

**Product Span Tables**  
**LVL13 Rafters**

**Loading Data - Light Roof with No Snow Loads**

**Roof Structure:** Steel Sheet Roofing .50mm, Timber Purlins, lightweight insulation (20kg/m<sup>2</sup>)

**Ceiling:** Ceiling Battens, 13mm Plasterboard (20kg/m<sup>2</sup>)

**Wind Zone and Pitch:** All Wind Zones at up to 35° roof pitch

**Snow Zone:** N0, N1, N2, N3 - No Snow Loads Applied to an altitude of 100m

**Table 1: LVL13 Rafters - Single Span**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	4000	3700	3300	3000
170x45	4500	4200	3700	3400
200x45	5200	4900	4400	4000
240x45	5900	5600	5100	4800
300x45	6900	6500	6000	5600
360x45	7800	7400	6800	6400
400x45	8300	7900	7400	6900
150x63	4900	4500	4000	3600
200x63	5900	5600	5200	4800
240x63	6700	6400	5900	5600
300x63	7800	7400	6900	6500
360x63	8800	8400	7800	7400
400x63	9400	9000	8400	8000

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

**Table 2: LVL13 Rafters - Continuous Span<sup>2</sup>**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	5300	5000	4500	4100
170x45	5800	5500	5000	4600
200x45	6500	6200	5700	5300
240x45	7400	7000	6400	6100
300x45	8600	8200	7600	7100
360x45	9800	9300	8600	8100
400x45	10500	10000	9300	8700
150x63	6100	5800	5300	4900
200x63	7500	7100	6500	6100
240x63	8500	8000	7400	7000
300x63	9800	9400	8700	8200
360x63	11100	10600	9900	9300
400x63	11900	11400	10600	10100

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

2. Continuous Span can be used when the shortest span is at least 60% of the longest span.

**Product Span Tables**  
**LVL13 Rafters**

**Loading Data - Heavy Roof with No Snow Loads**

**Roof Structure:** Tiles, Timber Battens, lightweight insulation (70kg/m<sup>2</sup>)

**Ceiling:** Ceiling Battens, 13mm Plasterboard (20kg/m<sup>2</sup>)

**Wind Zone and Pitch:** All Wind Zones at up to 35° roof pitch

**Snow Zone:** N1, N2, N3 - No Snow Loads Applied to an altitude of 100m

**Table 3: LVL13 Rafters - Single Span**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	3200	2900	2600	2300
170x45	3600	3300	2900	2600
200x45	4200	3900	3400	3100
240x45	5000	4600	4100	3700
300x45	5900	5500	5000	4600
360x45	6700	6300	5700	5400
400x45	7200	6800	6200	5800
150x63	3900	3600	3100	2900
200x63	5100	4700	4200	3800
240x63	5800	5400	5000	4600
300x63	6700	6400	5800	5500
360x63	7700	7200	6700	6200
400x63	8200	7800	7200	6700

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

**Table 4: LVL13 Rafters - Continuous Span<sup>2</sup>**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	4300	4000	3500	3200
170x45	4900	4500	3900	3600
200x45	5500	5200	4600	4200
240x45	6300	5900	5400	5000
300x45	7400	6900	6300	5900
360x45	8400	7900	7200	6800
400x45	9000	8500	7800	7300
150x63	5200	4800	4300	3900
200x63	6400	6000	5500	5100
240x63	7300	6800	6200	5800
300x63	8500	8000	7300	6900
360x63	9700	9100	8400	7900
400x63	10400	9800	9000	8500

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

2. Continuous Span can be used when the shortest span is at least 60% of the longest span.

**Product Span Tables**  
**LVL13 Rafters**

**Loading Data - Light Roof with Snow Loads**

**Roof Structure:** Steel Sheet Roofing .50mm, Timber Purlins, lightweight insulation (20kg/m<sup>2</sup>)

**Ceiling:** Ceiling Battens, 13mm Plasterboard (20kg/m<sup>2</sup>)

**Wind Zone and Pitch:** All Wind Zones at up to 35° roof pitch

**Snow Zone:** N4, N5 - Snow Loads Applied to an altitude of 100m or 0.9kPa sg

**Table 5: LVL13 Rafters - Single Span**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	3900	3600	3100	2900
170x45	4400	4000	3600	3300
200x45	5100	4700	4200	3800
240x45	5900	5600	5000	4600
300x45	6900	6500	6000	5600
360x45	7800	7400	6800	6400
400x45	8300	7900	7400	6900
150x63	4600	4300	3700	3400
200x63	5900	5600	5000	4500
240x63	6700	6400	5900	5400
300x63	7800	7400	6900	6500
360x63	8800	8400	7800	7400
400x63	9400	9000	8400	8000

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

**Table 6: LVL13 Rafters - Continuous Span<sup>2</sup>**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	5300	4800	4300	3900
170x45	5800	5500	4800	4400
200x45	6500	6200	5700	5200
240x45	7400	7000	6400	6100
300x45	8600	8200	7600	7100
360x45	9800	9300	8600	8100
400x45	10500	10000	9300	8100
150x63	6100	5800	5100	4600
200x63	7500	7100	6500	6100
240x63	8500	8000	7400	7000
300x63	9800	9400	8700	8200
360x63	11100	10600	9900	9300
400x63	11900	11400	10600	10100

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

2. Continuous Span can be used when the shortest span is at least 60% of the longest span.

**Product Span Tables**  
**LVL13 Floor Joists**

**Loading Data - Heavy Roof with Snow Loads**

**Roof Structure:** Tiles, Timber Battens, lightweight insulation (70kg/m<sup>2</sup>)

**Ceiling:** Ceiling Battens, 13mm Plasterboard (20kg/m<sup>2</sup>)

**Wind Zone and Pitch:** All Wind Zones at up to 35° roof pitch

**Snow Zone:** N4, N5 - Snow Loads Applied to an altitude of 100m or 0.9kPa sg

**Table 7: LVL13 Rafters - Single Span**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	3100	2800	2500	2300
170x45	3500	3200	2800	2600
200x45	4100	3800	3300	3000
240x45	4900	4500	4000	3600
300x45	5900	5500	5000	4500
360x45	6700	6300	5700	5400
400x45	7200	6800	6200	5800
150x63	3800	3500	3100	2800
200x63	5000	4600	4100	3700
240x63	5800	5400	4900	4400
300x63	6700	6400	5800	5500
360x63	7700	7200	6700	6200
400x63	8200	7800	7200	6700

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

**Table 8: LVL13 Rafters - Continuous Span<sup>2</sup>**

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) <sup>1</sup>			
150x45	4200	3900	3400	3100
170x45	4800	4400	3900	3500
200x45	5500	5100	4500	4100
240x45	6300	5900	5400	5000
300x45	7400	6900	6300	5900
360x45	8400	7900	7200	6800
400x45	9000	8500	7800	7300
150x63	5200	4700	4200	3800
200x63	6400	6000	5500	5000
240x63	7300	6800	6200	5800
300x63	8500	8000	7300	6900
360x63	9700	9100	8400	7900
400x63	10400	9800	9000	8500

1. When the maximum span is used the dynamic deflection may be more than desired. Please take this into consideration when specifying.

2. Continuous Span can be used when the shortest span is at least 60% of the longest span.