

# Outer leaf support for framed buildings

## OL Lintel Range

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

Drip feature is standard

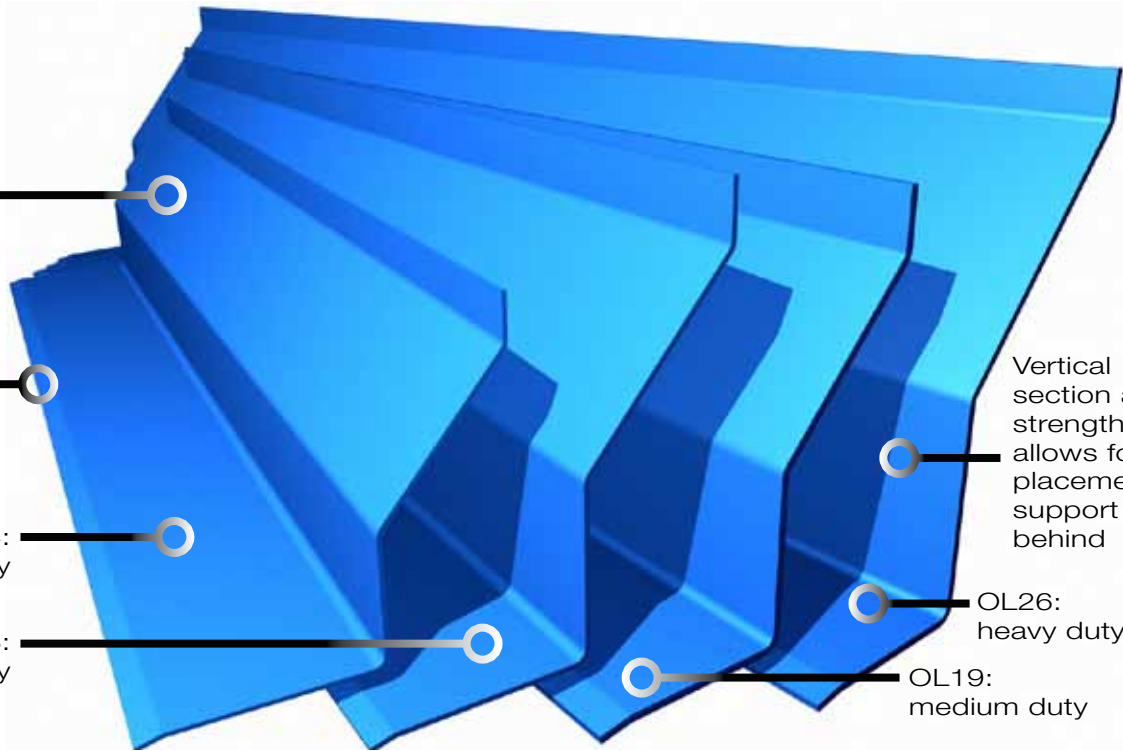
OL14: light duty

OL18: standard duty

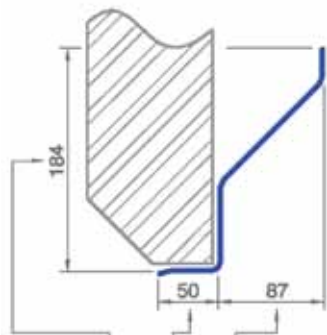
Vertical section adds strength and allows for placement of support block behind

OL26: heavy duty

OL19: medium duty



'OL lintels provide an easy solution to outer leaf support for timber or steel frame construction applications'



**OL 18 - 50 / 90**

Nominal Cavity Size  
Required Nominal Outer Leaf  
Section designation (nominal height in cm)  
Form designation; 'L' for the Section Shape  
Application designation; 'O' for 'Outer Leaf' (i.e. with cavity)

### Standard Lintels & Technical Information

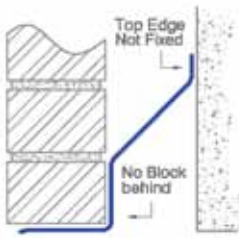
	Nominal Cavity	SPECIFY (standard)	WIDTH (mm)	HEIGHT (mm)	Web (mm)	Gauge (mm)	Mass (kg/m)	J (mm <sup>4</sup> )	I <sub>xx</sub> (cm <sup>4</sup> )	Z <sub>xx</sub> (cm <sup>3</sup> )
<b>OL14 Lintels</b>	50mm	OL14-100/50	142	151	60	2.0	4.0	780.0	128.2	12.68
	60mm	OL14-100/60	152	147	59	2.0	4.0	780.0	121.8	12.43
	75mm	OL14-100/75	167	157	60	2.0	4.3	839.0	146.8	14.25
	90mm	OL14-100/90	182	141	56	2.0	4.3	833.0	116.8	12.84
	100mm	OL14-100/100	192	131	56	2.0	4.3	836.0	102.7	12.23
<b>OL18 Lintels</b>	50mm	OL18-100/50	142	208	88	2.5	6.0	1,820	369.9	27.81
	60mm	OL18-100/60	152	204	88	2.5	6.0	1,832	357.2	27.48
	75mm	OL18-100/75	167	194	83	2.5	6.0	1,838	320.1	26.03
	90mm	OL18-100/90	182	184	73	2.5	6.0	1,832	284.7	24.55
	100mm	OL18-100/100	192	175	73	2.5	6.0	1,838	259.0	23.54
<b>OL19 Lintels</b>	50mm	OL19-100/50	142	208	93	4.0	9.7	7,550	608.3	46.08
	60mm	OL19-100/60	152	204	92	4.0	9.7	7,574	587.6	45.55
	75mm	OL19-100/75	167	194	76	4.0	9.7	7,335	526.2	43.13
	90mm	OL19-100/90	182	184	76	4.0	9.7	7,574	474.3	41.61
	100mm	OL19-100/100	192	175	76	4.0	9.7	7,598	433.2	40.11
<b>OL26 Lintels</b>	50mm	OL26-100/50	142	273	126	4.0	11.5	8,984	1,200	71.01
	60mm	OL26-100/60	152	269	122	4.0	11.5	8,984	1,167	70.30
	75mm	OL26-100/75	167	263	116	4.0	11.5	9,008	1,114	69.19
	90mm	OL26-100/90	182	256	113	4.0	11.5	9,008	1,055	67.63
	100mm	OL26-100/100	192	248	113	4.0	11.5	9,008	995.3	66.35

### OPTIONS FOR OL LINTELS

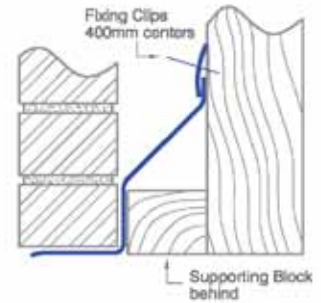
Both the leaf support width (which is 95mm as standard) and the cavity width can be customised to suit your particular application. Although not shown above, cavity sizes over 100mm are readily manufactured - please don't hesitate to contact us for assistance.

These lintels are designed specifically for manufacture in LDX2101® Stainless Steel. We have a separate range designed for manufacture in mild & 304 stainless steel. Visit [www.lintels.co.uk](http://www.lintels.co.uk) for details.

# OL Lintel Range



We recognise that when installing this type of lintel it is not always practical to fix retaining clips and supporting blocks as other manufacturers require (shown right). So we provide two load tables, one where the lintel is restrained (as shown right) and one for when the lintel is simply supported under either end only (left). So now you can safely use these lintels without the fiddly supporting items if you like!



**Unrestrained Application**

**Restrained Application**

**Allowable Load (kN) for UNRESTRAINED OL Lintels**

Opening Span (mm)	Lintel std length (mm)	OL14	OL18	OL19	OL26	Load Example (refer pg 85)
600	900	5.0	13.7	26.0	40.0	
750	1050	4.9	13.7	26.0	40.0	Tiled Roof & 440mm of masonry
900	1200	3.6	13.7	26.0	40.0	
1050	1350	2.8	10.5	25.9	31.7	
1200	1500	2.2	8.3	20.4	25.0	
1350	1650	1.8	6.7	16.6	20.3	
1500	1800		5.5	13.7	16.8	
1650	1950		4.7	11.5	14.1	
1800	2100		4.0	9.8	12.0	
1950	2250		3.4	8.4	10.3	full height masonry
2100	2400		3.0	7.4	9.0	
2250	2550			6.5	7.9	
2400	2700			5.7	7.0	
2550	2850			5.1	6.3	
2700	3000			4.6	5.6	
2850	3150				5.1	440mm of masonry
3000	3300				4.6	
Permissible Moment (kN.m):		2.31	5.62	8.02	13.0	
Permissible Point Load (kN):		0.83	2.28	4.33	6.67	

**Allowable Load (kN) for RESTRAINED OL Lintels**

Opening Span (mm)	Lintel std length (mm)	OL14	OL18	OL19	OL26	Load Example (refer pg 85)
600	900	10.0	20.0	38.0	61.0	
750	1050	10.0	20.0	38.0	61.0	
900	1200	10.0	20.0	38.0	61.0	
1050	1350	10.0	20.0	38.0	61.0	
1200	1500	10.0	20.0	38.0	61.0	440mm of masonry & tiled roof
1350	1650	9.9	20.0	34.2	55.4	
1500	1800	9.0	20.0	31.1	50.3	
1650	1950	8.2	20.0	28.5	46.1	
1800	2100	7.6	18.4	26.3	42.6	
1950	2250	7.1	17.1	24.4	39.5	
2100	2400	6.6	16.0	22.8	36.9	
2250	2550	6.2	15.0	21.4	34.6	
2400	2700	5.8	14.1	20.1	32.6	
2550	2850	5.4	13.3	19.0	30.8	
2700	3000	4.8	12.6	18.0	29.1	
2850	3150	4.3	12.0	17.1	27.7	
3000	3300		11.4	16.3	26.4	full height masonry
3150	3450		10.8	14.9	25.2	
3300	3600		9.9	13.6	24.1	
3450	3750		9.0	12.4	23.1	
3600	3900		8.3	11.4	22.1	
3750	4050		7.6	10.5	21.3	
3900	4200			9.7	20.5	
4050	4350			9.0	19.8	
4200	4500			8.4	19.1	
4350	4650				18.0	440mm of masonry
4500	4800				16.8	
Permissible Moment (kN.m):		2.31	5.62	8.02	13.0	
Permissible Point Load (kN):		2.00	3.99	7.60	12.2	

**LOADING NOTES:**

'Restrained' refers to the lintel being fixed at regular intervals along the top edge, and also having a support behind the web so that it is effectively prevented from twisting. Note that this transfers some load into the frame behind.

**MANUFACTURING NOTES**

OL sections may occasionally be manufactured from heavier gauge material than listed depending on material availability, load capacity remains unaffected (please advise if weight is important) Intermediate lengths are also possible!

**LDX 2101®**

More corrosion resistant than 304, and 2.3x as strong...

...ideal for external walls