

Selection Charts

Lintel Tables for

Light roof up to 25° pitch with ceiling eaves up to 750mm wide. Maximum lintel spans given in metres.

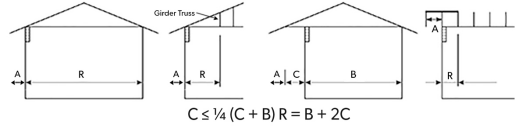


Table 1

Lintels supporting lightweight roof with ceiling

		Supported Roof Width (m)						
SNOW	WIND	2.0	4.0	6.0	8.0	10.0	12.0	14.0
0.5kPa	up to High	5.90	5.45	5.10	4.85	4.60	4.45	4.10
	Very High	5.80	5.25	4.85	4.60	4.40	4.20	4.05
	Extra High	5.50	5.00	4.65	4.40	4.20	4.00	3.90
1.0 kPa	up to High	5.90	5.45	5.10	4.50	3.75	3.20	2.80
	Very High	5.80	5.25	4.85	4.50	3.75	3.20	2.80
	Extra High	5.50	5.00	4.65	4.40	3.75	3.20	2.80
1.5 kPa	up to High	5.90	5.45	4.30	3.40	2.85	2.40	2.10
	Very High	5.80	5.25	4.30	3.40	2.85	2.40	2.10
	Extra High	5.50	5.00	4.30	3.40	2.85	2.40	2.10
2.0 kPa	All wind zones	5.50	4.60	3.45	2.75	2.25	1.95	1.70

These span tables apply only to Prolam products

Selection Charts

Lintel Tables for

Light roof up to 25° pitch with ceiling eaves up to 750mm wide. Maximum lintel spans given in metres.

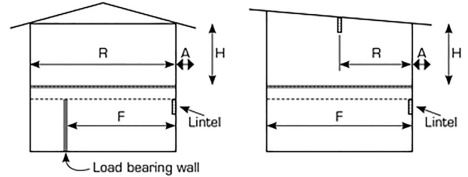


Table 2

Lintels supporting floor, wall and lightweight roof with ceiling. Lightweight wall cladding up to 2.7m high.

All Wind Zones

		Supported Roof Width (m)						
SNOW	FLOOR SPAN (m)	2.0	4.0	6.0	8.0	10.0	12.0	14.0
0.5kPa & 1.0 kPa	2.5	4.55	4.40	4.30	4.20	4.10	3.95	3.80
	4.0	4.30	4.20	4.05	3.90	3.75	3.65	3.50
	5.5	4.00	3.85	3.75	3.60	3.50	3.40	3.30
	7.0	3.70	3.55	3.45	3.35	3.25	3.15	3.10
1.5 kPa	2.5	4.55	4.40	4.05	3.70	3.45	3.20	3.05
	4.0	4.30	4.25	3.90	3.60	3.35	3.15	3.00
	5.5	4.00	3.85	3.75	3.50	3.25	3.10	2.90
	7.0	3.70	3.55	3.45	3.35	3.20	3.00	2.85
2.0 kPa	2.5	4.55	4.15	3.70	3.40	3.15	2.95	2.75
	4.0	4.30	4.00	3.60	3.30	3.05	2.90	2.70
	5.5	4.00	3.85	3.50	3.25	3.00	2.85	2.65
	7.0	3.70	3.55	3.40	3.15	2.95	2.75	2.60

These span tables apply only to Prolam products

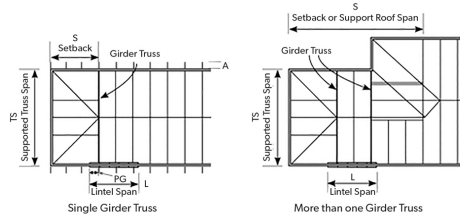
Selection Charts

Table 3

Lintels supporting girder truss.

Table3a

0.5kPa Snow



		Girder Truss Span (m)						
WIND ZONE	SET BACK	2.0	4.0	6.0	8.0	10.0	12.0	14.0
Up to High	1.2	5.90	5.45	5.10	4.85	4.60	4.45	4.10
	2.4	5.90	5.45	5.05	4.75	4.55	4.35	4.10
	3.6	5.90	5.30	4.90	4.60	4.35	4.15	3.80
	4.8	5.85	5.15	4.75	4.45	4.20	3.75	3.40
	6.0	5.75	5.05	4.60	4.30	3.85	3.35	3.00
	7.5	5.60	4.90	4.45	4.00	3.40	2.95	2.65
	10.0	5.45	4.65	4.20	3.40	2.85	2.45	2.10
Very High	1.2	5.80	5.25	4.85	4.60	4.40	4.20	4.05
	2.4	5.80	5.25	4.80	4.50	4.30	4.10	3.95
	3.6	5.80	5.10	4.65	4.35	4.10	3.80	3.45
	4.8	5.65	4.90	4.50	4.15	3.80	3.35	3.00
	6.0	5.55	4.80	4.35	4.00	3.45	3.00	2.65
	7.5	5.40	4.60	4.15	3.55	3.05	2.65	2.30
	10.0	5.20	4.40	3.75	3.00	2.50	2.15	1.90
Extra High	1.2	5.50	5.00	4.65	4.40	4.20	4.00	3.90
	2.4	5.50	5.00	4.60	4.30	4.05	3.90	3.65
	3.6	5.50	4.80	4.40	4.10	3.90	3.50	3.15
	4.8	5.35	4.65	4.25	3.95	3.50	3.05	2.75
	6.0	5.25	4.55	4.10	3.65	3.10	2.75	2.40
	7.5	5.10	4.35	3.95	3.25	2.75	2.35	2.10
	10.0	4.90	4.15	3.40	2.70	2.25	1.95	1.70

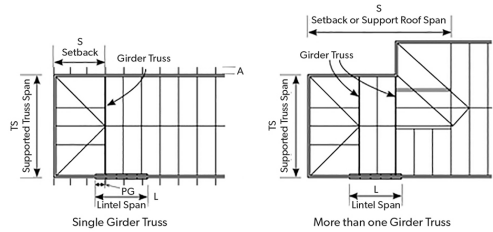
Selection Charts

Table 3

Lintels supporting girder truss.

Table 3b

1.0kPa Snow



WIND ZONE	SET BACK	Girder Truss Span (m)						
		2.0	4.0	6.0	8.0	10.0	12.0	14.0
Up to Very High	1.2	5.80	5.25	4.85	4.50	3.75	3.20	2.80
	2.4	5.80	5.25	4.80	4.50	3.75	3.20	2.80
	3.6	5.80	5.10	4.65	4.35	3.75	3.20	2.80
	4.8	5.65	4.90	4.50	4.15	3.55	3.10	2.75
	6.0	5.55	4.80	4.35	3.70	3.10	2.65	2.35
	7.5	5.40	4.60	4.00	3.15	2.65	2.25	1.95
	10.0	5.20	4.40	3.25	2.55	2.10	1.75	1.50
Extra High	1.2	5.50	5.00	4.30	3.40	2.85	2.40	2.10
	2.4	5.50	5.00	4.30	3.40	2.85	2.40	2.10
	3.6	5.50	4.80	4.30	3.40	2.85	2.40	2.10
	4.8	5.35	4.65	4.25	3.40	2.85	2.40	2.10
	6.0	5.25	4.55	3.85	3.05	2.50	2.15	1.85
	7.5	5.10	4.35	3.25	2.55	2.10	1.75	1.55
	10.0	4.90	3.70	2.60	2.00	1.60	1.35	1.15

These span tables apply only to Prolam products

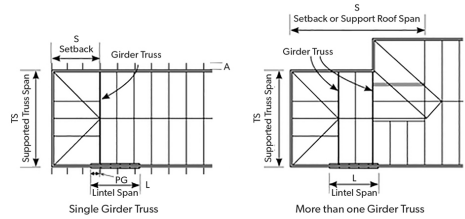
Selection Charts

Table 3

Lintels supporting girder truss.

Table 3c

1.5kPa Snow

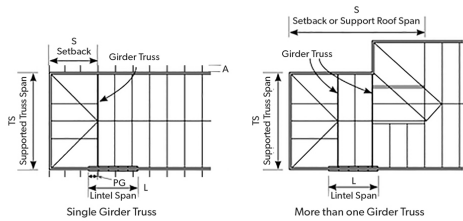


		Girder Truss Span (m)						
WIND ZONE	SET BACK	2.0	4.0	6.0	8.0	10.0	12.0	14.0
Up to Very High	1.2	5.80	5.25	4.30	3.40	2.85	2.40	2.10
	2.4	5.80	5.25	4.30	3.40	2.85	2.40	2.10
	3.6	5.80	5.10	4.30	3.40	2.85	2.40	2.10
	4.8	5.65	4.90	4.30	3.40	2.85	2.40	2.10
	6.0	5.55	4.80	3.85	3.05	2.50	2.15	1.85
	7.5	5.40	4.55	3.25	2.55	2.10	1.75	1.55
	10.0	5.20	3.70	2.60	2.00	1.60	1.35	1.15
Extra High	1.2	5.50	5.00	4.30	3.40	2.85	2.40	2.10
	2.4	5.50	5.00	4.30	3.40	2.85	2.40	2.10
	3.6	5.50	4.80	4.30	3.40	2.85	2.40	2.10
	4.8	5.35	4.65	4.25	3.40	2.85	2.40	2.10
	6.0	5.25	4.55	3.85	3.05	2.50	2.15	1.85
	7.5	5.10	4.35	3.25	2.55	2.10	1.75	1.55
	10.0	4.90	3.70	2.60	2.00	1.60	1.35	1.15

Selection Charts

Table 3
Lintels supporting girder truss.

Table3d
2.0kPa Snow



		Girder Truss Span (m)						
WIND ZONE	SET BACK	2.0	4.0	6.0	8.0	10.0	12.0	14.0
All Wind Zones	1.2	5.50	4.60	3.45	2.75	2.25	1.95	1.70
	2.4	5.50	4.60	3.45	2.75	2.25	1.95	1.70
	3.6	5.50	4.60	3.45	2.75	2.25	1.95	1.70
	4.8	5.35	4.60	3.45	2.75	2.25	1.95	1.70
	6.0	5.25	4.55	3.30	2.55	2.10	1.75	1.55
	7.5	5.10	3.90	2.75	2.10	1.70	1.45	1.25
	10.0	4.90	3.10	2.15	1.65	1.30	1.10	0.95

Table 4
Floor Beams

Internal Floor Beam supporting timber floor only. Beams do not support walls or roofs. Live Load 1.5kPa for Houses.

	Average Joist Span (m)					
	2.4	3.0	3.6	4.8	6.0	7.2
Joists to one side of beam	5.00	4.80	4.60	4.30	4.05	3.85
Joist to both sides of beam	4.55	4.25	4.00	3.55	3.20	2.90

Example of joists to one side would be the edge of a mezzanine floor.
In this case allowance has been made for the weight of a balustrade up to 30kg/m

Note: The joist span is the overall span and not the "loaded dimension".