



LINTEL GUIDE 2019



www.stressline.net

T H E S O L I D C H O I C E

1964 **50** 2014

PROUDLY INDEPENDENT





BUILD ON OUR STRENGTH

COMPANY HISTORY



Stressline Limited manufactures a wide range of structural building products for domestic and commercial sectors. Stressline is the first choice for builders, contractors & specifiers across the UK because of its ability to deliver high quality products on time and at the right price, ensuring projects are not disrupted and work is completed on time.

Stressline also supply direct to site or through a supply chain of merchants across the country, making sure their products are always highly accessible. Stressline's customers choose them over other structural product manufacturers because of the promise to always be competitive on price, the mixed order delivery capabilities and the high quality service.

INTRODUCING OUR EXTENDED LINTEL RANGE

Stressline's in-house technical and manufacturing departments have worked hard to deliver an extended range of steel lintels. The new lintel guide clearly lays out the extended standard range of steel lintels, and for the first time the prestressed concrete lintel range, allowing the customer the utmost flexibility and choice to satisfy their lintel requirements.

STRUCTURAL BUILDING PRODUCTS

This extended steel lintel range perfectly compliments our other structural building products.

We manufacture a complete range of prestressed concrete products in addition to the prestressed concrete lintels; including flooring beams (suitable for concrete or insulation infill), hollowcore flooring, and walling panels. Precast items available include padstones, stairflights and landing slabs, although our extensive design and manufacturing resource enables special projects to be produced cost effectively. Our non-structural range includes fencing, landscape, walling, and decorative cast stone products.

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SERVICE DELIVERY

OUR COMMITMENT TO YOU

SALES & SUPPORT

Our area sales managers and sales technicians are able to assist you with your specification needs. Whether advice is needed for a single lintel, or a comprehensive take off and pricing schedule for a multi dwelling development, our team is here to help.

This brochure and website outline our ranges to assist your selection.

In addition, our unique ability to manufacture a range of structural building components offers the specifier and the buyer a complete solution for structural flooring (both beam and hollowcore), steel and concrete lintels and structural precast products, including padstones, staircases and landings.

Our flexible design and manufacturing facilities enable your "special" lintel requirements to be produced quickly and efficiently.

OUR PRODUCTS

Our comprehensive range of standard steel and concrete lintels offers design capability for all circumstances, designed to the relevant BS EN standards and with the assurance of BS EN ISO 9001:2015 management standard.

The cavity lintel range is supplied with captive insulation to ensure that it is not displaced. The fabricated ranges are manufactured with a proven non-welded method creating a secure connection that has not compromised the galvanised protection.

Our ranges of prestressed concrete lintels are manufactured using machinery and processes designed by our own engineers. This has enabled the maximum strength to section available, whilst producing high volumes of consistent quality products.

DELIVERY

All our products are delivered on flat bed articulated or rigid lorries, with the option of either self offload or crane offload. Depending on the customer's requirements both steel and concrete lintels are packaged in stock packs or in consignment loads (with the option of house plots and locations marked on the product).

As we are located centrally we are able to supply all our standard products nationally, with delivery typically three to eight working days.

OUR PROMISE

Stressline understand the day-to-day challenges you face on a building site and the importance of working with a supplier you can trust. Our promise is simple – to deliver competitively priced products, on time, to the required specification.

ACCREDITATIONS

Stressline has an on-going commitment to improving both product and management systems;

- BS EN ISO 9001:2015

ENVIRONMENTAL AND SUSTAINABILITY

We recognise our responsibilities to the environment. We are committed to developing, implementing and reviewing our management and operational policies and procedures to minimise our environmental impact. Our integrated management system includes all our compliance policies and achievement targets.

From our ongoing environmental and sustainability commitments we have continued to achieve significant reductions in our impact as manufacturers and distributors. One major environmental benefit shared with our existing customers is the ability to source our complete range of products and for them to be delivered as a mixed load on one vehicle, instead of separate deliveries which creates wasteful and unnecessary movements.



Compliance with European Harmonised Standards and Constructions Product Regulation.



Manufactured to British Standards and under the latest quality management standards.



RIBA approved CPD.

CAVITY WALL STANDARD LEAF



APPLICATION

Standard and Heavy Duty (HD and HDX)

Designed to support:

- Masonry loads
- Masonry loads and uniformly distributed timber floor loads
- Uniformly distributed roof loads (in most cases HD lintel type is required)

Extra Heavy Duty (XHD) and Composite Extra Heavy Duty (CXHD)

Designed to support:

- 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 66.

Additional installation requirements for Composite Extra Heavy Duty (CXHD) lintels

- Ensure that the inner leaf channel is filled with well cured masonry before work proceeds over. Masonry needs to be built tightly against the vertical section of the channel and a mortar joint added to the top of masonry, so that the loads from units above are spread evenly over the inner flange of the lintel.
- Composite lintels should be adequately propped during construction, at maximum 1.2 metre centres. Props should not be removed until the mortar has cured.

ADVANTAGES

- Easy to install and suitable for a variety of applications
- Galvanised coating ensures durability/longevity
- Built-in plaster key: perforated base plate to inner flange
- Excellent thermal efficiency
- Built-in continuous insulation
- Can be manufactured with wide and short leaf detail.

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

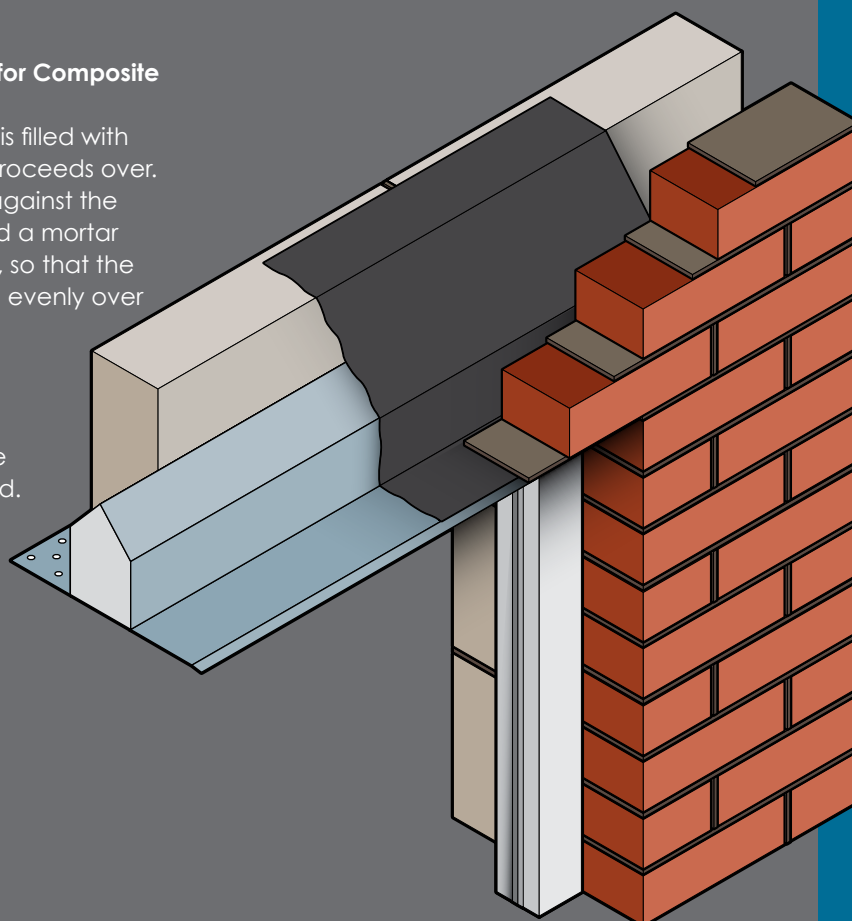
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



If in doubt please contact our
technical department on

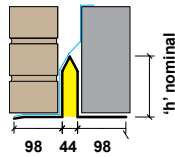
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STANDARD LEAF

SL50

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf

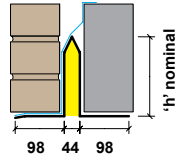


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	4050	4350
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	95	113	134	140	153	190	190	225	225
Weights (kg/m)	6.2	6.8	7.5	7.7	8.1	9.3	13.8	15.0	17.4
SWL 1:1/3:1 (kN)	16	17	22	23	24	28	28	28	28
SWL 19:1 (kN)	12	13	17	18	19	22	22	22	22
RM (kNm)	2.2	2.9	4.5	5.6	6.8	10.0	13.3	15.5	16.2

SL50 HD

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf

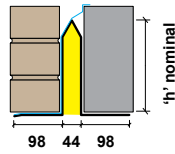


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2250	2850	3300	3750	4050	
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	140	153	190	190	225	225	225	225	
Weights (kg/m)	7.7	8.1	9.3	13.8	15.0	15.0	15.0	17.4	
SWL 1:1/3:1 (kN)	42	40	41	41	41	35	33	33	
SWL 19:1 (kN)	33	31	32	32	32	27	26	26	
RM (kNm)	5.6	6.8	10.0	13.3	15.5	15.5	15.5	16.2	

SL50 HDX

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf

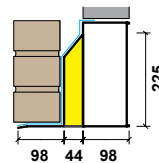


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400				
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	8.1	9.1	13.8	15.0	17.4				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	6.8	9.0	13.3	15.5	16.2				

SL50 XHD 225

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf

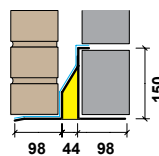


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050				
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	2100	2700	3300	3900	4200				
Weights (kg/m)	26.1	26.1	26.1	26.1	26.1				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL50 CXHD 150

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf



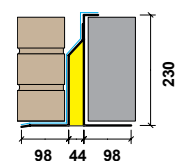
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550					
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1800	2100	2400	2700					
Weights (kg/m)	15.3	15.3	15.3	15.3					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 5.

SL50 CXHD 225

100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf



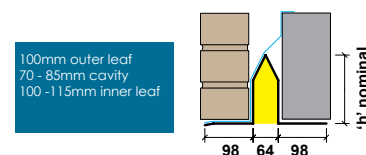
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950			
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1800	3000	3900	4500	4800	5100			
Weights (kg/m)	236	236	236	236	236	236			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 5.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	225	225
Weights (kg/m)	6.4	7.0	7.7	7.9	8.3	9.5	14.2	15.4	18.3
SWL 1:1/3:1 (kN)	16	17	22	23	24	28	28	28	28
SWL 19:1 (kN)	12	13	17	18	19	22	22	22	22
RM (kNm)	2.2	2.9	4.5	5.6	6.8	10.0	13.3	15.5	16.2

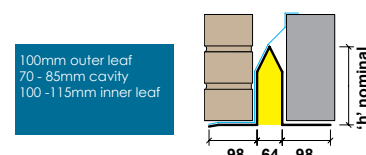
SL70



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2100	2250 2700	2850 3150	3300 3600	3750 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	190	225	225	225	225	
Weights (kg/m)	7.9	8.3	9.5	14.2	15.4	15.4	15.4	18.3	
SWL 1:1/3:1 (kN)	42	40	41	41	41	35	33	33	
SWL 19:1 (kN)	33	31	32	32	32	27	26	26	
RM (kNm)	5.6	6.8	10.0	13.3	15.5	15.5	15.5	16.2	

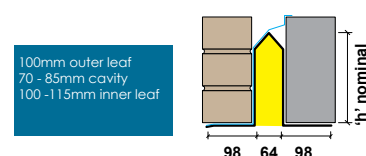
SL70 HD



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700				
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	8.3	9.3	14.2	15.4	18.3				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	6.8	9.0	13.3	15.5	16.2				

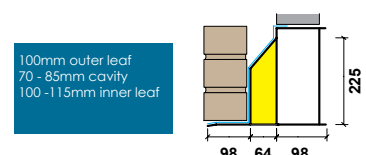
SL70 HDX



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200				
Nominal Height "h" (mm)	225	225	225	225	225				
Weights (kg/m)	27.0	27.0	27.0	27.0	27.0				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL70 XHD 225

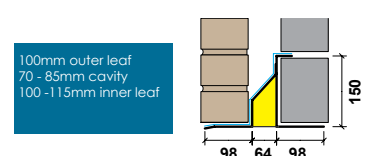


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700					
Nominal Height "h" (mm)	156	156	156	156					
Weights (kg/m)	16.1	16.1	16.1	16.1					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 5.

SL70 CXHD 150

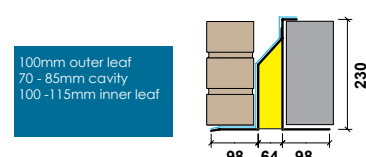


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100			
Nominal Height "h" (mm)	236	236	236	236	236	236			
Weights (kg/m)	19.8	19.8	19.8	19.8	19.8	19.8			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 5.

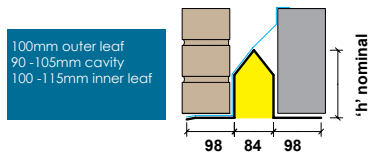
SL70 CXHD 225



Suitable to support precast concrete floors, attic trusses, and point loads.

CAVITY 70

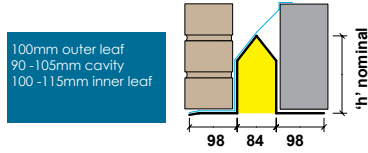
SL90



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	4050	4350
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1200	1500	1800	2100	2400	3000	3900	4200	4800
Weights (kg/m)	95	113	134	140	153	190	190	225	225
SWL 1:1/3:1 (kN)	6.5	7.0	7.7	7.9	8.3	9.5	14.0	15.7	19.1
SWL 19:1 (kN)	16	17	22	23	24	28	28	28	28
RM (kNm)	12	13	17	18	19	22	22	22	22
	2.2	2.9	4.5	5.6	6.8	10.0	13.3	15.5	16.2

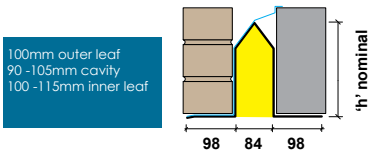
SL90 HD



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2250	2850	3300	3750	4050	
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1200	1500	2100	2700	3150	3600	3900	4200	
Weights (kg/m)	140	153	190	190	225	225	225	225	
SWL 1:1/3:1 (kN)	7.9	8.3	9.5	14.0	15.7	15.7	15.7	19.1	
SWL 19:1 (kN)	42	40	41	41	41	35	33	33	
RM (kNm)	33	31	32	32	32	27	26	26	
	5.6	6.8	10.0	13.3	15.5	15.5	15.5	16.2	

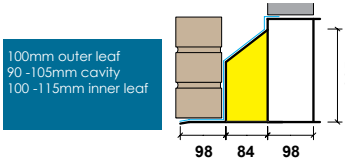
SL90 HDX



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400				
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1200	1500	1800	2250	2700				
Weights (kg/m)	153	185	190	225	225				
SWL 1:1/3:1 (kN)	8.3	9.3	14.0	15.7	19.1				
SWL 19:1 (kN)	51	53	64	59	50				
RM (kNm)	40	41	50	46	39				
	6.8	9.0	13.3	15.5	16.2				

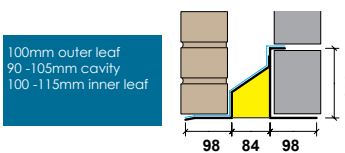
SL90 XHD 225



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050				
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	2100	2700	3300	3900	4200				
Weights (kg/m)	225	225	225	225	225				
SWL 5:1 (kN)	27.8	27.8	27.8	27.8	27.8				
SWL 19:1 (kN)	79	60	49	41	40				
RM (kNm)	66	51	41	34	33				
	20.6	20.6	20.6	20.6	20.6				

SL90 CXHD 150

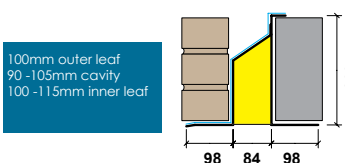


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550					
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1800	2100	2400	2700					
Weights (kg/m)	156	156	156	156					
SWL 5:1 (kN)	17.0	17.0	17.0	17.0					
SWL 19:1 (kN)	72	62	53	41					
RM (kNm)	61	52	45	34					
	12.6	12.6	12.6	12.6					

See additional installation requirements on page 5.

SL90 CXHD 225



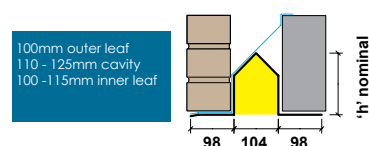
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950			
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1800	3000	3900	4500	4800	5100			
Weights (kg/m)	236	236	236	236	236	236			
SWL 5:1 (kN)	20.7	20.7	20.7	20.7	20.7	20.7			
SWL 19:1 (kN)	89	71	55	42	37	32			
RM (kNm)	75	60	46	40	35	30			
	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 5.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	225	225
Weights (kg/m)	6.9	7.5	8.1	8.3	8.7	9.9	14.8	16.0	19.8
SWL 1:1/3:1 (kN)	16	17	22	23	24	28	28	28	28
SWL 19:1 (kN)	12	13	17	18	19	22	22	22	22
RM (kNm)	2.2	2.9	4.5	5.6	6.8	10.0	13.3	15.5	16.2

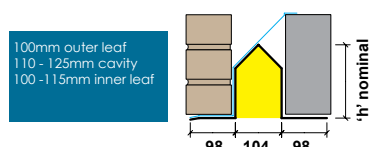
SL110



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2100	2250 2700	2850 3150	3300 3600	3750 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	190	225	225	225	225	
Weights (kg/m)	8.3	8.7	9.9	14.8	16.0	16.0	16.0	19.8	
SWL 1:1/3:1 (kN)	42	40	41	41	41	35	33	33	
SWL 19:1 (kN)	33	31	32	32	32	27	26	26	
RM (kNm)	5.6	6.8	10.0	13.3	15.5	15.5	15.5	16.2	

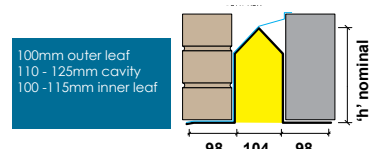
SL110 HD



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700				
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	8.7	9.8	14.8	16.0	19.8				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	6.8	9.0	13.3	15.5	16.2				

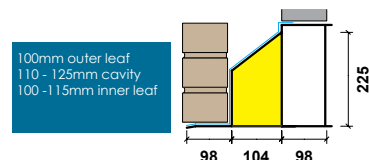
SL110 HDX



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200				
Nominal Height "h" (mm)	225	225	225	225	225				
Weights (kg/m)	28.7	28.7	28.7	28.7	28.7				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL110 XHD 225

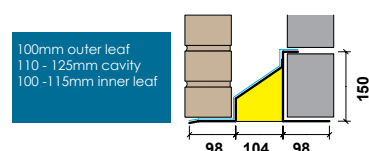


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700					
Nominal Height "h" (mm)	156	156	156	156					
Weights (kg/m)	17.9	17.9	17.9	17.9					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 5.

SL110 CXHD 150

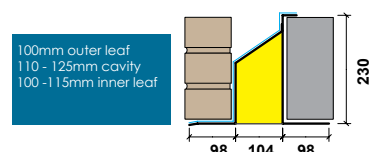


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100			
Nominal Height "h" (mm)	236	236	236	236	236	236			
Weights (kg/m)	21.6	21.6	21.6	21.6	21.6	21.6			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 5.

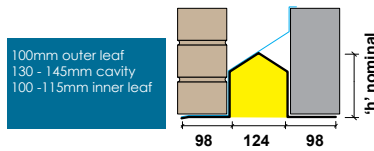
SL110 CXHD 225



Suitable to support precast concrete floors, attic trusses, and point loads.

CAVITY 110

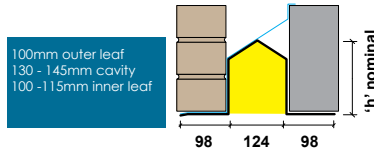
SL130



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	4050	4350
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1200	1500	1800	2100	2400	3000	3900	4200	4800
Weights (kg/m)	95	113	134	140	153	190	190	225	225
SWL 1:1/3:1 (kN)	7.1	7.7	8.3	8.5	8.9	10.1	15.1	16.3	20.6
SWL 19:1 (kN)	16	17	22	23	24	28	28	28	28
SWL 19:1 (kN)	12	13	17	18	19	22	22	22	22
RM (kNm)	2.2	2.9	4.5	5.6	6.8	10.0	13.3	15.5	16.2

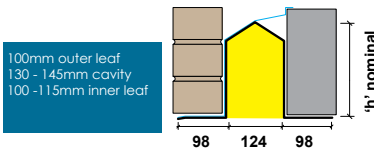
SL130 HD



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2250	2850	3300	3750	4050	
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1200	1500	2100	2700	3150	3600	3900	4200	
Weights (kg/m)	140	153	190	190	225	225	225	225	
Weights (kg/m)	8.5	8.9	10.1	15.1	16.3	16.3	16.3	20.6	
SWL 1:1/3:1 (kN)	42	40	41	41	41	35	33	33	
SWL 19:1 (kN)	33	31	32	32	32	27	26	26	
RM (kNm)	5.6	6.8	10.0	13.3	15.5	15.5	15.5	16.2	

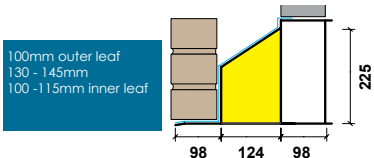
SL130 HDX



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400				
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1200	1500	1800	2250	2700				
Weights (kg/m)	153	185	190	225	225				
Weights (kg/m)	8.9	10.0	15.1	16.3	20.6				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	6.8	9.0	13.3	15.5	16.2				

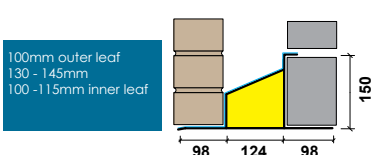
SL130 XHD 225



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050				
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	2100	2700	3300	3900	4200				
Weights (kg/m)	225	225	225	225	225				
Weights (kg/m)	29.6	29.6	29.6	29.6	29.6				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL130 CXHD 150



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550					
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1800	2100	2400	2700					
Weights (kg/m)	156	156	156	156					
Weights (kg/m)	18.8	18.8	18.8	18.8					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 5.

SL130 CXHD 225



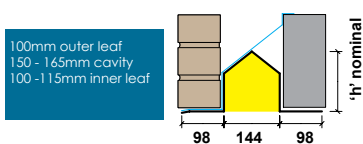
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950			
Lintels are available in increments of 150mm									
Nominal Height "h" (mm)	1800	3000	3900	4500	4800	5100			
Weights (kg/m)	236	236	236	236	236	236			
Weights (kg/m)	22.5	22.5	22.5	22.5	22.5	22.5			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 5.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	225	225
Weights (kg/m)	7.3	7.9	8.5	8.7	9.1	10.3	15.4	16.6	21.3
SWL 1:1/3:1 (kN)	16	17	22	23	24	28	28	28	28
SWL 19:1 (kN)	12	13	17	18	19	22	22	22	22
RM (kNm)	2.2	2.9	4.5	5.6	6.8	10.0	13.3	15.5	16.2

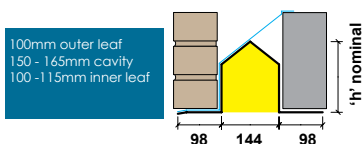
SL150



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2100	2250 2700	2850 3150	3300 3600	3750 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	190	225	225	225	225	
Weights (kg/m)	8.7	9.1	10.3	15.4	16.6	16.6	16.6	21.3	
SWL 1:1/3:1 (kN)	42	40	41	41	41	35	33	33	
SWL 19:1 (kN)	33	31	32	32	32	27	26	26	
RM (kNm)	5.6	6.8	10.0	13.3	15.5	15.5	15.5	16.2	

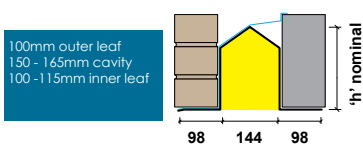
SL150 HD



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700				
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	9.1	10.1	15.4	16.6	21.3				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	6.8	9.0	13.3	15.5	16.2				

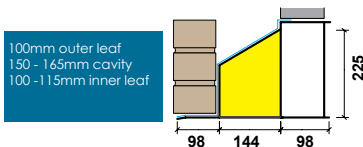
SL150 HDX



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200				
Nominal Height "h" (mm)	225	225	225	225	225				
Weights (kg/m)	30.5	30.5	30.5	30.5	30.5				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL150 XHD 225

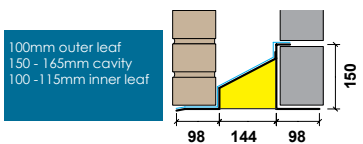


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700					
Nominal Height "h" (mm)	156	156	156	156					
Weights (kg/m)	19.7	19.7	19.7	19.7					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 5.

SL150 CXHD 150

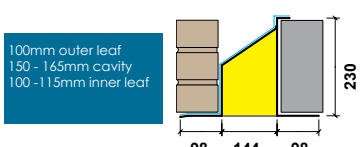


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100			
Nominal Height "h" (mm)	236	236	236	236	236	236			
Weights (kg/m)	23.4	23.4	23.4	23.4	23.4	23.4			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 5.

SL150 CXHD 225



Suitable to support precast concrete floors, attic trusses, and point loads.

CAVITY 150



CAVITY WALL WIDE INNER LEAF (WIL)



APPLICATION

These lintels are suitable to support a 125-150mm inner leaf of blockwork.

Standard (WIL) and Heavy Duty (HD WIL & HDX WIL)

Designed to support:

- Masonry loads
- Masonry loads and uniformly distributed timber floor loads
- Uniformly distributed roof loads (in most cases HD lintel type is required)

Extra Heavy Duty (XHD WIL) and Composite Extra Heavy Duty (CXHD WIL)

Designed to support:

- 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 66.

Additional installation requirements for Composite Extra Heavy Duty (CXHD WIL)

- Ensure that the inner leaf channel is filled with well cured masonry before work proceeds over. Masonry needs to be built tightly against the vertical section of the channel and a mortar joint added to the top of masonry, so that the loads from units above are spread evenly over the inner flange of the lintel.
- Composite lintels should be adequately propped during construction, at maximum 1.2 metre centres. Props should not be removed until the mortar has cured.

ADVANTAGES:

- Easy to install and suitable for a variety of applications
- Galvanised coating ensures durability/longevity
- Built-in plaster key – perforated base plate to inner flange
- Excellent thermal efficiency
- Built-in continuous insulation
- Can be manufactured with a short/reduced outer toe (SOL) to suit a cant brick detail or feature stone head.

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

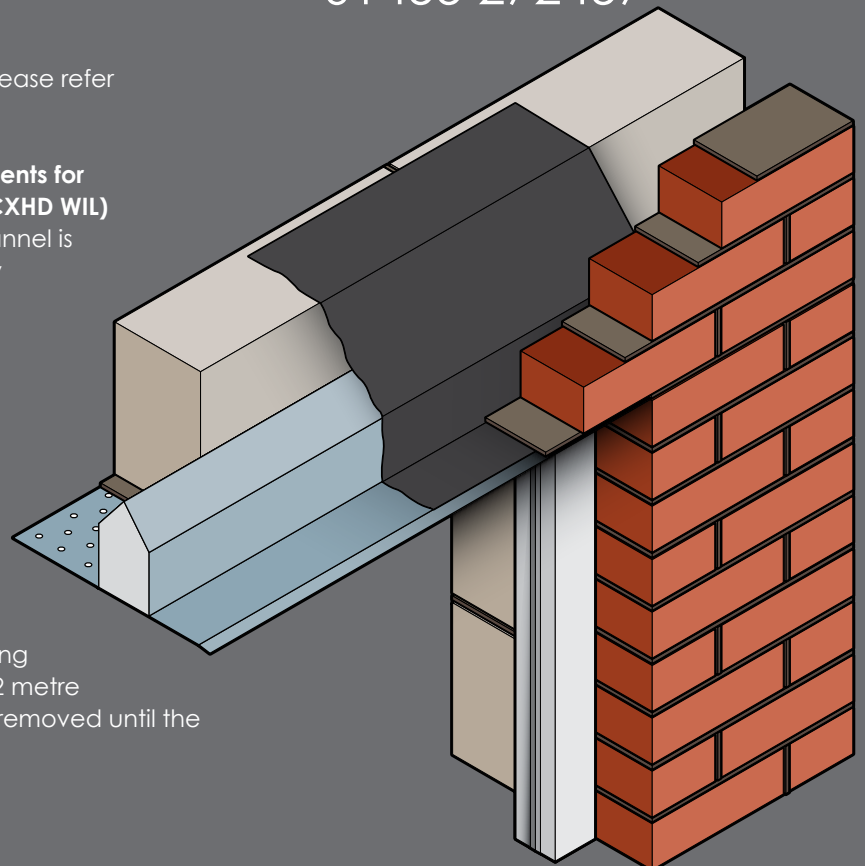
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



If in doubt please contact our technical department on

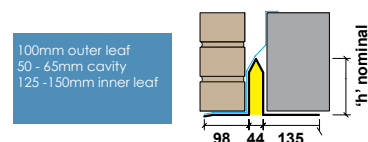
01455 272457



WIDE INNER LEAF (WIL)

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.2	11.1	12.1	12.3	13.0	14.7	14.7	14.7	15.9	18.3
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

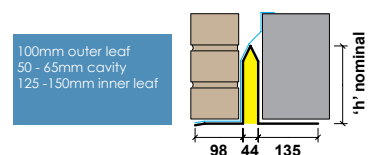
SL50 WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2700	2850 3900	4050 4200					
Nominal Height "h" (mm)	140	153	190	225	225					
Weights (kg/m)	12.3	13.0	14.7	15.9	18.3					
SWL 1:1/3:1 (kN)	58	52	41	33	33					
SWL 19:1 (kN)	46	41	32	26	26					
RM (kNm)	7.7	8.8	13.3	15.5	16.2					

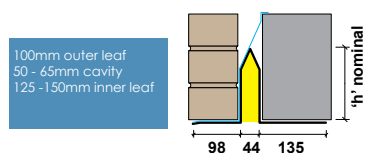
SL50 HD WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700					
Nominal Height "h" (mm)	153	185	190	225	225					
Weights (kg/m)	13.0	14.5	14.7	15.9	18.3					
SWL 1:1/3:1 (kN)	51	53	64	59	50					
SWL 19:1 (kN)	40	41	50	46	39					
RM (kNm)	8.8	9.9	13.3	15.5	16.2					

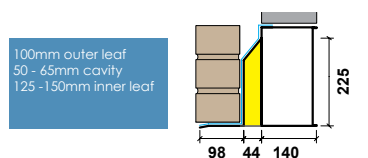
SL50 HDX WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200					
Nominal Height "h" (mm)	225	225	225	225	225					
Weights (kg/m)	28.2	28.2	28.2	28.2	28.2					
SWL 5:1 (kN)	79	60	49	41	40					
SWL 19:1 (kN)	66	51	41	34	33					
RM (kNm)	20.6	20.6	20.6	20.6	20.6					

SL50 XHD 225 WIL

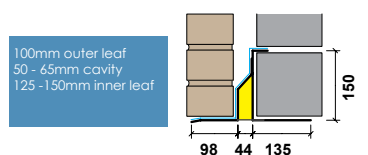


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700						
Nominal Height "h" (mm)	156	156	156	156						
Weights (kg/m)	16.3	16.3	16.3	16.3						
SWL 5:1 (kN)	72	62	53	41						
SWL 19:1 (kN)	61	52	45	34						
RM (kNm)	12.6	12.6	12.6	12.6						

See additional installation requirements on page 12.

SL50 CXHD 150 WIL

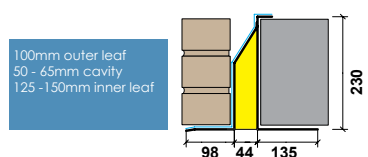


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100				
Nominal Height "h" (mm)	236	236	236	236	236	236				
Weights (kg/m)	20.1	20.1	20.1	20.1	20.1	20.1				
SWL 5:1 (kN)	89	71	55	42	37	32				
SWL 19:1 (kN)	75	60	46	40	35	30				
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5				

See additional installation requirements on page 12.

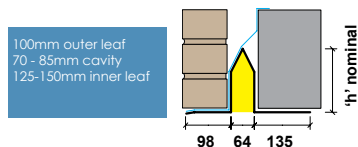
SL50 CXHD 225 WIL



Suitable to support precast concrete floors, attic trusses, and point loads.

CAVITY 50 WIL

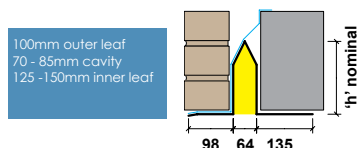
SL70 WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm	1200	1500	1800	2100	2400	3000	3600	3900	4200	4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.5	11.4	12.4	12.7	13.3	15.0	15.0	15.0	16.2	19.1
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

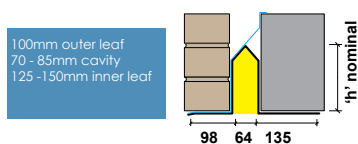
SL70 HD WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2850	4050				
Lintels are available in increments of 150mm	1200	1500	2700	3900	4200				
Nominal Height "h" (mm)	140	153	190	225	225				
Weights (kg/m)	12.7	13.3	15.0	16.2	19.1				
SWL 1:1/3:1 (kN)	58	52	41	33	33				
SWL 19:1 (kN)	46	41	32	26	26				
RM (kNm)	7.7	8.8	13.3	15.5	16.2				

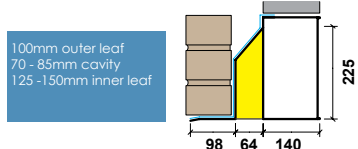
SL70 HDX WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400				
Lintels are available in increments of 150mm	1200	1500	1800	2250	2700				
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	13.3	14.8	15.0	16.2	19.1				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	8.8	9.9	13.3	15.5	16.2				

SL70 XHD 225 WIL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050				
Lintels are available in increments of 150mm	2100	2700	3300	3900	4200				
Nominal Height "h" (mm)	225	225	225	225	225				
Weights (kg/m)	29.1	29.1	29.1	29.1	29.1				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL70 CXHD 150 WIL

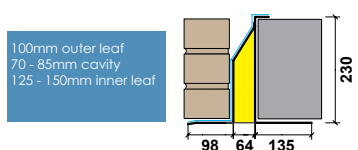


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550					
Lintels are available in increments of 150mm	1800	2100	2400	2700					
Nominal Height "h" (mm)	156	156	156	156					
Weights (kg/m)	17.2	17.2	17.2	17.2					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 12.

SL70 CXHD 225 WIL



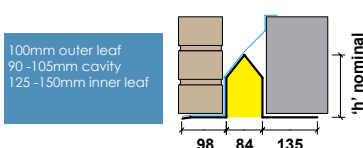
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950			
Lintels are available in increments of 150mm	1800	3000	3900	4500	4800	5100			
Nominal Height "h" (mm)	236	236	236	236	236	236			
Weights (kg/m)	20.9	20.9	20.9	20.9	20.9	20.9			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 12.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.4	11.3	12.3	12.5	13.2	14.9	14.9	14.9	16.6	19.9
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

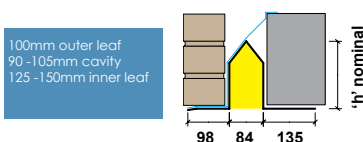
SL90 WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2700	2850 3900	4050 4200					
Nominal Height "h" (mm)	140	153	190	225	225					
Weights (kg/m)	12.5	13.2	14.9	16.6	19.9					
SWL 1:1/3:1 (kN)	58	52	41	33	33					
SWL 19:1 (kN)	46	41	32	26	26					
RM (kNm)	7.7	8.8	13.3	15.5	16.2					

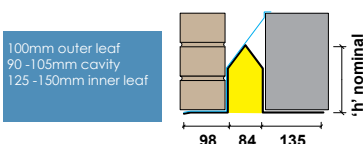
SL90 HD WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700					
Nominal Height "h" (mm)	153	185	190	225	225					
Weights (kg/m)	13.2	14.7	14.9	16.6	19.9					
SWL 1:1/3:1 (kN)	51	53	64	59	50					
SWL 19:1 (kN)	40	41	50	46	39					
RM (kNm)	8.8	9.9	13.3	15.5	16.2					

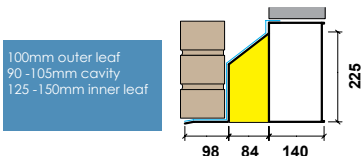
SL90 HDX WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200					
Nominal Height "h" (mm)	225	225	225	225	225					
Weights (kg/m)	29.9	29.9	29.9	29.9	29.9					
SWL 5:1 (kN)	79	60	49	41	40					
SWL 19:1 (kN)	66	51	41	34	33					
RM (kNm)	20.6	20.6	20.6	20.6	20.6					

SL90 XHD 225 WIL

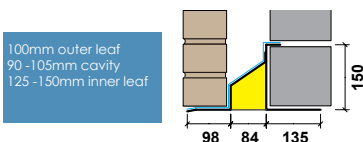


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700						
Nominal Height "h" (mm)	156	156	156	156						
Weights (kg/m)	18.0	18.0	18.0	18.0						
SWL 5:1 (kN)	72	62	53	41						
SWL 19:1 (kN)	61	52	45	34						
RM (kNm)	12.6	12.6	12.6	12.6						

See additional installation requirements on page 12.

SL90 CXHD 150 WIL

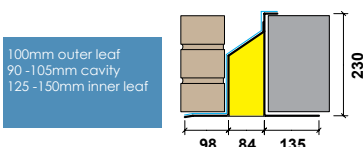


Suitable to support precast concrete floors, attic trusses, and point loads.

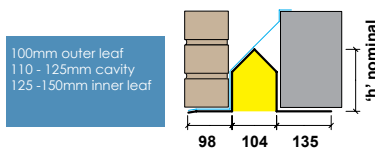
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100				
Nominal Height "h" (mm)	236	236	236	236	236	236				
Weights (kg/m)	21.8	21.8	21.8	21.8	21.8	21.8				
SWL 5:1 (kN)	89	71	55	42	37	32				
SWL 19:1 (kN)	75	60	46	40	35	30				
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5				

See additional installation requirements on page 12.

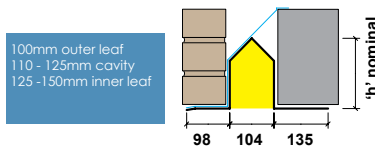
SL90 CXHD 225 WIL



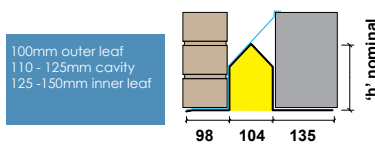
Suitable to support precast concrete floors, attic trusses, and point loads.

SL110 WIL

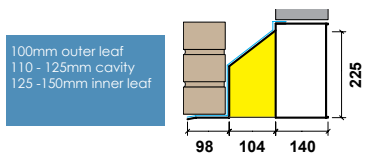
STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm										
Nominal Height "h" (mm)	1200	1500	1800	2100	2400	2700	3000	3600	4200	4800
Weights (kg/m)	95	113	134	140	153	190	190	190	225	225
SWL 1:1/3:1 (kN)	11.2	12.0	13.0	13.3	13.9	15.7	15.7	15.7	16.9	20.7
SWL 19:1 (kN)	26	26	31	31	31	37	30	28	28	28
RM (kNm)	20	20	24	24	24	29	23	22	22	22
	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

SL110 HD WIL

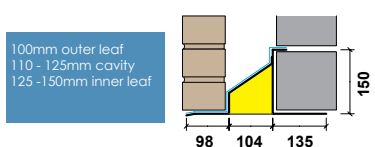
STANDARD LENGTHS (mm)	600	1350	1650	2850	4050				
Lintels are available in increments of 150mm	1200	1500	2700	3900	4200				
Nominal Height "h" (mm)	140	153	190	225	225				
Weights (kg/m)	13.3	13.9	15.7	16.9	20.7				
SWL 1:1/3:1 (kN)	58	52	41	33	33				
SWL 19:1 (kN)	46	41	32	26	26				
RM (kNm)	7.7	8.8	13.3	15.5	16.2				

SL110 HDX WIL

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400				
Lintels are available in increments of 150mm	1200	1500	1800	2250	2700				
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	13.9	15.5	15.7	16.9	20.7				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	8.8	9.9	13.3	15.5	16.2				

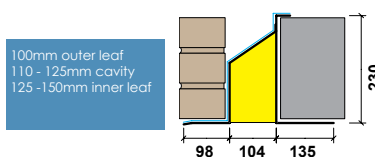
SL110 XHD 225 WIL

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050				
Lintels are available in increments of 150mm	2100	2700	3300	3900	4200				
Nominal Height "h" (mm)	225	225	225	225	225				
Weights (kg/m)	30.8	30.8	30.8	30.8	30.8				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL110 CXHD 150 WIL

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700					
Nominal Height "h" (mm)	156	156	156	156					
Weights (kg/m)	18.9	18.9	18.9	18.9					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 12.

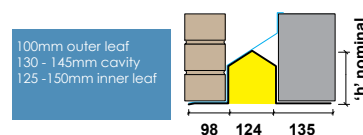
SL110 CXHD 225 WIL

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950			
Lintels are available in increments of 150mm	1800	3000	3900	4500	4800	5100			
Nominal Height "h" (mm)	236	236	236	236	236	236			
Weights (kg/m)	22.7	22.7	22.7	22.7	22.7	22.7			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 12.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	11.5	12.3	13.3	13.6	14.2	16.0	16.0	16.0	17.2	21.5
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

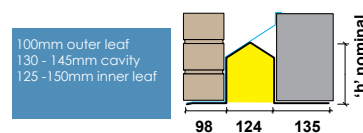
SL130 WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2700	2850 3900	4050 4200					
Nominal Height "h" (mm)	140	153	190	225	225					
Weights (kg/m)	13.6	14.2	16.0	17.2	21.5					
SWL 1:1/3:1 (kN)	58	52	41	33	33					
SWL 19:1 (kN)	46	41	32	26	26					
RM (kNm)	7.7	8.8	13.3	15.5	16.2					

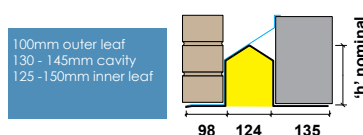
SL130 HD WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700					
Nominal Height "h" (mm)	153	185	190	225	225					
Weights (kg/m)	14.2	15.8	16.0	17.2	21.5					
SWL 1:1/3:1 (kN)	51	53	64	59	50					
SWL 19:1 (kN)	40	41	50	46	39					
RM (kNm)	8.8	9.9	13.3	15.5	16.2					

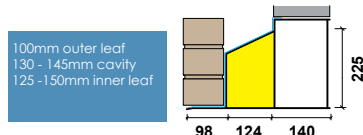
SL130 HDX WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200					
Nominal Height "h" (mm)	225	225	225	225	225					
Weights (kg/m)	31.7	31.7	31.7	31.7	31.7					
SWL 5:1 (kN)	79	60	49	41	40					
SWL 19:1 (kN)	66	51	41	34	33					
RM (kNm)	20.6	20.6	20.6	20.6	20.6					

SL130 XHD 225 WIL

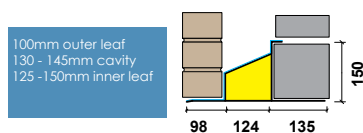


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700						
Nominal Height "h" (mm)	156	156	156	156						
Weights (kg/m)	19.8	19.8	19.8	19.8						
SWL 5:1 (kN)	72	62	53	41						
SWL 19:1 (kN)	61	52	45	34						
RM (kNm)	12.6	12.6	12.6	12.6						

See additional installation requirements on page 12.

SL130 CXHD 150 WIL

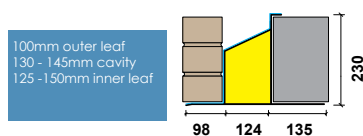


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100				
Nominal Height "h" (mm)	236	236	236	236	236	236				
Weights (kg/m)	23.6	23.6	23.6	23.6	23.6	23.6				
SWL 5:1 (kN)	89	71	55	42	37	32				
SWL 19:1 (kN)	75	60	46	40	35	30				
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5				

See additional installation requirements on page 12.

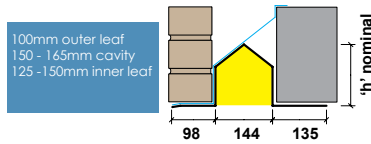
SL130 CXHD 225 WIL



Suitable to support precast concrete floors, attic trusses, and point loads.

CAVITY 130 WIL

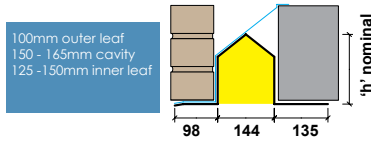
SL150 WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm	1200	1500	1800	2100	2400	3000	3600	3900	4200	4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	11.8	12.6	13.6	13.9	14.5	16.3	16.3	16.3	17.5	22.2
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

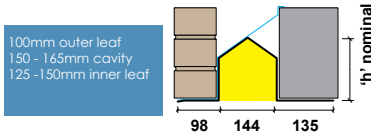
SL150 HD WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2850	4050				
Lintels are available in increments of 150mm	1200	1500	2700	3900	4200				
Nominal Height "h" (mm)	140	153	190	225	225				
Weights (kg/m)	13.9	14.5	16.3	17.5	22.2				
SWL 1:1/3:1 (kN)	58	52	41	33	33				
SWL 19:1 (kN)	46	41	32	26	26				
RM (kNm)	7.7	8.8	13.3	15.5	16.2				

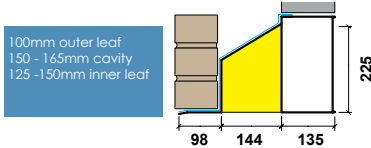
SL150 HDX WIL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400				
Lintels are available in increments of 150mm	1200	1500	1800	2250	2700				
Nominal Height "h" (mm)	153	185	190	225	225				
Weights (kg/m)	14.5	16.0	16.3	17.5	22.2				
SWL 1:1/3:1 (kN)	51	53	64	59	50				
SWL 19:1 (kN)	40	41	50	46	39				
RM (kNm)	8.8	9.9	13.3	15.5	16.2				

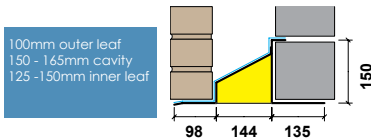
SL150 XHD 225 WIL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050				
Lintels are available in increments of 150mm	2100	2700	3300	3900	4200				
Nominal Height "h" (mm)	225	225	225	225	225				
Weights (kg/m)	32.6	32.6	32.6	32.6	32.6				
SWL 5:1 (kN)	79	60	49	41	40				
SWL 19:1 (kN)	66	51	41	34	33				
RM (kNm)	20.6	20.6	20.6	20.6	20.6				

SL150 CXHD 150 WIL

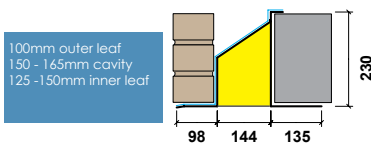


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550					
Lintels are available in increments of 150mm	1800	2100	2400	2700					
Nominal Height "h" (mm)	156	156	156	156					
Weights (kg/m)	20.8	20.8	20.8	20.8					
SWL 5:1 (kN)	72	62	53	41					
SWL 19:1 (kN)	61	52	45	34					
RM (kNm)	12.6	12.6	12.6	12.6					

See additional installation requirements on page 12.

SL150 CXHD 225 WIL

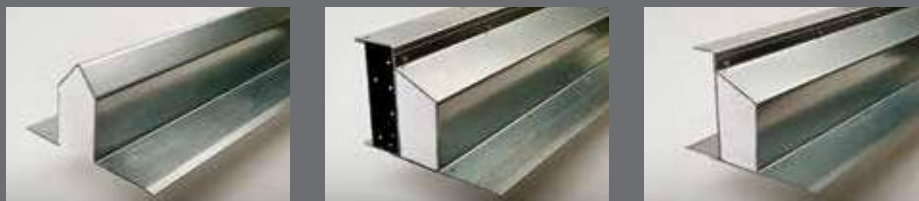


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950			
Lintels are available in increments of 150mm	1800	3000	3900	4500	4800	5100			
Nominal Height "h" (mm)	236	236	236	236	236	236			
Weights (kg/m)	24.5	24.5	24.5	24.5	24.5	24.5			
SWL 5:1 (kN)	89	71	55	42	37	32			
SWL 19:1 (kN)	75	60	46	40	35	30			
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5			

See additional installation requirements on page 12.

CAVITY WALL WIDE OUTER LEAF (WOL)



APPLICATION

These lintels are suitable to support a 125-150mm outer leaf of blockwork or stonework.

Standard (WOL) and Heavy Duty (HD WOL & HDX WIL)

Designed to support:

- Masonry loads
- Masonry loads and uniformly distributed timber floor loads
- Uniformly distributed roof loads (in most cases HD lintel type is required)

Extra Heavy Duty (XHD WOL) and Composite Extra Heavy Duty (CXHD WOL)

Designed to support:

- Concrete floor loads
- Attic truss loads
- Point loads: compound trusses, steel beams, etc

ADVANTAGES

- Easy to install and suitable for a variety of applications
- Galvanised coating ensures durability/longevity
- Built-in plaster key – perforated base plate to inner flange
- Excellent thermal efficiency
- Built-in continuous insulation

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



If in doubt please contact our
technical department on

01455 272457

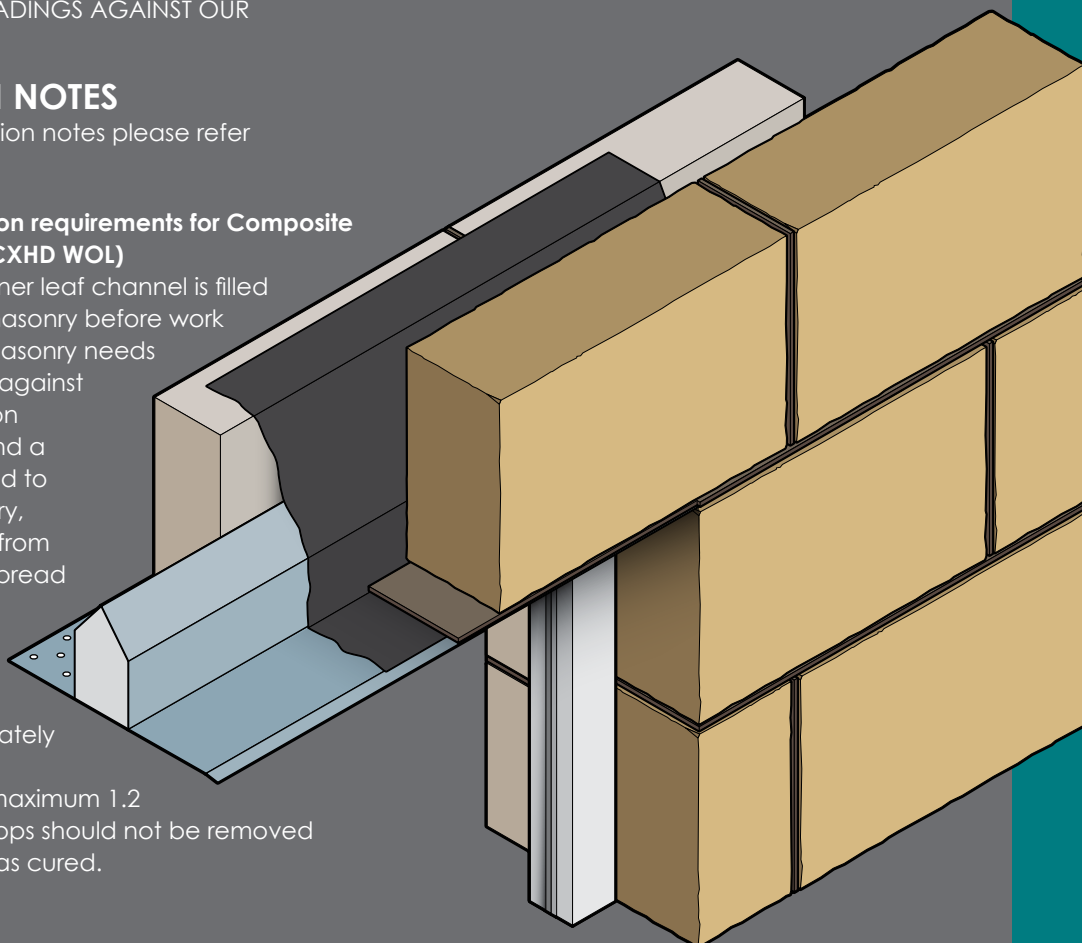
ALWAYS CHECK LOADINGS AGAINST OUR
LOAD-SPAN TABLE

INSTALLATION NOTES

For general installation notes please refer
to page 66.

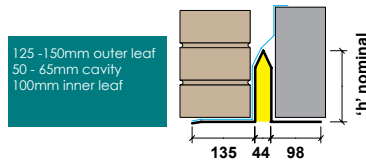
Additional installation requirements for Composite Extra Heavy Duty (CXHD WOL)

- Ensure that the inner leaf channel is filled with well cured masonry before work proceeds over. Masonry needs to be built tightly against the vertical section of the channel and a mortar joint added to the top of masonry, so that the loads from units above are spread evenly over the inner flange of the lintel.
- Composite lintels should be adequately propped during construction, at maximum 1.2 metre centres. Props should not be removed until the mortar has cured.



WIDE OUTER LEAF (WOL)

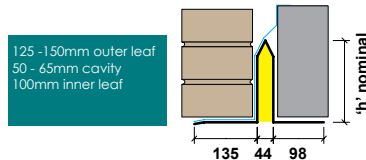
SL50 WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm	1200	1500	1800	2100	2400	3000	3600	3900	4200	4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.2	11.1	12.1	12.3	13.0	14.7	14.7	14.7	15.9	18.3
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

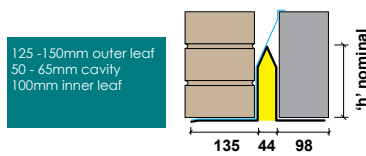
SL50 HD WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2700	3150	3600	4050	
Lintels are available in increments of 150mm	1200	1500	1800	2700	3450	3900	4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	12.3	13.0	14.7	15.9	15.9	15.9	18.3	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

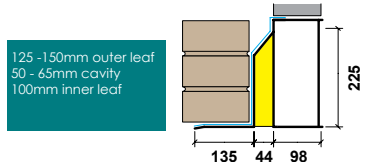
SL50 HDX WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400			
Lintels are available in increments of 150mm	1200	1500	1800	2250	2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	13.0	14.5	14.7	15.9	18.3			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

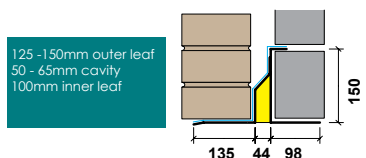
SL50 XHD 225 WOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050			
Lintels are available in increments of 150mm	2100	2700	3300	3900	4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	27.1	27.1	27.1	27.1	27.1			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL50 CXHD 150 WOL

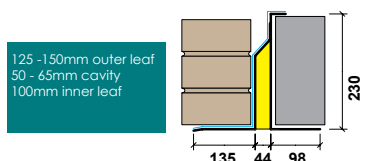


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550				
Lintels are available in increments of 150mm	1800	2100	2400	2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	16.2	16.2	16.2	16.2				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

See additional installation requirements on page 19.

SL50 CXHD 225 WOL



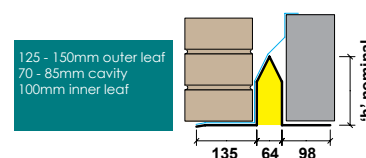
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950		
Lintels are available in increments of 150mm	1800	3000	3900	4500	4800	5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	19.9	19.9	19.9	19.9	19.9	19.9		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

See additional installation requirements on page 19.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.5	11.4	12.4	12.7	13.3	15.0	15.0	15.0	16.2	19.1
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

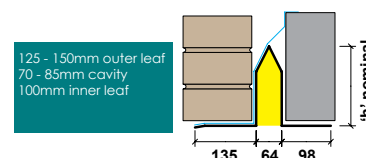
SL70 WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2550	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	12.7	13.3	15.0	16.2	16.2	16.2	19.1	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

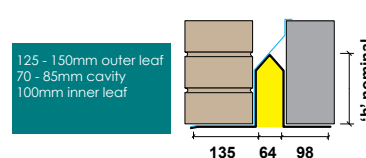
SL70 HD WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	13.3	14.8	15.0	16.2	19.1			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

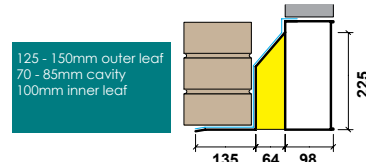
SL70 HDX WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	27.9	27.9	27.9	27.9	27.9			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL70 XHD 225 WOL

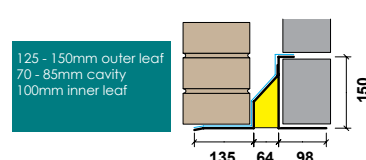


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	17.0	17.0	17.0	17.0				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

See additional installation requirements on page 19.

SL70 CXHD 150 WOL

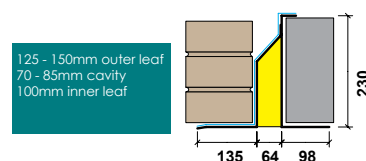


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	20.8	20.8	20.8	20.8	20.8	20.8		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

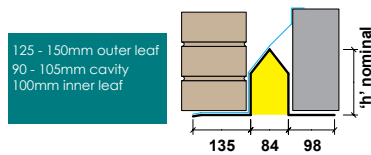
See additional installation requirements on page 19.

SL70 CXHD 225 WOL



Suitable to support precast concrete floors, attic trusses, and point loads.

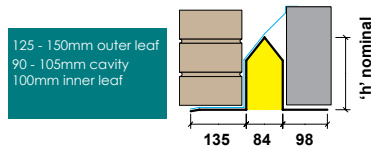
SL90 WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm	1200	1500	1800	2100	2400	3000	3600	3900	4200	4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.4	11.3	12.3	12.5	13.2	14.9	14.9	14.9	16.6	19.9
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

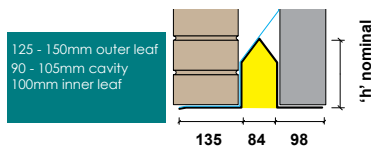
SL90 HD WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2700	3150	3600	4050	
Lintels are available in increments of 150mm	1200	1500	1800	3000	3450	3900	4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	12.5	13.2	14.9	16.6	16.6	16.6	19.9	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

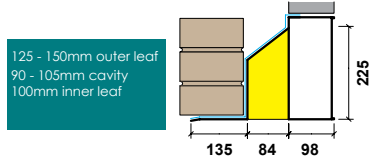
SL90 HDX WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400			
Lintels are available in increments of 150mm	1200	1500	1800	2250	2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	13.2	14.7	14.9	16.6	19.9			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

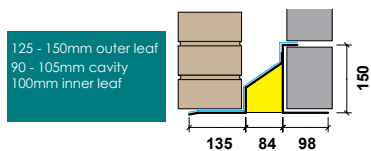
SL90 XHD 225 WOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050			
Lintels are available in increments of 150mm	2100	2700	3300	3900	4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	28.7	28.7	28.7	28.7	28.7			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL90 CXHD 150 WOL

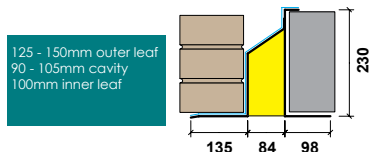


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550				
Lintels are available in increments of 150mm	1800	2100	2400	2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	17.6	17.6	17.6	17.6				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

See additional installation requirements on page 19.

SL90 CXHD 225 WOL



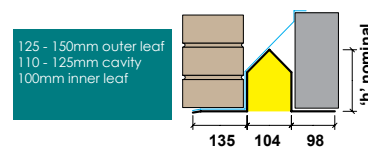
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950		
Lintels are available in increments of 150mm	1800	3000	3900	4500	4800	5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	21.6	21.6	21.6	21.6	21.6	21.6		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

See additional installation requirements on page 19.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	11.2	12.0	13.0	13.3	13.9	15.7	15.7	15.7	16.9	20.7
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

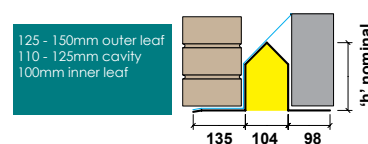
SL110 WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	13.3	13.9	15.7	16.9	16.9	16.9	20.7	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

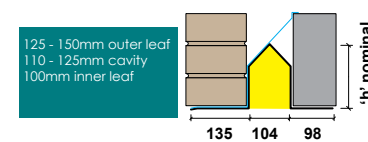
SL110 HD WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	13.9	15.5	15.7	16.9	20.7			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

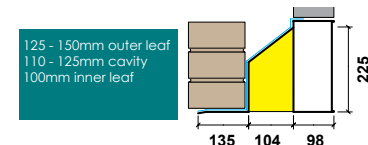
SL110 HDX WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	29.7	29.7	29.7	29.7	29.7			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL110 XHD 225 WOL

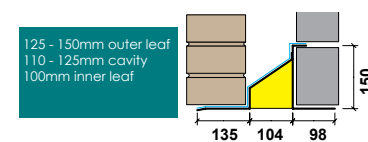


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	18.8	18.8	18.8	18.8				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

See additional installation requirements on page 19.

SL110 CXHD 150 WOL

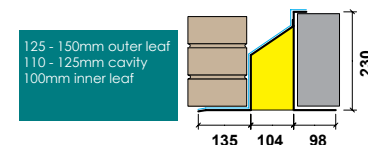


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	22.5	22.5	22.5	22.5	22.5	22.5		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

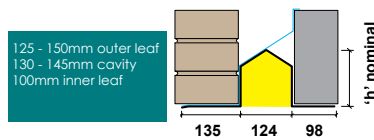
See additional installation requirements on page 19.

SL110 CXHD 225 WOL



Suitable to support precast concrete floors, attic trusses, and point loads.

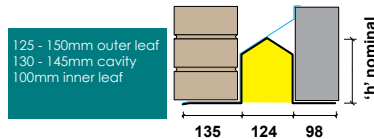
SL130 WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	11.5	12.3	13.3	13.6	14.2	16.0	16.0	16.0	17.2	21.5
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

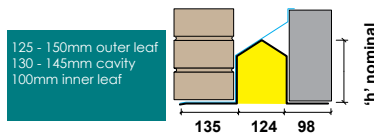
SL130 HD WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	13.6	14.2	16.0	17.2	17.2	17.2	21.5	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

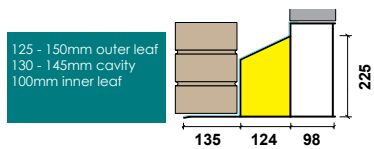
SL130 HDX WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	14.2	15.8	16.0	17.2	21.5			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

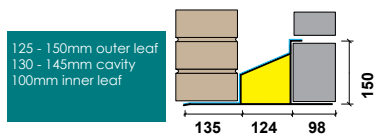
SL130 XHD 225 WOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	30.6	30.6	30.6	30.6	30.6			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL130 CXHD 150 WOL

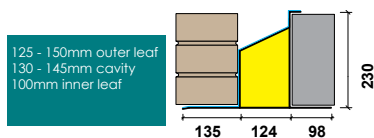


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	19.7	19.7	19.7	19.7				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

See additional installation requirements on page 19.

SL130 CXHD 225 WOL



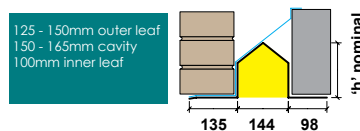
Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	23.4	23.4	23.4	23.4	23.4	23.4		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

See additional installation requirements on page 19.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	11.8	12.6	13.6	13.9	14.5	16.3	16.3	16.3	17.5	22.2
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

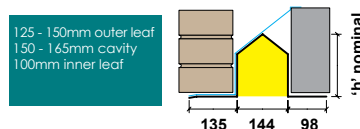
SL150 WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	13.9	14.5	16.3	17.5	17.5	17.5	22.2	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

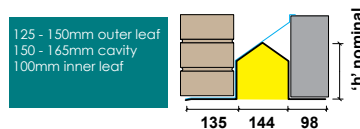
SL150 HD WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	14.5	16.0	16.3	17.5	22.2			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

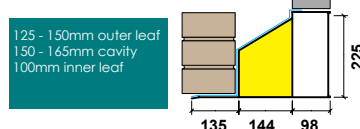
SL150 HDX WOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	31.5	31.5	31.5	31.5	31.5			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL150 XHD 225 WOL

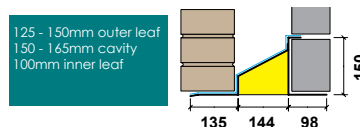


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	20.6	20.6	20.6	20.6				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

See additional installation requirements on page 19.

SL150 CXHD 150 WOL

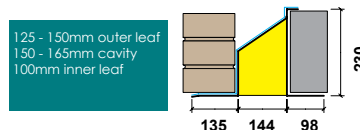


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	24.3	24.3	24.3	24.3	24.3	24.3		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

See additional installation requirements on page 19.

SL150 CXHD 225 WOL



Suitable to support precast concrete floors, attic trusses, and point loads.



CAVITY WALL SHORT OUTER LEAF (SOL)



APPLICATION

These lintels are suitable to support a 75mm outer leaf of cant brick or 100mm wide decorative head detail. Lintels are available in all profiles for a variety of cavity wall constructions from 50mm to 150mm; please ask our sales office for availability and prices for specific applications.

Standard (SOL) and Heavy Duty (HD SOL & HDX SOL)

These lintels are designed to support:

- Masonry loads
- Masonry loads and uniformly distributed timber floor loads
- Uniformly distributed roof loads (in most cases HD lintel type is required)

Extra Heavy Duty (XHD SOL) and Composite Extra Heavy Duty (CXHD SOL)

These lintels are designed to support:

- 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 66.

Additional installation requirements for Composite Extra Heavy Duty (CXHD SOL)

- Ensure that the inner leaf channel is filled with well cured masonry before work proceeds over. Masonry needs to be built tightly against the vertical section of the channel and a mortar joint added to the top of masonry, so that the loads from units above are spread evenly over the inner flange of the lintel.
- Composite lintels should be adequately propped during construction, at maximum 1.2 metre centres. Props should not be removed until the mortar has cured.

ADVANTAGES:

- Easy to install
- Galvanised coating ensures durability/longevity
- Built-in plaster key – perforated base plate to inner flange
- Excellent thermal efficiency
- Built-in continuous insulation

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

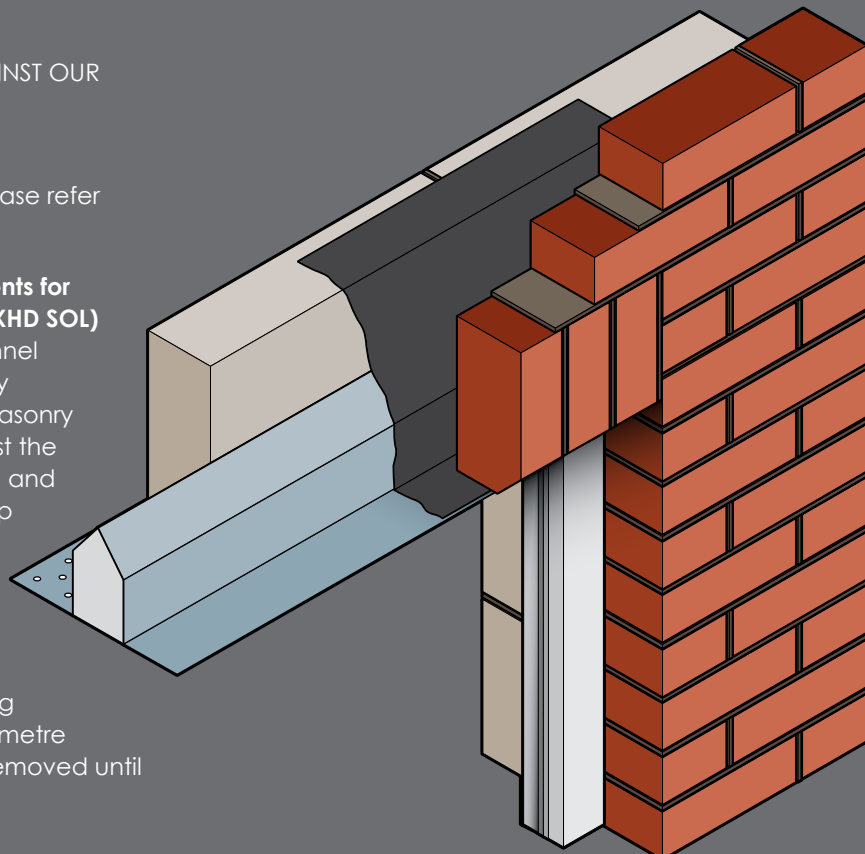
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



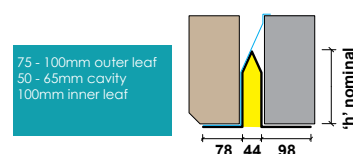
If in doubt please contact our
technical department on

01455 272457



STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	8.7	9.6	10.6	10.9	11.5	13.3	13.3	13.3	14.5	16.9
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

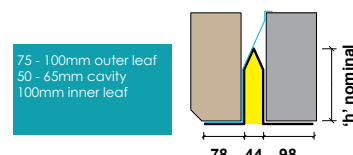
SL50 SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2550	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	10.9	11.5	13.3	14.5	14.5	14.5	16.9	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

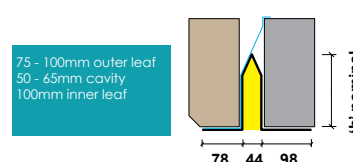
SL50 HD SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	11.5	13.0	13.3	14.5	16.9			
SWL 1:1/3:1 (kN)	67	58	64	59	50			
SWL 19:1 (kN)	52	46	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

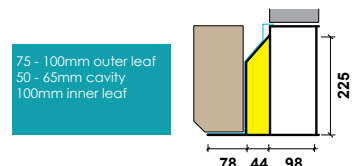
SL50 HDX SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	25.2	25.2	25.2	25.2	25.2			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

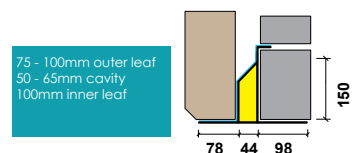
SL50 XHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	14.3	14.3	14.3	14.3				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

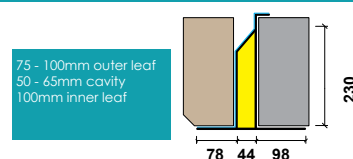
SL50 CXHD 150 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	18.1	18.1	18.1	18.1	18.1	18.1		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

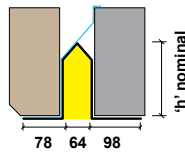
SL50 CXHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

SL70 SOL

75 - 100mm outer leaf
70 - 85mm cavity
100mm inner leaf

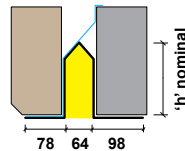


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm										
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.5	11.4	12.4	12.7	13.3	15.0	15.0	15.0	16.2	19.1
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

SL70 HD SOL

75 - 100mm outer leaf
70 - 85mm cavity
100mm inner leaf

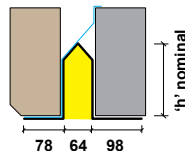


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2700	3150	3600	4050	
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	12.7	13.3	15.0	16.2	16.2	16.2	19.1	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

SL70 HDX SOL

75 - 100mm outer leaf
70 - 85mm cavity
100mm inner leaf

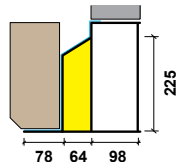


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400			
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	13.3	14.8	15.0	16.2	19.1			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

SL70 XHD 225 SOL

75 - 100mm outer leaf
70 - 85mm cavity
100mm inner leaf

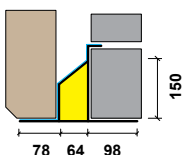


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050			
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	27.9	27.9	27.9	27.9	27.9			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL70 CXHD 150 SOL

75 - 100mm outer leaf
70 - 85mm cavity
100mm inner leaf

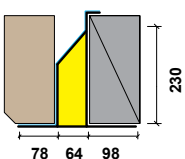


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550				
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	17.0	17.0	17.0	17.0				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

SL70 CXHD 225 SOL

75 - 100mm outer leaf
70 - 85mm cavity
100mm inner leaf

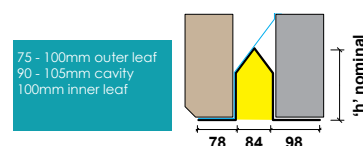


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950		
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	20.8	20.8	20.8	20.8	20.8	20.8		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	9.1	9.9	10.9	11.2	11.8	13.5	13.5	13.5	15.2	18.5
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

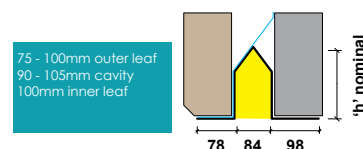
SL90 SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2550	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	11.2	11.8	13.5	15.2	15.2	15.2	18.5	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

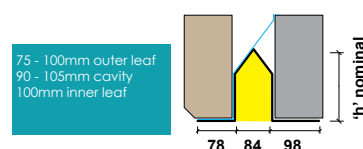
SL90 HD SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	11.8	13.3	13.5	15.2	18.5			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

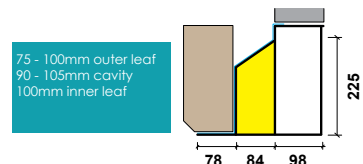
SL90 HDX SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	26.9	26.9	26.9	26.9	26.9			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

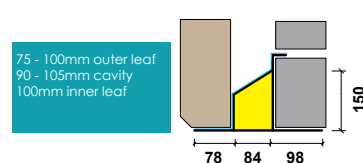
SL90 XHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	16.0	16.0	16.0	16.0				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

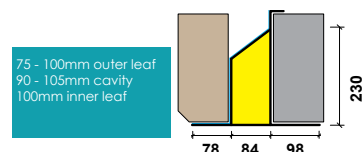
SL90 CXHD 150 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

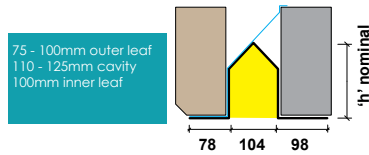
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	19.8	19.8	19.8	19.8	19.8	19.8		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

SL90 CXHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

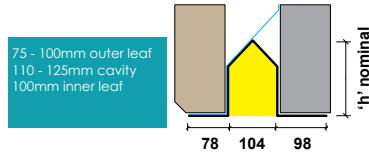
SL110 SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm	1200	1500	1800	2100	2400	3000	3600	3900	4200	4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	9.7	10.6	11.6	11.9	12.5	14.2	14.2	14.2	15.4	19.2
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

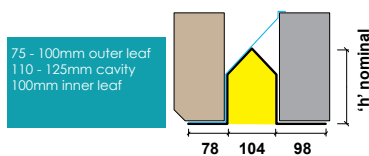
SL110 HD SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2700	3150	3600	4050	
Lintels are available in increments of 150mm	1200	1500	2550	3000	3450	3900	4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	11.9	12.5	14.2	15.4	15.4	15.4	19.2	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

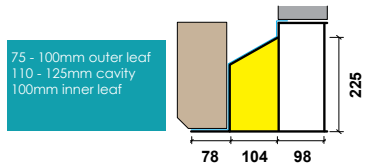
SL110 HDX SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400			
Lintels are available in increments of 150mm	1200	1500	1800	2250	2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	12.5	14.0	14.2	15.4	19.2			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

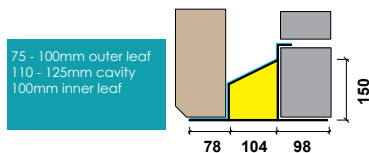
SL110 XHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050			
Lintels are available in increments of 150mm	2100	2700	3300	3900	4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	27.8	27.8	27.8	27.8	27.8			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

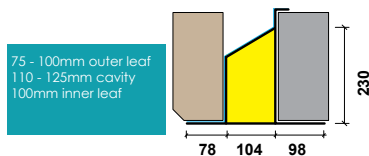
SL110 CXHD 150 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550				
Lintels are available in increments of 150mm	1800	2100	2400	2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	16.9	16.9	16.9	16.9				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

SL110 CXHD 225 SOL

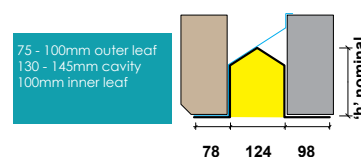


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950		
Lintels are available in increments of 150mm	1800	3000	3900	4500	4800	5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	20.7	20.7	20.7	20.7	20.7	20.7		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2100	2250 2400	2550 3000	3150 3600	3750 3900	4050 4200	4350 4800
Nominal Height "h" (mm)	95	113	134	140	153	190	190	190	225	225
Weights (kg/m)	10.0	10.9	11.9	12.2	12.8	14.5	14.5	14.5	15.7	20.0
SWL 1:1/3:1 (kN)	26	26	31	31	31	37	30	28	28	28
SWL 19:1 (kN)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

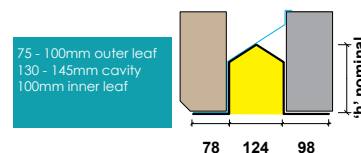
SL130 SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2550	2700 3000	3150 3450	3600 3900	4050 4200	
Nominal Height "h" (mm)	140	153	190	225	225	225	225	
Weights (kg/m)	12.2	12.8	14.5	15.7	15.7	15.7	20.0	
SWL 1:1/3:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

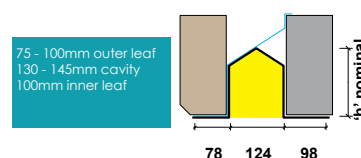
SL130 HD SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 1800	1950 2250	2400 2700			
Nominal Height "h" (mm)	153	185	190	225	225			
Weights (kg/m)	12.8	14.3	14.5	15.7	20.0			
SWL 1:1/3:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

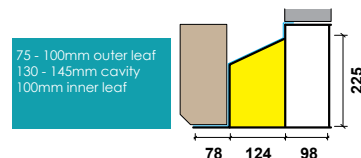
SL130 HDX SOL



Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3300	3450 3900	4050 4200			
Nominal Height "h" (mm)	225	225	225	225	225			
Weights (kg/m)	28.7	28.7	28.7	28.7	28.7			
SWL 5:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

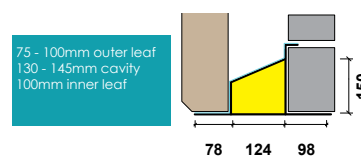
SL130 XHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2100	2250 2400	2550 2700				
Nominal Height "h" (mm)	156	156	156	156				
Weights (kg/m)	17.8	17.8	17.8	17.8				
SWL 5:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

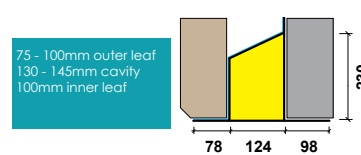
SL130 CXHD 150 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 3000	3150 3900	4050 4500	4650 4800	4950 5100		
Nominal Height "h" (mm)	236	236	236	236	236	236		
Weights (kg/m)	21.6	21.6	21.6	21.6	21.6	21.6		
SWL 5:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

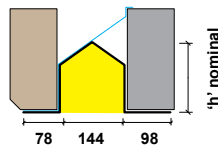
SL130 CXHD 225 SOL



Suitable to support precast concrete floors, attic trusses, and point loads.

SL150 SOL

75 - 100mm outer leaf
150 - 165mm cavity
100mm inner leaf

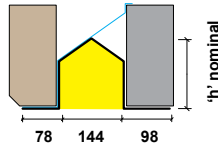


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2250	2550	3150	3750	4050	4350
Lintels are available in increments of 150mm										
Nominal Height "h" (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weights (kg/m)	95	113	134	140	153	190	190	190	225	225
SWL 1:1/3:1 (kN)	10.3	11.2	12.2	12.4	13.1	14.8	14.8	14.8	16.0	20.8
SWL 19:1 (kN)	26	26	31	31	31	37	30	28	28	28
RM (kNm)	20	20	24	24	24	29	23	22	22	22
RM (kNm)	3.5	4.5	6.4	7.7	8.8	13.3	13.3	13.3	15.5	16.2

SL150 HD SOL

75 - 100mm outer leaf
150 - 165mm cavity
100mm inner leaf

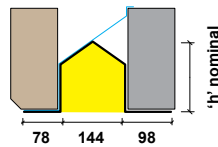


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	2700	3150	3600	4050	
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	1200	1500	2550	3000	3450	3900	4200	
Weights (kg/m)	140	153	190	225	225	225	225	
SWL 1:1/3:1 (kN)	12.4	13.1	14.8	16.0	16.0	16.0	20.8	
SWL 19:1 (kN)	58	52	41	41	35	33	33	
SWL 19:1 (kN)	46	41	32	32	27	26	26	
RM (kNm)	7.7	8.8	13.3	15.5	15.5	15.5	16.2	

SL150 HDX SOL

75 - 100mm outer leaf
150 - 165mm cavity
100mm inner leaf

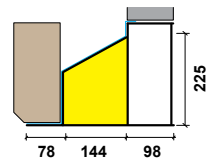


Not suitable to support precast concrete floors, attic trusses, heavy point loads.

STANDARD LENGTHS (mm)	600	1350	1650	1950	2400			
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	1200	1500	1800	2250	2700			
Weights (kg/m)	153	185	190	225	225			
SWL 1:1/3:1 (kN)	13.1	14.6	14.8	16.0	20.8			
SWL 19:1 (kN)	51	53	64	59	50			
SWL 19:1 (kN)	40	41	50	46	39			
RM (kNm)	8.8	9.9	13.3	15.5	16.2			

SL150 XHD 225 SOL

75 - 100mm outer leaf
150 - 165mm cavity
100mm inner leaf

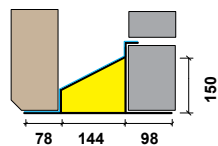


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	2250	2850	3450	4050			
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	2100	2700	3300	3900	4200			
Weights (kg/m)	225	225	225	225	225			
SWL 5:1 (kN)	29.6	29.6	29.6	29.6	29.6			
SWL 19:1 (kN)	79	60	49	41	40			
SWL 19:1 (kN)	66	51	41	34	33			
RM (kNm)	20.6	20.6	20.6	20.6	20.6			

SL150 CXHD 150 SOL

75 - 100mm outer leaf
150 - 165mm cavity
100mm inner leaf

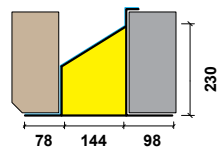


Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	2250	2550				
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	1800	2100	2400	2700				
Weights (kg/m)	156	156	156	156				
SWL 5:1 (kN)	18.8	18.8	18.8	18.8				
SWL 19:1 (kN)	72	62	53	41				
SWL 19:1 (kN)	61	52	45	34				
RM (kNm)	12.6	12.6	12.6	12.6				

SL150 CXHD 225 SOL

75 - 100mm outer leaf
150 - 165mm cavity
100mm inner leaf



Suitable to support precast concrete floors, attic trusses, and point loads.

STANDARD LENGTHS (mm)	600	1950	3150	4050	4650	4950		
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	1800	3000	3900	4500	4800	5100		
Weights (kg/m)	236	236	236	236	236	236		
SWL 5:1 (kN)	22.5	22.5	22.5	22.5	22.5	22.5		
SWL 19:1 (kN)	89	71	55	42	37	32		
SWL 19:1 (kN)	75	60	46	40	35	30		
RM (kNm)	21.5	21.5	21.5	21.5	21.5	21.5		

ROLLED STEEL SECTIONS



APPLICATION

Rolled Steel (RS) and Rolled Steel Channel (RSC) fabricated lintels are designed for extreme loading conditions:

- Masonry 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 66.

Additional installation requirements for RS and RSC type lintels

- Lintels must be laterally restrained and adequately propped during construction at maximum 1.2 metre centres. Props should not be removed until the mortar has cured.
- Minimum of 200mm bearing is required
- RSC type lintels - channel MUST be filled with masonry before the work proceeds over and needs to be built tightly against the vertical section of the channel using good quality, well bonded mortar joints.



If in doubt please contact our technical department on
01455 272457

MATERIAL

Lintels are manufactured using 203x133x30kg/m UB or 230x90x32.2kg/m RSC with a 6mm welded bottom plate to BS EN 10025 – 2: 2004 of steel grade S275.

FINISHING

Lintels are coated as standard in a red-oxide paint. However, they can be supplied, at extra cost, with a galvanised finish.

ADVANTAGES

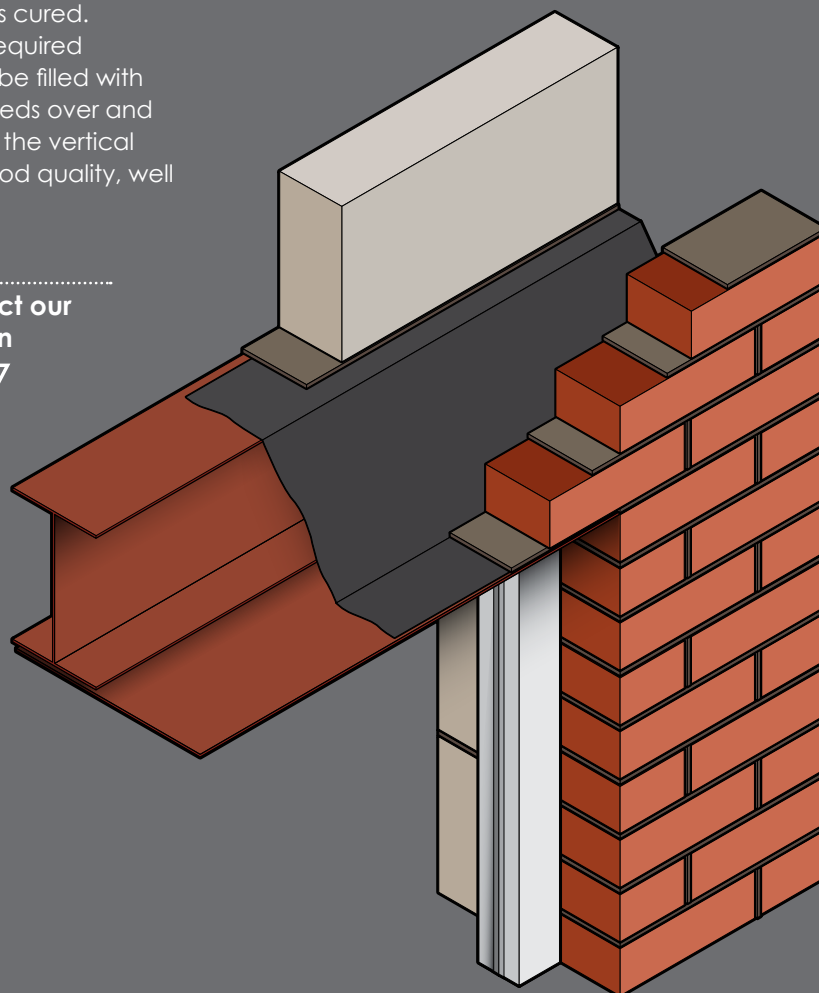
- Available in 50mm increments with a maximum length of 6600mm
- Can suit a variety of cavity wall constructions

ABBREVIATIONS

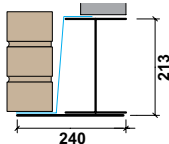
UDL – Uniform Distributed Load (Serviceable)

RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



SL50/RS

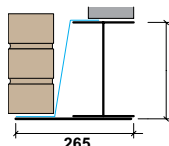


100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	213	213	213	213	213	213	213
Weights (kg/m)	41.3	41.3	41.3	41.3	41.3	41.3	41.3
SWL 5:1/19:1 (kN)	82	77	72	67	64	60	58
RM (kNm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0

See additional installation requirements on page 33.

SL70/RS

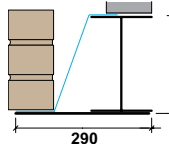


100mm outer leaf
70 - 85mm cavity
100 - 115mm inner leaf

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	213	213	213	213	213	213	213
Weights (kg/m)	42.2	42.2	42.2	42.2	42.2	42.2	42.2
SWL 5:1/19:1 (kN)	82	77	72	67	64	60	58
RM (kNm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0

See additional installation requirements on page 33.

SL90/RS

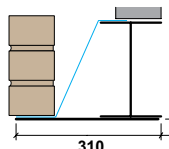


100mm outer leaf
90 - 100mm cavity
100 - 115mm inner leaf

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	213	213	213	213	213	213	213
Weights (kg/m)	43.2	43.2	43.2	43.2	43.2	43.2	43.2
SWL 5:1/19:1 (kN)	82	77	72	67	64	60	58
RM (kNm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0

See additional installation requirements on page 33.

SL110/RS

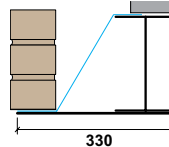


100mm outer leaf
110 - 125mm cavity
100 - 115mm inner leaf

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	213	213	213	213	213	213	213
Weights (kg/m)	44.1	44.1	44.1	44.1	44.1	44.1	44.1
SWL 5:1/19:1 (kN)	82	77	72	67	64	60	58
RM (kNm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0

See additional installation requirements on page 33.

SL130/RS

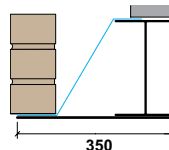


100mm outer leaf
130 - 145mm cavity
100 - 115mm inner leaf

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	213	213	213	213	213	213	213
Weights (kg/m)	45.1	45.1	45.1	45.1	45.1	45.1	45.1
SWL 5:1/19:1 (kN)	82	77	72	67	64	60	58
RM (kNm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0

See additional installation requirements on page 33.

SL150/RS



100mm outer leaf
150 - 165mm cavity
100 - 115mm inner leaf

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	213	213	213	213	213	213	213
Weights (kg/m)	46.0	46.0	46.0	46.0	46.0	46.0	46.0
SWL 5:1/19:1 (kN)	82	77	72	67	64	60	58
RM (kNm)	50.0	50.0	50.0	50.0	50.0	50.0	50.0

See additional installation requirements on page 33.

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	236	236	236	236	236	236	236
Weights (kg/m)	44.0	44.0	44.0	44.0	44.0	44.0	44.0
SWL 5:1/19:1 (kN)	95	90	85	80	76	72	69
RM (kNm)	55.7	55.7	55.7	55.7	55.7	55.7	55.7

See additional installation requirements on page 33.

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	236	236	236	236	236	236	236
Weights (kg/m)	44.9	44.9	44.9	44.9	44.9	44.9	44.9
SWL 5:1/19:1 (kN)	95	90	85	80	76	72	69
RM (kNm)	55.7	55.7	55.7	55.7	55.7	55.7	55.7

See additional installation requirements on page 33.

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	236	236	236	236	236	236	236
Weights (kg/m)	45.9	45.9	45.9	45.9	45.9	45.9	45.9
SWL 5:1/19:1 (kN)	95	90	85	80	76	72	69
RM (kNm)	55.7	55.7	55.7	55.7	55.7	55.7	55.7

See additional installation requirements on page 33.

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	236	236	236	236	236	236	236
Weights (kg/m)	46.8	46.8	46.8	46.8	46.8	46.8	46.8
SWL 5:1/19:1 (kN)	95	90	85	80	76	72	69
RM (kNm)	55.7	55.7	55.7	55.7	55.7	55.7	55.7

See additional installation requirements on page 33.

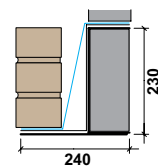
STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	236	236	236	236	236	236	236
Weights (kg/m)	47.8	47.8	47.8	47.8	47.8	47.8	47.8
SWL 5:1/19:1 (kN)	95	90	85	80	76	72	69
RM (kNm)	55.7	55.7	55.7	55.7	55.7	55.7	55.7

See additional installation requirements on page 33.

STANDARD LENGTHS (mm) Lintels are available in increments of 50mm	900 4800	5100	5400	5700	6000	6300	6600
Nominal Height "h" (mm)	236	236	236	236	236	236	236
Weights (kg/m)	48.7	48.7	48.7	48.7	48.7	48.7	48.7
SWL 5:1/19:1 (kN)	95	90	85	80	76	72	69
RM (kNm)	55.7	55.7	55.7	55.7	55.7	55.7	55.7

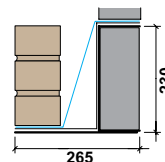
See additional installation requirements on page 33.

SL50/RSC



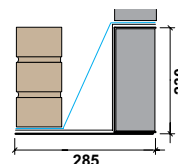
100mm outer leaf
50 - 65mm cavity
100 - 115mm inner leaf

SL70/RSC



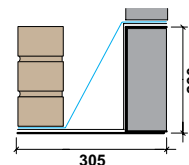
100mm outer leaf
70 - 85mm cavity
100 - 115mm inner leaf

SL90/RSC



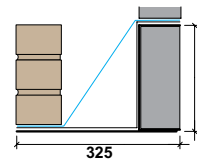
100mm outer leaf
90 - 100mm cavity
100 - 115mm inner leaf

SL110/RSC



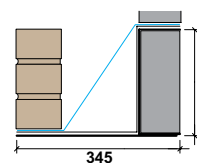
100mm outer leaf
110 - 125mm cavity
100 - 115mm inner leaf

SL130/RSC



100mm outer leaf
130 - 145mm cavity
100 - 115mm inner leaf

SL150/RSC



100mm outer leaf
150 - 165mm cavity
100 - 115mm inner leaf



CLOSED EAVES



APPLICATION

Open Back Lintel (E)

Designed to support:

- Standard truss roof loads

Heavy Duty Box Section Lintel (E HD and E XHD)

Designed to support:

- Attic trusses
- Compound trusses

ALWAYS CHECK LOADINGS AGAINST OUR
LOAD-SPAN TABLE

INSTALLATION NOTES

For general installation notes please refer
to page 66.

Open Back Eaves Lintels must be built in with a
course of blockwork positioned tightly against
the up-stand of the lintel and a continuous
timber wall plate as shown in the illustration.

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

RM – Resistance Moment (Serviceable)

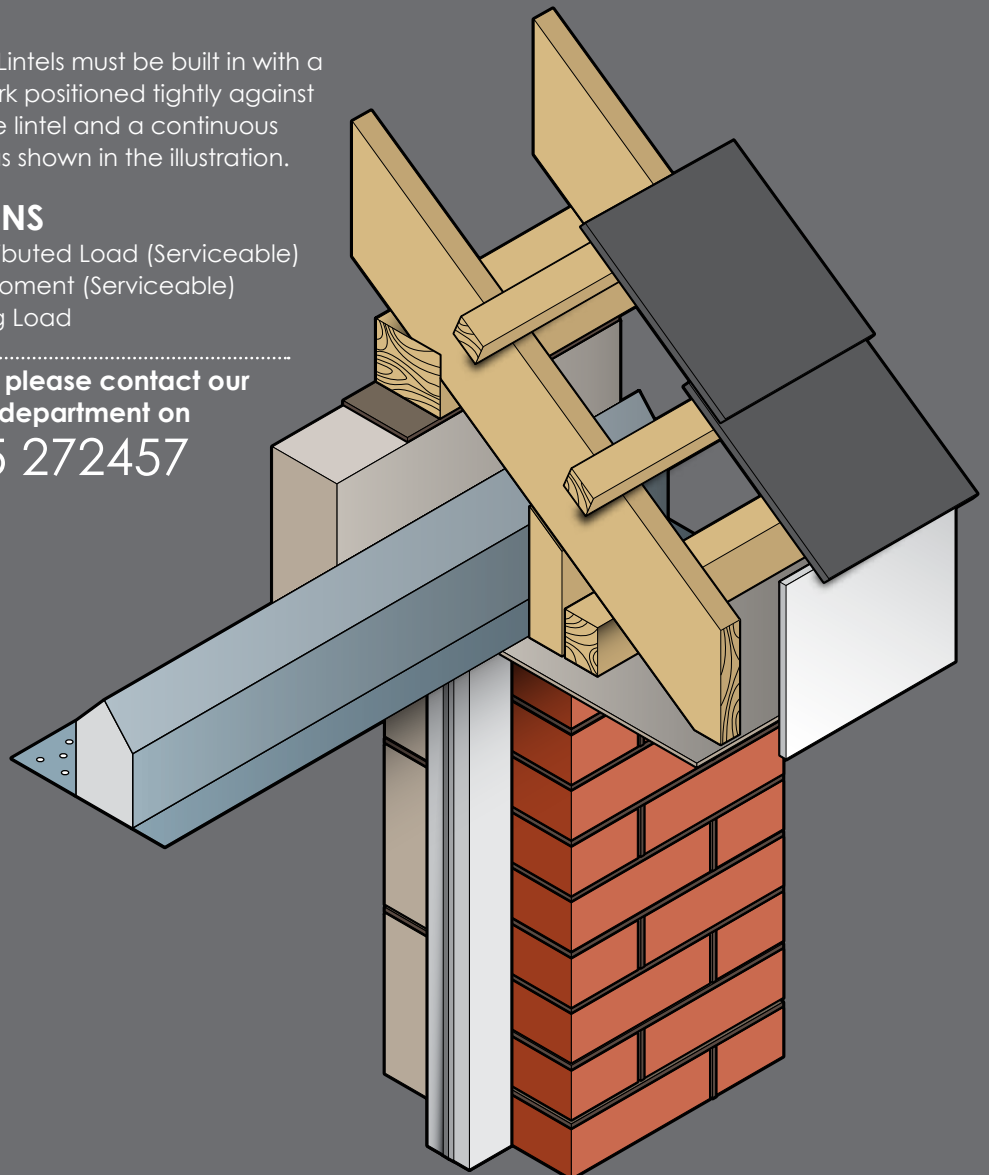
SWL – Safe Working Load



If in doubt please contact our
technical department on
01455 272457

ADVANTAGES

- Available in 150mm increments
- The curtain brackets on Open Back Eaves Lintels can be easily fixed without the need of timber battens
- Loads on eaves HD and HDX type lintels can be applied directly to the box section, without the aid of another course of blockwork
- Can suit a variety of cavity wall constructions
- Built-in plaster key – perforated base plate to inner flange
- Excellent thermal efficiency provided by the continuous insulation



STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1650	1800 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	153	153	153	153	153	
Weights (kg/m)	7.2	10.7	10.7	10.7	10.7	
SWL 19:1 kN	27	25	20	17	15	
RM (kNm)	3.6	4.8	4.8	4.8	4.8	

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	150	150	150	150	150	
Weights (kg/m)	9.9	9.9	9.9	9.9	9.9	
SWL 19:1 kN	46	38	32	28	24	
RM (kNm)	7.8	7.8	7.8	7.8	7.8	

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	2850 3000
Nominal Height "h" (mm)	150	150	150	150	150	150
Weights (kg/m)	14.8	14.8	14.8	14.8	14.8	14.8
SWL 19:1 kN	54	45	38	33	29	26
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	153	153	153	153	153	
Weights (kg/m)	7.8	11.6	11.6	11.6	11.6	
SWL 19:1 kN	27	25	20	17	15	
RM (kNm)	3.6	4.8	4.8	4.8	4.8	

See additional installation requirements on page 36.

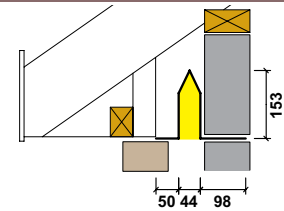
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1650	1800 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	150	150	150	150	150	
Weights (kg/m)	10.7	10.7	10.7	10.7	10.7	
SWL 19:1 kN	46	38	32	28	24	
RM (kNm)	7.8	7.8	7.8	7.8	7.8	

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	2850 3000
Nominal Height "h" (mm)	150	150	150	150	150	150
Weights (kg/m)	16.2	16.2	16.2	16.2	16.2	16.2
SWL 19:1 kN	54	45	38	33	29	26
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2

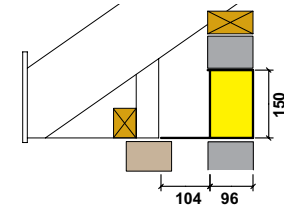
See additional installation requirements on page 36.

SL50/E



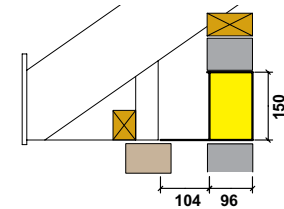
50 - 80mm cavity
100 - 115mm inner leaf

SL50/E HD



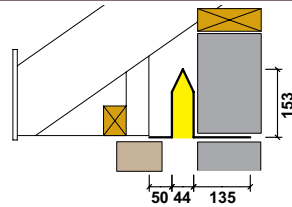
50 - 80mm cavity
100 - 115mm inner leaf

SL50/E XHD



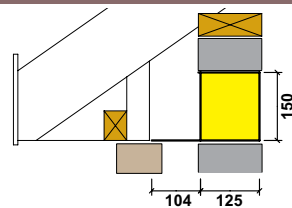
50 - 80mm cavity
100 - 115mm inner leaf

SL50/E WIL



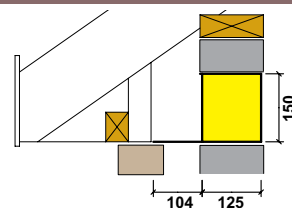
50 - 80mm cavity
125 - 150 inner leaf

SL50/E HD WIL



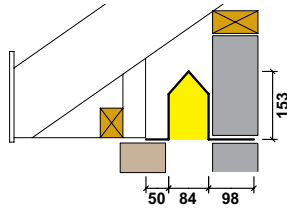
50 - 80mm cavity
125 - 150 inner leaf

SL50/E XHD WIL



50 - 80mm cavity
125 - 150 inner leaf

SL90/E



90 - 120mm cavity
100 - 115mm inner leaf

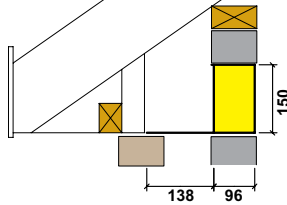
STANDARD LENGTHS (mm)

Lintels are available in increments of 150mm

	600 1200	1350 1650	1800 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	153	153	153	153	153	
Weights (kg/m)	7.5	11.1	11.1	11.1	11.1	
SWL 19:1 kN	27	25	20	17	15	
RM (kNm)	3.6	4.8	4.8	4.8	4.8	

See additional installation requirements on page 36.

SL90/E HD



90 - 120mm cavity
100 - 115mm inner leaf

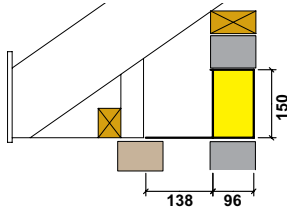
STANDARD LENGTHS (mm)

Lintels are available in increments of 150mm

	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	150	150	150	150	150	
Weights (kg/m)	10.5	10.5	10.5	10.5	10.5	
SWL 19:1 kN	46	38	32	28	24	
RM (kNm)	7.8	7.8	7.8	7.8	7.8	

See additional installation requirements on page 36.

SL90/E XHD



90 - 120mm cavity
100 - 115mm inner leaf

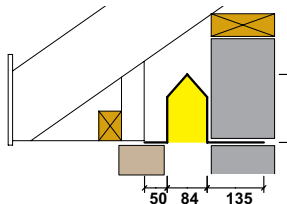
STANDARD LENGTHS (mm)

Lintels are available in increments of 150mm

	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	2850 3000
Nominal Height "h" (mm)	150	150	150	150	150	150
Weights (kg/m)	15.6	15.6	15.6	15.6	15.6	15.6
SWL 19:1 kN	54	45	38	33	29	26
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2

See additional installation requirements on page 36.

SL90/E WIL



90 - 120mm cavity
125 - 150 inner leaf

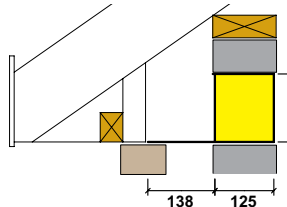
STANDARD LENGTHS (mm)

Lintels are available in increments of 150mm

	600 1200	1350 1650	1800 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	153	153	153	153	153	
Weights (kg/m)	8.1	12.0	12.0	12.0	12.0	
SWL 19:1 kN	27	25	20	17	15	
RM (kNm)	3.6	4.8	4.8	4.8	4.8	

See additional installation requirements on page 36.

SL90/E HD WIL



90 - 120mm cavity
125 - 150 inner leaf

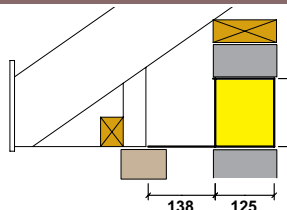
STANDARD LENGTHS (mm)

Lintels are available in increments of 150mm

	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	150	150	150	150	150	
Weights (kg/m)	11.3	11.3	11.3	11.3	11.3	
SWL 19:1 kN	46	38	32	28	24	
RM (kNm)	7.8	7.8	7.8	7.8	7.8	

See additional installation requirements on page 36.

SL90/E XHD WIL



90 - 120mm cavity
125 - 150 inner leaf

STANDARD LENGTHS (mm)

Lintels are available in increments of 150mm

	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	2850 3000
Nominal Height "h" (mm)	150	150	150	150	150	150
Weights (kg/m)	17.0	17.0	17.0	17.0	17.0	17.0
SWL 19:1 kN	54	45	38	33	29	26
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1650	1800 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	153	153	153	153	153	
Weights (kg/m)	8.0	11.9	11.9	11.9	11.9	
SWL 19:1 kN	27	25	20	17	15	
RM (kNm)	3.6	4.8	4.8	4.8	4.8	

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	150	150	150	150	150	
Weights (kg/m)	11.4	11.4	11.4	11.4	11.4	
SWL 19:1 kN	46	38	32	28	24	
RM (kNm)	7.8	7.8	7.8	7.8	7.8	

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	2850 3000
Nominal Height "h" (mm)	150	150	150	150	150	150
Weights (kg/m)	16.9	16.9	16.9	16.9	16.9	16.9
SWL 19:1 kN	54	45	38	33	29	26
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1650	1800 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	153	153	153	153	153	
Weights (kg/m)	8.1	12.0	12.0	12.0	12.0	
SWL 19:1 kN	27	25	20	17	15	
RM (kNm)	3.6	4.8	4.8	4.8	4.8	

See additional installation requirements on page 36.

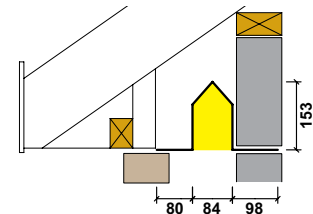
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	
Nominal Height "h" (mm)	150	150	150	150	150	
Weights (kg/m)	12.2	12.2	12.2	12.2	12.2	
SWL 19:1 kN	46	38	32	28	24	
RM (kNm)	7.8	7.8	7.8	7.8	7.8	

See additional installation requirements on page 36.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100	2250 2400	2550 2700	2850 3000
Nominal Height "h" (mm)	150	150	150	150	150	150
Weights (kg/m)	18.0	18.0	18.0	18.0	18.0	18.0
SWL 19:1 kN	54	45	38	33	29	26
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2

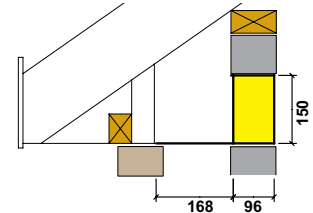
See additional installation requirements on page 36.

SL130/E



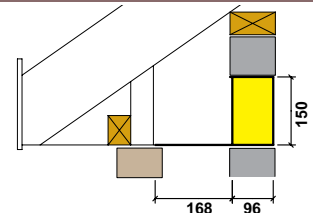
130 – 150mm cavity
100 – 115mm inner leaf

SL130/E HD



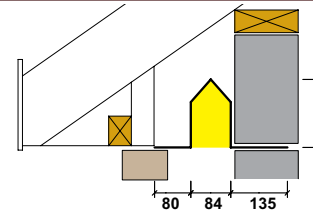
130 – 150mm cavity
100 – 115mm inner leaf

SL130/E XHD



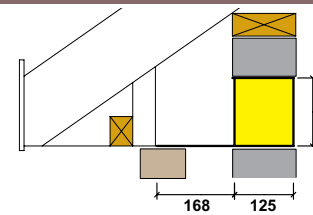
130 – 150mm cavity
100 – 115mm inner leaf

SL130/E WIL



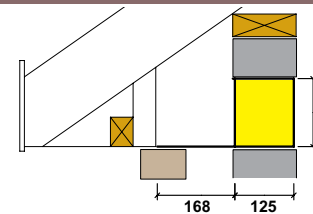
130 – 150mm cavity
125 – 150 inner leaf

SL130/E HD WIL



130 – 150mm cavity
125 – 150 inner leaf

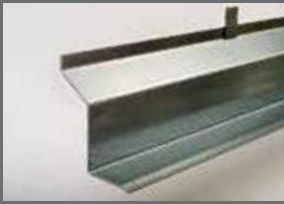
SL130/E XHD WIL



130 – 150mm cavity
125 – 150 inner leaf



TIMBER FRAME



APPLICATION

Timber Frame Lintels (TF) are designed for use in timber frame construction and are intended to support the outer leaf of masonry only, generally brickwork.

ALWAYS CHECK LOADINGS AGAINST OUR LOAD-SPAN TABLE

INSTALLATION NOTES

For general installation notes please refer to page 66.

Additional installation requirements for (TF) type lintels

- To avoid excessive deflection and possible twisting, lintels should be secured laterally with restraining clips and should be adequately propped during construction at maximum 1.2 meter centres. Props can be removed after the mortar has cured.
- A tight fitting timber batten (supplied by others) should be placed at mid span to help prevent any lateral deflection.
- Restraining clips to be spaced at maximum 500mm centres, starting from mid span. Clips must be nailed to the timber frame.

ADVANTAGES

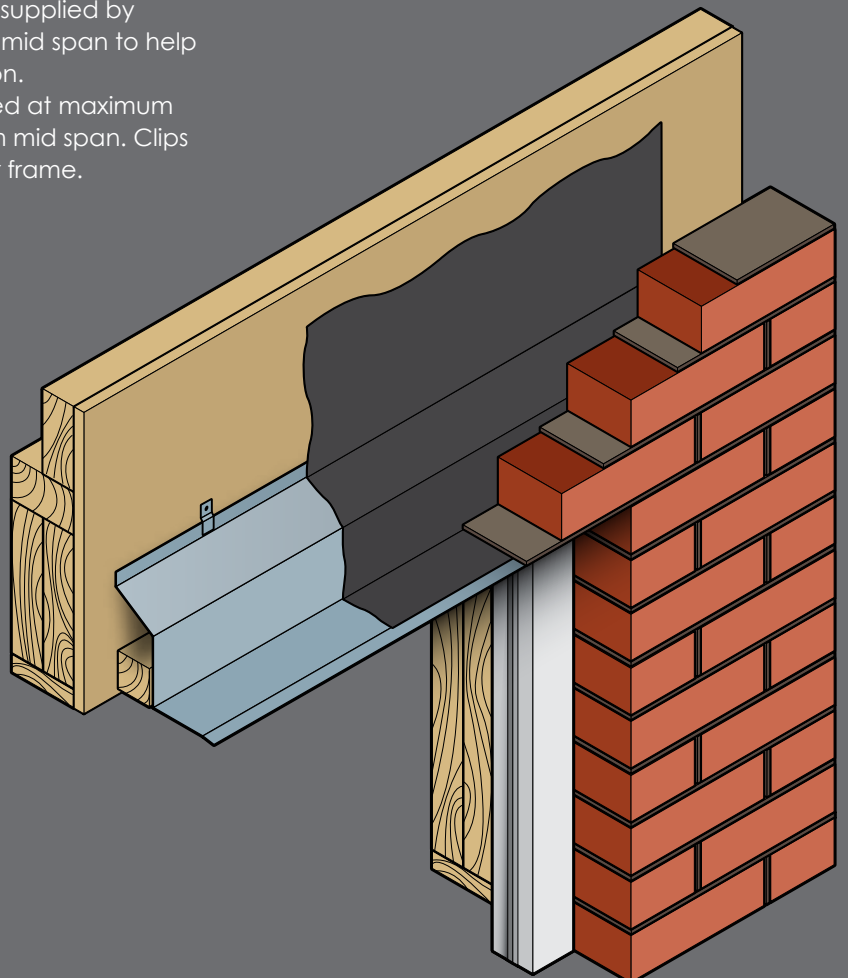
- Easy to install and suitable for a variety of cavity walls
- Can be manufactured to suit Wide Outer Leaf (WOL) or Short Outer Leaf (SOL)
- Galvanised coating ensures durability/longevity
- Supplied with appropriate number of restraining clips

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)
RM – Resistance Moment (Serviceable)
SWL – Safe Working Load



If in doubt please contact our
technical department on
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STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1800	1950 2100	2250 2400	2550 3000	3150 4800
Nominal Height "h" (mm)	146	157	174	174	220	245
Weights (kg/m)	4.2	6.6	7.0	7.0	8.1	8.7
SWL (kN)	9	9	9	10	11	12
RM (kNm)	2.2	2.2	2.8	2.8	3.9	6.9

See additional installation requirements on page 40.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2250	2400 3000	3150 4800		
Nominal Height "h" (mm)	174	220	245	280		
Weights (kg/m)	7.0	8.1	8.7	9.5		
SWL (kN)	12	15	15	20		
RM (kNm)	2.8	3.9	6.9	11.6		

See additional installation requirements on page 40.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1800	1950 2100	2250 2400	2550 3000	3150 4800
Nominal Height "h" (mm)	146	157	174	174	220	245
Weights (kg/m)	4.5	7.0	7.4	7.4	8.5	9.1
SWL (kN)	9	9	9	10	11	12
RM (kNm)	2.2	2.2	2.8	2.8	3.9	6.9

See additional installation requirements on page 40.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2250	2400 3000	3150 4800		
Nominal Height "h" (mm)	174	220	245	280		
Weights (kg/m)	7.4	8.5	9.1	9.9		
SWL (kN)	12	15	15	20		
RM (kNm)	2.8	3.9	6.9	11.6		

See additional installation requirements on page 40.

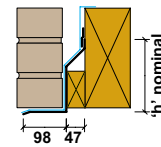
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1800	1950 2100	2250 2400	2550 3000	3150 4800
Nominal Height "h" (mm)	146	157	174	174	220	245
Weights (kg/m)	4.7	7.3	7.7	7.7	8.8	9.4
SWL (kN)	9	9	9	10	11	12
RM (kNm)	2.2	2.2	2.8	2.8	3.9	6.9

See additional installation requirements on page 40.

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1800	1950 2250	2400 3000	3150 4800		
Nominal Height "h" (mm)	174	220	245	280		
Weights (kg/m)	7.7	8.8	9.4	10.3		
SWL (kN)	12	15	15	20		
RM (kNm)	2.8	3.9	6.9	11.6		

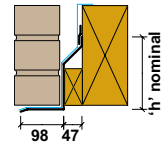
See additional installation requirements on page 40.

SL50 TF



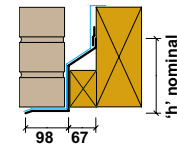
50 - 65mm cavity
102mm outer leaf

SL50 TF HD



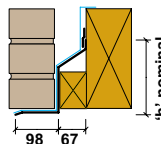
50 - 65mm cavity
102mm outer leaf

SL70 TF



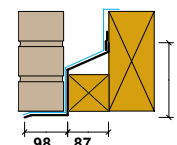
70 - 85mm cavity
102mm outer leaf

SL70 TF HD



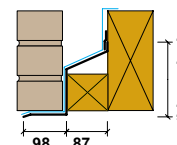
70 - 85mm cavity
102mm outer leaf

SL90 TF



80 - 105mm cavity
102mm outer leaf

SL90 TF HD



80 - 105mm cavity
102mm outer leaf



SINGLE LEAF EXTERNAL SOLID WALL



APPLICATION

Meter Box (MB), Tray (TR) and Channel (CH)

Designed to support:

- 100mm external leaf solid blockwork
- 102mm external leaf brickwork

ALWAYS CHECK LOADINGS AGAINST OUR
LOAD-SPAN TABLE

INSTALLATION NOTES

For general installation notes please refer
to page 66.

**Additional installation requirements for (MB),
(TR) and (CH) type lintels**

- To avoid excessive deflection and possible twisting, lintels should be adequately propped during construction at maximum 1.2 metre centres. Props can be removed after the mortar has cured.
- To achieve stated loading figures, Channel Lintels (CH) MUST be filled with well cured masonry before work proceeds over.

ADVANTAGES

- Easy to install
- Suitable for faced brick/block walls
- Can be manufactured with a short/reduced outer toe (SOL) to suit a cant brick detail or feature stone head.
- Can be manufactured to suit a wide outer leaf (WOL), e.g. 125-150mm blockwork or stonework.
- Galvanised coating ensures durability/longevity

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

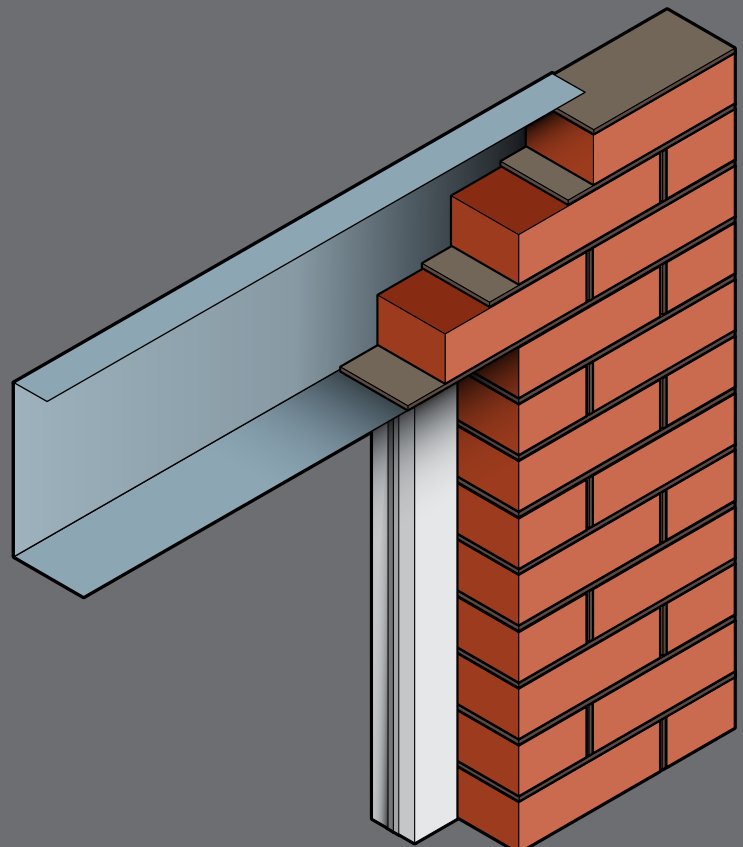
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



**If in doubt please contact our
technical department on**

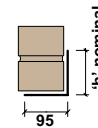
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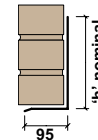
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1350	1500 2100			
Nominal Height "h" (mm)	75	85			
Weights (kg/m)	2.6	4.2			
SWL (kN)	4	5			
RM (kNm)	0.6	1.2			

See additional installation requirements on page 42.

SL100 MB



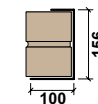
SL100 TR



STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2400	2550 3000	3150 3900
Nominal Height "h" (mm)	115	115	165	225	225
Weights (kg/m)	3.3	5.0	6.2	7.6	7.6
SWL (kN)	8	12	12	17	15
RM (kNm)	1.4	1.4	3.6	5.8	5.8

See additional installation requirements on page 42.

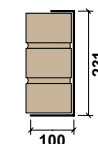
SL100 CH 150



STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2100		
Nominal Height "h" (mm)	156	156	156		
Weights (kg/m)	7.4	7.4	7.4		
SWL (kN)	29	23	20		
RM (kNm)	4.9	4.9	4.9		

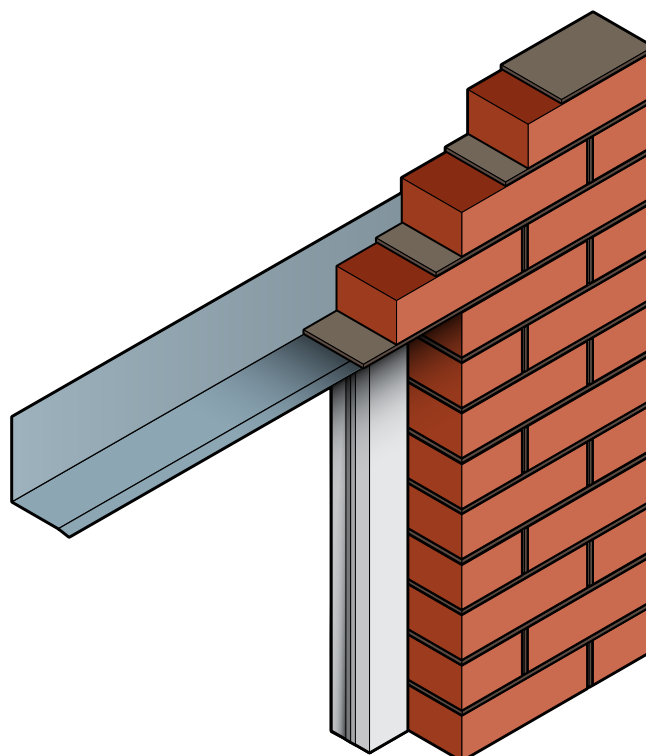
See additional installation requirements on page 42.

SL100 CH 225



STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2400	2550 3000	3150 4050	4200 4800
Nominal Height "h" (mm)	231	231	231	231	231	231
Weights (kg/m)	9.2	9.2	9.2	9.2	9.2	9.2
SWL (kN)	57	47	34	30	20	17
RM (kNm)	9.8	9.8	9.8	9.8	9.8	9.8

See additional installation requirements on page 42.



SINGLE LEAF EXTERNAL SOLID WALL



INTERNAL SOLID WALL



APPLICATION

Galvanised steel box lintels are designed for use in internal 75mm, 100mm wide or 140-150mm wide, non-load bearing and load bearing walls. Designed to support:

- Concrete floor loads
- Masonry loads, timber floor joists and/or roof trusses
- 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 66.

ADVANTAGES

- Easy to install
- Suitable for 75mm, 100mm wide or 140-150mm wide walls
- Can be supplied insulated for use at eaves level at additional cost
- Galvanised coating ensures durability/longevity
- Built-in plaster key – perforated plate to base and two sides
- Suitable for use under various loading conditions

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

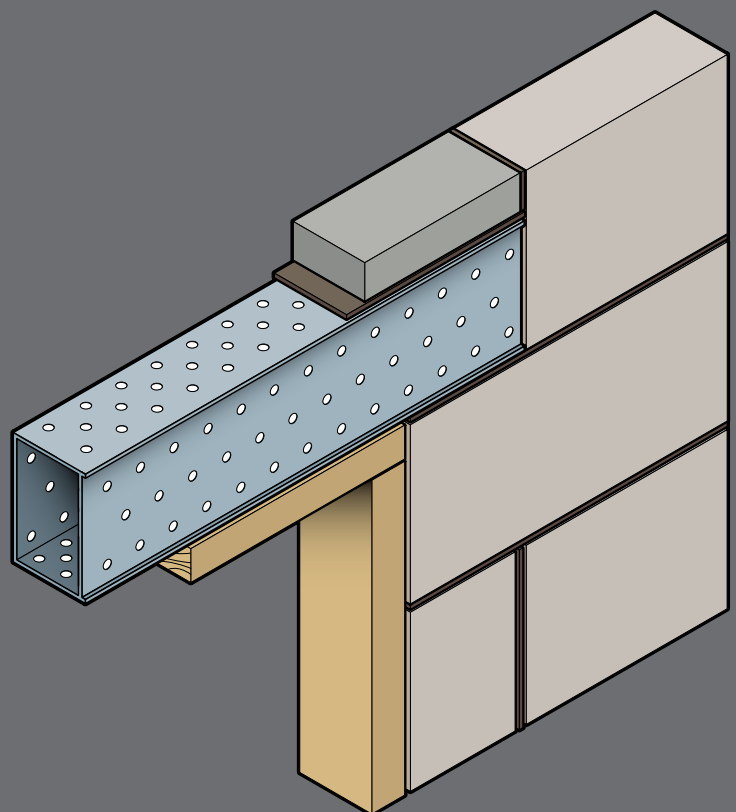
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



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STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800					
Nominal Height "h" (mm)	80	80					
Weights (kg/m)	5.3	5.3					
SWL (kN)	16	11					
RM (kNm)	2.7	2.7					

See additional installation requirements on page 44.

SL75 BOX

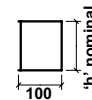


Light Duty

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 2100	2250 2400	2550 2700	2850 3600	3750 4200	4350 4800	4950 5100
Nominal Height "h" (mm)	108	150	150	150	225	225	225	225
Weights (kg/m)	6.8	8.3	8.3	8.3	15.9	15.9	15.9	15.9
SWL (kN)	24	30	28	24	35	30	29	27
RM (kNm)	4.1	7.8	7.8	7.8	15.5	15.5	15.5	15.5

See additional installation requirements on page 44.

SL100 BOX

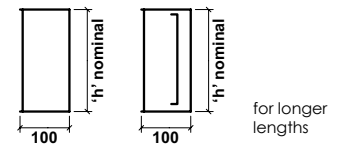


Standard Duty

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1200	1350 1500	1650 2400	2550 2700	2850 3600	3750 4800	
Nominal Height "h" (mm)	150	225	225	225	225	225	
Weights (kg/m)	8.3	8.3	15.9	15.9	19.9	19.9	
SWL (kN)	51	46	55	49	55	40	
RM (kNm)	7.8	7.8	15.5	15.5	23.3	23.3	

See additional installation requirements on page 44.

SL100 BOX HD

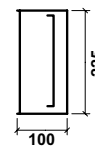


Heavy Duty

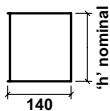
STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2700						
Nominal Height "h" (mm)	225						
Weights (kg/m)	19.9						
SWL (kN)	70						
RM (kNm)	23.3						

See additional installation requirements on page 44.

SL100 BOX XHD



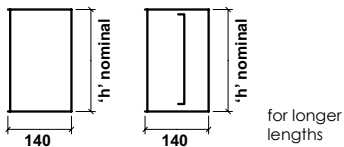
Extra Heavy Duty

SL140 BOX

Standard Duty

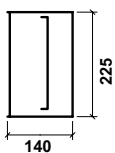
STANDARD LENGTHS (mm)	600	1650	2250	2550	2850	4350	
Lintels are available in increments of 150mm							
	1500	2100	2400	2700	4200	5100	
Nominal Height "h" (mm)	150	150	150	150	225	225	
Weights (kg/m)	9.7	9.7	9.7	9.7	18.0	18.0	
SWL (kN)	50	35	30	26	46	42	
RM (kNm)	8.6	8.6	8.6	8.6	17.2	17.2	

See additional installation requirements on page 44.

SL140 BOX HD

STANDARD LENGTHS (mm)	600	1650	1950	2850	3750		
Lintels are available in increments of 150mm							
	1500	1800	2700	3600	4800		
Nominal Height "h" (mm)	150	225	225	225	225		
Weights (kg/m)	14.5	18.0	18.0	22.0	22.0		
SWL (kN)	60	60	54	55	43		
RM (kNm)	10.1	17.2	17.2	25.0	25.0		

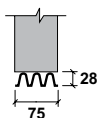
See additional installation requirements on page 44.

SL140 BOX XHD

Extra Heavy Duty

STANDARD LENGTHS (mm)	600						
Lintels are available in increments of 150mm							
	2700						
Nominal Height "h" (mm)	225						
Weights (kg/m)	22.0						
SWL (kN)	75						
RM (kNm)	25.0						

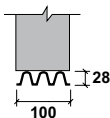
See additional installation requirements on page 44.

SL75 INT

Light Duty

STANDARD LENGTHS (mm)	900	1050	1200				
Lintels are available in increments of 150mm							
Nominal Height "h" (mm)	28	28	28				
Weights (kg/m)	1.1	1.1	1.1				
SWL (kN)	5	7	7				

See additional installation requirements on page 44.

SL100 INT

Light Duty

STANDARD LENGTHS (mm)	900	1050	1200				
Lintels are available in increments of 150mm							
Nominal Height "h" (mm)	28	28	28				
Weights (kg/m)	1.2	1.2	1.2				
SWL (kN)	5	5	5				
RM (kNm)	7	7	7				

See additional installation requirements on page 44.

EXTERNAL SOLID WALL



APPLICATION

Galvanised steel box lintels are designed for use in 200-215mm solid walls and are available in three different designs: box with a lip/toe (SL200 BOX), inverted 'T' section (SL200 T) or back to back channel (SL200 CH).

Designed to support:

- Concrete floor loads
- Tile hanging
- Masonry loads
- Timber floor joists
- Attic truss loads and/or roof trusses
- Point loads: compound trusses, steel beams, etc
- SL200 BOX is designed to support 19:1 load ratio
- SL200 CH and SL200 'T' are designed to support 1:1 load ratio

ALWAYS CHECK LOADINGS AGAINST OUR LOAD-SPAN TABLE

INSTALLATION NOTES

For general installation notes please refer to page 66.

Additional installation requirements for SL200 CH and SL200 'T' type lintels:

- To avoid excessive deflection and possible twisting, lintels should be adequately propped during construction at maximum 1.2 metre centres. Props should only be removed after the mortar has cured.
- To achieve stated loading figures, SL200 CH lintels MUST be filled with well cured masonry before work proceeds over.

ADVANTAGES

- Easy to install
- Inverted 'T' and back to back channel sections can be used to carry fair facing brick walls on both sides
- Can be used in tile-hanging external walls
- Galvanised coating ensures durability/longevity
- Suitable for use under various loading conditions

ABBREVIATIONS

UDL – Uniform Distributed Load (Serviceable)

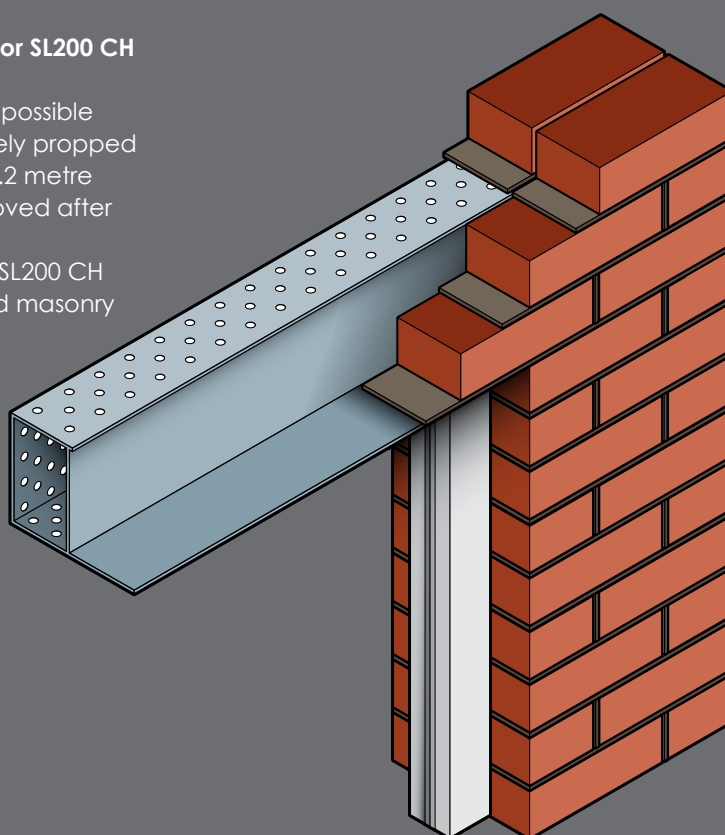
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



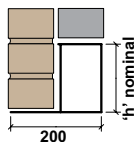
If in doubt please contact our technical department on

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EXTERNAL SOLID WALL

SL200 BOX

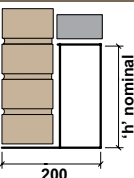


Standard Duty

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 2100	2250 2700	2850 3000	3150 3300	3450 3900	4050 4350	4500 4800	4950 5100
Nominal Height "h" (mm)	150	150	225	225	225	225	225	225
Weights (kg/m)	9.9	14.8	18.8	18.8	18.8	18.8	18.8	18.8
SWL 19:1 (kN)	37	29	52	47	40	35	32	29
RM (kNm)	6.4	9.2	18.5	18.5	18.5	18.5	18.5	18.5

See additional installation requirements on page 47.

SL200 BOX HD

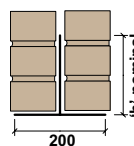


Heavy Duty

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2700				
Nominal Height "h" (mm)	150	225	225				
Weights (kg/m)	14.8	18.8	18.8				
SWL 19:1 (kN)	55	65	58				
RM (kNm)	9.2	18.5	18.5				

See additional installation requirements on page 47.

SL200 'T'

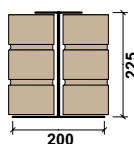


Standard Duty

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1350	1500 1800	1650 2700	2850 3000			
Nominal Height "h" (mm)	75	95	175	175			
Weights (kg/m)	7.7	8.7	12.5	12.5			
SWL 1:1 (kN)	12	12	24	22			
RM (kNm)	1.9	2.5	4.2	4.2			

See additional installation requirements on page 47.

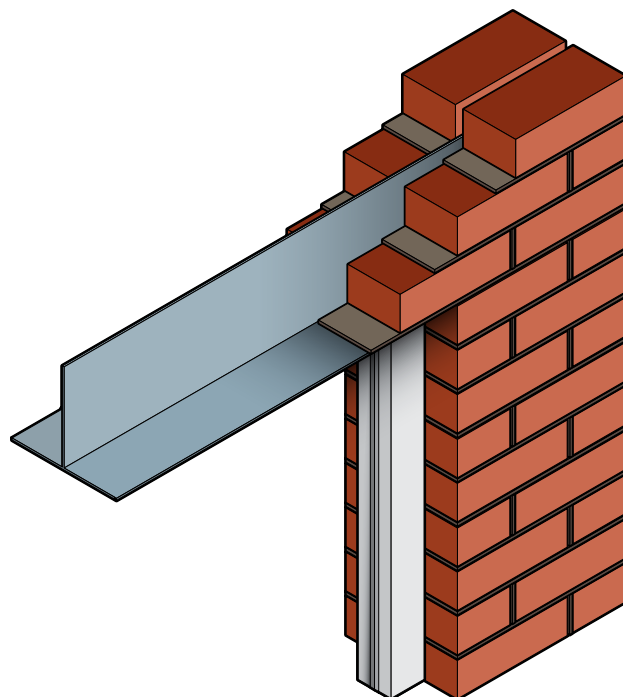
SL200 CH



Heavy Duty

STANDARD LENGTHS (mm) Lintels are available in increments of 150mm	600 1500	1650 1800	1950 2400	2550 3000	3150 4050	4200 5100	
Nominal Height "h" (mm)	231	231	231	231	231	231	
Weights (kg/m)	17.6	17.6	17.6	17.6	17.6	17.6	
SWL 1:1 (kN)	90	80	67	53	50	35	
RM (kNm)	19.0	19.0	19.0	19.0	19.0	19.0	

See additional installation requirements on page 47.



PRESTRESSED CONCRETE STANDARD



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 range of lintels, most of which are reversible
- 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 65 through to 215 x 140.
- If required, Stressline can schedule and deliver in house plots.

IMPORTANT NOTES

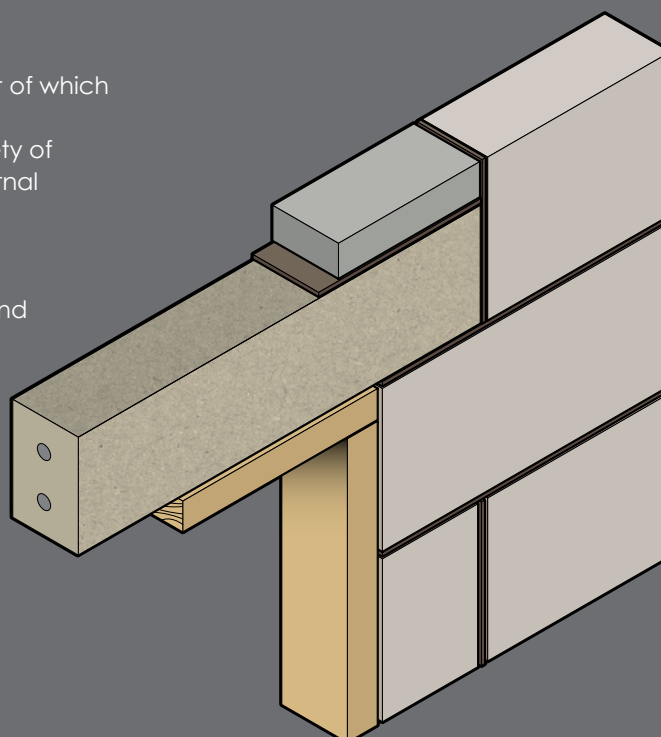
- The loading figures published in the load-span tables represent the Uniform Distributed Serviceable Load (UDL) in kN/m which can be supported by the lintel without the provision of structural brickwork/blockwork over. This is known as Independent Design.
- Lintel lengths shown greyed out within the 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 65mm deep lintels must not clear span more than 1800mm).

ABBREVIATIONS:

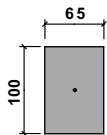
UDL – Uniform Distributed Load (Serviceable)
RM – Resistance Moment (Serviceable)



If in doubt please contact
our technical department on
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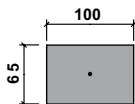
65 x 100



STANDARD LENGTHS (mm)	600	750	900	1050	1200	1350	1500	1650	1800	2100	2400	2700	3000	
Clear Span (mm)	300	450	600	750	900	1050	1200	1350	1500	1800				
Weight (kg/m)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
UDL (kN/m)	23.9*	23.9*	18.8*	12.4	8.7	6.5	5.0	3.9	3.2	2.2				
RM (kNm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				

*UDL is restricted by shear
Minimum manufactured length is 450mm Maximum manufactured length is 3000mm

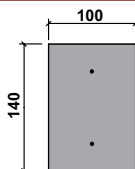
100 x 65



STANDARD LENGTHS (mm)	600	750	900	1050	1200	1350	1500	1650	1800	2100	2400	2700	3000	
Clear Span (mm)	300	450	600	750	900	1050	1200	1350	1500	1800				
Weight (kg/m)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	
UDL (kN/m)	23.9*	23.9*	13.8*	8.9	6.5	5.3	4.1	3.2	2.6	1.8				
RM (kNm)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8				

*UDL is restricted by shear
Minimum manufactured length is 450mm Maximum manufactured length is 3000mm

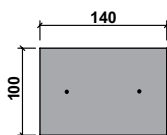
R15A 100 x 140



STANDARD LENGTHS (mm)	1050	1200	1350	1500	1650	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	750	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)	40.2*	28.2	21.8	17.0	13.6	11.1	7.8	5.7	4.4	3.4	2.7	2.2	1.8	1.5
RM (kNm)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7

*UDL is restricted by shear
Minimum manufactured length is 600mm Maximum manufactured length is 4200mm

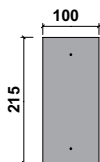
R15 140 x 100



STANDARD LENGTHS (mm)	1050	1200	1350	1500	1650	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	750	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)	35.9*	26.3	19.3	14.8	11.8	9.5	6.6	4.8	3.6	2.8	2.2	1.8	1.5	1.2
RM (kNm)	3.0	3.0	3.0	3.0	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 600mm Maximum manufactured length is 4200mm

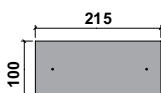
R22A 100 x 215



STANDARD LENGTHS (mm)	600	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	300	600	900	1050	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (kg/m)	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
UDL (kN/m)	67.6*	67.6*	51.4	44.5	35.3	23.7	17.0	12.7	9.8	7.8	6.5	5.2	4.3	3.6
RM (kNm)	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7

*UDL is restricted by shear
Minimum manufactured length is 600mm Maximum manufactured length is 4200mm

R22 215 x 100



STANDARD LENGTHS (mm)	600	900	1200	1350	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	300	600	900	1050	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (kg/m)	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
UDL (kN/m)	49.0*	49.0*	26.0	19.3	14.8	9.4	6.5	4.7	3.5	2.7	2.1	1.6	1.3	1.0
RM (kNm)	3.0	3.0	3.0	3.0	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 600mm Maximum manufactured length is 4200mm

STANDARD LENGTHS (mm)	600	900	1050	1200	1350	1500	1800	2100	2400	2700	3000			
Clear Span (mm)	300	600	750	900	1050	1200	1500	1800						
Weight (kg/m)	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2			
UDL (kN/m)	33.0*	18.8*	12.3	8.6	6.3	4.8	3.1	2.1						
RM (kNm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0						

*UDL is restricted by shear
Minimum manufactured length is 600mm Maximum manufactured length is 3000mm

STANDARD LENGTHS (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200			
Clear Span (mm)	900	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			
UDL (kN/m)	24.2*	13.9	9.0	6.2	4.5	3.3	2.6	2.0	1.6	1.3	1.0			
RM (kNm)	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9			

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

STANDARD LENGTHS (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200			
Clear Span (mm)	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900			
Weight (kg/m)	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7			
UDL (kN/m)	61.6*	37.6*	25.1	17.9	13.3	10.3	8.1	6.5	5.3	4.4	3.7			
RM (kNm)	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2			

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

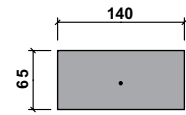
STANDARD LENGTHS (mm)	1200	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200			
Clear Span (mm)	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900			
Weight (kg/m)	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7			
UDL (kN/m)	43.5*	25.1	16.2	11.2	8.1	6.1	4.7	3.7	2.9	2.4	1.9			
RM (kNm)	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2			

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

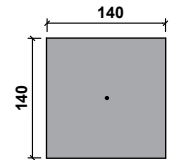
STANDARD LENGTHS (mm)	600	900	1050	1200	1500	1800	2100	2400	2700	3000				
Clear Span (mm)	300	600	750	900	1200	1500	1800							
Weight (kg/m)	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0				
UDL (kN/m)	36.4*	36.4*	23.7	17.0	9.6	6.1	4.2							
RM (kNm)	1.9	1.9	1.9	1.9	1.9	1.9	1.9							

*UDL is restricted by shear
Minimum manufactured length is 600mm Maximum manufactured length is 3000mm

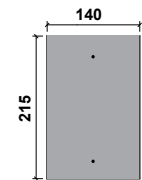
140 x 65



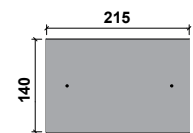
140 x 140



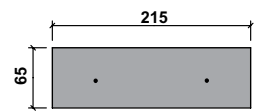
RW22A 140 x 215



RW22 215 x 140



215 x 65





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

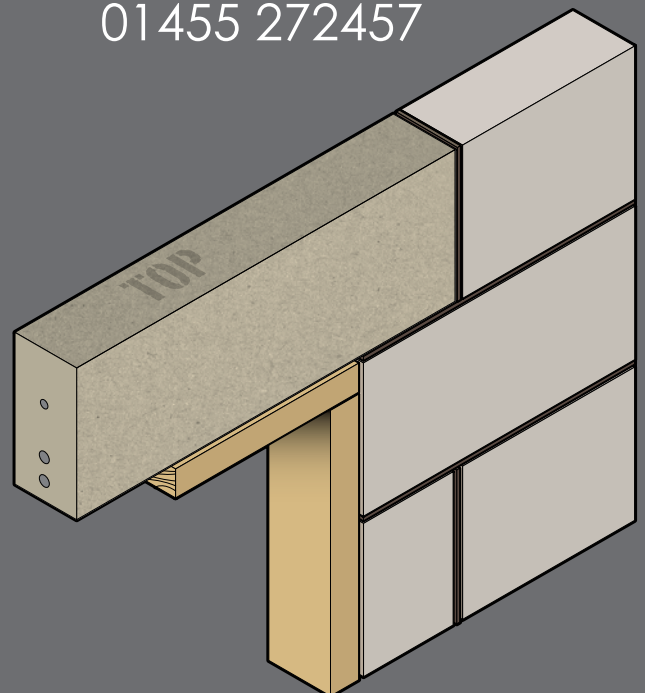
ABBREVIATIONS:

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



If in doubt please contact our
technical department on

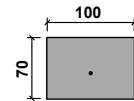
01455 272457



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

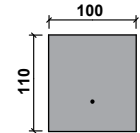
100 x 70 HIGH-STRENGTH



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

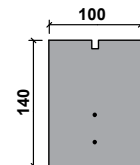
100 x 110 HIGH-STRENGTH



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

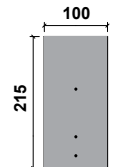
100 x 140 HIGH-STRENGTH



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

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

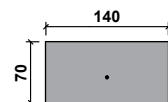
100 x 215 HIGH-STRENGTH



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

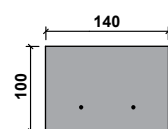
140 x 70 HIGH-STRENGTH



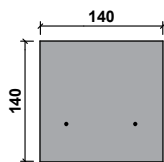
STANDARD LENGTHS (mm)	900	1200	1350	1500	1650	1800	2100	2400	2700	3000				
Clear Span (mm)	600	900	1050	1200	1350	1500	1800	2100	2400	2700				
Weight (Kg/m)	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3				
UDL (kN/m)	54.1*	35.0	26.2	20.3	16.1	13.1	9.2	6.7	5.1	4.3				
RM (kNm)	4.2	4.2	4.2	4.2	4.2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

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

140 x 100 HIGH-STRENGTH



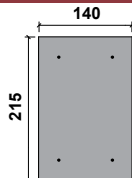
140 x 140 HIGH-STRENGTH



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	

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

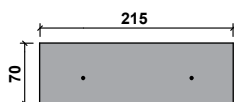
140 x 215 HIGH-STRENGTH



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	

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

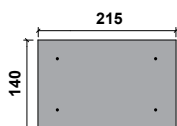
215 x 70 HIGH-STRENGTH



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									
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									

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

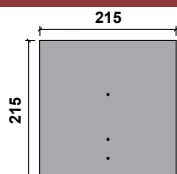
215 x 140 HIGH-STRENGTH



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		

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

PRESTRESSED CONCRETE FAIR FACED LINTELS



APPLICATION

This type of lintel is specifically used in fair faced block/brick walls. It can be painted if required. 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 with a smooth fair faced finish
- We offer a wide range of lintels from 100 x 110 through to 215 x 215 with further sections available in the near future.
- If required, Stressline can schedule and deliver in house plots.

IMPORTANT NOTES

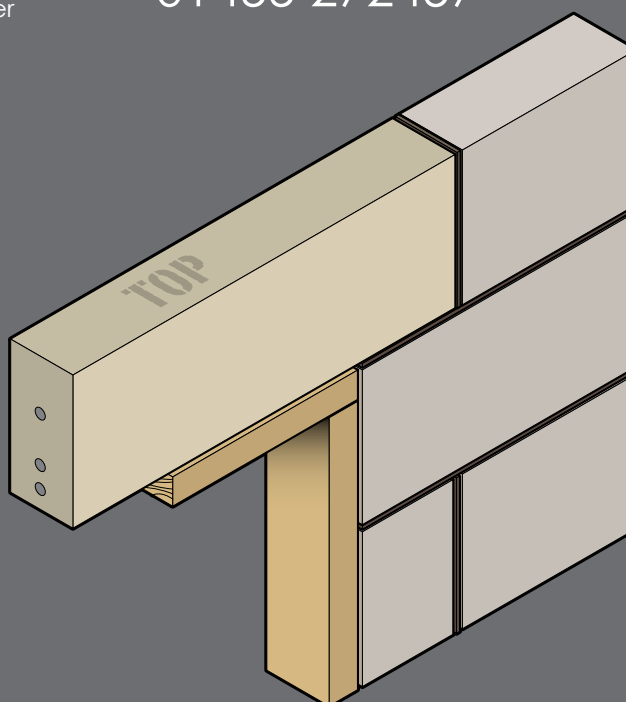
- The loading figures published in the load-span tables represent the Uniform Distributed Serviceable Load (UDL) in kN/m which can be supported by the lintel without the provision of structural brickwork/blockwork over. This is known as Independent Design.
- Lintels are marked TOP and must be used in the correct orientation

ABBREVIATIONS

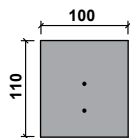
UDL – Uniform Distributed Load (Serviceable)
RM – Resistance Moment (Serviceable)



If in doubt please contact
our technical department on
01455 272457



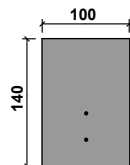
100 x 110 Fair Faced



STANDARD LENGTHS (mm)	900	1200	1500	1800	2100	2400	2700	3000				
Clear Span (mm)	600	900	1200	1500	1800	2100	2400	2700				
Weight (Kg/m)	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9				
UDL (kN/m)	43.5*	24.1	14.0	9.1	6.3	4.7	3.5	2.8				
RM (kNm)	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9				

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

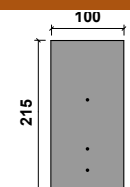
100 x 140 Fair Faced



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)	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
UDL (kN/m)	56.2*	40.9	26.4	17.3	12.1	9.0	6.8	5.4	4.3	3.5	2.9	2.2
RM (kNm)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6

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

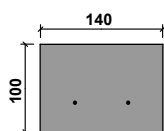
100 x 215 Fair Faced



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)	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
UDL (kN/m)	81.5*	62.9	49.1	36.6	26.0	19.4	15.0	11.9	9.6	7.9	6.6	5.6
RM (kNm)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5

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

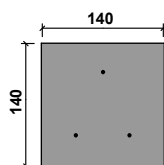
140 x 100 Fair Faced



STANDARD LENGTHS (mm)	900	1200	1500	1800	2100	2400	2700	3000				
Clear Span (mm)	600	900	1200	1500	1800	2100	2400	2700				
Weight (Kg/m)	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3				
UDL (kN/m)	54.7*	33.2	19.2	12.5	8.7	6.4	4.8	3.8				
RM (kNm)	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9				

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

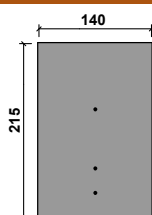
140 x 140 Fair Faced



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)	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)	71.9*	52.8	34.6	22.7	16.0	11.8	9.1	7.1	5.7	4.7	3.9	3.3
RM (kNm)	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

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

140 x 215 Fair Faced

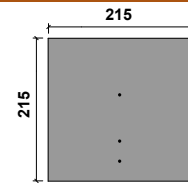


STANDARD LENGTHS (mm)	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	4050	4200
Clear Span (mm)	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900
Weight (Kg/m)	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
UDL (kN/m)	104.2*	81.7	63.1	43.6	30.9	23.0	17.8	14.1	11.4	9.5	7.8	7.3
RM (kNm)	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9

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

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

215 x 215 Fair Faced



PRESTRESSED CONCRETE FAIR FACED

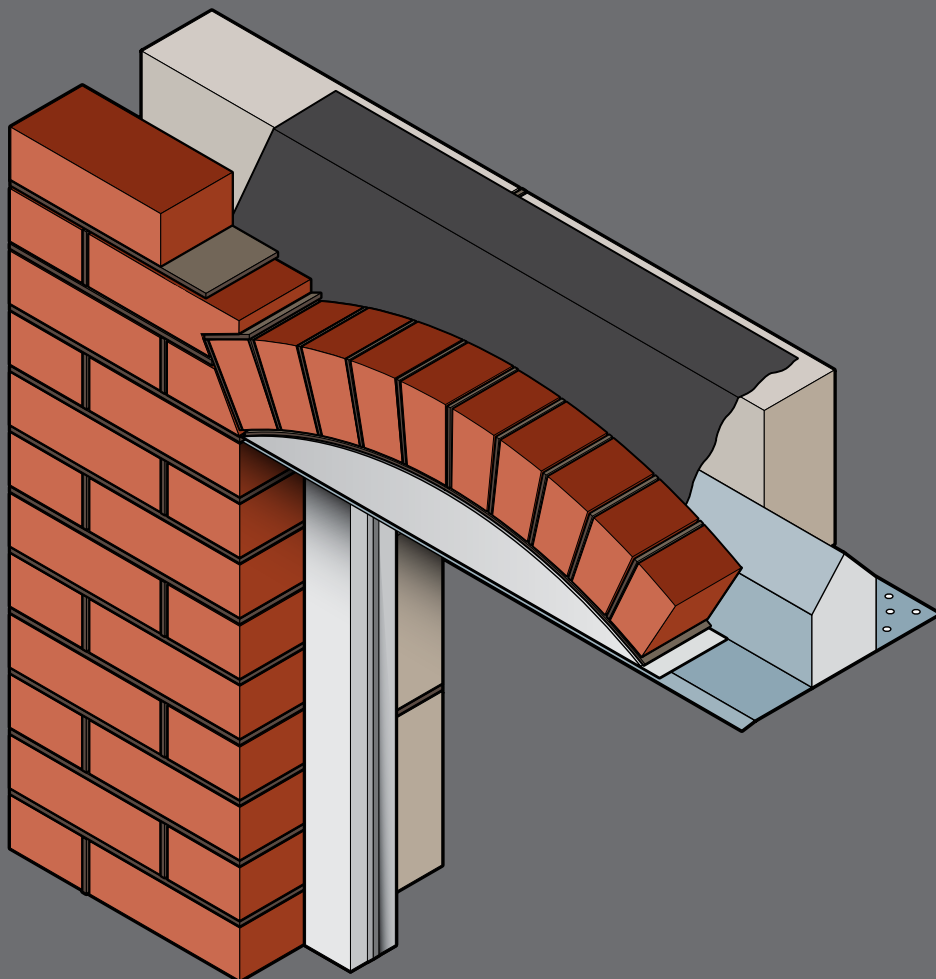


ARCH FORMERS

APPLICATION

White Arch Formers are used over openings in external walls and provide a low cost solution to help form low rise (75mm and 150mm) brick arches. The facia is formed from UV stable polymer.

Arch reference	Arch rise (mm)	Arch Length (mm)	Clear span (mm)
SL75 White Arch Former	75	475	450-500
SL75 White Arch Former	75	625	600-650
SL75 White Arch Former	75	680	655-705
SL75 White Arch Former	75	925	900-950
SL75 White Arch Former	75	1050	1025-1075
SL75 White Arch Former	75	1225	1200-1250
SL75 White Arch Former	75	1350	1300-1350
SL75 White Arch Former	75	1525	1500-1550
SL75 White Arch Former	75	1675	1650-1700
SL75 White Arch Former	75	1790	1760-1810
SL150 White Arch Former	150	1975	1950-2000
SL150 White Arch Former	150	2125	2100-2150
SL150 White Arch Former	150	2250	2225-2275
SL150 White Arch Former	150	2425	2400-2450



SPECIALS

APPLICATION

Stressline Special Lintels are designed and manufactured to suit the most innovative of window designs and styles including:

- Semi-circular arch
- Segmental arch
- Parabolic arch
- Gothic arch
- Venetian arch
- Apex lintel
- Corner lintel
- Splayed bay lintel
- Square bay lintels

INSTALLATION NOTES

For general installation notes please refer to page 66.

ADVANTAGES

- Easy to install and suitable for a variety of applications
- Galvanised coating ensures durability/longevity
- Built-in plaster key – perforated base plate to inner flange
- Excellent thermal efficiency
- Available for solid wall construction
- Corner lintels and bay lintels can be supplied with corner posts

INFORMATION REQUIREMENTS

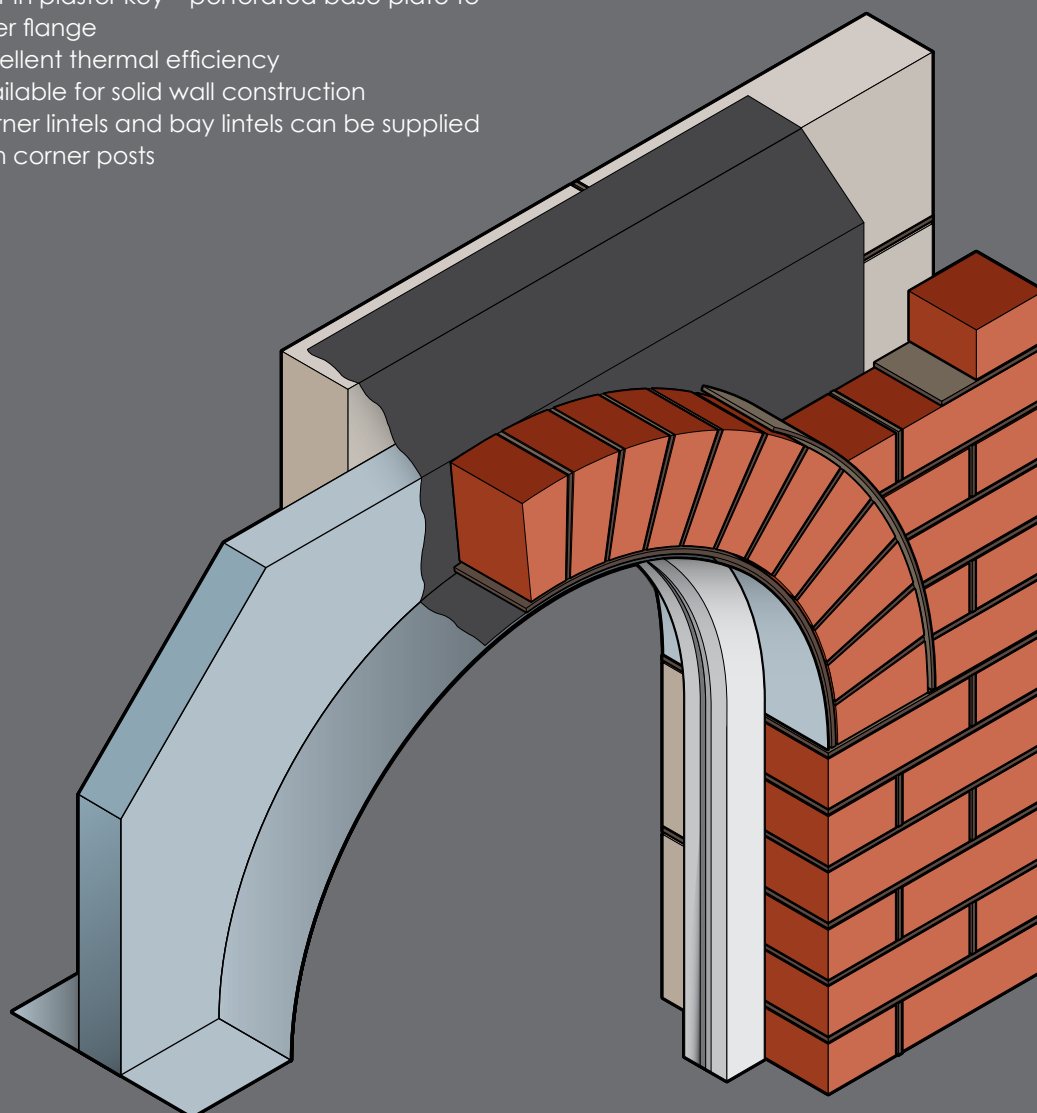
To enable us to provide a quick and cost effective service, please provide our Technical Office with all the relevant information regarding: wall construction (inner leaf, cavity width, outer leaf), structural opening (clear span), arch rise or radius, loadings supported by the lintel (i.e. masonry loads, floor/roof loads).

Please refer to forms overleaf.

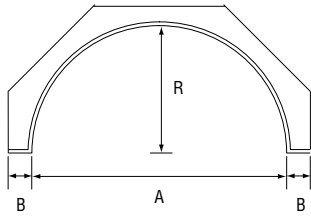


If in doubt please contact
our technical department on

01455 272457



SEMI-CIRCULAR ARCH LINTEL



LINTEL DIMENSIONS

Clear span (A)	<input type="text"/>	mm
Radius (R)	<input type="text"/>	mm
End bearing (B)	<input type="text"/>	mm

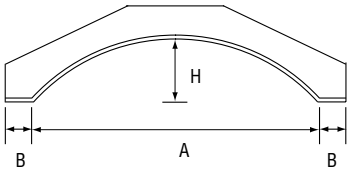
WALL CONSTRUCTION

Outer leaf	<input type="text"/>	mm
Cavity width	<input type="text"/>	mm
Inner leaf	<input type="text"/>	mm

PLASTER KEY REQUIREMENTS

Inside only	<input type="checkbox"/> please tick
Both sides	<input type="checkbox"/>
None	<input type="checkbox"/>

SEGMENTAL ARCH LINTEL



LINTEL DIMENSIONS

Clear span (A)	<input type="text"/>	mm
Height of rise (H)	<input type="text"/>	mm
End bearing (B)	<input type="text"/>	mm

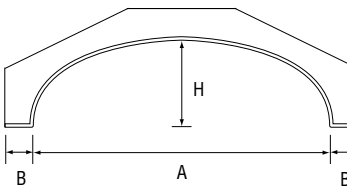
WALL CONSTRUCTION

Outer leaf	<input type="text"/>	mm
Cavity width	<input type="text"/>	mm
Inner leaf	<input type="text"/>	mm

PLASTER KEY REQUIREMENTS

Inside only	<input type="checkbox"/> please tick
Both sides	<input type="checkbox"/>
None	<input type="checkbox"/>

PARABOLIC ARCH LINTEL



LINTEL DIMENSIONS

Clear span (A)	<input type="text"/>	mm
Height of rise (H)	<input type="text"/>	mm
End bearing (B)	<input type="text"/>	mm

WALL CONSTRUCTION

Outer leaf	<input type="text"/>	mm
Cavity width	<input type="text"/>	mm
Inner leaf	<input type="text"/>	mm

PLASTER KEY REQUIREMENTS

Inside only	<input type="checkbox"/> please tick
Both sides	<input type="checkbox"/>
None	<input type="checkbox"/>

CUSTOMER DETAILS

Full Name	<input type="text"/>		Company Name	<input type="text"/>
Job reference/Site address	<input type="text"/>			
	<input type="text"/>			
	<input type="text"/>	Postcode	<input type="text"/>	
Address	<input type="text"/>			
	<input type="text"/>			
	<input type="text"/>	Postcode	<input type="text"/>	
Fax	<input type="text"/>	Telephone	<input type="text"/>	
Email address	<input type="text"/>			

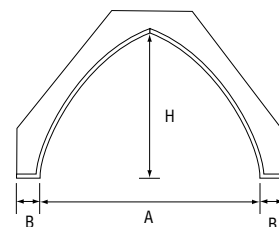
Enquiries for Special lintels should be faxed to 01455 274564

LINTEL DIMENSIONS	
Clear span (A)	<input type="text"/> mm
Height of rise (H)	<input type="text"/> mm
End bearing (B)	<input type="text"/> mm

WALL CONSTRUCTION	
Outer leaf	<input type="text"/> mm
Cavity width	<input type="text"/> mm
Inner leaf	<input type="text"/> mm

PLASTER KEY REQUIREMENTS	
Inside only	<input type="checkbox"/> please tick
Both sides	<input type="checkbox"/>
None	<input type="checkbox"/>

GOthic ARCH LINTEL

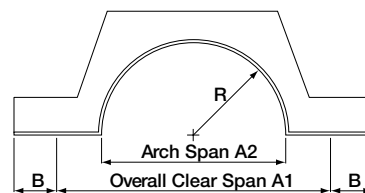


LINTEL DIMENSIONS	
Overall Clear span (A1)	<input type="text"/> mm
Arch Span (A2)	<input type="text"/> mm
Radius (R)	<input type="text"/> mm
End Bearing (B)	<input type="text"/> mm

WALL CONSTRUCTION	
Outer leaf	<input type="text"/> mm
Cavity width	<input type="text"/> mm
Inner leaf	<input type="text"/> mm

PLASTER KEY REQUIREMENTS	
Inside only	<input type="checkbox"/> please tick
Both sides	<input type="checkbox"/>
None	<input type="checkbox"/>

VENETIAN ARCH LINTEL

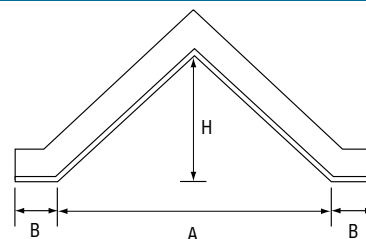


LINTEL DIMENSIONS	
Clear span (A)	<input type="text"/> mm
Height of rise (H)	<input type="text"/> mm
End Bearing (B)	<input type="text"/> mm

WALL CONSTRUCTION	
Outer leaf	<input type="text"/> mm
Cavity width	<input type="text"/> mm
Inner leaf	<input type="text"/> mm

PLASTER KEY REQUIREMENTS	
Inside only	<input type="checkbox"/> please tick
Both sides	<input type="checkbox"/>
None	<input type="checkbox"/>

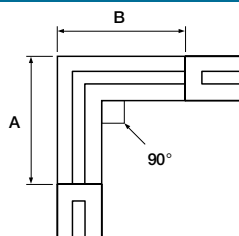
APEX LINTEL



CUSTOMER DETAILS	
Full Name	Company Name
<input type="text"/>	
Job reference/Site address	
<input type="text"/>	
<input type="text"/>	
Postcode	
<input type="text"/>	
Address	
<input type="text"/>	
<input type="text"/>	
Postcode	
<input type="text"/>	
Fax	Telephone
<input type="text"/>	<input type="text"/>
Email address	
<input type="text"/>	

Enquiries for Special lintels should be faxed to 01455 274564

CORNER LINTEL



LINTEL DIMENSIONS

Span (A)
mm

Span (B)
mm

WALL CONSTRUCTION

Outer leaf
mm

Cavity width
mm

Inner leaf
mm

PLASTER KEY REQUIREMENTS

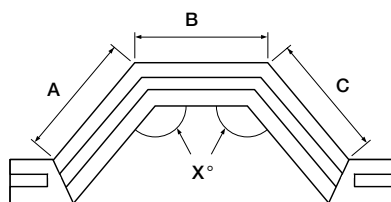
Inside only please tick

Both sides

None

Do not allow for bearing. This will be added at design stage

SPLAYED BAY LINTEL



LINTEL DIMENSIONS

Span (A)
mm

Span (B)
mm

Span (C)
mm

Angle (X)
°

WALL CONSTRUCTION

Outer leaf
mm

Cavity width
mm

Inner leaf
mm

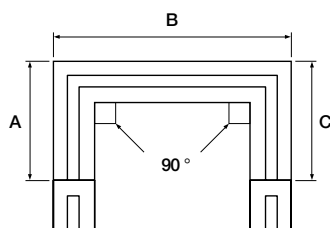
PLASTER KEY REQUIREMENTS

Inside only please tick

Both sides

None

SQUARE BAY LINTEL



LINTEL DIMENSIONS

Span (A)
mm

Span (B)
mm

Span (C)
mm

WALL CONSTRUCTION

Outer leaf
mm

Cavity width
mm

Inner leaf
mm

PLASTER KEY REQUIREMENTS

Inside only please tick

Both sides

None

Do not allow for bearing. This will be added at design stage

CUSTOMER DETAILS

Full Name		Company Name	
<input type="text"/>		<input type="text"/>	
Job reference/Site address			
<input type="text"/>			
<input type="text"/>		Postcode	<input type="text"/>
Address			
<input type="text"/>		<input type="text"/>	
<input type="text"/>		Postcode	<input type="text"/>
Fax		Telephone	
<input type="text"/>		<input type="text"/>	
Email address			
<input type="text"/>			

See additional installation notes on page 67.

PADSTONES

APPLICATION

Padstones are generally specified by engineers and architects to help spread heavy point loads across the block or brick walls.

COMPRESSIVE STRENGTH

Stressline padstones are manufactured in a variety of sections and lengths with a standard concrete strength of 50 N/mm². Other concrete strengths can be achieved on application. All rectangular padstones may be used in any orientation.

FINISHES

Stressline padstones are made from wet cast concrete in steel pan moulds providing a smooth finish.



Length (mm)	Height (mm)	Width (mm)	Weight (kg)	Pack Quantity
300	140	102	10	108
215	140	215	16	96
215	215	102	11	64
440	140	102	14	72
440	140	215	32	32
440	215	102	23	48
215	140	102	7	96
300	215	102	16	72
440	215	190	42	12
440	215	215	48	12
600	215	102	33	20
L Shaped 440/440	215	102	42	12
L Shaped 300/300	215	102	23	12



OTHER STRESSLINE PRODUCTS



BEAM & BLOCK FLOORING

- Prestressed Flooring
- 'I' Beam Design
- Various Sections
- End Slips
- Thermal flooring option available

**150 and 225 mm deep
beam options available**



PRECAST SECTIONS

- Stair Flights
- Landings
- Balconies

Design and installation service option available



HOLLOWCORE FLOORING

- Prestressed Concrete
- Spans in excess of 9m
- 150mm & 200mm

Design and installation service option available



CONCRETE FENCING AND WALLING PRODUCTS

- Slotted Posts
- Gravel Boards
- Support Posts
- Morticed and Recessed Posts
- Chain Link & Cranked Top Posts
- Screed Rails and Bollards
- Pier Caps
- Copings

Wet cast and light weight variants available

STANTON CAST STONE RANGE

Complementing our wide range of structural building products, Stressline has now introduced our high quality Stanton Cast Stone range, creating both off-the-shelf and bespoke orders at our manufacturing site in Leicestershire.

VAPOUR-CURED

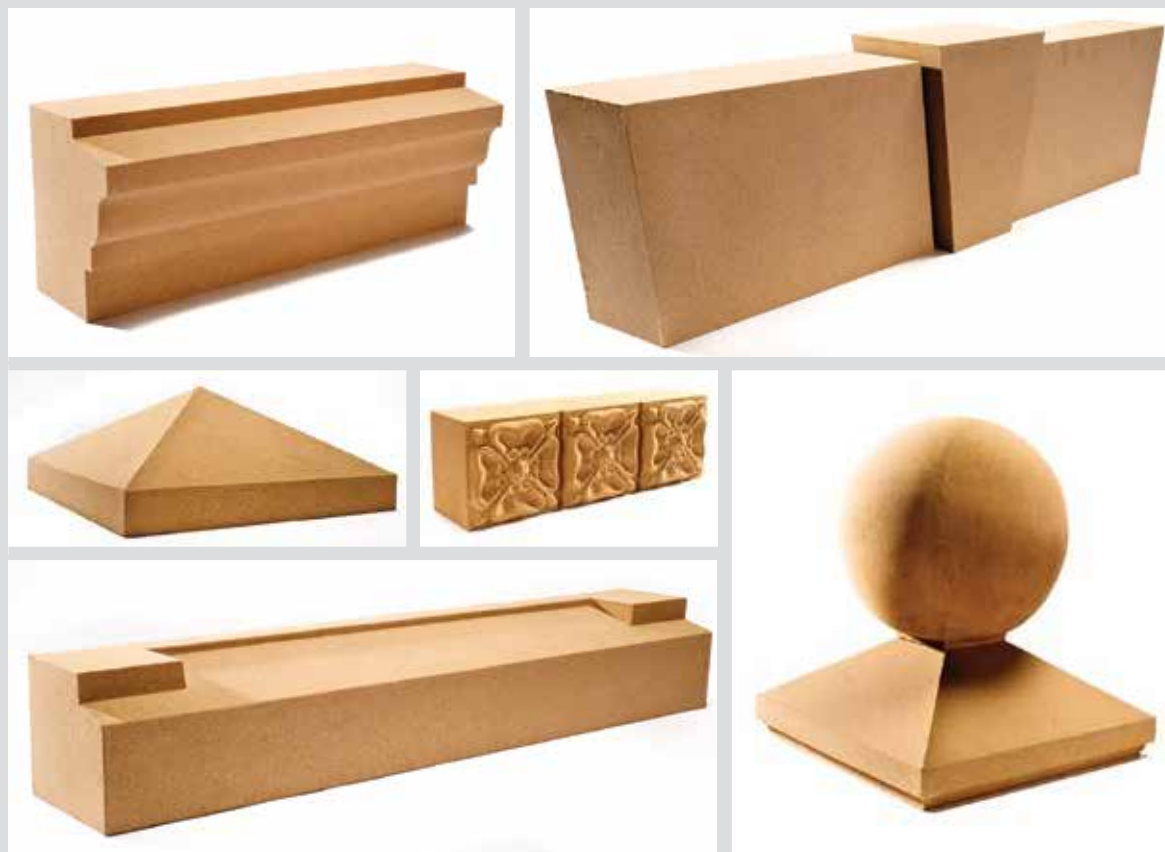
One of only a handful of cast stone suppliers to manufacture vapour-cured products, our advanced production process enables us to provide a faster turnaround on your orders with improved product service life and durability. And, of course, ordering all of your structural building products from a single, trusted supplier will help you save time and money too.

From standard cast stone features to one-of-a-kind architectural statements, our in-house cast stone manufacturing capabilities are backed by skilled craftsmen and a knowledgeable technical team, ensuring that we fulfil your specifications quickly, accurately and to the highest quality standards.

DELIVERING QUALITY

Deliveries of our Stanton Cast Stone products can be co-ordinated with our other structural building products arriving straight to site on the same vehicle. Trust Stressline for fuss-free procurement, simpler site management and a high quality, distinctive end result.

For more
information on our
Stanton Cast Stone
range please contact
Stressline on
01455 272457 or email
sales@stressline.net



CAST STONE



TECHNICAL – STEEL LINTELS

MATERIAL SPECIFICATION

Stressline standard galvanised steel lintels are manufactured from DX51D grade steel to BS EN 10346:2006, with a zinc coating type Z600, giving a minimum zinc coating of 600g/m² per two sides. All cut edges are treated with corrosion resistant paint. RS and RSC lintels are manufactured from structural steel plate of grade S275 to BS EN 10025-2: 2004.

INSULATION

Lintels used in external walls are fully insulated with expanded polystyrene, which has an Ozone Depletion Potential (ODP) and Global Warming Potential (GWP) of zero.



all relevant British Standards. We are continually assessed by the BSI to ensure our quality assurance systems comply with BS EN ISO 9001:2015.

QUALITY

Stressline products are manufactured to the highest quality, under strict control, and comply with

COSHH

Products are considered non-hazardous to health under normal use. Material data sheets are available from our technical department upon request.

STRUCTURAL PERFORMANCE

The loadings published in the load-span tables were achieved in accordance with BS EN 845-2:2013 and tested in accordance with BS EN 846-9:2016 stated figures represent the Total Serviceable Uniform Distributed Load (UDL) in kN.

'CXHD' and 'CH' type lintels have been tested compositely in accordance with BS EN 846-9:2016 with the surrounding masonry built in accordance with BS 5628. The structural performance of our lintels is supported by continuous in-house testing.

Load Ratios are always expressed as inner leaf to outer leaf:

- 1:1 – lintels supporting masonry only
- 3:1 – lintels supporting masonry and timber floors
- 5:1 – lintels supporting concrete floors
- 19:1 – lintels for eaves applications

RECOMMENDATIONS FOR INSTALLATION

- Minimum recommended bearing length is 150mm. The lintel should be bedded on mortar and levelled both along the lintel and across its width. Full bricks, blocks or padstones should be used as bearing areas. Do not bear lintels onto cut blocks!
- Prior to installation, the lintel should be examined carefully for any defects or signs of damage.

- All external wall lintels MUST be installed with a flexible damp proof course (DPC) or cavity tray. In the case of cavity walls the cavity tray should extend not less than 50mm beyond the cavity return.
- Inner and outer leaves supported by the lintels should be raised together to avoid excessive eccentricity of loading.
- Masonry must not overhang any flange by more than 25mm.
- Masonry above the lintel should be allowed to cure before applying floor or roof loads.
- Composite lintels (i.e. 'CXHD', 'CH' and 'RSC') should be adequately propped during construction, at maximum centres of 1.2 metres. The props should not be removed until the mortar has cured. Ensure that the composite part of the lintel (channel) is fully filled with well-jointed masonry and allowed to cure.

Additional recommendations for lintels supporting concrete floor units

- Check that the correct lintel has been installed.
- Avoid shock loading of lintels during the installation of concrete floor units and any sideways loading while being fitted into position. Precast flooring units should be laid on a mortar bed across the whole wall width and should not be dragged over supports.

If you are in doubt as to the structural performance or suitability of a lintel then please contact our Technical department before ordering/installation.



**If in doubt please contact
our technical department on**

01455 272457

or email

technical@stressline.net

The Stressline technical support desk offers free technical advice to stockists, engineers, architects, builders and private individuals from 8.00 a.m. to 5.00 p.m. Monday to Friday.

We offer a free scheduling service providing clear and concise schedules based on your working drawings (plans, elevations, sections, floor/roof layout, etc.). Structural calculations for local authority can be provided upon request to support our specification.

We can design and manufacture 'special' lintels to suit a variety of innovative opening shapes and cavity wall constructions. State of the art production facilities and design expertise enable us to take an architectural idea and turn it into a functioning product.

STRUCTURAL PERFORMANCE

Stressline prestressed concrete lintels are designed with a concrete strength of 50 N/mm² and utilizing strands to BS 5896:2012. Lintels are manufactured to BS EN 845-2:2013 tested to BS EN 846-9:2016, and loadings assessed as per BS 5977-1:1981. Materials used in the making of Stressline prestressed concrete lintels comply with BS EN 206-1:2000 and BS 8500.

Lintels offer a minimum of ½ hour fire resistance, which can be increased by additional protection (e.g. plasterboard).

The structural performance of our lintels is supported by continuous in-house testing.

IMPORTANT NOTES

Apart from 140 x 65 and 215 x 65 lintel sections all the other STANDARD lintels are reversible, which means that they can be turned either way around to suit the wall construction. Always check loadings against our load span tables.

In accordance with good practice, HIGH-STRENGTH and FAIR FACED lintels are marked TOP and this surface must be kept at uppermost all times.



QUALITY

Stressline products are manufactured under strict quality control and comply with all relevant

British Standards. We are continually assessed by the BSI to ensure our quality assurance systems comply with BS EN ISO 9001:2015.

COSHH

Products are considered non-hazardous to health under normal use. Material data sheets are available from our technical department upon request.

RECOMMENDATIONS FOR INSTALLATION

- The lintel should be bedded on mortar and levelled both along the lintel and across its width. Full bricks, blocks or padstones should be used as bearing areas. Do NOT bear lintels onto cut blocks!
- **Recommended minimum bearings are:**
 - 100mm both ends in structural openings up to 1000mm long
 - 150mm both ends in structural openings over 1000mm long

This does not discharge the installer's responsibility to ensure that the bearing pressures of the masonry are not exceeded. To overcome this, longer bearings may be required or additional padstones and spreaders could be provided under the bearings of the lintel.

- Prior to installation, the lintel should be examined carefully for any defects or signs of damage.
- All external wall lintels **MUST** be installed with a flexible damp proof course (DPC).
- Masonry must not overhang the lintel by more than 25mm.

LIFTING AND STACKING

- When using mechanical plant, only 1 layer of units should be lifted at a time and supported at or near ends.
- Units should be handled carefully as they will not withstand heavy blows, dropping or reverse bending.
- Lifting should be carried out with regard to weather conditions, particularly wind, adequate lifting capacity and lengths of chains.
- No lifting should be carried out over work areas.
- Load weight should be checked prior to lifting.
- Stacking should be the right way up on suitable firm, level ground.
- The bearers should be near to the ends and vertically over each other.

Additional recommendations for lintels supporting concrete floor units

- Check that the correct lintel has been installed.
- Recommended minimum lintel depth is 140mm
- Avoid shock loading of lintels during the installation of concrete floor units and any sideways loading while being fitted into position. Precast flooring units should be laid on a mortar bed across the whole wall width and should not be dragged over supports.

If you are in doubt as to the structural performance or suitability of a lintel then please contact our Technical department before ordering/installation.



If in doubt please contact our technical department on

01455 272457

or email

technical@stressline.net

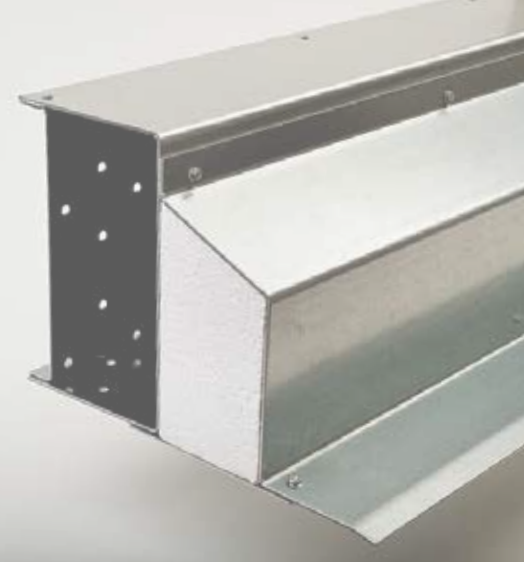
Stressline Technical support desk offers free technical advice to stockists, engineers, architects, builders and private individuals from 8.00 a.m. to 5.00 p.m Monday to Friday.

We offer free, clear and concise scheduling service based on your working drawings (plans, elevations, sections, floor/roof layout, etc.). If required, we can schedule and deliver lintels in house plots with an easy referencing system to ensure that the correct lintel is used in the chosen location. Structural calculations for local authority can be provided upon request to support our specification.



NOTES







CONTACT US

For more information on
our Lintel range contact
our sales team now:

01455 270300

email:

technical@stressline.net

marketing@stressline.net

sales@stressline.net



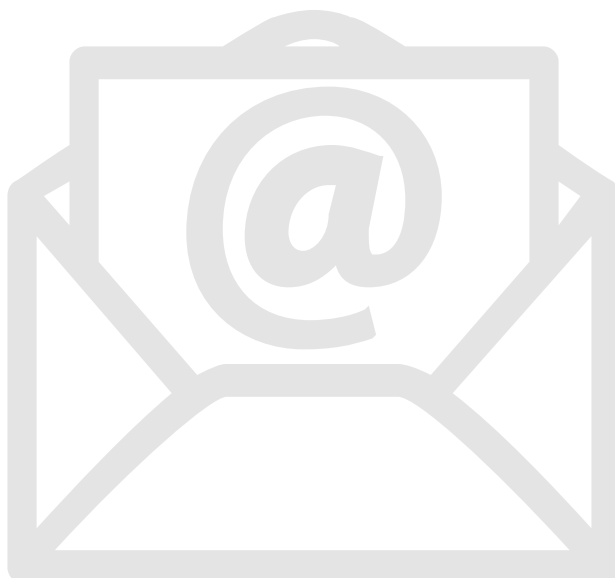
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The information contained in this brochure was accurate at the date of publication. We reserve the right to introduce, at any time, modifications and changes of details that may be deemed necessary. April 2019.