

Product Span Tables
LIB Rafters

Loading Data - Light Roof with No Snow Loads

Roof Structure: Steel Sheet Roofing .50mm, Timber Purlins, lightweight insulation (20kg/m²)

Ceiling: Ceiling Battens, 13mm Plasterboard (20kg/m²)

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: LIB Rafters - Single Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	5500	5200	4700	4300
240.88	6100	5800	5300	4900
300.88	6900	6500	5900	5600
360.88	7600	7100	6500	6100

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

Table 2: LIB Rafters - Continuous Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	6900	6500	5900	5500
240.88	7600	7200	6600	6100
300.88	8600	8100	7300	6700
360.88	9500	8900	7300	7000*

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.

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Loading Data - Heavy Roof with No Snow Loads

Roof Structure: Tiles, Timber Battens, lightweight insulation (70kg/m²)

Ceiling: Ceiling Battens, 13mm Plasterboard (20kg/m²)

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: LIB Rafters - Single Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	4700	4300	3700	3400
240.88	5300	4900	4300	3900
300.88	6000	5600	5100	4600
360.88	6600	6200	5600	5300*

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

Table 4: LIB Rafters - Continuous Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	5800	5400	4900	4400
240.88	6400	6000	5400	5000
300.88	7200	6800	6100	5700*
360.88	8000	7400	6700	6200

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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: LIB Rafters - Single Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	5500	5100	4500	4100
240.88	6400	5800	5200	4700
300.88	6900	6500	5900	5600
360.88	7600	7100	6500	6100

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

Table 6: LIB Rafters - Continuous Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	6900	6500	5900	5500
240.88	7600	7200	6600	6100
300.88	8600	8100	7300	6700
360.88	9500	8900	7300	7000*

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

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Ceiling: Ceiling Battens, 13mm Plasterboard (20kg/m²)

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: LIB Rafters - Single Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	4600	4200	3600	3300
240.88	5300	4800	4200	3800
300.88	6000	5600	5000	4500
360.88	6600	6200	5600	5100*

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

Table 8: LIB Rafters - Continuous Span

Size	Rafter Spacing			
	450	600	900	1200
	Maximum Span (mm) ¹			
200.88	5800	5400	4900	4400
240.88	6400	6000	5400	5000
300.88	7200	6800	6100	5700*
360.88	8000	7400	6700	6200

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.