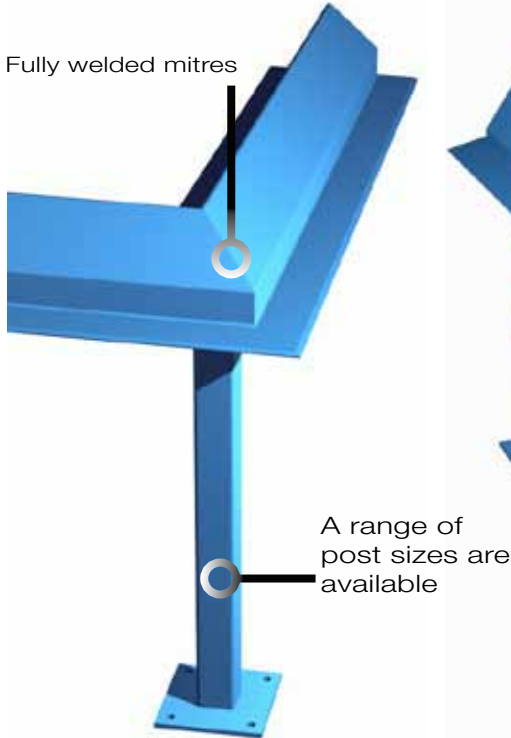


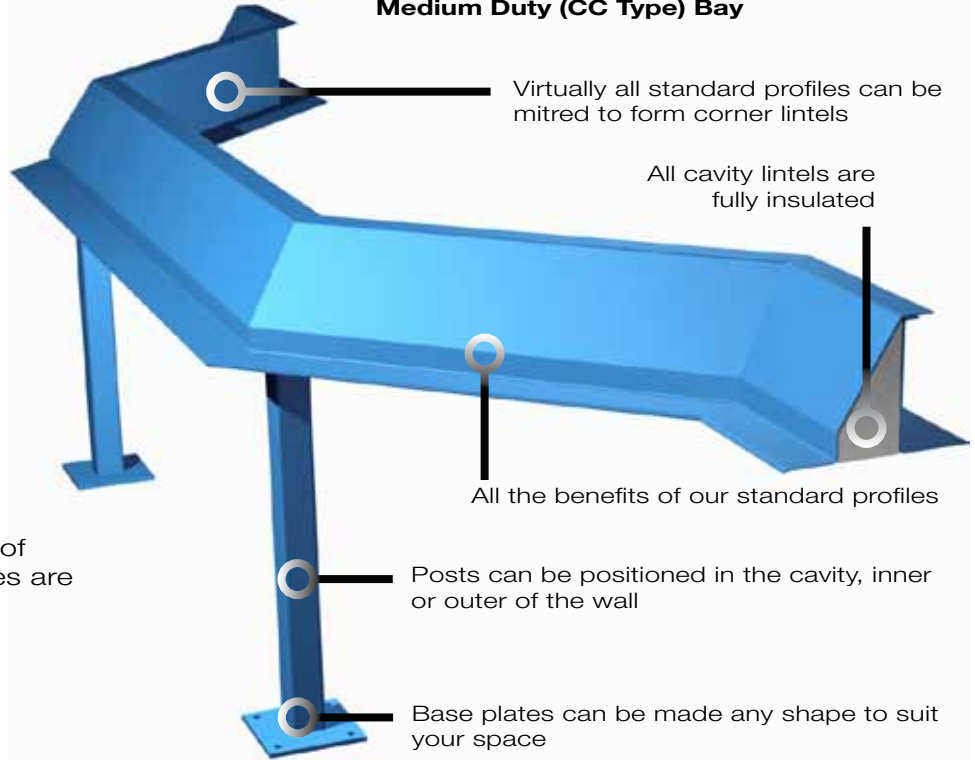
## From any standard lintel section

# Corner Lintels

### Standard Duty (CA Type) Corner



### Medium Duty (CC Type) Bay



### WHAT IS A CORNER LINTEL?

A corner Lintel is a special lintel constructed from a standard straight lintel by cutting and welding to create fully welded, mitred corners in the one lintel. Multiple corners and almost any angle are possible, applications include: Bay and Corner openings, Conservatories, closely spaced windows and more!

### HOW IS A CORNER LINTEL SPECIFIED?

Usually, the load on each straight span is considered separately, and a standard straight lintel profile (to suit the wall construction) is selected based on the requirement of the most heavily loaded span. The lintel profile selected is usually then used for the entire corner lintel so mitre connections are easy to fabricate.

### HOW ABOUT THE POSTS?

A post is typically installed at every mitre of corner lintel unless the corner is otherwise supported. Posts are selected based on the loads they must support - a guide is given below. Posts are usually supplied detached and locate onto a spigot on the underside of the lintel during installation. Lintels can be designed to have the post located in the cavity, inner or outer leaf, and although square section is standard, other shapes can be fabricated. It is sometimes possible to design corner lintels without a post by cantilevering the lintel, allowing for example, an unobstructed window - contact our technical department for assistance.

### Standard Corner Lintel Post sizes & Permissible Loads

Post Size:	40x40x3.0	50x50x3.0	60x60x4.0	80x80x4.0	90x90x6.0	100x100x8
Post Mass:	3.4 kg/m	4.3 kg/m	6.9 kg/m	9.4 kg/m	16.2 kg/m	22.6 kg/m
Post Length	1.0m	17 kN	24 kN	38 kN	55 kN	80 kN
	1.5m	14 kN	20 kN	34 kN	50 kN	75 kN
	2.0m		16 kN	30 kN	45 kN	70 kN
	2.5m				40 kN	65 kN
	3.0m					60 kN
Std. base size :	150x150x6.0	150x150x6.0	150x150x8.0	200x200x8.0	200x200x10.0	225x225x12.0
Anchor holes :	4x Ø12mm	4x Ø12mm	4x Ø12mm	4x Ø14mm	4x Ø14mm	4x Ø14mm

Note: base plate sizes are typical for centrally located posts, but any configuration that gives sufficient bearing area is possible.

**Standard in LDX2101® so the welds are as durable as the rest of the lintel!**

Loading notes: Calculations to BS 5950-1:2000, assuming a non moment-transmitting connection to the lintel, factor of 1.6 over failure applied, and 5% of the maximum axial load applied horizontally to the post at mid-span. The presented capacities do not allow for any other significant lateral loadings or moments. At time of print, some of the post sizes listed are not available in LDX 2101®, they may be fabricated from sheet or supplied in mild steel with zinc rich coating. Contact our technical department for further assistance.

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](http://www.stainless-lintels.co.uk)

# Corner Lintels

## Customer Shipping Details

This form is submitted as a (tick): Request for quote:  An order:

Customer/Company: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_

Account Ref (if known): \_\_\_\_\_  
 Purchase order or Ref: \_\_\_\_\_

Delivery Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Invoice address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Standard Lintel & Wall Information

Straight Lintel type: \_\_\_\_\_  
 (eg "CA17")

If unsure which lintel type to use, send us plans/loading information or tell us the loads and we can select the appropriate lintel for you.

#### Wall Construction

\_\_\_\_\_ mm/ \_\_\_\_\_ mm/ \_\_\_\_\_ mm  
 (Outer) / (Cavity) / (Inner) (You can also sketch your wall below and we will design the lintel to suit.)

### Feature Brick Options

Tick for feature brick   
 Brick height f: \_\_\_\_\_ mm

Note: Feature Brick can be combined with a step and other features, see pages 62 & 70 for more information..

### Cavity Tray Options

Tick for Cavity Tray:

Provides a steel cavity tray built into the lintel, complete with stop-ends, which may be better than adhesive stop-ends or a separate DPC)

### Plaster Key Options (tick one)

- No Plaster Key
- Plaster Key Inner
- Inner and Cavity
- Full Width

### Material Options<sup>i</sup> (tick one)

- LDX 2101 Stainless
- Grade 304 Stainless
- SS370 Stainless
- Uncoated S275JR
- Hot Dip Galv. S275JR
- G600 Pre-Galv. S280
- Other or Mix (specify in notes)

Note: Safe loads in this catalogue only apply to LDX 2101 & SS370

### Optional Stepped Outer



Tick if required:   
 Step size: \_\_\_\_\_ mm

### Post Options<sup>ii</sup>

Post Size (ref p68): \_\_\_\_\_ mm  
 Post Height: \_\_\_\_\_ mm

(height = underside of base to underside of lintel)

#### POST LOCATION (tick as needed)

- Post in the Outer Leaf
- Post in the Cavity
- Post in the Inner Leaf

#### OTHER POST OPTIONS (tick as needed)

- Supply without any posts
- Special Base Plate (sketch)
- Non standard post (sketch)
- Top plate flush with lintel base
- Post not at mitre (sketch)

<sup>i</sup> Lintels are supplied in LDX 2101 unless otherwise specified (note that some stainless steel lintels incorporate mild steel structural sections in their design) Materials other than LDX 2101 & SS370 may have reduced load capacity over those listed in this brochure.

<sup>ii</sup> Base plates are usually designed to fit into the wall, so the post may be off-center on the base plate.

<sup>iii</sup> Base plates require masonry of minimum 7.0N strength for bearing

QUANTITY OF REQUIRED, SKETCH & NOTES (as required)

We draw your lintel based on this information & send it to you for type & dimensional approval prior to manufacture as a final check.