{30}
240x45	4800	4300	4000	3800	3600_{15}	3400_{25}	3200_{35}	3000_{50}	2800_{65}	2700_{70}
290x45	5500	5000	4600	4400_{15}	4200_{30}	4000_{55}	3800_{75}	3600_{85}	3400_{95}	3200_{100}
300x45	5700	5100	4700	4500_{15}	4300_{35}	4100_{65}	3900_{80}	3700_{90}	3500_{100}	3300_{110}
360x45	6500	5800	5400_{15}	5100_{35}	4900_{65}	4700_{90}	4600_{105}	4300_{120}	4100_{135}	3900_{145}
2/90x45	2600	2200	2000	1900	1800	1700	1600	1500	1500	1400
2/140x45	3800	3400	3200	2900	2800	2600	2500	2400	2300	2200
2/190x45	4800	4300	4000	3800	3600	3500	3400	3300	3200	3100
2/240x45	5700	5100	4800	4500	4300	4100	4000	3900	3800	3700_{10}
2/290x45	6600	5900	5500	5200	5000	4800	4600	4500_{10}	4400_{20}	4300_{30}
2/300x45	6700	6100	5600	5300	5100	4900	4700_{5}	4600_{10}	4500_{20}	4400_{30}
2/360x45	7700	6900	6500	6100	5900	5600_{5}	5400_{15}	5300_{25}	5100_{40}	5000_{65}
90x63	2300	2000	1800	1700	1600	1500	1400	1300	1300	1300
140x63	3500	3100	2800	2600	2400	2300	2200	2100	2000	1900
190x63	4400	3900	3700	3500	3300	3200	3000	2800	2700_{5}	2600_{10}
240x63	5200	4700	4400	4100	3900	3800	3700_{10}	3500_{20}	3300_{30}	3200_{35}
290x63	6000	5400	5000	4800	4500_{5}	4400_{15}	4200_{30}	4100_{40}	4000_{65}	3800_{75}
300x63	6200	5500	5200	4900	4700_{5}	4500_{15}	4300_{35}	4200_{50}	4100_{70}	3900_{80}
360x63	7100	6400	5900	5600_{5}	5400_{20}	5100_{35}	5000_{65}	4800_{80}	4700_{90}	4600_{105}

Table values relate to allowable Maximum Span in mm.

Loadings: permanent - self weight + 40 kg/m² + 0.5kPa of the live load, floor live load - 1.5 kPa or floor point load of 1.8kN

Notes:

1. D=member depth, B=member breadth, NS=not suitable.
2. End bearing lengths = 70mm at end supports & 90mm at internal supports for continuous members. On subscript values i.e. 3700_{+10} the 10 indicates the minimum additional bearing length where required to be greater than 70mm at end supports & 90mm at internal supports.
3. Restraint value for slenderness calculations is 600mm (floor joist centres at 600mm maximum).

Important:

These Span Tables only apply to City Timber's LVL e14 products.
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Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
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Legend
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LVL e14 Lintels

Sheet Roof

Single or Upper Storey Load Bearing Wall

Based on maximum Roof Mass 40 kg/m²

Table 1

	Roof Load Width (mm)									
	1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)	600	1200	600	1200	600	1200	600	1200	600	1200
Size DxB (mm)	**Maximum Lintel Span (mm)**									
90x35	1700	0	1400	1200	1200	800	1100	NS	800	NS
140x35	2700	2700	2200	2200	1900	1900	1700	1400_{+10}	1500_{+5}	900_{+5}
150x35	2900	2900	2300	2300	2000	2000	1800	1600_{+5}	1600	1300_{+5}
190x35	3500	3500	3000	3000	2600	2600_{+10}	2300_{+15}	2300_{+10}	2100_{+20}	2000_{+20}
200x35	3600	3600	3100	3100	2700_{+5}	2800_{+10}	2500_{+15}	2400_{+20}	2300_{+15}	2100_{+20}
240x35	4200	4200	3500	3500	3200_{+5}	3200_{+10}	3000_{+15}	2900_{+25}	2700_{+25}	2600_{+35}
300x35	4900	4900	4200	4200_{+5}	3800_{+15}	3800_{+15}	3500_{+30}	3500_{+25}	3300_{+25}	3200_{+35}
90x45	1900	1800	1500	1300	1300	1000	1200	700	1100	NS
140x45	2900	2900	2400	2400	2100	2000	1900	1800	1700	1500_{+5}
150x45	3100	3100	2500	2600	2200	2200	2000	2000	1900	1700_{+5}
190x45	3700	3700	3200	3100	2800	2800	2600	2600_{+15}	2400_{+10}	2300_{+10}
200x45	3900	3800	3300	3300	3000	3000	2700_{+5}	2700_{+10}	2500_{+10}	2500_{+20}
240x45	4400	4400	3800	3700	3400	3400	3200_{+5}	3200_{+10}	3000_{+10}	2900_{+25}
300x45	5200	5200	4500	4400	4000_{+10}	4000_{+15}	3800_{+15}	3700_{+15}	3600_{+30}	3500_{+25}
360x45	6000	6000	5100	5100_{+5}	4700_{+5}	4600_{+10}	4300_{+20}	4300_{+25}	4100_{+30}	4100_{+30}
400x45	6400	6400	5500	5500_{+5}	5000_{+15}	5000_{+20}	4700_{+15}	4700_{+25}	4400_{+35}	4400_{+40}
90x63	2100	2100	1700	1600	1500	1300	1300	1100	1300	900
140x63	3200	3200	2600	2700	2300	2300	2100	2100	1900	1900
150x63	3400	3300	2800	2800	3500	2600	2300	2300	2100	2100
190x63	4000	4000	3400	3400	3100	3100	2900	2900	2700	2700_{+5}
200x63	4200	4200	3600	3500	3200	3200	3000	3000	2800	2800_{+5}
240x63	4800	4800	4100	4100	3700	3700	3500	3400	3300	3300_{+5}
300x63	5600	5600	4800	4800	4400	4400	4100_{+5}	4100_{+10}	3900_{+10}	3900_{+10}
360x63	6400	6400	5500	5500	5000	5000_{+5}	4700_{+10}	4700_{+5}	4500_{+10}	4500_{+20}
400x63	6900	6900	6000	5900	5400_{+5}	5400_{+10}	5100_{+10}	5100_{+15}	4800_{+25}	4800_{+30}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Minimum Bearing Length**
   35mm at End Supports
2. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm i.e. 5400_{+10} = additional 10mm as minimum bearing length required

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable

LVL e14 Lintels

Tile Roof

Single or Upper Storey Load Bearing Wall

Based on maximum Roof Mass 90 kg/m²

Table 2

	Roof Load Width (mm)									
	1500		3000		4500		6000		7500	
Rafter/Truss Spacing (mm)	600	1200	600	1200	600	1200	600	1200	600	1200
Size DxB (mm)	**Maximum Lintel Span (mm)**									
90x35	1400	1300	1100	900	1000	700	900	600_{+10}	800	NS
140x35	2100	2100	1700	1600	1500	1300	1400_{+5}	1100_{+10}	1200_{+15}	1000_{+20}
150x35	2300	2300	1800	1800	1600	1500_{+10}	1400_{+10}	1300_{+10}	1300_{+15}	1100_{+20}
190x35	2900	2900	2300	2300	2000	2000_{+10}	1800_{+5}	1800_{+20}	1700_{+15}	1600_{+35}
200x35	3000	3000	2400	2400_{+5}	2100_{+10}	2100_{+10}	1900_{+10}	1900_{+20}	1700_{+15}	1700_{+35}
240x35	3500	3400	2900	2900_{+10}	2500_{+15}	2500_{+25}	2300_{+25}	2200_{+25}	2100_{+40}	2100_{+35}
300x35	4100	4100	3500_{+10}	3400_{+10}	3100_{+20}	3100_{+30}	2900_{+40}	2900_{+55}	2700_{+45}	2700_{+65}
90x45	1500	1400	1300	1000	1100	800	900	700	900	600_{+5}
140x45	2300	2400	1800	1800	1600	1500	1500	1300	1400_{+5}	1200_{+10}
150x45	2500	2600	2000	1900	1700	1700	1500	1400_{+10}	1400_{+10}	1300_{+10}
190x45	3100	3100	2500	2500	2200	2100_{+5}	2000	1900_{+10}	1800_{+5}	1800_{+20}
200x45	3200	3200	2600	2700	2300	2300_{+5}	2100_{+10}	2000_{+10}	1900_{+5}	1900_{+20}
240x45	3700	3600	3100	3100	2800_{+10}	2800_{+15}	2500_{+15}	2500_{+25}	2300_{+20}	2300_{+25}
300x45	4300	4300	3700_{+5}	3600	3300_{+5}	3300_{+10}	3100_{+20}	3100_{+30}	2900_{+35}	2900_{+50}
360x45	5000	5000	4200_{+5}	4200_{+10}	3800_{+20}	3800_{+15}	3600_{+35}	3500_{+30}	3400_{+30}	3300_{+45}
400x45	5400	5400	4600_{+5}	4500_{+10}	4100_{+20}	4100_{+20}	3900_{+35}	3800_{+30}	3700_{+55}	3600_{+40}
90x63	1700	1600	1400	1200	1200	900	1100	800	1000	700
140x63	2600	2600	2100	2000	1800	1800	1600	1500	1500	1400
150x63	2800	2800	2200	2200	1900	1900	1700	1700	1600	1500_{+5}
190x63	3400	3300	2800	2800	2400	2500	2200	2200	2100_{+5}	2000_{+5}
200x63	3500	3500	2900	2900	2600	2600	2300	2300	2200_{+5}	2100_{+10}
240x63	4000	4000	3400	3300	3100	3000	2800_{+5}	2800_{+15}	2600_{+10}	2700_{+20}
300x63	4700	4700	4000	4000	3600_{+5}	3600	3400_{+5}	3300_{+10}	3200_{+15}	3200_{+20}
360x63	5400	5400	4600	4600	4200_{+10}	4200_{+15}	3900_{+15}	3900_{+15}	3700_{+30}	3600_{+25}
400x63	5800	5800	5000	4900_{+5}	4500_{+5}	4500_{+15}	4200_{+25}	4200_{+15}	4000_{+30}	4000_{+25}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Minimum Bearing Length**
   35mm at End Supports
2. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm i.e. 5400_{+10} = additional 10mm as minimum bearing length required

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
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Legend
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LVL e14 Lintel
Supporting Truncated Girder

Hip Ends Only: Sheet Roof

Girder Truss Setback 2700mm

Based on maximum Roof Mass 40 kg/m²

Table 3

	Truss Span (mm)							
	6000		9000		12000		15000	
Truss Spacing	600	1200	600	1200	600	1200	600	1200
GT setback (mm)	2700	2700	2700	2700	2700	2700	2700	2700
Size DxB (mm)	**Maximum Lintel Span (mm)**							
90x35	500	1500	1500	1500	1500	1500	1500	1500
140x35	2300_{+5}	2300_{+15}	2300_{+25}	2300_{+35}	2300_{+35}	2300_{+55}	2300_{+50}	2300_{+70}
150x35	2400_{+5}	2400_{+15}	2300_{+20}	2300_{+30}	2300_{+35}	2300_{+50}	2300_{+50}	2300_{+70}
190x35	2700_{+5}	2700_{+10}	2600_{+15}	2500_{+25}	2500_{+30}	2500_{+45}	2500_{+45}	2500_{+65}
200x35	2800_{+5}	2800_{+5}	2700_{+15}	2500_{+25}	2500_{+30}	2500_{+45}	2600_{+40}	2500_{+60}
240x35	3200_{+10}	3200_{+5}	3000_{+20}	2900_{+20}	2900_{+30}	2600_{+40}	2600_{+45}	2600_{+60}
300x35	3700_{+10}	3700_{+10}	3500_{+25}	3400_{+25}	3300_{+35}	3100_{+40}	3100_{+50}	2700_{+55}
90x45	1600	1600	1600	1600	1600	1600	1600	1600
140x45	2400	2400	2300_{+10}	2400_{+15}	2300_{+20}	2300_{+30}	2300_{+30}	2300_{+45}
150x45	2500	2500	2400_{+5}	2400_{+15}	2400_{+20}	2400_{+30}	2400_{+30}	2400_{+45}
190x45	2900	2900	2800_{+5}	2700_{+10}	2700_{+15}	2500_{+25}	2500_{+25}	2500_{+40}
200x45	3000	3000	2900_{+5}	2800_{+10}	2800_{+15}	2600	2500_{+25}	2500_{+40}
240x45	3500	3400	3200_{+10}	3200_{+10}	3100_{+20}	3000_{+20}	2900_{+30}	2600_{+35}
300x45	4000	4000	3700_{+10}	3700_{+15}	3600_{+25}	3400_{+25}	3400_{+30}	3200_{+35}
360x45	4500_{+5}	4500_{+5}	4200_{+15}	4200_{+15}	4000_{+30}	4000_{+30}	3800_{+35}	3600_{+40}
400x45	4900_{+5}	4900_{+5}	4600_{+20}	4600_{+20}	4400_{+30}	4300_{+30}	4200_{+40}	3900_{+40}
90x63	1800	1800	1800	1800	1800	1800	1800	1800
140x63	2500	2500	2500	2500	2400	2400_{+10}	2400_{+10}	2400_{+20}
150x63	2600	2600	2600	2500	2500	2500_{+10}	2500_{+10}	2400_{+20}
190x63	3200	3100	3000	2900	2900	2800_{+5}	2800_{+10}	2700_{+15}
200x63	3300	3200	3100	3000	3000_{+5}	2900_{+5}	2900_{+10}	2800_{+15}
240x63	3900	3700	3500	3400	3300_{+5}	3300_{+5}	3200_{+10}	3100_{+15}
300x63	4300	4300	4000	4000	3800_{+10}	3800_{+10}	3700_{+15}	3600_{+20}
360x63	4900	4900	4600_{+5}	4600_{+5}	4400_{+10}	4300_{+15}	4200_{+20}	4100_{+20}
400x63	5300	5300	5000_{+5}	5000_{+5}	4700_{+15}	4700_{+15}	4500_{+25}	4500_{+25}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Tabled Data**
   Based on Lintel setback (mm) of 400, Lintel setback (mm) of 600
2. **Minimum Bearing Length**
   35mm at End Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm i.e. 5400_{+10} = additional 10mm as minimum bearing length required

Important:

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LVL e14 Lintel
Supporting Truncated Girder

Hip Ends Only: Tile Roof

Girder Truss Setback 2400mm

Based on maximum Roof Mass 90 kg/m²

Table 4

	Truss Span (mm)							
	6000		9000		12000		15000	
Truss Spacing	600	1200	600	1200	600	1200	600	1200
GT setback (mm)	2400	2400	2400	2400	2400	2400	2400	2400
Size DxB (mm)	**Maximum Lintel Span (mm)**							
90x35	1300	1400	1300	1400	1300	1400	1300	1400
140x35	2000	2000_{+30}	2000_{+40}	2000_{+55}	2000_{+55}	2000_{+80}	2000_{+75}	2000_{+105}
150x35	2000_{+20}	2000_{+25}	2000_{+35}	2000_{+55}	2000_{+55}	2000_{+80}	2000_{+75}	2000_{+105}
190x35	2200_{+15}	2200_{+20}	2200_{+30}	2200_{+50}	2100_{+50}	2100_{+70}	2100_{+70}	2100_{+100}
200x35	2300_{+10}	2300_{+20}	2200_{+30}	2200_{+45}	2200_{+50}	2100_{+70}	2100_{+65}	2100_{+95}
240x35	2600_{+20}	2600_{+15}	2500_{+30}	2400_{+40}	2400_{+50}	2300_{+60}	2300_{+65}	2300_{+90}
300x35	3100_{+20}	3100_{+20}	2900_{+40}	2900_{+40}	2800_{+55}	2700_{+55}	2700_{+70}	2400_{+80}
90x45	1400	1500	1400	1500	1400	1500	1400	1500
140x45	2000_{+5}	2000_{+15}	2000_{+20}	2000_{+35}	2000_{+35}	2000_{+50}	2000_{+50}	2000_{+70}
150x45	2100_{+5}	2100_{+15}	2000_{+20}	2100_{+30}	2000_{+35}	2000_{+50}	2000_{+50}	2000_{+70}
190x45	2400_{+5}	2300_{+10}	2300_{+15}	2200_{+25}	2200_{+30}	2200_{+45}	2200_{+45}	2100_{+65}
200x45	2400_{+5}	2400_{+5}	2300_{+15}	2300_{+25}	2300_{+30}	2200_{+45}	2200_{+40}	2200_{+65}
240x45	2900	2800_{+5}	2600_{+20}	2600_{+20}	2500_{+30}	2400_{+40}	2400_{+45}	2300_{+55}
300x45	3300_{+10}	3300_{+10}	3100_{+25}	3100_{+25}	3000_{+35}	2900_{+40}	2800_{+50}	2700_{+55}
360x45	3800_{+15}	3800_{+15}	3500_{+30}	3500_{+30}	3400_{+40}	3300_{+45}	3200_{+55}	3100_{+60}
400x45	4100_{+15}	4100_{+15}	3800_{+30}	3800_{+35}	3600_{+45}	3500_{+50}	3500_{+60}	3400_{+65}
90x63	1600	1600	1600	1600	1600	1600	1600	1600
140x63	2100	2100	2100_{+5}	2100_{+15}	2100_{+15}	2100_{+25}	2000_{+25}	2000_{+40}
150x63	2200	2200	2100	2100_{+10}	2100_{+15}	2100_{+25}	2100_{+25}	2100_{+40}
190x63	2600	2500	2400	2400_{+10}	2300_{+10}	2300_{+20}	2300_{+20}	2200_{+35}
200x63	2700	2600	2500_{+5}	2400_{+5}	2400_{+10}	2300_{+20}	2300_{+20}	2300_{+35}
240x63	3200	3000	2900_{+5}	2800_{+5}	2700_{+15}	2600_{+15}	2600_{+25}	2500_{+25}
300x63	3600	3600	3400_{+10}	3300_{+10}	3200_{+20}	3100_{+20}	3100_{+30}	3000_{+30}
360x63	4200_{+5}	4100_{+5}	3900_{+15}	3800_{+15}	3600_{+25}	3600_{+25}	3500_{+35}	3400_{+35}
400x63	4500_{+5}	4500_{+5}	4200_{+15}	4100_{+15}	3900_{+25}	3900_{+30}	3800_{+35}	3700_{+40}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Tabled Data**
   Based on Lintel setback (mm) of 400, Lintel setback (mm) of 600
2. **Minimum Bearing Length**
   35mm at End Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm i.e. 5400_{+10} = additional 10mm as minimum bearing length required

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable

August 2025. Please check website for latest release.
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BMP715957
SA-PEFC-COC-004292

LVL e14 Lintels

Sheet Roof

Lower Storey Load Bearing Walls

Based on maximum Sheet Roof Mass 40 kg/m²

Table 5

	Roof Load Width (mm)									
	1500		3000		4500		6000		7500	
Upper Floor Load Width (mm)	1800	3600	1800	3600	1800	3600	1800	3600	1800	3600
Size DxB (mm)	**Maximum Lintel Span (mm)**									
90x35	1100	1000	1100	900	1000	900	1000	800	900	800
140x35	1700	1400	1600	1400	1500	1300_{+5}	1400	1300_{+5}	1400	1200_{+5}
150x35	1800	1500_{+5}	1700	1500_{+5}	1600	1400_{+5}	1500	1400_{+5}	1500	1300_{+10}
190x35	2300	1900_{+15}	2100	1800_{+15}	2000	1800_{+15}	1900_{+5}	1700_{+15}	1900_{+5}	1700_{+20}
200x35	2400	2000_{+15}	2300	1900_{+15}	2100_{+5}	1900_{+20}	2000_{+5}	1800_{+20}	2000_{+10}	1800_{+20}
240x35	2900_{+5}	2400_{+25}	2700_{+5}	2300_{+25}	2600_{+10}	2200_{+30}	2400_{+10}	2200_{+30}	2300_{+15}	2100_{+30}
300x35	3400_{+15}	3000_{+40}	3300_{+15}	2900_{+40}	3100_{+20}	2800_{+40}	3000_{+25}	2700_{+45}	2900_{+30}	2600_{+50}
90x45	1200	1000	1100	1000	1100	900	1000	900	1000	900
140x45	1800	1500	1700	1500	1600	1400	1600	1400	1500	1300
150x45	2000	1700	1800	1600	1700	1500	1700	1500	1600	1400
190x45	2500	2100_{+5}	2300	2000_{+5}	2200	1900_{+10}	2100	1900_{+10}	2000	1800_{+10}
200x45	2600	2200_{+10}	2500	2100_{+10}	2300	2000_{+10}	2200	2000_{+10}	2100	1900_{+10}
240x45	3100	2700_{+15}	3000	2500_{+15}	2800	2500_{+20}	2700_{+5}	2400_{+20}	2600_{+10}	2300_{+20}
300x45	3700_{+5}	3200_{+25}	3500_{+5}	3100_{+30}	3400_{+10}	3000_{+30}	3200_{+15}	3000_{+30}	3100_{+20}	2900_{+35}
360x45	4200_{+10}	3700_{+35}	4000_{+15}	3600_{+35}	3900_{+15}	3500_{+40}	3700_{+20}	3400_{+40}	3600_{+25}	3300_{+45}
400x45	4600_{+15}	4000_{+40}	4300_{+15}	3900_{+45}	4200_{+20}	3800_{+45}	4000_{+25}	3700_{+50}	3900_{+30}	3600_{+50}
90x63	1400	1100	1300	1100	1200	1000	1100	1000	1100	1000
140x63	2100	1700	1900	1700	1800	1600	1700	1500	1700	1500
150x63	2200	1900	2100	1800	2000	1700	1900	1700	1800	1600
190x63	2800	2300	2600	2300	2500	2200	2400	2100	2300	2000
200x63	2900	2500	2800	2400	2600	2300	2500	2200	2400	2100_{+5}
240x63	3400	3000_{+5}	3200	2900_{+5}	3100	2800_{+10}	3000	2700_{+10}	2900	2600_{+10}
300x63	4000	3500_{+15}	3800	3400_{+15}	3700	3300_{+15}	3500_{+5}	3200_{+20}	3400_{+5}	3200_{+20}
360x63	4600	4000_{+20}	4400	3900_{+20}	4200_{+5}	3800_{+25}	4100_{+10}	3700_{+25}	3900_{+10}	3600_{+25}
400x63	5000_{+5}	4400_{+25}	4700_{+5}	4200_{+25}	4500_{+10}	4100_{+30}	4400_{+10}	4000_{+30}	4300_{+15}	3900_{+30}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Tabled Data**
   Based on Total Upper Floor Mass 40 kg/ m², Floor Live Load of 1.5kPa, Floor Point Load of 1.8kN
2. **Minimum Bearing Length**
   35mm at End Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm i.e. 5400_{+10} = additional 10mm as minimum bearing length required

Important:

These Span Tables only apply to City Timber's LVL e14 products.
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Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable

LVL e14 Lintels

Tile Roof

Lower Storey Load Bearing Walls

Based on maximum Sheet Roof Mass 90 kg/m²

Table 6

	Roof Load Width (mm)									
	1500		3000		4500		6000		7500	
Upper Floor Load Width (mm)	1800	3600	1800	3600	1800	3600	1800	3600	1800	3600
Size DxB (mm)	**Maximum Lintel Span (mm)**									
90x35	1100	900	900	800	900	800	800	700	800	700
140x35	1600	1300$_{+5}$	1400	1200$_{+5}$	1300	1200$_{+5}$	1200$_{+5}$	1100$_{+10}$	1100$_{+10}$	1100$_{+15}$
150x35	1700	1400$_{+5}$	1500	1300$_{+5}$	1400	1300$_{+10}$	1300$_{+5}$	1200$_{+15}$	1200$_{+10}$	1100$_{+15}$
190x35	2100	1800$_{+15}$	1900$_{+5}$	1700$_{+15}$	1700$_{+10}$	1600$_{+20}$	1600$_{+15}$	1500$_{+25}$	1500$_{+25}$	1400$_{+30}$
200x35	2200	1900$_{+15}$	2000$_{+5}$	1800$_{+20}$	1800$_{+15}$	1700$_{+25}$	1700$_{+20}$	1600$_{+25}$	1600$_{+25}$	1500$_{+35}$
240x35	2700$_{+5}$	2300$_{+25}$	2400$_{+15}$	2100$_{+30}$	2200$_{+20}$	2000$_{+35}$	2100$_{+30}$	1900$_{+40}$	1900$_{+35}$	1800$_{+45}$
300x35	3200$_{+15}$	2900$_{+40}$	3000$_{+25}$	2700$_{+45}$	2800$_{+35}$	2500$_{+50}$	2600$_{+45}$	2400$_{+55}$	2400$_{+55}$	2300$_{+65}$
90x45	1100	1000	1000	900	900	800	900	800	800	800
140x45	1700	1500	1500	1400	1400	1300	1300	1200$_{+5}$	1200	1200$_{+5}$
150x45	1800	1600	1600	1500	1500	1400	1400	1300$_{+5}$	1300$_{+5}$	1200$_{+10}$
190x45	2300	2000$_{+5}$	2100	1800$_{+10}$	1900$_{+5}$	1700$_{+10}$	1800$_{+10}$	1600$_{+15}$	1700$_{+15}$	1600$_{+20}$
200x45	2400	2100$_{+10}$	2200	1900$_{+10}$	2000$_{+5}$	1800$_{+15}$	1900$_{+10}$	1700$_{+20}$	1800$_{+15}$	1700$_{+25}$
240x45	2900	2500$_{+15}$	2600$_{+5}$	2300$_{+20}$	2400$_{+15}$	2200$_{+25}$	2200$_{+20}$	2100$_{+30}$	2100$_{+25}$	2000$_{+35}$
300x45	3500$_{+10}$	3100$_{+30}$	3200$_{+15}$	2900$_{+35}$	3000$_{+25}$	2800$_{+35}$	2800$_{+35}$	2600$_{+45}$	2700$_{+40}$	2500$_{+50}$
360x45	4000$_{+15}$	3600$_{+40}$	3700$_{+20}$	3400$_{+45}$	3400$_{+35}$	3200$_{+50}$	3300$_{+45}$	3100$_{+55}$	3100$_{+55}$	3000$_{+65}$
400x45	4300$_{+15}$	3900$_{+45}$	4000$_{+25}$	3700$_{+50}$	3700$_{+40}$	3500$_{+55}$	3600$_{+50}$	3400$_{+65}$	3400$_{+60}$	3200$_{+75}$
90x63	1200	1100	1100	1000	1000	900	1000	900	900	800
140x63	1900	1600	1700	1500	1600	1400	1500	1400	1400	1300
150x63	2000	1800	1800	1600	1700	1500	1600	1500	1500	1400
190x63	2600	2200	2300	2100	2100	1900$_{+5}$	2000	1800$_{+5}$	1900$_{+5}$	1800$_{+10}$
200x63	2700	2400	2400	2200	2200	2100$_{+5}$	2100	1900$_{+10}$	2000$_{+5}$	1900$_{+10}$
240x63	3200	2800$_{+5}$	2900	2600$_{+10}$	2700$_{+5}$	2500$_{+10}$	2500$_{+10}$	2300$_{+15}$	2400$_{+15}$	2200$_{+20}$
300x63	3800	3400$_{+15}$	3500$_{+5}$	3200$_{+20}$	3300$_{+10}$	3100$_{+20}$	3100$_{+20}$	2900$_{+30}$	3000$_{+25}$	2800$_{+35}$
360x63	4300$_{+5}$	3900$_{+20}$	4000$_{+10}$	3700$_{+25}$	3800$_{+20}$	3500$_{+30}$	3600$_{+25}$	3400$_{+35}$	3400$_{+35}$	3300$_{+45}$
400x63	4700$_{+5}$	4200$_{+25}$	4300$_{+15}$	4000$_{+30}$	4100$_{+25}$	3800$_{+35}$	3900$_{+30}$	3700$_{+45}$	3700$_{+40}$	3500$_{+50}$

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Tabled Data**
   Based on Total Upper Floor Mass 40 kg/ m², Floor Live Load of 1.5kPa, Floor Point Load of 1.8kN
2. **Minimum Bearing Length**
   35mm at End Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm i.e. 5400$_{+10}$ = additional 10mm as minimum bearing length required

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable

LVL e14 Rafters or Roofing Purlins

House, Verandah, etc.

Table 7

		Single Span						Continuous Span					
		Rafter Spacing (mm)						Rafter Spacing (mm)					
		600		900		1200		600		900		1200	
Member size	**DL (kg/m²)**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**
90x35	10	2200	550	2100	400	2100	350	2700	550	2500	400	2500	350
	20	2200	550	2100	450	2100	350	2700	550	2500	450	2500	350
	40	2200	550	2000	450	1900	400	2700	550	2500	450	2500	400
	60	2000	550	1800	450	1600	400	2700	550	2400	450	2200	400
	90	1800	600	1600	500	1400	400	2400	600	2100	500	1900	400
90x45	10	2500	600	2400	500	2300	400	3200	600	3000	500	2800	400
	20	2500	600	2400	500	2300	400	3200	600	3000	500	2800	400
	40	2500	650	2200	500	2000	450	3200	650	3000	500	2800	450
	60	2200	650	1900	500	1800	450	3000	650	2700	500	2400	450
	90	1900	700	1700	550	1500	450	2700	700	2300	550	2100	450
90x63	10	3200	750	3000	600	2800	500	4000	750	3700	600	3400	500
	20	3200	750	3000	600	2800	500	4000	750	3700	600	3400	500
	40	2800	750	2500	600	2300	550	3800	750	3400	600	3100	550
	60	2500	800	2200	650	2000	550	3400	800	3000	650	2700	550
	90	2200	850	1900	650	1700	550	3000	850	2600	650	2400	550
140x35	10	4900	750	4500	600	4100	500	6200	750	5700	600	5100	500
	20	4400	750	3900	600	3600	550	6000	750	5300	600	4900	550
	40	3600	800	3200	650	2900	550	4900	800	4400	650	4000	550
	60	3200	800	2800	650	2600	550	4400	800	3800	650	3500	550
	90	2800	850	2500	700	2200	600	3800	850	3400	700	3100	600
140x45	10	5400	900	5000	700	4700	600	7000	900	6600	700	5800	600
	20	4700	900	4200	700	3900	600	6300	900	5700	700	5300	600
	40	3900	900	3500	750	3200	650	5300	900	4700	750	4300	650
	60	3500	950	3100	750	2800	650	4700	950	4200	750	3800	650
	90	3100	1000	2700	800	2500	700	4200	1000	3700	800	3300	700
140x63	10	5800	1050	5400	850	5100	750	7200	1050	7000	850	6600	750
	20	5100	1100	4600	850	4300	750	6700	1100	6200	850	5800	750
	40	4300	1100	3800	900	3500	750	5800	1100	5200	900	4800	750
	60	3800	1150	3400	900	3100	800	5200	1150	4600	900	4300	800
	90	3400	1200	3000	950	2700	850	4600	1200	4100	950	3700	850

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Methods**
   Load Sharing: LL Def. Check :
   Complex: Limit State Design
2. **Tabled Data**
   Based on Batten Spacing of 900mm
   Minimum Backspan: 200% of Overhang
   Maximum Overhang: 50% of Backspan
   Maximum BirdsMouth Depth: 30% of Depth
3. **End Bearing Lengths**
   35mm at End Supports
   45mm at Internal Supports for continuous members
4. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm at end supports and 45mm at internal supports i.e. 5400 $_{+10}$ = additional 10mm as minimum bearing length required
5. **Construction Loads**
   Shall not be applied to overhangs until a 190x19 (minimum) timber fascia or other fascia of equivalent stiffness is rigidly and permanently attached to the end of rafter overhangs

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable
O/H: Overhang (mm)

August 2025. Please check website for latest release.
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LVL e14 Rafters or Roofing Purlins

House, Verandah, etc.

Table 7 (Continued)

		Single Span						Continuous Span					
		Rafter Spacing (mm)						Rafter Spacing (mm)					
		600		900		1200		600		900		1200	
Member size	**DL (kg/m²)**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**
150x35	10	5500	800	5000	650	4600	550	7000	800	6400	650	5400	550
	20	4700	800	4200	650	3900	550	6300	800	5700	650	5300	550
	40	3900	850	3400	650	3100	550	5300	850	4700	650	4300	550
	60	3400	850	3000	700	2800	600	4700	850	4100	700	3800	600
	90	3000	900	2700	750	2400	600	4100	900	3600	750	3300	600
150x45	10	5800	950	5300	750	5000	650	7200	950	6900	750	6200	650
	20	5000	950	4500	750	4200	650	6600	950	6100	750	5700	650
	40	4200	950	3700	800	3400	650	5700	950	5100	800	4600	650
	60	3700	1000	3300	800	3000	700	5100	1000	4500	800	4100	700
	90	3300	1050	2900	850	2600	700	4500	1050	3900	850	3600	700
150x63	10	6100	1150	5700	900	5400	800	7200	1150	7200	900	7000	800
	20	5400	1150	4900	900	4600	800	7000	1150	6500	900	6200	800
	40	4600	1200	4100	950	3800	800	6200	1200	5600	950	5100	800
	60	4100	1200	3600	950	3300	850	5600	1200	5000	950	4600	850
	90	3600	1250	3200	1000	2900	900	5000	1250	4400	1000	4000	900
190x35	10	6600	1000	6200	800	5800	650	7200	1000	7200	800	6800	650
	20	5800	1000	5300	800	4900	700	7200	1000	6800	800	6400	700
	40	4900	1000	4300	800	4000	700	6500	1000	5900	800	5400	700
	60	4300	1050	3800	850	3500	700	5900	1050	5200	850	4800	700
	90	3800	1100	3400	900	3100	750	5200	1100	4600	900	4200	750
190x45	10	6800	1150	6400	900	6100	800	7200	1150	7200	900	7200	800
	20	6100	1150	5600	900	5200	800	7200	1150	7200	900	6800	800
	40	5200	1200	4700	950	4300	800	6800	1200	6300	950	5900	800
	60	4700	1200	4200	950	3800	850	6300	1200	5600	950	5200	850
	90	4200	1300	3700	1000	3300	900	5600	1300	5000	1000	4600	900
190x63	10	7100	1400	6700	1100	6500	950	7200	1400	7200	1100	7200	950
	20	6500	1400	6100	1100	5700	950	7200	1400	7200	1100	7200	950
	40	5700	1450	5200	1150	4800	1000	7200	1450	6700	1150	6300	1000
	60	5200	1500	4600	1200	4200	1000	6700	1500	6200	1200	5800	1000
	90	4600	1550	4100	1250	3700	1050	6200	1550	5600	1250	5100	1050

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Methods**
   Load Sharing: LL Def. Check :
   Complex: Limit State Design
2. **Tabled Data**
   Based on Batten Spacing of 900mm
   Minimum Backspan: 200% of Overhang
   Maximum Overhang: 50% of Backspan
   Maximum BirdsMouth Depth: 30% of Depth
3. **End Bearing Lengths**
   35mm at End Supports
   45mm at Internal Supports for continuous members
4. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm at end supports and 45mm at internal supports i.e. 5400 $_{+10}$ = additional 10mm as minimum bearing length required
5. **Construction Loads**
   Shall not be applied to overhangs until a 190x19 (minimum) timber fascia or other fascia of equivalent stiffness is rigidly and permanently attached to the end of rafter overhangs

Important:

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Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable
O/H: Overhang (mm)

LVL e14 Rafters or Roofing Purlins

House, Verandah, etc.

Table 7 (Continued)

		Single Span						Continuous Span					
		Rafter Spacing (mm)						Rafter Spacing (mm)					
		600		900		1200		600		900		1200	
Member size	**DL (kg/m²)**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**
200x35	10	6800	1000	6400	800	6100	700	7200	1000	7200	800	7200	700
	20	6100	1050	5500	850	5100	700	7200	1050	7100	850	6700	700
	40	5100	1050	4600	850	4200	750	6700	1050	6100	850	5700	750
	60	4600	1100	4000	900	3700	750	6100	1100	5500	900	5000	750
	90	4000	1150	3600	900	3200	800	5500	1150	4800	900	4400	800
200x45	10	7000	1200	6600	950	6400	800	7200	1200	7200	950	7200	800
	20	6400	1200	5900	950	5500	800	7200	1200	7200	950	7100	800
	40	5500	1250	4900	1000	4500	850	7100	1250	6500	1000	6100	850
	60	4900	1300	4400	1000	4000	850	6500	1300	5900	1000	5400	850
	90	4400	1350	3900	1050	3500	900	5900	1350	5300	1050	4800	900
200x63	10	7200	1450	7000	1150	6700	1000	7200	1450	7200	1150	7200	1000
	20	6700	1450	6300	1150	6000	1000	7200	1450	7200	1150	7200	1000
	40	6000	1500	5400	1200	5000	1000	7200	1500	7000	1200	6600	1000
	60	5400	1550	4800	1250	4500	1050	7000	1550	6400	1250	6000	1050
	90	4800	1650	4300	1300	3900	1100	6400	1650	5800	1300	5400	1100
240x35	10	7200	1200	7200	950	6900	800	7200	1200	7200	950	7200	800
	20	6900	1200	6400	950	6100	800	7200	1200	7200	950	7200	800
	40	6100	1250	5400	1000	5000	850	7200	1250	7000	1000	6600	850
	60	5400	1300	4800	1000	4400	850	7000	1300	6400	1000	6000	850
	90	4800	1350	4300	1050	3900	900	6400	1350	5800	1050	5300	900
240x45	10	7200	1400	7200	1100	7200	950	7200	1400	7200	1100	7200	950
	20	7200	1400	6700	1100	6400	950	7200	1400	7200	1100	7200	950
	40	6400	1450	5900	1150	5400	950	7200	1450	7200	1150	7000	950
	60	5900	1500	5200	1200	4800	1000	7200	1500	6800	1200	6400	1000
	90	5200	1550	4600	1250	4200	1050	6800	1550	6200	1250	5800	1050
240x63	10	7200	1700	7200	1350	7200	1150	7200	1700	7200	1350	7200	1150
	20	7200	1700	7100	1350	6800	1150	7200	1700	7200	1350	7200	1150
	40	6800	1750	6300	1400	6000	1200	7200	1750	7200	1400	7200	1200
	60	6300	1800	5800	1450	5300	1250	7200	1800	7200	1450	6900	1250
	90	5800	1900	5100	1500	4700	1300	7200	1900	6700	1500	6300	1300

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Methods**
   Load Sharing: LL Def. Check :
   Complex: Limit State Design
2. **Tabled Data**
   Based on Batten Spacing of 900mm
   Minimum Backspan: 200% of Overhang
   Maximum Overhang: 50% of Backspan
   Maximum BirdsMouth Depth: 30% of Depth
3. **End Bearing Lengths**
   35mm at End Supports
   45mm at Internal Supports for continuous members
4. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm at end supports and 45mm at internal supports i.e. 5400 $_{+10}$ = additional 10mm as minimum bearing length required
5. **Construction Loads**
   Shall not be applied to overhangs until a 190x19 (minimum) timber fascia or other fascia of equivalent stiffness is rigidly and permanently attached to the end of rafter overhangs

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable
O/H: Overhang (mm)

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LVL e14 Rafters or Roofing Purlins

House, Verandah, etc.

Table 7 (Continued)

		Single Span						Continuous Span					
		Rafter Spacing (mm)						Rafter Spacing (mm)					
		600		900		1200		600		900		1200	
Member size	**DL (kg/m²)**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**	**Span**	**O/H**
300x35	10	7200	1450	7200	1150	7200	950	7200	1450	7200	1150	7200	950
	20	7200	1450	7200	1150	7100	950	7200	1450	7200	1150	7200	950
	40	7100	1500	6500	1200	6200	1000	7200	1500	7200	1200	7200	1000
	60	6500	1550	6000	1250	5500	1050	7200	1550	7200	1250	7100	1050
	90	6000	1600	5300	1300	4900	1100	7200	1600	6900	1300	6400$_{+15}$	1100
300x45	10	7200	1700	7200	1300	7200	1100	7200	1700	7200	1300	7200	1100
	20	7200	1700	7200	1350	7200	1150	7200	1700	7200	1350	7200	1150
	40	7200	1750	6900	1400	6500	1150	7200	1750	7200	1400	7200	1150
	60	6900	1800	6400	1450	6000	1200	7200	1800	7200	1450	7200	1200
	90	6400	1900	5800	1500	5300	1250	7200	1900	7200	1500	6800	1250
300x63	10	7200	2050	7200	1600	7200	1350	7200	2050	7200	1600	7200	1350
	20	7200	2100	7200	1650	7200	1400	7200	2100	7200	1650	7200	1400
	40	7200	2150	7200	1700	7000	1450	7200	2150	7200	1700	7200	1450
	60	7200	2200	6800	1750	6400	1500	7200	2200	7200	1750	7200	1500
	90	6800	2300	6300	1850	5900	1550	7200	2300	7200	1850	7200	1550
360x45	10	7200	1950	7200	1550	7200	1300	7200	1950	7200	1550	7200	1300
	20	7200	2000	7200	1550	7200	1300	7200	2000	7200	1550	7200	1300
	40	7200	2050	7200	1600	7200	1350	7200	2050	7200	1600	7200	1350
	60	7200	2100	7200	1650	6800	1400	7200	2100	7200	1650	7200	1400
	90	7200	2200	6600	1750	6200	1500	7200	2200	7200	1750	7200$_{+5}$	1500
360x63	10	7200	2400	7200	1900	7200	1600	7200	2400	7200	1900	7200	1600
	20	7200	2450	7200	1900	7200	1600	7200	2450	7200	1900	7200	1600
	40	7200	2500	7200	2000	7200	1650	7200	2500	7200	2000	7200	1650
	60	7200	2600	7200	2050	7200	1750	7200	2600	7200	2050	7200	1750
	90	7200	2700	7100	2150	6700	1800	7200	2700	7200	2150	7200	1800
400x45	10	7200	2150	7200	1700	7200	1400	7200	2150	7200	1700	7200	1400
	20	7200	2150	7200	1700	7200	1450	7200	2150	7200	1700	7200	1450
	40	7200	2250	7200	1750	7200	1500	7200	2250	7200	1750	7200	1500
	60	7200	2300	7200	1800	7200	1550	7200	2300	7200	1800	7200	1550
	90	7200	2400	7200	1900	6700	1600	7200	2400	7200	1900	7200$_{+10}$	1600
400x63	10	7200	2600	7200	2050	7200	1750	7200	2600	7200	2050	7200	1750
	20	7200	2650	7200	2100	7200	1750	7200	2650	7200	2100	7200	1750
	40	7200	2750	7200	2150	7200	1850	7200	2750	7200	2150	7200	1850
	60	7200	2850	7200	2250	7200	1900	7200	2850	7200	2250	7200	1900
	90	7200	3000	7200	2350	7200	2000	7200	3000	7200	2350	7200	2000

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Methods**
   Load Sharing: LL Def. Check :
   Complex: Limit State Design
2. **Tabled Data**
   Based on Batten Spacing of 900mm
   Minimum Backspan: 200% of Overhang
   Maximum Overhang: 50% of Backspan
   Maximum BirdsMouth Depth: 30% of Depth
3. **End Bearing Lengths**
   35mm at End Supports
   45mm at Internal Supports for continuous members
4. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 35mm at end supports and 45mm at internal supports i.e. 5400 $_{+10}$ = additional 10mm as minimum bearing length required
5. **Construction Loads**
   Shall not be applied to overhangs until a 190x19 (minimum) timber fascia or other fascia of equivalent stiffness is rigidly and permanently attached to the end of rafter overhangs

Important:

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Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
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Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable
O/H: Overhang (mm)

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LVL e14 Verandah & Pergola Beams

Table 8

		Single Span				Continuous Span			
		Roof Load With (mm)				Roof Load With (mm)			
		1800	2400	3000	4500	1800	2400	3000	4500
Rafter/Truss Spacing (mm)		1200	1200	1200	1200	1200	1200	1200	1200
Size DxB (mm)	**Roof Mass (kg/m²)**	**Maximum Verandah Beam Span (mm)**				**Maximum Verandah Beam Span (mm)**			
140x35	10	3400	3000	2700	2100	3600	3100	2800	2300
	20	2900	2700	2500	2100	3700	3200	2900	2500
	40	2300	2100	1900	1600	3100	2800	2600	2300
	60	2000	1800	1600	NS	2700	2500	2300	2000
	90	1700	1500	NS	NS	2400	2100	2000	1600
150x35	10	3700	3200	2900	2300	3900	3300	3000	2600
	20	3100	2800	2700	2300	4000	3400	3100	2600
	40	2600	2300	2100	1800	3300	3000	2800	2500
	60	2200	1900	1800	1500	2900	2600	2500	2100
	90	1900	1700	1500	NS	2600	2300	2100	1600
190x35	10	4500	4100	3600	2900	4900	4200	3700	3000
	20	3900	3500	3300	2900	4900	4300	3800	3100
	40	3100	2900	2700	2300	4200	3900	3600	3100
	60	2800	2600	2300	2000	3700	3400	3100	2700_{+5}
	90	2400	2200	2000	1800	3200	3000	2700_{+5}	2400_{+25}
200x35	10	4700	4400	3800	3100	5200	4400	4000	3200
	20	4100	3700	3500	3100	5100	4500	4100	3300
	40	3300	3000	2800	2500	4300	4100	3800	3300
	60	2900	2700	2500	2100	3900	3500	3300	2900_{+10}
	90	2600	2300	2100	1800	3400	3100	2900_{+10}	2500_{+35}
240x35	10	5400	5100	4700	3700	6100	5300	4700	3800
	20	4700	4400	4200	3700	5800	5400	4800	3900
	40	4000	3600	3400	3000	5000	4700	4400	4000_{+10}
	60	3500	3200	3000	2600	4500	4200	4000_{+10}	3500_{+35}
	90	3100	2800	2600	2200	4100_{+10}	3700_{+20}	3500_{+35}	3000_{+65}
300x35	10	6300	5900	5700	4700	7200	6500	5800	4700
	20	5500	5200	4900	4500	6800	6400	5900	4800
	40	4800	4400	4200	3700	5900	5500_{+10}	5200_{+15}	4800_{+35}
	60	4300	4000	3700	3200	5400_{+15}	5000_{+25}	4800_{+35}	4300_{+70}
	90	3800	3500	3200	2900	4900_{+30}	4500_{+50}	4300_{+70}	3600_{+100}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **End Bearing Lengths**
   70mm at End Supports
   70mm at Internal Supports for continuous members
2. **Minimum Bearing Length**
   35mm at End Supports
   70mm at Continuous Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 70mm at end supports and 70mm at internal supports i.e. 5400_{+10} = additional 10mm as minimum bearing length required
4. **Overhangs**
   Shall not exceed 25% of actual backspan

Important:

These Span Tables only apply to City Timber's LVL e14 products.
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Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
NS: Not Suitable

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LVL e14 Verandah & Pergola Beams

Table 8 (Continued)

		Single Span				Continuous Span			
		Roof Load With (mm)				Roof Load With (mm)			
		1800	2400	3000	4500	1800	2400	3000	4500
Rafter/Truss Spacing (mm)		1200	1200	1200	1200	1200	1200	1200	1200
Size DxB (mm)	**Roof Mass (kg/m²)**	**Maximum Verandah Beam Span (mm)**				**Maximum Verandah Beam Span (mm)**			
140x45	10	3800	3400	3100	2600	4200	3500	3200	2700
	20	3100	2900	2700	2400	4200	3600	3300	2700
	40	2600	2300	2100	1800	3300	3100	2900	2500
	60	2200	2000	1800	1500	3000	2700	2500	2100
	90	1900	1700	1500	NS	2600	2400	2100	1900
150x45	10	4000	3700	3300	2700	4400	3800	3400	2800
	20	3300	3000	2900	2600	4300	4000	3500	2900
	40	2700	2500	2300	2000	3600	3300	3100	2700
	60	2400	2100	2000	1700	3100	2900	2700	2400
	90	2000	1900	1700	NS	2800	2500	2400	2000
190x45	10	4800	4600	4200	3300	5600	4800	4300	3400
	20	4200	3900	3600	3200	5200	4900	4400	3500
	40	3400	3100	2900	2600	4400	4200	3900	3400
	60	3000	2800	2600	2200	4000	3700	3400	3000
	90	2700	2400	2200	1900	3500	3200	3000	2600_{+10}
200x45	10	5000	4700	4500	3500	5800	5100	4500	3600
	20	4300	4000	3800	3300	5400	5100	4600	3700
	40	3600	3300	3100	2700	4600	4300	4100	3600
	60	3100	2900	2700	2300	4200	3900	3600	3100
	90	2800	2600	2300	2000	3700	3400	3100	2800_{+20}
240x45	10	5600	5300	5100	4300	7000	6000	5400	4400
	20	5000	4700	4400	4000	6100	5800	5500	4500
	40	4200	3900	3700	3200	5300	5000	4700	4200
	60	3800	3400	3200	2800	4800	4500	4200	3800_{+20}
	90	3300	3000	2800	2500	4300	4100_{+10}	3800_{+20}	3300_{+45}
300x45	10	6600	6200	6000	5300	7200	7200	6600	5400
	20	5800	5400	5200	4800	7200	6800	6500	5500
	40	5000	4700	4500	4000	6200	5900	5600_{+5}	5100_{+25}
	60	4600	4300	4000	3500	5700	5300_{+15}	5100_{+25}	4600_{+45}
	90	4100	3800	3500	3100	5200_{+15}	4800_{+30}	4600_{+45}	4100_{+85}
360x45	10	7200	7100	6800	6200	7200	7200	7200	6300
	20	6600	6200	5900	5400	7200	7200	7200_{+10}	6500_{+15}
	40	5700	5400	5100	4700	7100_{+15}	6700_{+20}	6300_{+30}	5800_{+45}
	60	5200	4900	4700	4200	6500_{+25}	6100_{+35}	5800_{+45}	5300_{+80}
	90	4800	4500	4200	3700	6000_{+45}	5600_{+60}	5300_{+80}	4800_{+115}
400x45	10	7200	7200	7200	6800	7200	7200	7200	6900
	20	7100	6700	6400	5900	7200	7200_{+5}	7200_{+15}	7100_{+30}
	40	6100	5800	5500	5000	7200_{+20}	7200_{+35}	6900_{+45}	6300_{+65}
	60	5600	5300	5000	4600	7100_{+40}	6600_{+50}	6300_{+65}	5700_{+95}
	90	5200	4800	4600	4100	6400_{+60}	6000_{+80}	5700_{+95}	5100_{+135}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **End Bearing Lengths**
   70mm at End Supports
   70mm at Internal Supports for continuous members
2. **Minimum Bearing Length**
   35mm at End Supports
   70mm at Continuous Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 70mm at end supports and 70mm at internal supports i.e. 5400_{+10} = additional 10mm as minimum bearing length required
4. **Overhangs**
   Shall not exceed 25% of actual backspan

Important:

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LVL e14 Verandah & Pergola Beams

Table 8 (Continued)

		Single Span				Continuous Span			
		Roof Load With (mm)				Roof Load With (mm)			
		1800	2400	3000	4500	1800	2400	3000	4500
Rafter/Truss Spacing (mm)		1200	1200	1200	1200	1200	1200	1200	1200
Size DxB (mm)	**Roof Mass (kg/m²)**	**Maximum Verandah Beam Span (mm)**				**Maximum Verandah Beam Span (mm)**			
140x63	10	4100	3900	3600	3000	5100	4300	3800	3100
	20	3400	3200	3000	2700	4500	4200	4000	3200
	40	2800	2600	2400	2100	3800	3400	3200	2800
	60	2600	2300	2100	1800	3300	3000	2800	2500
	90	2200	1900	1800	1500	2900	2600	2500	2100
150x63	10	4300	4100	3900	3200	5300	4600	4100	3300
	20	3700	3400	3200	2800	4700	4400	4200	3400
	40	3000	2800	2600	2200	4000	3700	3400	3000
	60	2700	2500	2200	1900	3600	3200	3000	2600
	90	2300	2100	1900	1700	3100	2900	2600	2300
190x63	10	5100	4900	4700	4100	6300	5700	5200	4200
	20	4500	4200	4000	3500	5600	5300	5000	4300
	40	3800	3500	3200	2900	4800	4500	4300	3800
	60	3300	3100	2900	2600	4400	4100	3800	3300
	90	3000	2700	2600	2200	4000	3600	3300	3000
200x63	10	5300	5000	4900	4300	6600	6000	5400	4400
	20	4700	4400	4200	3700	5800	5500	5200	4500
	40	4000	3600	3400	3000	5000	4700	4400	4000
	60	3500	3200	3000	2700	4600	4200	4000	3500
	90	3100	2900	2700	2300	4200	3800	3500	3100
240x63	10	6000	5700	5500	5100	7200	7100	6400	5200
	20	5300	5000	4800	4400	6600	6200	5900	5400
	40	4600	4300	4100	3600	5700	5400	5100	4700
	60	4200	3900	3600	3200	5200	4900	4700	4200_{+5}
	90	3700	3400	3200	2800	4800	4400	4200_{+5}	3700_{+20}
300x63	10	6900	6600	6400	5900	7200	7200	7200	6500
	20	6200	5800	5600	5200	7200	7200	7000	6400
	40	5400	5100	4900	4400	6700	6300	6000	5500_{+10}
	60	5000	4700	4400	4000	6200	5800	5500_{+10}	5000_{+25}
	90	4500	4200	4000	3500	5600_{+5}	5300_{+15}	5000_{+25}	4500_{+50}
360x63	10	7200	7200	7200	6700	7200	7200	7200	7200
	20	7000	6700	6400	5900	7200	7200	7200	7200_{+10}
	40	6100	5800	5500	5000	7200	7200_{+10}	6900_{+15}	6300_{+30}
	60	5600	5300	5000	4600	7100_{+15}	6600_{+20}	6300_{+30}	5700_{+55}
	90	5200	4900	4600	4100	6400_{+25}	6000_{+40}	5700_{+50}	5200_{+85}
400x63	10	7200	7200	7200	7200	7200	7200	7200	7200
	20	7200	7200	6900	6300	7200	7200	7200_{+5}	7200_{+15}
	40	6600	6200	5900	5400	7200_{+10}	7200_{+20}	7200_{+30}	6800_{+45}
	60	6100	5700	5400	5000	7200_{+25}	7100_{+40}	6800_{+45}	6200_{+70}
	90	5600	5200	5000	4500	7000_{+45}	6500_{+55}	6200_{+70}	5600_{+105}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **End Bearing Lengths**
   70mm at End Supports
   70mm at Internal Supports for continuous members
2. **Minimum Bearing Length**
   35mm at End Supports
   70mm at Continuous Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 70mm at end supports and 70mm at internal supports i.e. 5400_{+10} = additional 10mm as minimum bearing length required
4. **Overhangs**
   Shall not exceed 25% of actual backspan

Important:

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NS: Not Suitable

August 2025. Please check website for latest release.
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BMP715957
SA-PEFC-COC-004292

LVL e14 Ridge or Intermediate Beams

Table 9

		Roof Load Width (mm)									
		1500		3000		4500		6000		7500	
		Maximum Beam Span & Overhang (mm)									
Size DxB (mm)	Roof Mass (kg/m²)	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H
90x45	20	2200	700	1700	700	1400	600	1300	550	1100	500
	40	1800	700	1400	700	1200	600	1100	550	1000	500
	60	1600	700	1300	600	1100	500	1000	500	NS	NS
	90	1400	700	1100	500	1000	500	NS	NS	NS	NS
140x45	20	3500	1100	2700	1100	2300	950	2000	800	1800	750
	40	2900	1100	2300	1100	1900	950	1700	850	1600	750
	60	2600	1100	2000	1000	1700	800	1500	700	1400	700
	90	2300	1100	1800	900	1500	700	1400	700	1300	600
150x45	20	3800	1200	2900	1200	2500	1000	2200	850	2000	800
	40	3100	1200	2400	1200	2100	1050	1800	900	1700	800
	60	2700	1200	2200	1100	1900	900	1700	800	1500	700
	90	2400	1200	1900	900	1600	800	1500	700	1300	600
190x45	20	4700	1500	3700	1500	3100	1250	2700	1100	2500	950
	40	3900	1500	3100	1500	2600	1300	2400	1100	2100	1000
	60	3500	1500	2700	1300	2400	1200	2100	1000	1900	900
	90	3100	1500	2400	1200	2100	1000	1900	900	1700	800
200x45	20	5000	1550	3900	1550	3300	1300	2900	1150	2600	1000
	40	4100	1550	3300	1550	2800	1350	2500	1150	2300	1050
	60	3700	1550	2900	1400	2500	1200	2200	1100	2000	1000
	90	3200	1550	2600	1300	2200	1100	2000	1000	1800	900
240x45	20	5900	1850	4700	1850	3900	1550	3400	1350	3100	1200
	40	5000	1850	3900	1850	3400	1600	3000	1400	2700	1250
	60	4400	1850	3500	1700	3000	1500	2700	1300	2500_{+5}	1200_{+5}
	90	3900	1850	3100	1500	2700	1300	2400_{+5}	1200_{+5}	2200_{+10}	1100_{+10}
300x45	20	7000	2350	5800	2300	4800	1900	4200_{+5}	1650	3800_{+10}	1500
	40	6100	2350	4900	2300	4200	1950	3800_{+5}	1700	3400_{+15}	1550_{+15}
	60	5500	2350	4400	2100	3800	1900	3400_{+5}	1700_{+5}	3100_{+15}	1550_{+15}
	90	4900	2350	3900	1950	3400_{+5}	1700_{+5}	3000_{+15}	1500_{+15}	2800_{+25}	1400_{+25}
360x45	20	7200	2800	6700	2700	5600_{+5}	2200	4900_{+10}	1900	4400_{+20}	1750
	40	7000	2800	5900	2650	5100_{+5}	2250	4500_{+15}	1950_{+15}	4100_{+25}	1750_{+25}
	60	6400	2800	5200	2450	4500_{+5}	2200_{+5}	4100_{+15}	2000_{+15}	3700_{+25}	1800_{+25}
	90	5800	2700	4600	2300	4000_{+15}	2000_{+15}	3600_{+25}	1800_{+25}	3300_{+40}	1600_{+40}
400x45	20	7200	3100	7200	2950	6200_{+10}	2400	5400_{+15}	2100	4800_{+25}	1900
	40	7200	3100	6400	2850	5600_{+10}	2500_{+10}	5000_{+20}	2150_{+20}	4600_{+30}	1950_{+30}
	60	6900	3100	5800	2650	5000_{+10}	2400_{+10}	4500_{+25}	2200_{+25}	4200_{+35}	2000_{+35}
	90	6400	2950	5200_{+5}	2450_{+5}	4500_{+20}	2200_{+20}	4000_{+35}	2000_{+35}	3700_{+45}	1800_{+45}

Table values relate to Allowable Maximum Span in mm

Notes:

1. **Tabled Data**
   Minimum Backspan: 200% of Overhang
   Maximum Overhang: 50% of Backspan
   Maximum Rafter Spacing: up to 1200mm
2. **Minimum Bearing Length**
   45mm at End Supports
3. **Subscript Values**
   Indicate minimum additional bearing length required where required to be greater than 45mm i.e. 5400_{+10} = additional 10mm as minimum bearing length required

Important:

These Span Tables only apply to City Timber's LVL e14 products.
LVL Manufacturing: AS/NZS 4357.0
Structural Design Properties: AS 1720.1
Phenolic Adhesive: AS 2754.1
Bond: AS/NZS 2098.2 A-bond E0
TPAA Approved Treatment 079 59 for H2S & H1.2 Glue Line Additive

Legend
D: Member Depth
B: Member Breadth
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LVL e14 Ridge or Intermediate Beams

Table 9 (Continued)

		Roof Load Width (mm)									
		1500		3000		4500		6000		7500	
		Maximum Beam Span & Overhang (mm)									
Size DxB (mm)	Roof Mass (kg/m²)	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H
90x63	20	2500	800	1900	800	1600	750	1400	650	1300	600
	40	2100	800	1600	800	1400	700	1200	600	1100	500
	60	1800	800	1400	700	1200	600	1100	500	1000	500
	90	1600	800	1200	600	1100	500	1000	500	NS	NS
140x63	20	3900	1250	3000	1250	2600	1100	2300	950	2000	900
	40	3200	1250	2500	1250	2200	1100	1900	900	1800	900
	60	2900	1250	2300	1100	1900	900	1700	800	1600	800
	90	2500	1250	2000	1000	1700	800	1500	700	1400	700
150x63	20	4200	1300	3300	1300	2800	1200	2400	1050	2200	950
	40	3500	1300	2700	1300	2300	1100	2100	1050	1900	950
	60	3100	1300	2400	1200	2100	1000	1900	900	1700	800
	90	2700	1300	2100	1000	1800	900	1700	800	1500	700
190x63	20	5200	1650	4100	1650	3500	1500	3100	1300	2800	1150
	40	4400	1650	3500	1650	3000	1500	2700	1300	2400	1200
	60	3900	1650	3100	1500	2700	1300	2400	1200	2200	1100
	90	3400	1650	2700	1300	2400	1200	2100	1000	1900	900
200x63	20	5500	1750	4300	1750	3700	1550	3300	1350	3000	1200
	40	4600	1750	3600	1750	3100	1500	2800	1400	2500	1250
	60	4100	1750	3200	1600	2800	1400	2500	1200	2300	1100
	90	3600	1750	2900	1400	2500	1200	2200	1100	2100	1000
240x63	20	6400	2100	5200	2100	4400	1850	3900	1600	3600	1450
	40	5500	2100	4400	2100	3800	1850	3400	1650	3100	1500
	60	4900	2100	3900	1950	3400	1700	3000	1500	2800	1400
	90	4400	2100	3500	1700	3000	1500	2700	1300	2500	1200
300x63	20	7200	2600	6300	2600	5500	2250	4900	1950	4500	1750
	40	6600	2600	5500	2500	4700	2200	4200	2000	3900	1800
	60	6100	2600	4900	2300	4200	2100	3800	1900	3500	1700
	90	5400	2550	4300	2150	3800	1900	3400_{+5}	1700_{+5}	3100_{+10}	1500_{+10}
360x63	20	7200	3150	7200	3150	6500	2650	5800_{+5}	2300	5200_{+10}	2050
	40	7200	3150	6400	2850	5600	2550	5100_{+5}	2350	4600_{+10}	2100_{+10}
	60	6900	3150	5800	2700	5100	2400	4600_{+5}	2200_{+5}	4200_{+10}	2050_{+10}
	90	6400	2950	5200	2500	4500	2250	4100_{+10}	2050_{+10}	3700_{+20}	1800_{+20}
400x63	20	7200	3500	7200	3450	7000	2900	6400_{+10}	2500	5800_{+15}	2250
	40	7200	3500	6900	3100	6200	2800	5600_{+10}	2550_{+10}	5100_{+15}	2300_{+15}
	60	7200	3450	6400	2900	5600	2600	5100_{+10}	2400_{+10}	4700_{+20}	2250_{+20}
	90	6900	3200	5800	2700	5000_{+5}	2400_{+5}	4500_{+20}	2250_{+20}	4200_{+30}	2100_{+30}

Table values relate to Allowable Maximum Span in mm

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