

FLOOR BEARER SPAN TABLES

Not supporting roof loads



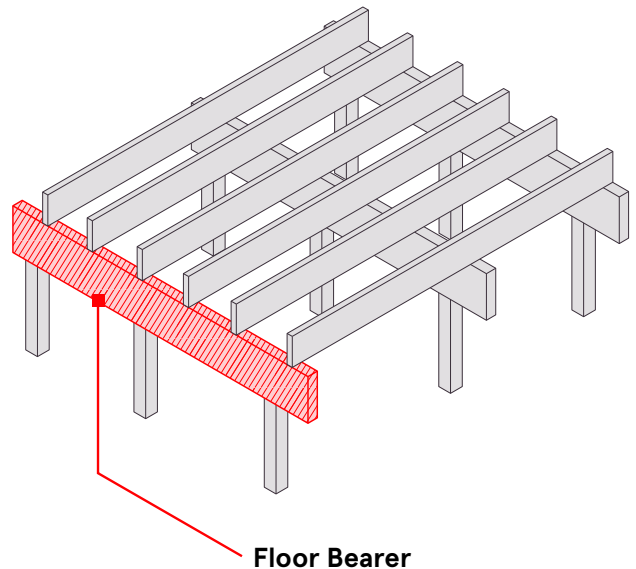
Member Type	Floor Bearer
Span Types	Single and Continuous

Dimensional Data

Joist Spacing	0.45 m
Top Edge Restraint	0.45 m
Bottom Edge Restraint	–

Basic Loading Data

Flooring	Particle Board (30kg/m ²)
Underfloor Ceiling	10mm P'Board (12kg/m ²)
Floor Live Load	Domestic Std (1.5,1.8)
Wind Area	N2
Min. End Bearing Length	45 mm
Min. Intermediate Bearing	65 mm
Minimum J2 factor	1.5
Service Class	Internal Protected



Floor Bearer

A floor bearer is a beam required to support floor joists. The joists may be on top of, level with, or below the bearer.

NOTES:

Span Tables are based on maximum allowable deflection being Span / 300 or 12mm maximum. If a lower deflection is required consider using the next size or refer to Hyne Design at app.hynedesign.com. Spans are applicable to floor loading only and are not intended to carry roof loads.

Floor Bearer: BEAM LGL

Single Span

Size	Floor Load Width (m)				
	1.20	1.80	2.40	3.00	3.60
130 x 44	2100	1900	1700	1600	1400
150 x 44	2500	2200	1900	1800	1600
170 x 44	2800	2400	2200	2000	1900
200 x 44	3300	2900	2600	2400	2200
240 x 44	3900	3500	3100	2900	2700
300 x 44	4600	4100	3800	3600*	3300*
360 x 44	5200	4700	4400*	4100*	3900*
130 x 65	2400	2100	1900	1800	1700
150 x 65	2800	2500	2200	2100	1900
170 x 65	3200	2800	2500	2300	2200
200 x 65	3700	3300	3000	2800	2600
240 x 65	4200	3800	3600	3300	3100
300 x 65	5000	4500	4200	4000	3800
360 x 65	5700	5200	4800	4600	4400*

Table values relate to Allowable Maximum Span in mm.

Note: * denotes member must have a minimum 65mm bearing length at the 2 supports.

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Floor Bearer: BEAM LGL

Continuous Spans

Size	Floor Load Width (m)				
	1.20	1.80	2.40	3.00	3.60
130 x 44	2500	2000	1800	1600	1400
150 x 44	2900	2400	2000	1800	1600
170 x 44	3300	2700	2300	2100	1900
200 x 44	3800	3200	2700	2400*	2200#
240 x 44	4300	3800	3300#	2900#	2700*
300 x 44	5100	4500#	3900#	3500*	3200#
360 x 44	5900*	5000#	4300*	3900#	3300#
130 x 65	2900	2600	2300	2000	1800
150 x 65	3300	3000	2600	2300	2100
170 x 65	3700	3300	3000	2700	2400
200 x 65	4200	3800	3500	3100	2800
240 x 65	4800	4300	4000	3800*	3400#
300 x 65	5700	5100	4800*	4500#	4300*
360 x 65	6500	5900*	5500#	5200#	4900#

Table values relate to Allowable Maximum Span in mm.

Note: * denotes member must have a minimum 85mm bearing length at the internal support.

denotes member must have a minimum 115mm bearing length at the internal support.

FLOOR BEARER SPAN TABLES

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Floor Bearer: BEAM 15 (Cambered)

Single Span

Floor Load Width (m)

Size	1.20	1.80	2.40	3.00	3.60
130 x 65	2700	2400	2200	2000	1900
165 x 65	3400	3100	2800	2600	2400
195 x 65	3900	3500	3300	3000	2900
230 x 65	4400	4000	3700	3500	3300
260 x 65	4800	4400	4100	3800	3700
295 x 65	5300	4800	4500	4200	4000
330 x 65	5800	5200	4900	4600	4400*
360 x 65	6200	5600	5200	4900	4700*
395 x 65	6600	6000	5600	5300*	5000*
425 x 65	7000	6300	5900	5600*	5300*
460 x 65	7400	6700	6200	5900*	5600*
495 x 65	7900	7100	6600*	6200*	6000*
130 x 85	3000	2600	2400	2200	2100
165 x 85	3700	3300	3000	2800	2600
195 x 85	4200	3700	3500	3300	3100
230 x 85	4700	4300	4000	3700	3600
260 x 85	5200	4700	4300	4100	3900
295 x 85	5700	5100	4800	4500	4300
330 x 85	6200	5600	5200	4900	4700
360 x 85	6600	6000	5600	5200	5000
395 x 85	7100	6400	6000	5600	5400
425 x 85	7500	6800	6300	5900	5700*
460 x 85	8000	7200	6700	6300	6000*
495 x 85	8400	7600	7100	6700*	6400*
130 x 130	3400	3000	2700	2500	2400
165 x 130	4100	3700	3400	3200	3100
195 x 130	4600	4200	3900	3700	3500
230 x 130	5200	4700	4400	4200	4000
260 x 130	5800	5200	4800	4600	4400
295 x 130	6300	5700	5300	5000	4800
330 x 130	6900	6200	5800	5500	5200
360 x 130	7400	6600	6200	5800	5600
395 x 130	7900	7100	6600	6300	6000
425 x 130	8300	7500	7000	6600	6300
460 x 130	8900	8000	7400	7000	6700
495 x 130	9400	8400	7900	7400	7100

Table values relate to Allowable Maximum Span in mm.

Note: * denotes member must have a minimum 85mm bearing length at the internal support.
denotes member must have a minimum 115mm bearing length at the internal support.

FLOOR BEARER SPAN TABLES

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Floor Bearer: BEAM 15 (Cambered)

Continuous Spans

Floor Load Width (m)

Size	1.20	1.80	2.40	3.00	3.60
130 x 65	3100	2700	2400	2200	2000
165 x 65	3700	3400	3100	2800	2500
195 x 65	4200	3800	3600	3300	3000*
230 x 65	4800	4300	4000	3800*	3500#
260 x 65	5300	4800	4400*	4200#	4000*
295 x 65	5800	5200	4900#	4600#	4400#
330 x 65	6300	5700	5300#	5000*	4800#
360 x 65	6800	6100*	5700#	5400#	4900#
395 x 65	7200	6500#	6100*	5800#	4900#
425 x 65	7700	6900#	6400*	5800#	4900#
460 x 65	8100	7300#	6800#	5800#	4800#
495 x 65	8600*	7800*	7200#	5800#	4800#
130 x 85	3300	3000	2700	2500	2300
165 x 85	4000	3600	3400	3200	2900
195 x 85	4500	4100	3800	3600	3400
230 x 85	5200	4700	4300	4100	3900*
260 x 85	5700	5100	4700	4500	4300#
295 x 85	6200	5600	5200	4900*	4700#
330 x 85	6800	6100	5700*	5400#	5100*
360 x 85	7200	6500	6100*	5700#	5500*
395 x 85	7800	7000	6500#	6200*	5900#
425 x 85	8200	7400	6900#	6500*	6200#
460 x 85	8700	7900*	7300#	6900#	6300#
495 x 85	–	8300#	7700*	7300#	6300#
130 x 130	3700	3400	3100	2900	2700
165 x 130	4500	4000	3700	3500	3400
195 x 130	5100	4600	4200	4000	3800
230 x 130	5700	5200	4800	4600	4300
260 x 130	6300	5700	5300	5000	4800
295 x 130	6900	6300	5800	5500	5200
330 x 130	7500	6800	6300	6000	5700
360 x 130	8000	7300	6800	6400	6100*
395 x 130	8600	7800	7200	6900*	6500#
425 x 130	–	8200	7700	7200*	6900#
460 x 130	–	8700	8100	7700#	7300#
495 x 130	–	–	8600*	8100#	7800*

Table values relate to Allowable Maximum Span in mm.

Note: * denotes member must have a minimum 85mm bearing length at the internal support.

denotes member must have a minimum 115mm bearing length at the internal support.

FLOOR BEARER SPAN TABLES

Not supporting roof loads



Floor Bearer: T3 GREEN MGP10

Single Span

Size	Floor Load Width (m)				
	1.20	1.80	2.40	3.00	3.60
90x35	900	900	–	–	–
140x35	1800	1400	1200	1100	1000
190x35	2300	1900	1600	1500	1300
90x45	1100	1000	900	–	–
140x45	2000	1600	1400	1200	1100
190x45	2700	2200	1900	1700	1500
240x45	3300	2700	2300	2000	1900

Table values relate to Allowable Maximum Span in mm.

NOTES:

Span information is to be read in conjunction with the relevant Hyne Technical Data Sheets for T3 Green products.

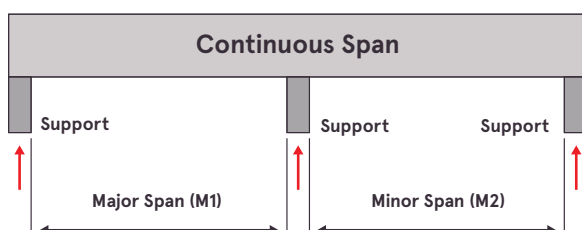
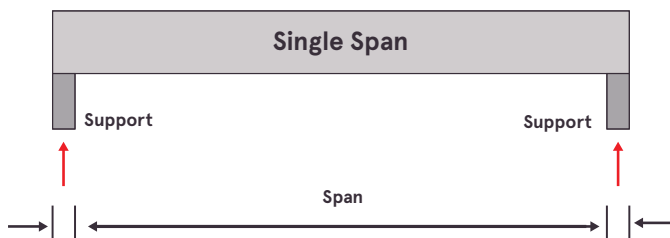
All installation must be carried out in accordance with the Hyne T3 Green Installation Guide to ensure performance and warranty compliance.

Floor Bearer: T3 GREEN MGP10

Continuous Spans

Size	Floor Load Width (m)				
	1.20	1.80	2.40	3.00	3.60
90x35	1200	900	–	–	–
140x35	1800	1400	1200	1100	1000
190x35	2300	1900	1600	1500	1300
70x45	900	–	–	–	–
90x45	1300	1000	900	–	–
140x45	2000	1600	1400	1200	1100
190x45	2700	2200	1900	1700	1500
240x45	3300	2700	2300	2000	1900

Table values relate to Allowable Maximum 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'.