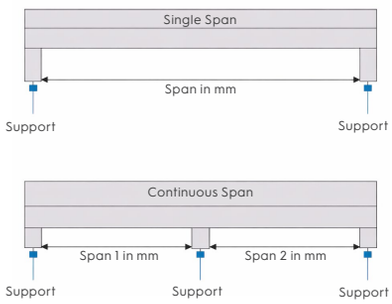
NelsonPine LVL13: Span tables/charts

A Floor Joist is one of a number of parallel members required to support flooring.
Floor Dead Load - with ceiling - 42kg/m2.

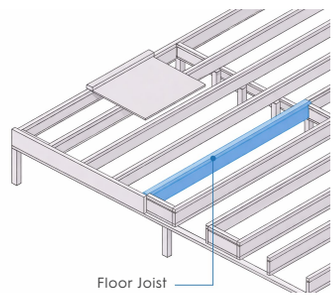
BASIC LOADING DATA

Flooring = Particle Board (30)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = General (1.5, 1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load with a 2mm deflection Limit and >8Hz natural frequency.

Min End Bearing Length = 90mm
Min Intermediate bearing = 90mm
Service Class = Internal Protected



A member is considered continuous if it supported on three or more points (2 or more spans) and span 2 is at least 75% of span 1



EXTERNAL USE

Where joists are to be used in an external application such as a balcony, the members must be fully protected from the weather, or treated to an H3 level.

Version 2.0 - April 2026	Single Span: Hyne Design - Table 1		
NP Frame LVL13	Joist Spacing (m)		
Single Span	**0.40**	**0.45**	**0.60**
150 x 45	3200	3000	2900
200 x 45	4500	4300	4000
240 x 45	5200	5000	4700
300 x 45	6200	6000	5500
360 x 45	7100	6900	6400
400 x 45	7600	7400	6900
150 x 63	3700	3500	3300
200 x 63	4900	4800	4400
240 x 63	5700	5500	5100
300 x 63	6600	6500	6000
360 x 63	7500	7400	7000
400 x 63	8100	7900	7500

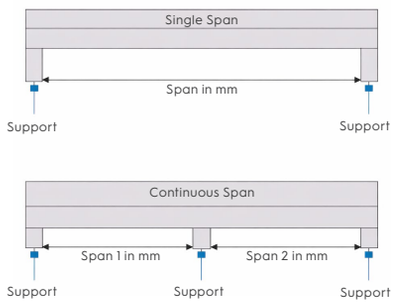
Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2		
NP Frame LVL13	Joist Spacing (m)		
Continuous Span	**0.40**	**0.45**	**0.60**
150 x 45	3700	3600	3400
200 x 45	4700	4500	4200
240 x 45	5400	5200	4800
300 x 45	6400	6200	5700
360 x 45	7300	7100	6600
400 x 45	7900	7700	7200
150 x 63	4200	3900	3700
200 x 63	5100	4900	4600
240 x 63	5800	5700	5300
300 x 63	6900	6700	6300
360 x 63	8000	7700	7200
400 x 63	8600	8400	7800

Table values relate to Allowable Maximum Span in mm

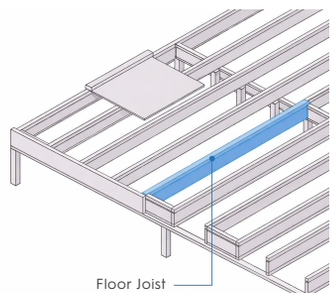
Spans have been derived from Hyne Design Software. If you require additional span details or alternative configurations/solutions, please refer to the **Hyne Design Software** for comprehensive structural timber design information: https://www.nelsonpine.co.nz/product/lvl-design-tool-hyne/

NelsonPine LVL11: Span tables/charts

A Floor Joist is one of a number of parallel members required to support flooring.
Floor Dead Load - with ceiling - 42kg/m2.



A member is considered continuous if it supported on three or more points (2 or more spans) and span 2 is at least 75% of span 1



BASIC LOADING DATA

Flooring = Particle Board (30)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = General (1.5, 1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load with a 2mm deflection Limit and >8Hz natural frequency.

Min End Bearing Length = 90mm
Min Intermediate bearing = 90mm
Service Class = Internal Protected

EXTERNAL USE

Where joists are to be used in an external application such as a balcony, the members must be fully protected from the weather, or treated to an H3 level.

Version 2.0 - April 2026	Single Span: Hyne Design - Table 1		
NP Frame LVL11	Joist Spacing (m)		
Single Span	**0.40**	**0.45**	**0.60**
90 x 45	1600	1500	1500
140 x 45	2700	2600	2500
150 x 45	3000	2800	2700
190 x 45	4000	3700	3500
200 x 45	4300	4000	3700
240 x 45	4900	4800	4500
300 x 45	5900	5700	5300
360 x 45	6800	6600	6100
400 x 45	7300	7100	6600

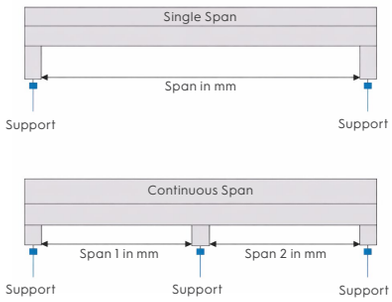
Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2		
NP Frame LVL11	Joist Spacing (m)		
Continuous Span	**0.40**	**0.45**	**0.60**
90 x 45	1900	1800	1700
140 x 45	3400	3100	2900
150 x 45	3600	3400	3200
190 x 45	4300	4100	3800
200 x 45	4400	4300	4000
240 x 45	5100	5000	4600
300 x 45	6100	5900	5500
360 x 45	7000	6800	6300
400 x 45	7600	7300	6800

Table values relate to Allowable Maximum Span in mm

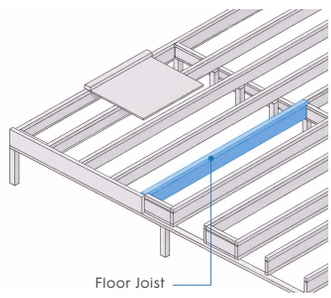
Spans have been derived from Hyne Design Software. If you require additional span details or alternative configurations/solutions, please refer to the **Hyne Design Software** for comprehensive structural timber design information: https://www.nelsonpine.co.nz/product/lvl-design-tool-hyne/

NelsonPine LVL8: Span tables/charts

A Floor Joist is one of a number of parallel members required to support flooring.
Floor Dead Load - with ceiling - 42kg/m2.



A member is considered continuous if it supported on three or more points (2 or more spans) and span 2 is at least 75% of span 1



BASIC LOADING DATA

Flooring = Particle Board (30)
Underfloor Ceiling = 10mm P'Board (12)
Floor Live Load = General (1.5, 1.8)
Standard AS1720.3 Dynamics for 1.0 kN static load with a 2mm deflection Limit and >8Hz natural frequency.

Min End Bearing Length = 90mm
Min Intermediate bearing = 90mm
Service Class = Internal Protected

EXTERNAL USE

Where joists are to be used in an external application such as a balcony, the members must be fully protected from the weather, or treated to an H3 level.

Version 2.0 - April 2026	Single Span: Hyne Design - Table 1		
NP Frame LVL8	Joist Spacing (m)		
Single Span	**0.40**	**0.45**	**0.60**
90 x 45	1400	1300	1300
140 x 45	2400	2300	2200
190 x 45	3500	3300	3100
240 x 45	4600	4300	4100
290 x 45	5300	5100	4800
300 x 45	5400	5300	4900

Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2		
NP Frame LVL8	Joist Spacing (m)		
Continuous Span	**0.40**	**0.45**	**0.60**
90 x 45	1700	1600	1500
140 x 45	3000	2700	2600
190 x 45	3900	3800	3500
240 x 45	4700	4600	4200
290 x 45	5500	5300	4900
300 x 45	5600	5400	5000

Table values relate to Allowable Maximum Span in mm

Spans have been derived from Hyne Design Software. If you require additional span details or alternative configurations/solutions, please refer to the **Hyne Design Software** for comprehensive structural timber design information: https://www.nelsonpine.co.nz/product/lvl-design-tool-hyne/