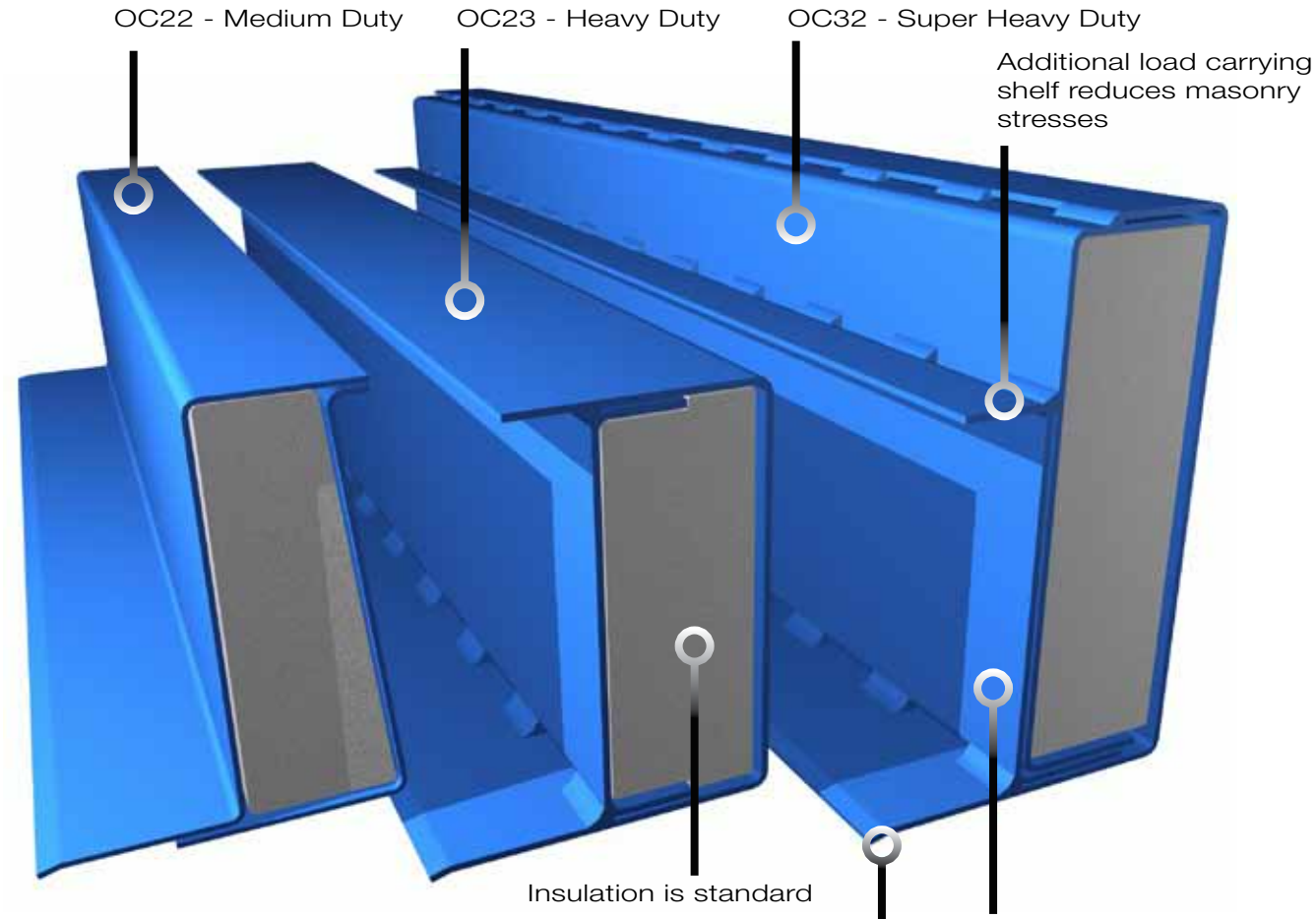
Heavy duty outer leaf support

OC Lintel Range



OC lintels provide a unique, heavy duty solution to supporting outer leaf masonry and closing the cavity, they are specifically designed to resist twisting'

LDX 2101® - if a DPC is required anyway, why not use a cheaper material?

Because:

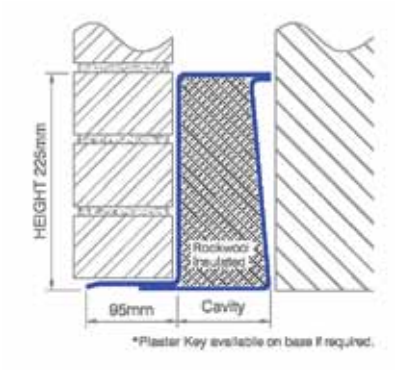
- The soffit usually remains exposed to the weather
- Weld quality is not compromised by the zinc coating
- A DPC is intended to prevent damp ingress into the building, but the lintel is still exposed!
- LDX 2101® is 74% stronger than S275JR steel!
- But has better corrosion resistance than 304 stainless steel!
- Welding does not compromise the corrosion resistance!

Standard OC Lintels & Technical Information

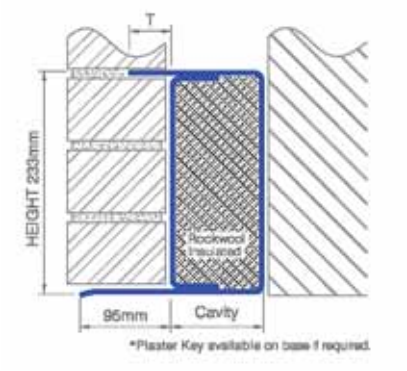
	Nominal Cavity	SPECIFY (standard)	WIDTH (mm)	HEIGHT (mm)	Cavity (mm)	T (mm)	Gauge (mm)	Mass (kg/m)	J (cm4)	Ixx (cm4)	Zxx (cm3)
OC22 Lintels	75mm	OC22-100/75	167	225	72	-	3.0	17.7	359.5	1,670	135.8
	90mm	OC22-100/90	180	225	85	-	3.0	17.3	518.9	1,570	122.6
	100mm	OC22-100/100	192	225	97	-	3.0	18.0	676.6	1,680	130.3
	115mm	OC22-100/115	205	225	110	-	3.0	18.3	863.6	1,744	111.1
	125mm	OC22-100/125	215	225	120	-	3.0	18.7	1,018	1,819	144.4
OC23 Lintels	75mm	OC23-100/75	167	233	72	53	4.0	27.4	659.8	2,933	240.4
	90mm	OC23-100/90	180	233	85	37	4.0	27.1	894.0	2,919	235.4
	100mm	OC23-100/100	192	233	97	43	4.0	26.7	1,134	2,875	233.7
	115mm	OC23-100/115	205	233	110	42	4.0	27.5	1,411	3,010	244.7
	125mm	OC23-100/125	215	233	120	42	4.0	28.1	1,642	3,116	253.3
OC32 Lintels	90mm	OC32-100/90	180	320	85	54	4.0	46.4	1,598	7,667	453.7
	100mm	OC32-100/100	192	320	97	54	4.0	48.3	1,985	8,238	487.5
	115mm	OC32-100/115	205	320	110	54	4.0	48.6	2,577	8,335	487.4
	125mm	OC32-100/125	215	320	120	54	4.0	48.5	3,078	8,296	479.6

Although standard in LDX2101®, we can produce these lintels in SS370 or 304 stainless steels, or even in galvanised steel! (load capacity may be reduced). Call 01206 79 2001 to discuss or visit www.stainless-lintels.co.uk

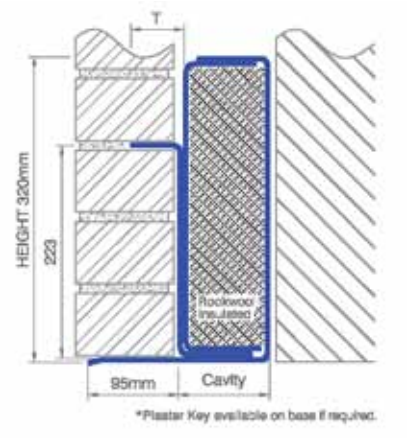
OC Lintel Range



OC22



OC23



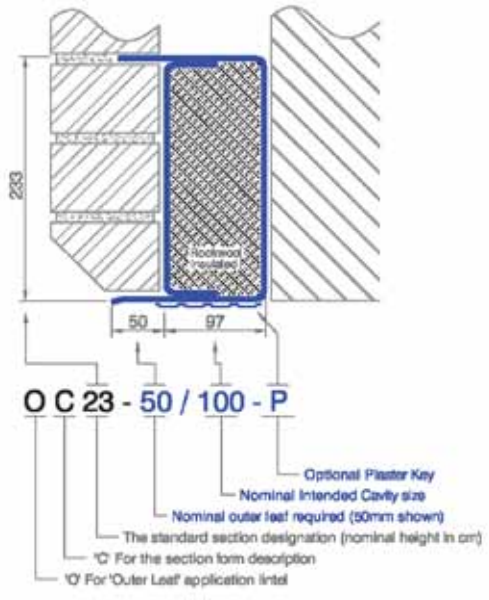
OC32

Installation Notes

- All the OC lintels should be installed with a separate DPC when used in external walls with a dry inner leaf
- OC lintels must be installed against a laterally restrained inner leaf or frame, as shown above
- Supported masonry must be laterally re-strained as per BS 5628-3
- OC Lintels often require bearings longer than 150mm to reduce masonry bearing stresses.

OPTIONS

These Lintels are available with different outer leaf dimensions and also plaster key on the under side if required.
Note that lintels with outer leaf dimensions >120mm may have reduced load carrying capacity.



Allowable Load (kN) for OC Lintels

Opening Span (mm)	Lintel std. length (mm)	OC22	OC23	OC32	Loading Example (refer pg 85)
600	900	35.3	83.6	164.5	masonry & a typical concrete floor
750	1050	42.3	87.2	164.5	
900	1200	49.4	87.2	164.5	
1050	1350	50.2	87.2	164.5	
1200	1500	50.2	87.2	164.5	
1350	1650	50.2	87.2	164.5	
1500	1800	50.2	87.2	164.5	
1650	1950	50.2	87.2	164.5	
1800	2100	50.2	87.2	164.5	
1950	2250	50.2	87.2	164.5	
2100	2400	50.2	87.2	164.5	
2250	2550	50.2	87.2	164.5	
2400	2700	50.2	87.2	164.5	
2550	2850	50.2	87.2	164.5	
2700	3000	50.2	87.2	164.5	
2850	3150	50.2	87.2	164.5	
3000	3300	50.2	87.2	164.5	
3150	3450	50.2	87.2	164.5	
3300	3600	48.0	87.2	164.5	
3450	3750	46.0	87.2	164.5	
3600	3900	44.2	87.2	164.5	
3750	4050	42.5	87.2	164.5	
3900	4200	40.9	80.6	164.5	
4050	4350	39.5	74.8	164.5	440mm of masonry & tiled roof
4200	4500	38.0	69.5	158.8	
4350	4650	35.4	64.8	153.5	
4500	4800	33.1	60.6	148.6	
4650	4950		56.7	143.9	
4800	5100		53.2	139.6	
4950	5250		50.1	133.5	
5100	5400		47.2	125.8	
5250	5550		44.5	118.7	
5400	5700		42.1	112.2	
5550	5850		39.8	106.2	full height masonry
5700	6000		37.7	100.7	
5850	6150			95.6	
6000	6300			90.9	
Permissible Moment (kN.m):		**20.7**	**46.4**	**86.4**	
Permissible Point Load (kN):		**7.05**	**16.7**	**32.9**	