



# 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)

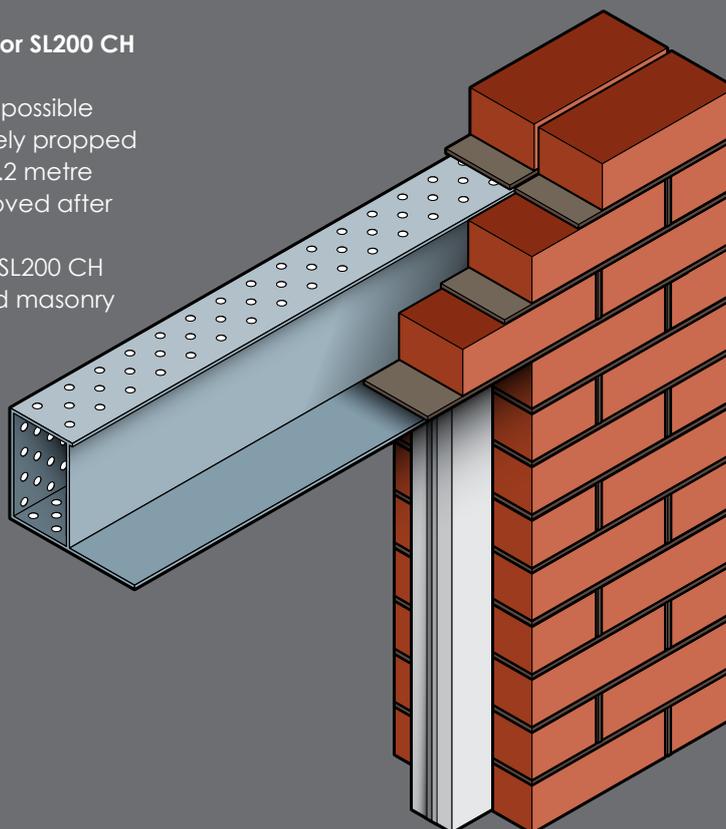
RM – Resistance Moment (Serviceable)

SWL – Safe Working Load



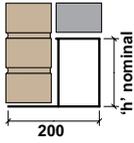
If in doubt please contact our technical department on

01455 272457



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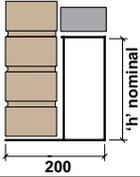
**SL200 BOX**



Standard Duty

STANDARD LENGTHS (mm)	600	2250	2850	3150	3450	4050	4500	4950
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	2100	2700	3000	3300	3900	4350	4800	5100
Weights (kg/m)	150	150	225	225	225	225	225	225
SWL 19:1 (kN)	9.9	14.8	18.4	18.4	18.4	18.4	18.4	18.4
RM (kNm)	37	29	52	47	40	35	32	29
	6.4	9.2	18.5	18.5	18.5	18.5	18.5	18.5

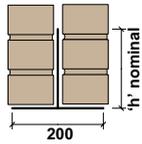
**SL200 BOX HD**



Heavy Duty

STANDARD LENGTHS (mm)	600	1650	1950					
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	1500	1800	2700					
Weights (kg/m)	150	225	225					
SWL 19:1 (kN)	14.8	18.4	18.4					
RM (kNm)	55	65	58					
	9.2	18.5	18.5					

**SL200 'T'**

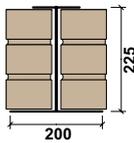


Standard Duty

STANDARD LENGTHS (mm)	600	1500	1950	2850				
Lintels are available in increments of 150mm								
Nominal Height "h" (mm)	1350	1800	2700	3000				
Weights (kg/m)	75	95	175	175				
SWL 1:1 (kN)	7.7	8.7	12.5	12.5				
RM (kNm)	12	12	24	22				
	1.9	2.5	4.2	4.2				

See additional installation requirements on page 47.

**SL200 CH**



Heavy Duty

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

See additional installation requirements on page 47.

