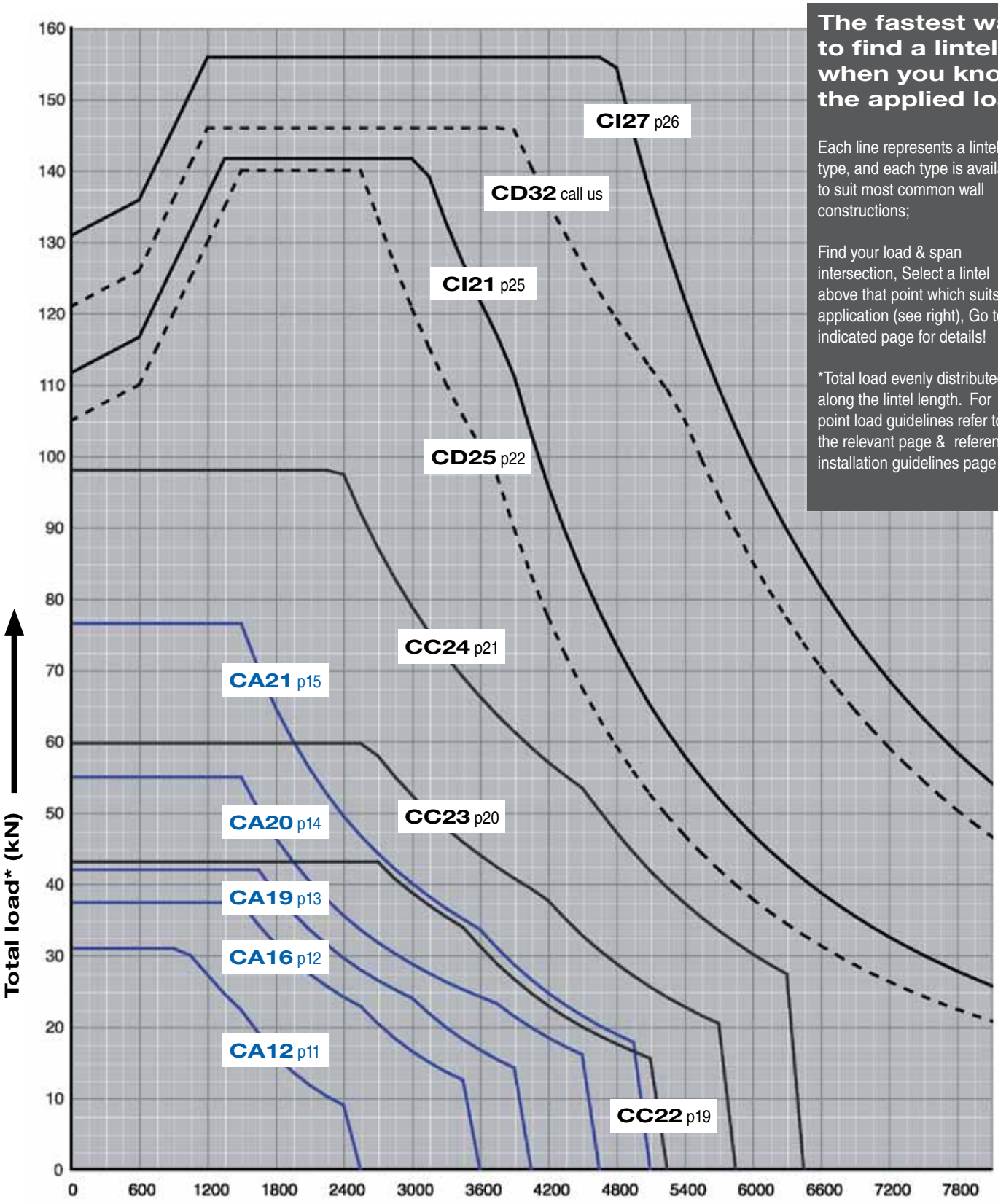
Application chart

Use these pages to quickly identify the right



The fastest way to find a lintel when you know the applied load

Each line represents a lintel type, and each type is available to suit most common wall constructions;

Find your load & span intersection, Select a lintel above that point which suits your application (see right), Go to the indicated page for details!

*Total load evenly distributed along the lintel length. For point load guidelines refer to the relevant page & referenced installation guidelines page 78.

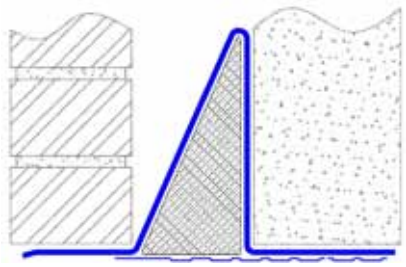
Lintel standard lengths are 150mm increments (grid spacing) starting at 450mm

We can manufacture many variations of these lintels, supplied as standard in LDX2101 Stainless Steel.
Call 01206 79 2001 to inquire or visit www.stainless-lintels.co.uk

cavity wall lintel type for you ...

CA Type Lintels

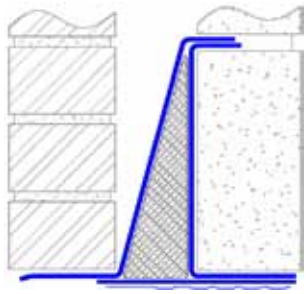
An economic range of lintels for applications with similar inner:outer leaf loads.



Load ratio* range: (Outer:Inner)	**65-100% max load: 1:1 - 1:3,** **<65% max load: 2:1 - 1:5**
Loading description:	Evenly distributed loads within the load ratios above, Point loads are possible, but should be close to the inner web.
Standard Sizes Available:	5 different duty ratings, all with 7 cavity sizes & 3 inner leaf sizes
Typical Application:	Supporting standard masonry walls and typical timber floors. May also be used under openings supporting (typically light) roof loads (within the specified load ratios)

CC Type Lintels

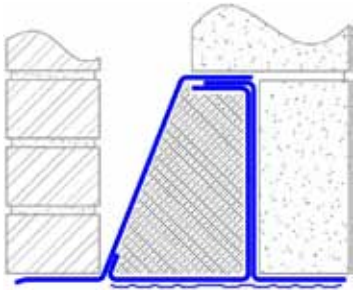
Lintels for more demanding applications or higher inner leaf loadings.



Load ratio* range: (Outer:Inner)	**65-100% max load: 5:1 - 1:19,** (depending on lintel type) **<65% max load: 9:1 - 1:29,** (depending on lintel type)
Loading description:	Evenly distributed & Point loads within the load ratios above, Point loads are possible, either on the top flange, or on the inner leaf close to the web. For light loads (<50%) the block infill may be omitted.
Standard Sizes Available:	5 different duty ratings, all with 7 cavity sizes & 3 inner leaf sizes. Including 2 low profile lintels to course just 2 bricks high.
Typical Application:	Supporting masonry walls, roofs and concrete or timber floors, where there may be a significant difference between inner and outer loads

CD Type Lintels

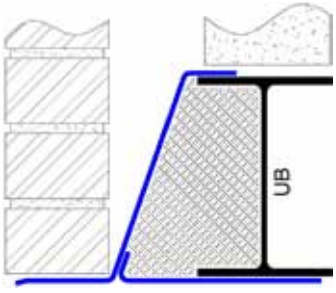
Heavy Duty lintels for high inner leaf loadings, and applications with thicker inner masonry.



Load ratio* range: (Outer:Inner)	**65-100% max load: 1:2 - 1:29,** **<65% max load: 1:1 - 1:29**
Loading description:	Heavy duty evenly distributed & point loads within the load ratios above, Point loads are possible either on the top flange above the web, or on the inner leaf close to the web. Block infill must be present.
Standard Sizes Available:	2 different duty ratings, all with 7 cavity sizes & 3 inner leaf sizes
Typical Application:	High inner leaf loadings, wider than normal inner wall thickness, where the strength of a UB is required, but all stainless is desirable. Allows for more a efficient build by avoiding an inconvenient top flange

CI Type Lintels

Heavy Duty structural section lintels for economy & ease of integration into steel frame designs.



Load ratio* range: (Outer:Inner)	**65-100% max load: 1:2 - 1:29,** **<65% max load: 1:1 - 1:29**
Loading description:	Heavy duty evenly distributed & point loads within the load ratios above, Point loads may be applied on the top flange. No block infill to the rear of the I-Beam is required.
Standard Sizes Available:	2 different duty ratings, all with 7 cavity sizes & 3 inner leaf sizes
Typical Application:	Extreme masonry loadings or very long spans, applications where the beam is in integral member in the surrounding structure , allowing easy integration of the lintel into the structural engineers designs.

*For explanation of leaf loading ratios, refer pages 78 & 86

Note: The actual form will vary from that shown depending on the specific type chosen and the wall construction dimensions

A wide range of options are available for all lintels, even mitred corners, feature bricks & steel connections. Examples of typical options are shown on each page - all standard in LDX 2101 Stainless Steel.