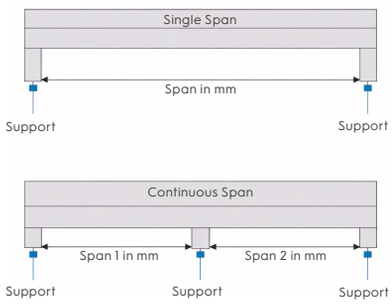
NelsonPine LVL13: Span tables/charts

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

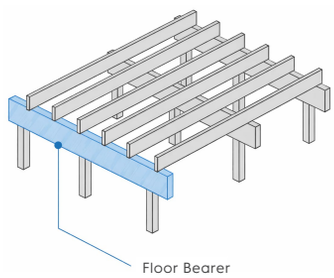
BASIC LOADING DATA

Flooring = particle board (30kg/m2)
Ceiling = plasterboard (20kg/m2)
Floor live load = General (1.5kPa, 1.8kN)

Min End Bearing Length = 45mm
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



Version 2.0 - April 2026	Single Span: Hyne Design - Table 1							
NP Frame LVL13	Floor Load Width (m)							
Single Span	**1.20**	**1.50**	**1.80**	**2.10**	**2.40**	**3.00**	**4.00**	**5.00**
2/150 x 45	2900	2700	2500	2400	2300	2100	1900	1800
2/200 x 45	3800	3600	3400	3300	3100	2900	2600	2400
2/240 x 45	4400	4200	4000	3800	3700	3500	3100	2900
2/300 x 45	5200	4900	4700	4500	4400	4100	3800	3600*
2/360 x 45	5900	5600	5400	5200	5000	4700	4400*	4100*
2/400 x 45	6400	6100	5800	5600	5400	5100	4800*	4500*
2/460 x 45	7100	6800	6500	6200	6000	5700*	5300*	5000*
2/610 x 45	8700	8300	8000	7700*	7400*	7000*	6500*	6200*
2/150 x 63	3300	3100	2900	2700	2600	2400	2100	2000
2/200 x 63	4100	3900	3800	3600	3500	3200	2900	2700
2/240 x 63	4800	4500	4300	4100	4000	3800	3500	3200
2/300 x 63	5600	5300	5100	4900	4700	4500	4100	3900
2/360 x 63	6400	6100	5800	5600	5400	5500	4800	4500*
2/400 x 63	6900	6500	6400	6100	5900	5600	5200*	4900*
2/460 x 63	7600	7300	7000	6700	6500	6200	5700*	5400*
2/610 x 63	9300	8900	8600	8300	8000	7600*	7100*	6700*

Table values relate to Allowable Maximum Span in mm
*Denotes support min 90mm

Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2							
NP Frame LVL13	Floor Load Width (m)							
Continuous Span	**1.20**	**1.50**	**1.80**	**2.10**	**2.40**	**3.00**	**4.00**	**5.00**
2/150 x 45	3300	3100	2900	2700	2600	2400*	2200*	2000*
2/200 x 45	4200	4000	3800*	3600*	3500*	3300*	3000*	2700*
2/240 x 45	4800	4600*	4400*	4200*	4000*	3800*	3500*	3300#
2/300 x 45	5700*	5400*	5200*	5000*	4800*	4500*	4200#	4000#
2/360 x 45	6600*	6200*	6000*	5700*	5500*	5200#	4900#	4400#
2/400 x 45	7200*	6800*	6500*	6200*	6000*	5700#	5100#	4500#
2/460 x 45	8000*	7500*	7200*	6900*	6600#	5900#		
2/610 x 45	8900*	8000*	7300*					
2/150 x 63	3700	3500	3200	3100	2900	2700	2500*	2300*
2/200 x 63	4600	4300	4100	4000*	3800*	3600*	3300*	3100*
2/240 x 63	5300	5000	4700*	4600*	4400*	4200*	3900*	3600*
2/300 x 63	6300	5900*	5600*	5400*	5200*	4900*	4600*	4300#
2/360 x 63	7200*	6800*	6500*	6200*	6000*	5700*	5300*	5000#
2/400 x 63	7800*	7400*	7000*	6800*	6500*	6200*	5700#	5400#
2/460 x 63	8700*	8200*	7800*	7500*	7300*	6900*	6400#	6000#
2/610 x 63	10800*	10200*	9700*	9300*	9000#	8500#	7900#	7500#

Table values relate to Allowable Maximum Span in mm
*Denotes intermediate support min 135mm
# Denotes intermediate support min 180mm

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/

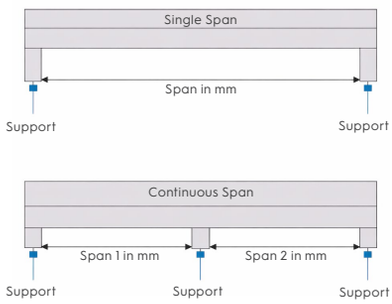
NelsonPine LVL11: Span tables/charts

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

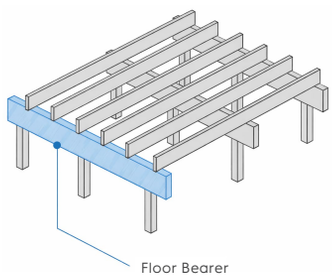
BASIC LOADING DATA

Flooring = particle board (30kg/m2)
Ceiling = plasterboard (20kg/m2)
Floor live load = General (1.5kPa, 1.8kN)

Min End Bearing Length = 45mm
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



Version 2.0 - April 2026	Single Span: Hyne Design - Table 1							
NP Frame LVL11	Floor Load Width (m)							
Single Span	1.20	1.50	1.80	2.10	2.40	3.00	4.00	5.00
2/90 x 45	1600	1500	1400	1300	1200	1100	1000	900
2/140 x 45	2600	2400	2200	2100	2000	1900	1700	1500
2/150 x 45	2800	2500	2400	2300	2200	2000	1800	1600
2/190 x 45	3500	3300	3100	2900	2800	2600	2400	2100
2/200 x 45	3700	3400	3200	3100	2900	2700	2400	2200
2/240 x 45	4200	4000	3800	3600	3500	3300	2900	2700
2/300 x 45	5000	4700	4500	4300	4200	3900	3600	3400*
2/360 x 45	5700	5400	5200	5000	4800	4300	4200*	3900*
2/400 x 45	6100	5800	5600	5400	5200	4900	4500*	4300*
2/460 x 45	6800	6500	6200	6000	5800	5400*	5000*	4700*
2/610 x 45	8300	7900	7600	7300	7100*	6700*	6200*	5900*

Table values relate to Allowable Maximum Span in mm
*Denotes support min 90mm

Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2							
NP Frame LVL11	Floor Load Width (m)							
Continuous Span	1.20	1.50	1.80	2.10	2.40	3.00	4.00	5.00
2/90 x 45	1800	1700	1600	1500	1400	1300	1200	1100
2/140 x 45	2900	2700	2500	2400	2300	2100*	1900*	1700*
2/150 x 45	3100	2900	2700	2600	2400	2300*	2000*	1900*
2/190 x 45	3800	3600	3500	3300*	3100*	2900*	2600*	2300*
2/200 x 45	4000	3800	3600*	3500*	3300*	3100*	2800*	2500*
2/240 x 45	4600	4400*	4200*	4000*	3900*	3600*	3400*	3000*
2/300 x 45	5500*	5200*	4900*	4700*	4600*	4300*	4000#	3600#
2/360 x 45	6300*	6000*	5700*	5500*	5300*	5000*	4400#	3900#
2/400 x 45	6800*	6500*	6200*	5900*	5700*	5200#	4500#	4000#
2/460 x 45	7600*	7200*	6800*	6300*	5900*			
2/610 x 45	7900*							

Table values relate to Allowable Maximum Span in mm
*Denotes intermediate support min 135mm
#Denotes intermediate support min 180mm

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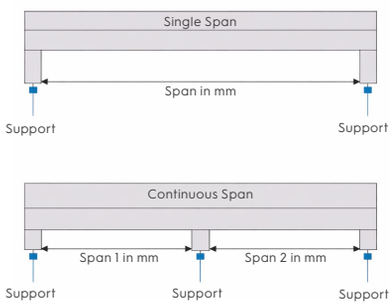
NelsonPine LVL8: Span tables/charts

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

BASIC LOADING DATA

Flooring = particle board (30kg/m2)
Ceiling = plasterboard (20kg/m2)
Floor live load = General (1.5kPa, 1.8kN)

Min End Bearing Length = 45mm
Min Intermediate bearing = 90mm
Service Class = Internal Protected



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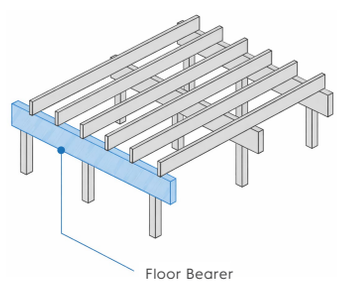

Version 2.0 - April 2026	Single Span: Hyne Design - Table 1							
NP Frame LVL8	Floor Load Width (m)							
Single Span	**1.20**	**1.50**	**1.80**	**2.10**	**2.40**	**3.00**	**4.00**	**5.00**
2/90 x 45	1400	1300	1200	1200	1100	1000	900	800
2/140 x 45	2300	2100	2000	1900	1800	1600	1500	1400
2/190 x 45	3200	2900	2700	2600	2500	2300	2100	1900
2/240 x 45	3900	3700	3500	3300	3200	2900	2600	2400
2/290 x 45	4500	4200	4000	3900	3800	3500	3200	3000
2/300 x 45	4600	4300	4100	4000	3900	3600	3300	3100

Table values relate to Allowable Maximum Span in mm

Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2							
NP Frame LVL8	Floor Load Width (m)							
Continuous Span	**1.20**	**1.50**	**1.80**	**2.10**	**2.40**	**3.00**	**4.00**	**5.00**
2/90 x 45	1600	1500	1400	1300	1200	1100	1000	900
2/140 x 45	2600	2400	2200	2100	2000	1900	1600*	1500*
2/190 x 45	3500	3300	3100	2900	2800*	2600*	2300*	2100*
2/240 x 45	4200	4000	3800*	3700*	3500*	3300*	2900#	2600#
2/290 x 45	4900	4600*	4400*	4200*	4100*	3800#	3400#	3100#
2/300 x 45	5000	4700*	4500*	4300*	4200*	3900#	3500#	3100#

Table values relate to Allowable Maximum Span in mm
*Denotes intermediate support min 135mm
#Denotes intermediate support min 180mm

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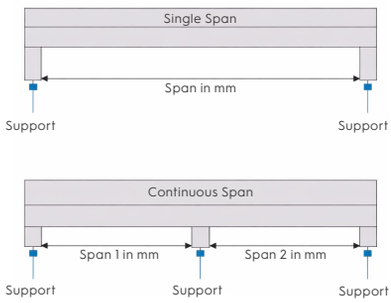
NelsonPine LVL P11: Span tables/charts

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

BASIC LOADING DATA

Flooring = particle board (30kg/m2)
Ceiling = plasterboard (20kg/m2)
Floor live load = General (1.5kPa, 1.8kN)

Min End Bearing Length = 45mm
Min Intermediate bearing = 90mm
Service Class = Internal Protected



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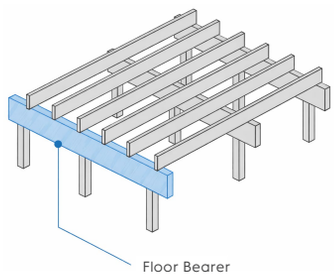

Version 2.0 - April 2026	Single Span: Hyne Design - Table 1							
NP Frame LVL P11	Floor Load Width (m)							
Single Span	**1.20**	**1.50**	**1.80**	**2.10**	**2.40**	**3.00**	**4.00**	**5.00**
150 x 90	2800	2500	2400	2300	2200	2000	1800	1600
200 x 90	3700	3400	3200	3100	2900	2700	2400	2200
240 x 90	4200	4000	3800	3600	3500	3300	2900	2700
300 x 90	5000	4700	4500	4300	4200	3900	3600	3400
360 x 90	5700	5400	5200	5000	4800	4500	4200	3900*
400 x 90	6100	5800	5600	5400	5200	4900	4500*	4300*
610 x 90	8300	7900	7600	7300	7100	6700*	6200*	5900*

Table values relate to Allowable Maximum Span in mm
* Denotes support min 90mm

Version 2.0 - April 2026	Continuous Span: Hyne Design - Table 2							
NP Frame LVL P11	Floor Load Width (m)							
Continuous Span	**1.20**	**1.50**	**1.80**	**2.10**	**2.40**	**3.00**	**4.00**	**5.00**
150 x 90	3100	2900	2700	2600	2400	2300*	2000*	1900*
200 x 90	4000	3800	3600*	3500*	3300*	3100*	2800*	2500*
240 x 90	4600	4400*	4200*	4000*	3900*	3600*	3400*	3000*
300 x 90	5500*	5200*	4900*	4700*	4600*	4300*	4000#	3600#
360 x 90	6300*	6000*	5700*	5500*	5300*	5000*	4400#	3900#
400 x 90	6800*	6500*	6200*	5900*	5700*	5400#	5000#	4700#
610 x 90	9400*	8900*	8500#	8200#	7800#	7500#	6900#	6500#

Table values relate to Allowable Maximum Span in mm
*Denotes intermediate support min 135mm
#Denotes intermediate support min 180mm

NelsonPine LVL P11 is an H1.2 treated engineered wood product consisting of radiata pine veneers laminated together to produce structural framing materials. Feedstock is structural 45mm NelsonPine LVL subsequently secondary bonded into thicker product using PUR adhesive.

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