

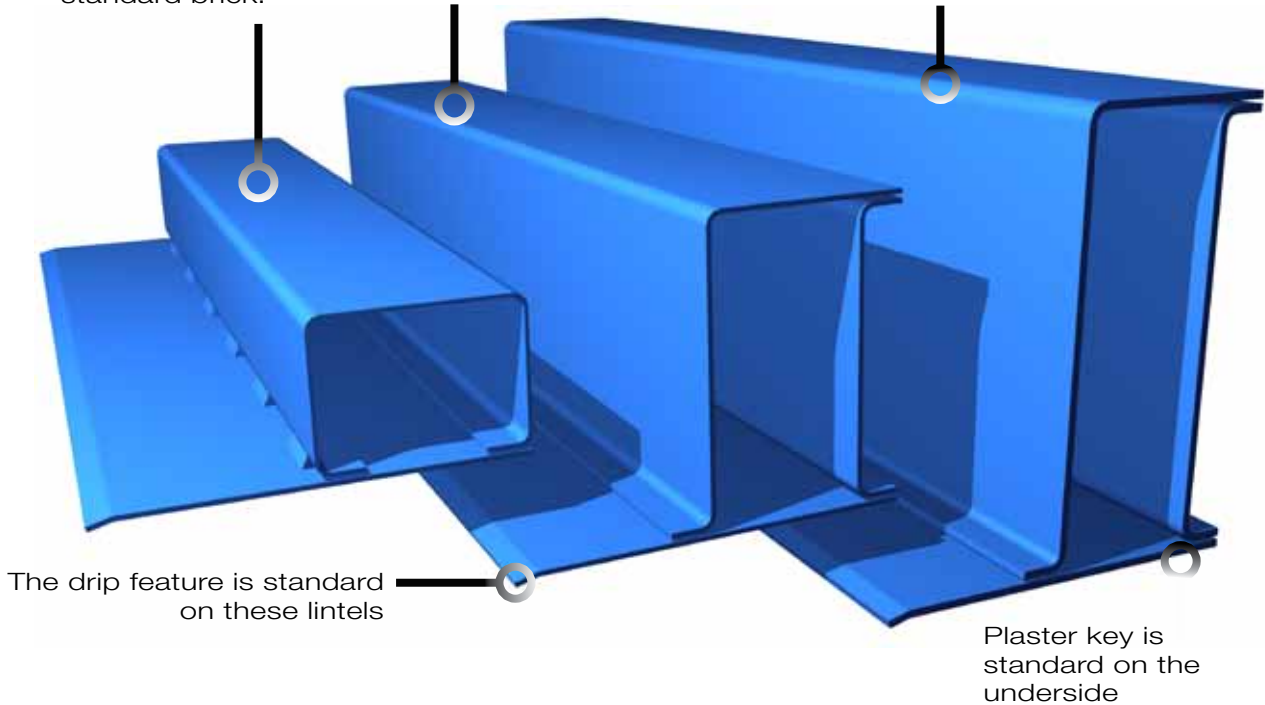
Box Lintels for double walls

DB Lintel Range

The BD7 box is the height and width of a standard brick!

The DB15 conveniently courses with brickwork

The DB22 & DB23 course with standard 215mm lockwork

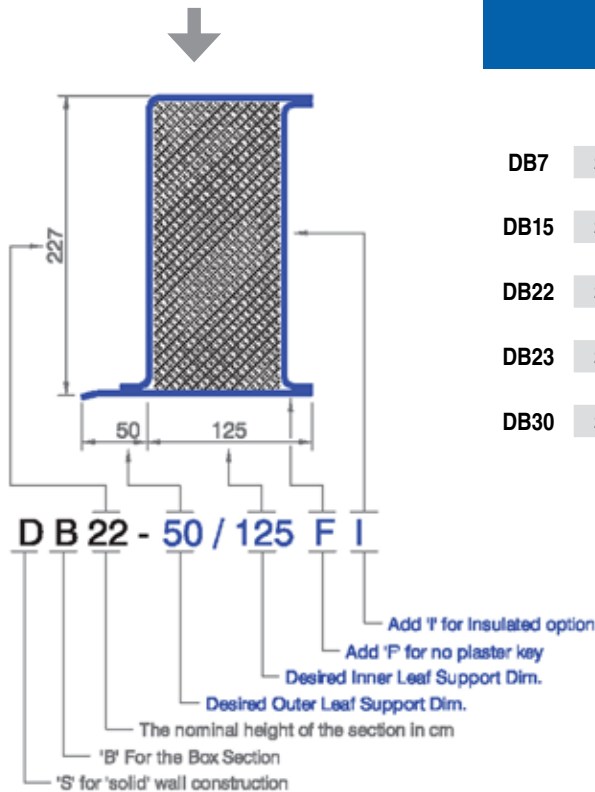


The drip feature is standard on these lintels

Plaster key is standard on the underside

Double Wall Box lintels are designed to have all the advantages of a box section, but allow for full face masonry on one side.

OPTIONS FOR DB LINTELS



Standard Lintels & Technical Information

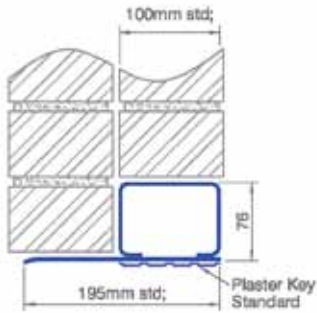
	Nominal Wall (mm)	SPECIFY	INNER (mm)	OUTER (mm)	Height (mm)	Gauge (mm)	Mass (kg/m)	I _{xx} (cm ⁴)	Z _{xx} (cm ³)
DB7	200-225mm	DB7-100/100	100	95	76	2.0	8.0	94.00	18.43
DB15	200-225mm	DB15-100/100	100	95	150	2.0	9.9	455.8	51.80
DB22	200-225mm	DB22-100/100	100	95	225	3.0	18.2	1,724	133.6
DB23	200-225mm	DB23-100/100	100	95	225	4.0	24.0	2,256	174.9
DB30	200-225mm	DB30-100/100	100	95	300	4.0	28.7	4,516	268.8

Because there are so many possibilities with this lintel configuration, only a few standard lintels are listed. Other options (same load capacity!) include:

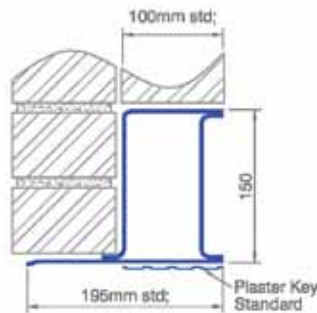
- For Rockwool insulation add “/I”
- For a flat base (i.e. no plaster key) add “/F”
- For plaster key on the inside add “/P”
- The inner and outer leaf dimensions can be varied to suit cant or wide outer applications
- Even a stepped outer is possible; example: add “/S20” for a 20mm step!

Many variations are possible, including bolted connections & other specially fabricated features - All standard in LDX2101® Stainless Steel. Call 01206 79 2001 to discuss or visit www.stainless-lintels.co.uk

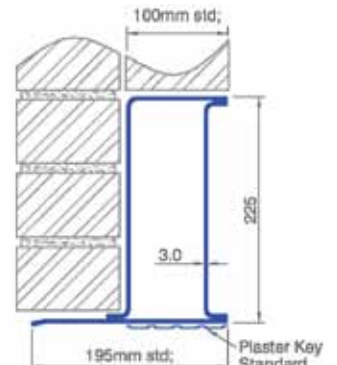
DB Lintel Range



DB7



DB15



DB22

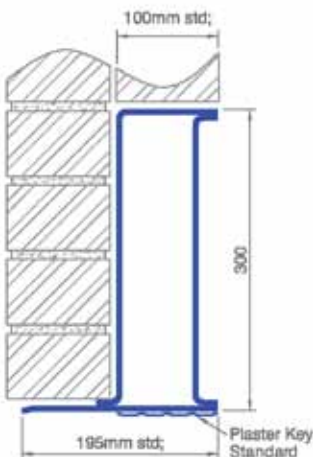
Not sure of your exact load ... ? Use the shading on the table as a guide:

Allowable evenly distributed Load (kN) for DB Lintels

Opening Span (mm)	Lintel std length (mm)	DB7	DB15	DB22	DB23	DB30	Loading Example (refer pg 85)
600	900	23.6	66.6	90.0	142.1	153.3	
750	1050	23.6	66.6	90.0	142.1	153.3	
900	1200	23.6	66.6	90.0	142.1	153.3	
1050	1350	23.6	66.6	90.0	142.1	153.3	
1200	1500	20.9	66.6	90.0	142.1	153.3	
1350	1650	16.5	66.6	90.0	142.1	153.3	
1500	1800	13.4	66.6	90.0	142.1	153.3	
1650	1950	11.0	66.6	90.0	142.1	153.3	
1800	2100	9.3	60.0	90.0	142.1	153.3	masonry & concrete floor or masonry & tiled roof
1950	2250	7.9	51.1	90.0	142.1	153.3	
2100	2400	6.8	44.1	90.0	132.6	153.3	
2250	2550	5.9	38.4	90.0	124.3	153.3	
2400	2700		33.8	84.7	117.0	153.3	
2550	2850		29.9	80.0	110.5	153.3	
2700	3000		26.7	75.8	104.7	153.3	
2850	3150		23.9	72.0	99.4	145.6	
3000	3300		21.6	68.6	94.7	138.7	
3150	3450		19.6	65.5	90.4	132.4	
3300	3600		17.9	62.6	86.5	126.6	
3450	3750		16.3	60.0	80.9	121.4	
3600	3900		15.0	56.8	74.3	116.5	
3750	4050			52.3	68.4	112.0	
3900	4200			48.4	63.3	107.9	
4050	4350			44.8	58.7	104.0	
4200	4500			41.7	54.6	100.4	masonry & timber floor
4350	4650	(applications without a load shown are not recommended)		38.9	50.9	97.1	
4500	4800			36.3	47.5	94.0	
							full height of masonry
							440mm of masonry
Permissible Moment (kN.m):		11.3	21.3	34.6	47.0	66.2	
Permissible Point Load (kN):		4.73	13.3	18.0	28.4	30.7	



DB23



DB30

LOADING NOTES: No more than 1/2 of the total load should be applied directly on the outer leaf. Propping during construction is generally not required; It is the responsibility of the specifier to ensure adequate bearing length at either end. Boxes may be produced in heavier gauge than shown depending on material availability, or on request

For installation guide see page 80