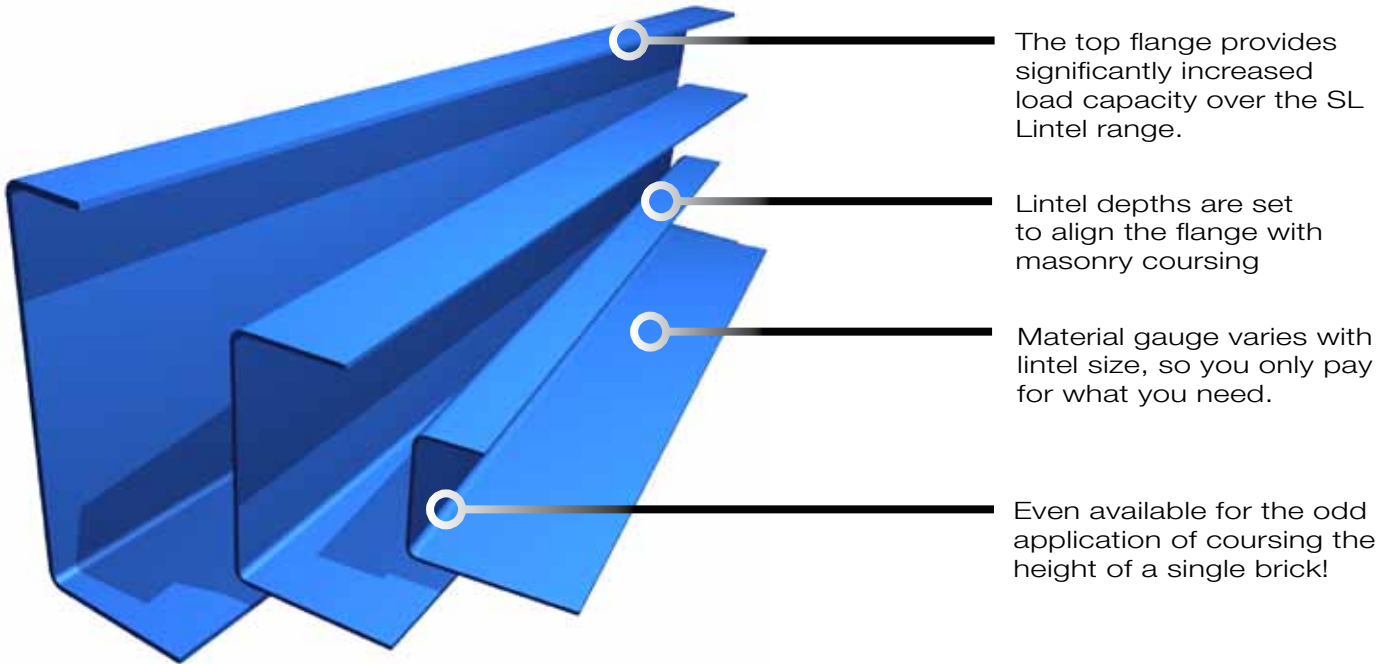


SC Lintel Range



The top flange provides significantly increased load capacity over the SL Lintel range.

Lintel depths are set to align the flange with masonry coursing

Material gauge varies with lintel size, so you only pay for what you need.

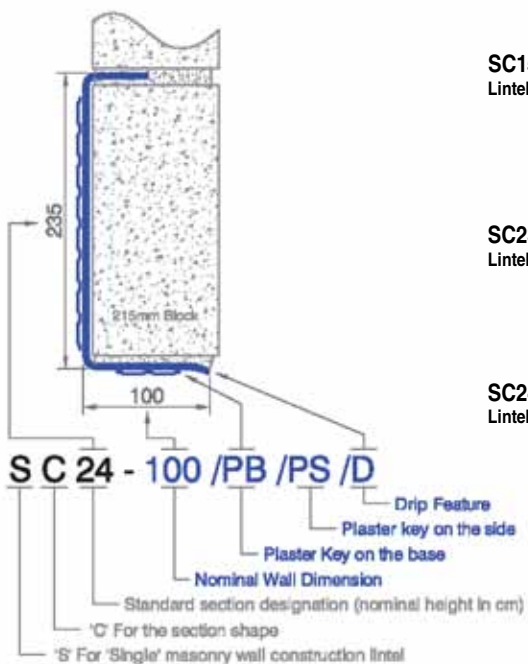
Even available for the odd application of coursing the height of a single brick!

SC lintels are economic masonry support channels suitable for many applications and manufactured standard in LDX 2101® Stainless Steel.

We also manufacture a range of standard structural sections from LDX 2101®, including standard C-sections - see page 76

Standard SC Lintels & Technical Information

	Nominal Wall	SPECIFY	Width (mm)	Height (mm)	Top (mm)	Gauge (mm)	Mass (kg/m)	J (mm ⁴)	Ixx (cm ⁴)	Zxx (cm ³)
SC8 Lintels	75mm	SC8-75	75	80	47	2.0	3.0	591	41.55	9.03
	90mm	SC8-90	90	80	32	2.0	3.0	585	36.54	7.03
	100mm	SC8-100	100	80	40	2.0	3.3	645	43.17	8.46
	115mm	SC8-115	115	80	25	2.0	3.3	648	36.96	6.60
SC15 Lintels	75mm	SC15-75	75	154	63	3.0	6.5	2,883	306.3	38.29
	90mm	SC15-90	90	154	77	3.0	7.2	3,175	355.9	44.49
	100mm	SC15-100	100	154	67	3.0	7.2	3,175	350.8	41.27
	115mm	SC15-115	115	154	53	3.0	7.2	3,185	337.4	36.67
	125mm	SC15-125	125	154	43	3.0	7.2	3,185	321.5	33.14
SC23 Lintels	90mm	SC23-90	90	232	59	3.0	8.6	3,780	842.0	66.83
	100mm	SC23-100	100	232	49	3.0	8.6	3,780	824.5	62.47
	115mm	SC23-115	115	232	35	3.0	8.6	3,790	788.2	55.90
	125mm	SC23-125	125	232	65	3.0	9.5	4,193	979.0	73.61
SC24 Lintels	140mm	SC23-140	140	232	50	3.0	9.5	4,193	935.9	66.37
	100mm	SC24-100	100	235	51	4.0	11.5	9,032	1,130	84.98
	115mm	SC24-115	115	235	36	4.0	11.5	9,032	1,075	75.73
	125mm	SC24-125	125	235	66	4.0	12.8	9,987	1,333	99.49
	140mm	SC24-140	140	235	51	4.0	12.8	9,987	1,276	89.85



< HOW TO SPECIFY OPTIONS FOR SC LINTELS

SC Lintels can be made to any width within those listed. They are normally manufactured without a drip feature for internal use, but a drip feature, alternate widths, and also plaster key on the side and/or base can be specified as options.

An example is shown left - the blue items can be varied!

Extras such as bolted connections, feature brick, curves & corners can all be accommodated - all standard in LDX2101® Stainless Steel. Call 01206 79 2001 to discuss or visit www.stainless-lintels.co.uk

SC Lintel range



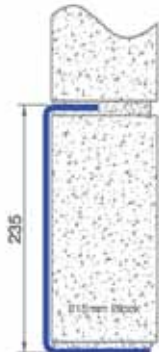
SC8



SC15



SC23



SC24

Allowable Load (kN) for UNRESTRAINED SC Lintels

Opening Span (mm)	Lintel std length (mm)	SC8	SC15	SC23	SC24	Load Example (refer pg 85)
600	900	3.5	10.0	13.1	28.0	masonry & timber floor
750	1050	2.4	10.0	12.2	28.0	
900	1200	1.8	7.5	9.0	21.4	
1050	1350	1.4	5.7	6.9	16.4	
1200	1500		4.5	5.4	13.0	
1350	1650		3.7	4.4	10.5	
1500	1800		3.0	3.6	8.7	
1650	1950		2.5	3.1	7.3	full height masonry
1800	2100		2.2	2.6	6.2	
1950	2250			2.2	5.4	440mm of masonry
2100	2400			2.0	4.7	
2250	2550				4.1	
2400	2700				3.6	
2550	2850				3.2	
2700	3000				2.9	
Max. Moment (kN.m):		1.96	6.62	10.50	14.90	
Max. Point Load (kN):		1.15	3.33	4.35	9.33	

'Unrestrained' figures represent load limits within which twisting of the lintel will not be a problem, even if the lintel is not propped during construction. Applications without a listed load are not recommended.

LDX 2101®;
2.3x stronger than 304,
more corrosion resistant,
and lighter than 304!

LOADING NOTES*:

'**Restrained**' refers to applications where the lintel is effectively restrained against both twisting and lateral movement at regular intervals along its length, e.g. supporting floor joists which are fixed to the lintel, or well built into masonry.

'**Unrestrained**' refers to all other applications; typically supporting outer leaf masonry or similar.

Allowable Load (kN) for RESTRAINED SC Lintels

Opening Span (mm)	Lintel std length (mm)	SC8	SC15	SC23	SC24	Load Example (refer pg 85)
600	900	13.3	20.0	30.0	48.0	masonry & concrete floor
750	1050	13.3	20.0	30.0	48.0	
900	1200	12.0	20.0	30.0	48.0	
1050	1350	10.5	20.0	30.0	48.0	
1200	1500	8.7	20.0	30.0	48.0	
1350	1650	6.8	20.0	30.0	48.0	
1500	1800	5.5	20.0	30.0	48.0	
1650	1950	4.6	20.0	30.0	48.0	440mm of masonry & tiled roof
1800	2100	3.8	20.0	30.0	48.0	
1950	2250	3.3	20.0	30.0	45.5	masonry & timber floor
2100	2400	2.8	18.8	29.9	42.5	
2250	2550		17.7	28.0	39.8	
2400	2700		16.6	26.4	37.5	
2550	2850		15.7	24.9	35.4	
2700	3000		14.3	23.6	33.5	
2850	3150		12.9	22.4	31.9	
3000	3300		11.6	21.3	30.3	full height masonry
3150	3450		10.5	20.4	29.0	
3300	3600		9.6	19.5	27.7	
3450	3750		8.8	18.7	26.5	
3600	3900		8.1	17.9	25.5	
3750	4050		7.4	17.2	24.5	
3900	4200		6.9	16.6	23.6	
4050	4350		6.4	16.0	22.4	440mm of masonry
4200	4500		5.9	15.3	20.8	
4350	4650			14.2	19.4	
4500	4800			13.3	18.1	
Max. Moment (kN.m):		1.96	6.62	10.50	14.90	
Max. Point Load (kN):		3.32	5.00	7.50	12.00	

OTHER NOTES:

Lighter gauge SC sections may occasionally be manufactured from heavier gauge steel depending on material availability, however load capacity remains unaffected - please advise if weight is important.

For installation guide, see page 79