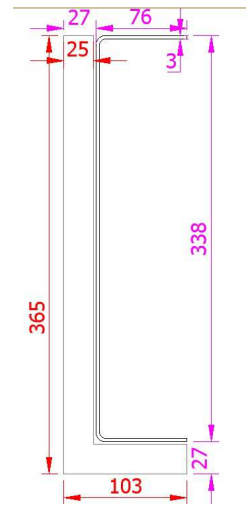
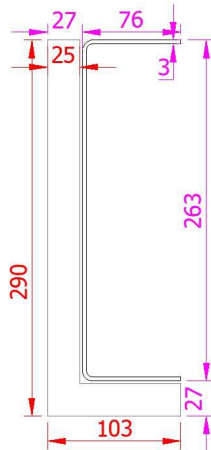
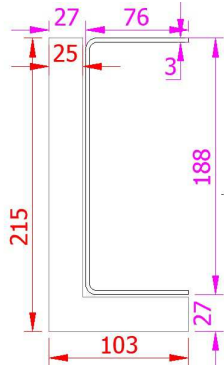


Brick slip lintels

C Section range load tables

Section at span:



C 215 / 3

Lintel section properties

Ixx	523.7	cm ⁴
Zxx	65.2	cm ³
Weight	7.9	kg/m
Area	9.8	cm ²
Ryy	2.33	cm

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Lintel section properties

Ixx	1161.2	cm ⁴
Zxx	106.2	cm ³
Weight	9.7	kg/m
Area	12.1	cm ²
Ryy	2.20	cm

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Lintel section properties

Ixx	2138.3	cm ⁴
Zxx	155.7	cm ³
Weight	11.5	kg/m
Area	14.3	cm ²
Ryy	2.08	cm

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	30.0
750	1050	30.0
900	1200	30.0
1050	1350	30.0
1200	1500	30.0
1350	1650	30.0
1500	1800	30.0
1650	1950	30.0
1800	2100	27.5
1950	2250	24.3
2100	2400	20.4
2250	2550	18.8
2400	2700	16.4
2550	2850	14.1
2700	3000	11.0

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	40.0
750	1050	40.0
900	1200	40.0
1050	1350	40.0
1200	1500	40.0
1350	1650	40.0
1500	1800	40.0
1650	1950	40.0
1800	2100	40.0
1950	2250	40.0
2100	2400	35.7
2250	2550	30.1
2400	2700	26.9
2550	2850	21.9
2700	3000	19.0

Lintel load Capacity Table

Opening Span	Lintel Length	Safe Load kN
600	900	50.0
750	1050	50.0
900	1200	50.0
1050	1350	50.0
1200	1500	50.0
1350	1650	50.0
1500	1800	50.0
1650	1950	50.0
1800	2100	50.0
1950	2250	50.0
2100	2400	50.0
2250	2550	50.0
2400	2700	42.5
2550	2850	31.6
2700	3000	25.0

The section provides a bearing on the bottom flange with second bearing at the "foot".

Default material stainless steel SS370 (EN 1.4003) also available in stainless steel LDX2101 (EN 1.4162) or S250GD + Z600.

The safe working load SWL represent the maximum factored load uniform distributed load the lintel can carry. 102.5 mm width brickwork is taken as 2.2 ken/m².

Bearings; min 150mm each side, for high loads longer bearings may be needed, and bearing stresses should be checked