



PRESTRESSED CONCRETE HIGH-STRENGTH



APPLICATION

Designed to support:

- Masonry loads
- Uniformly distributed timber floor loads
- Uniformly distributed roof loads
- Concrete floor loads
- Attic truss loads
- Point loads: compound trusses, steel beams, etc

ALWAYS CHECK LOADINGS AGAINST OUR LOAD-SPAN TABLE

INSTALLATION NOTES

For general installation notes please refer to page 67.

Additional installation requirements for lintels supporting concrete floor units

- Check that the correct lintel has been installed.
- Minimum recommended lintel depth is 140mm in order to absorb the shock loading of concrete floor. Precast flooring units should be laid on a mortar bed across the whole wall width and should not be dragged over supports.

ADVANTAGES

- A cost effective, high performance range of lintels
- Easy to install and suitable for a variety of applications: internal partitions, external cavity walls, garages, over services.
- We offer a wide range of lintels from 100 x 70 through to 215 x 215.
- If required, Stressline can schedule and deliver in house plots.

IMPORTANT NOTES

- The loading figures published in the load-span tables represent the Uniform Distributed Serviceable Load (UDL) in kN/m which can be supported by the lintel without the provision of structural brickwork/blockwork over. This is known as Independent Design.
- Lintel lengths shown greyed out within the load-span table are available in longer lengths than the maximum clear span would normally allow. These longer lengths lintels should be used over a series of openings (with intermediate supports) NOT exceeding the maximum clear span and NOT simply supported at each end (i.e. all 70mm deep lintels must not clear span more than 1800mm).
- Lintels are marked TOP and must be used in the correct orientation

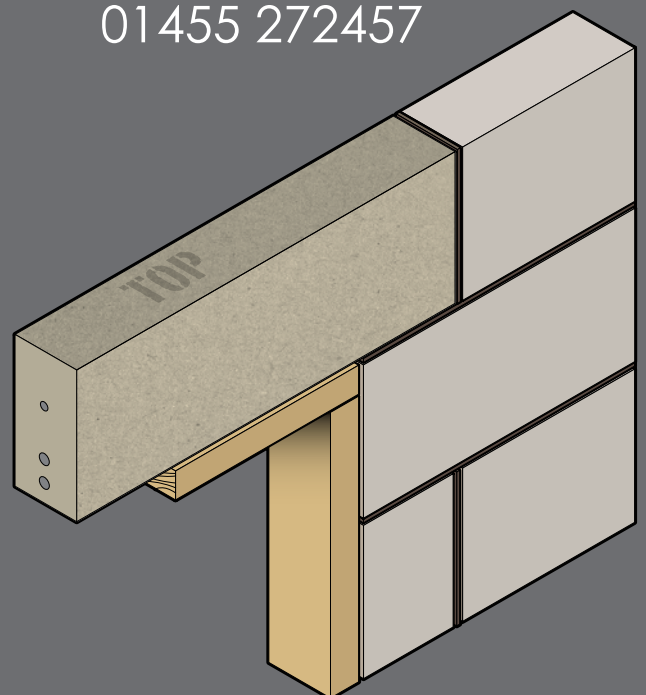
ABBREVIATIONS:

UDL – Uniform Distributed Load (Serviceable)
RM – Resistance Moment (Serviceable)



If in doubt please contact our technical department on

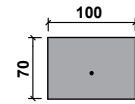
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STANDARD LENGTHS (mm)	900	1200	1350	1500	1800	2100	2400						
Clear Span (mm)	600	900	1050	1200	1500	1800							
Weight (Kg/m)	17.1	17.1	17.1	17.1	17.1	17.1	17.1						
UDL (kN/m)	23.9*	11.0	8.2	6.3	4.0	2.8							
RM (kNm)	1.2	1.2	1.2	1.2	1.2	1.2							

*UDL is restricted by shear
Minimum manufactured length is 900mm Maximum manufactured length is 2400mm

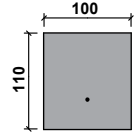
100 x 70 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1650	1800	2100	2400	2700	3000				
Clear Span (mm)	600	900	1050	1200	1350	1500	1800	2100	2400	2700				
Weight (Kg/m)	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9				
UDL (kN/m)	41.5*	24.7	18.6	14.3	11.5	9.3	6.5	4.8	3.6	2.8				
RM (kNm)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0				

*UDL is restricted by shear
Minimum manufactured length is 900mm Maximum manufactured length is 3000mm

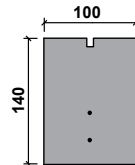
100 x 110 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1650	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1050	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
UDL (kN/m)	68.7*	40.6	35.0	27.0	21.9	17.7	12.5	9.2	7.1	5.6	4.5	3.7	3.1	2.6
RM (kNm)	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8

*UDL is restricted by shear
Minimum manufactured length is 900mm Maximum manufactured length is 4200mm

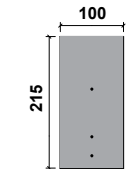
100 x 140 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1650	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1050	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
UDL (kN/m)	78.5*	63.2	57.4	49.2	43.1	36.9	27.2	21.5	16.7	13.3	10.8	9.0	7.5	6.4
RM (kNm)	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4

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Minimum manufactured length is 900mm Maximum manufactured length is 4200mm

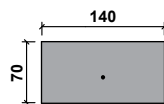
100 x 215 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1800	2100	2400							
Clear Span (mm)	600	900	1050	1200	1500	1800								
Weight (Kg/m)	24.0	24.0	24.0	24.0	24.0	24.0	24.0							
UDL (kN/m)	25.2*	11.6	8.5	6.5	4.2	2.8								
RM (kNm)	1.3	1.3	1.3	1.3	1.3	1.3								

*UDL is restricted by shear
Minimum manufactured length is 900mm Maximum manufactured length is 2400mm

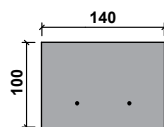
140 x 70 HIGH-STRENGTH



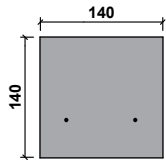
STANDARD LENGTHS (mm)	900	1200	1350	1500	1650	1800	2100	2400	2700	3000				
Clear Span (mm)	600	900	1050	1200	1350	1500	1800	2100	2400	2700				
Weight (Kg/m)	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3				
UDL (kN/m)	54.1*	35.0	26.2	20.3	16.1	13.1	9.2	6.7	5.1	4.3				
RM (kNm)	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2				

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Minimum manufactured length is 900mm Maximum manufactured length is 3000mm

140 x 100 HIGH-STRENGTH



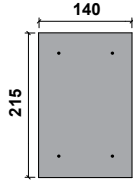
140 x 140 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1050	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
UDL (kN/m)	67.5*	57.9	52.1	39.2	26.5	18.6	13.8	10.6	8.4	6.7	5.6	4.6	3.8
RM (kNm)	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8

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Minimum manufactured length is 900mm Maximum manufactured length is 4200mm

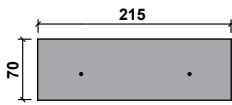
140 x 215 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1050	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
UDL (kN/m)	101.2*	81.2	73.5	63.2	46.3	33.2	24.9	19.4	15.4	12.5	10.3	8.6	7.3
RM (kNm)	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8

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Minimum manufactured length is 900mm Maximum manufactured length is 4200mm

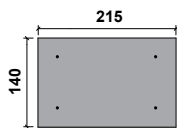
215 x 70 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1500	1800	2100	2400							
Clear Span (mm)	600	900	1200	1500	1800								
Weight (Kg/m)	38.6	38.6	38.6	38.6	38.6	38.6							
UDL (kN/m)	44.0*	20.2	11.5	7.3	5.0								
RM (kNm)	2.3	2.3	2.3	2.3	2.3								

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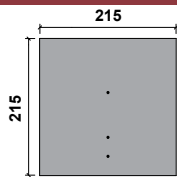
215 x 140 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1050	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
UDL (kN/m)	93.2*	64.3	50.8	45.9	30.1	21.2	15.6	12.0	9.4	7.5	6.2	5.1	4.2
RM (kNm)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

*UDL is restricted by shear
Minimum manufactured length is 900mm Maximum manufactured length is 4200mm

215 x 215 HIGH-STRENGTH



STANDARD LENGTHS (mm)	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2	113.2
UDL (kN/m)	143.0*	112.4*	77.8	51.6	36.5	27.1	20.9	16.5	13.3	10.9	9.0	7.6
RM (kNm)	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7

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Minimum manufactured length is 900mm Maximum manufactured length is 4200mm