

FLOOR JOIST SPAN TABLE



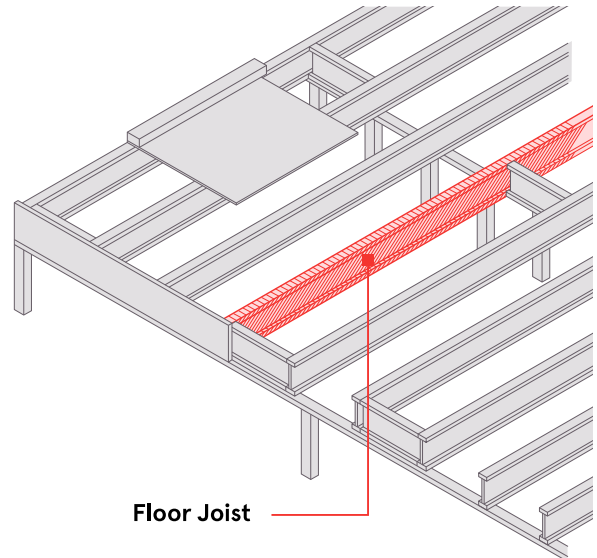
Member Type	Floor Joist
Span Types	Single and Continuous

Dimensional Data

Top Edge Restraint	Continuous Restraint
Bottom Edge Restraint	0.6 m

Basic Loading Data

Roofing	Metal Sheet (20kg/m ²)
Ceiling	10mm P'Board (12kg/m ²)
Flooring	Particle Board (30kg/m ²)
Underfloor Ceiling	10mm P'Board (12kg/m ²)
Floor Live Load	Domestic Std(1.5,1.8)
Standard AS1720.3 Dynamics for 1. kN static load	
Wind Area	N3
Min. End Bearing Length	30 mm
Min. Intermediate Bearing	45 mm
Minimum J2 factor	1.5
Service Class	Internal Protected



A Floor Joist is one of a number of parallel members required to support flooring

NOTES:

Span Tables are based on maximum allowable deflection being Span / 300 or 15mm maximum. If a lower deflection is required consider using the next size or refer to Hyne Design at app.hynedesign.com

Floor Joist: BEAM LGL

Single Span

Joist Spacing (m)	
Size	0.45
130 x 44	2600
150 x 44	3000
170 x 44	3500
200 x 44	4300
240 x 44	5100
300 x 44	6000
360 x 44	6900
130 x 65	3000
150 x 65	3600
170 x 65	4100
200 x 65	4900
240 x 65	5600
300 x 65	6600
360 x 65	7500

Table values relate to Allowable Maximum Joist Span in mm.

Floor Joist: BEAM LGL

Continuous Spans

Joist Spacing (m)	
Size	0.45
130 x 44	3100
150 x 44	3700
170 x 44	4300
200 x 44	4800
240 x 44	5500
300 x 44	6600
360 x 44	7500
130 x 65	3600
150 x 65	4300
170 x 65	4700
200 x 65	5300
240 x 65	6100
300 x 65	7300
360 x 65	8300

Table values relate to Allowable Maximum Joist Span in mm.

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Floor Joist: T3 GREEN MGP10

Single Span

Joist Spacing (m)	
Size	0.45
90 x 35	1100
140 x 35	2300
190 x 35	3300
90 x 45	1500
140 x 45	2600
190 x 45	3600
240 x 45	4800

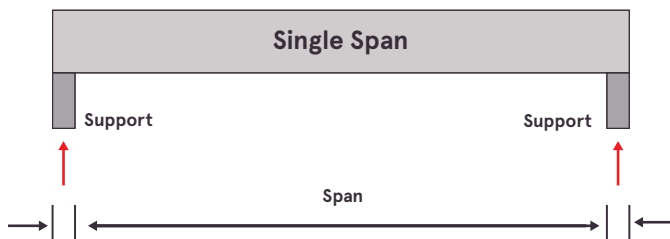
Table values relate to
Allowable Maximum Joist Span in mm.

Floor Joist: T3 GREEN MGP10

Continuous Spans

Joist Spacing (m)	
Size	0.45
90 x 35	1600
140 x 35	2800
190 x 35	4000
70 x 45	1100
90 x 45	1800
140 x 45	3000
190 x 45	4400
240 x 45	5200

Table values relate to
Allowable Maximum Joist Span in mm.



For a member to be considered 'continuous' it shall span at least 2 adjacent spans such that Span 2 (minor) is equal to or greater than 0.75 x Span 1 (major), be a single member which is not cut or otherwise joined at the mid support(s).

The major span is taken from the continuous span table (e.g. if span 1 = 6.0 then span 2 needs to be equal to or greater than 4.5m).

Otherwise each span is to be considered 'Single Span'.

