

BETTER BY
DESIGN



LINTEL GUIDE

SPECIFIER'S GUIDE TO OUR RANGE OF LINTELS





BETTER BY DESIGN

IG produce the UK's largest range of steel lintels backed by industry leading technical support and ex-stock delivery service.



BBA Certification



British Standards Institution
ISO 9001 & ISO 14001



Home Builders
Federation



National Building
Specification Approved



RIBA CPD
Approved



Builders Merchants
Federation



National House
Building Council



INVESTORS IN PEOPLE

Investors in People
Accreditation



Building Research
Establishment

www.iglintels.com

Steel Lintel Guide

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IG Innovation

Founded in 1958, IG Lintels is a division of Europe's largest manufacturer of steel lintels and masonry support systems. IG Lintels design, manufacture and supply high quality steel lintels throughout Europe.

IG invented the original open back lintel in 1967, which quickly became the industry standard. Our lintels are engineered to be the most structurally

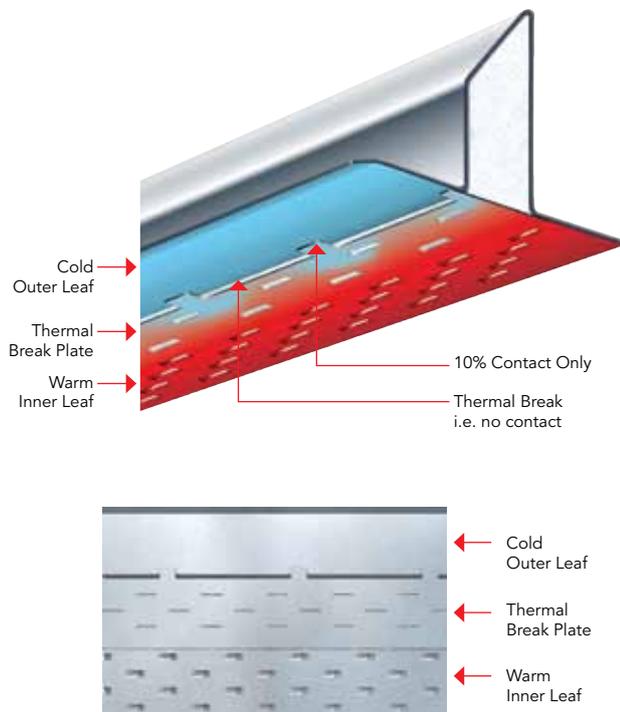
and thermally efficient lintels available. Continual development ensures they are widely specified for use throughout Europe on commercial, industrial, residential and institutional projects.

In 2011 IG introduced Hi-Therm, a unique product designed to exceed the thermal requirements of future building regulations.

Through continual innovation the IG range now provides lintel solutions for every structural requirement, compliant with the latest regulations.



STANDARD IG LINTEL with patented Thermal Break Plate



THERMAL PERFORMANCE

Building regulations require that lintels should be assessed for their effect on the thermal performance of a building. A lintel's thermal performance is expressed in terms of Psi Values (Ψ) i.e. linear thermal transmittance.

STANDARD IG LINTEL

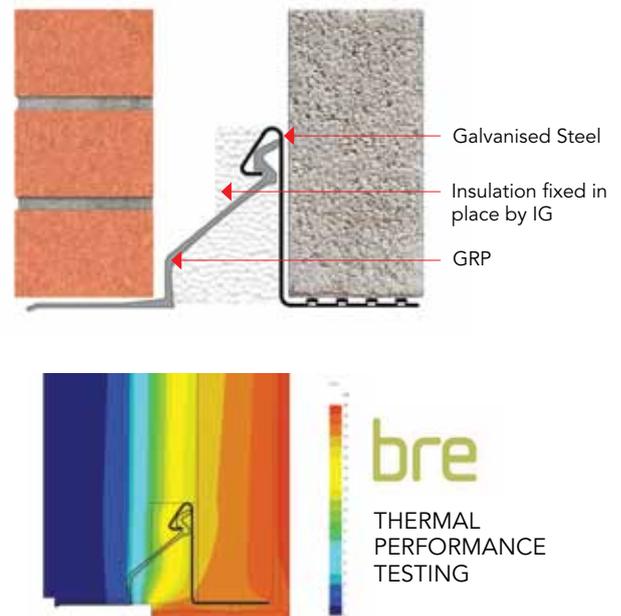
All IG standard lintels satisfy the thermal performance requirements of England and Wales' Part L of the building regulations, Northern Ireland's Part F and Scotland's Technical Handbook, section 6.

Our standard L1 range has Psi values ranging from 0.2 to 0.3 W/m²K. The exact figure of your Psi value depends upon the wall construction the lintel is built into. For more detailed information on Psi values applicable to your wall construction or for more information on accredited construction details please contact IG's technical team.

LINTEL HOTLINE

01633 486486

HI-THERM IG LINTEL patented Galvanised Steel/GRP Lintel



HI-THERM IG LINTEL

IG's Hi-Therm Lintel is a combination of GRP and Galvanised Steel. When combined these two materials form the ultimate in lintel design - Psi 0.05 W/m²K

Testing of IG's Hi-Therm Lintel was carried out by the BRE (Building Research Establishment) using Physibel's thermal analysis software TRISCO which complies with BS EN ISO10211-1. The modelling follows the requirements of the BRE conventions document BR497.

OUTSTANDING ADVANTAGES

- **Outperforms** all other cavity wall lintels for thermal performance. GRP has very low thermal conductivity which practically eliminates cold bridging.
- **Outperforms** stainless steel and galvanised steel for corrosion resistance. The GRP outer flange, quite simply, will never corrode.
- **Outperforms** stainless steel in price. GRP is more competitively priced than stainless steel.
- **DPC is not normally required.** The GRP outer flange does not require the installation of a separate Damp Proof Course/Cavity Tray. (Areas of severe exposure will require a separate DPC. See BS 8104 zones 3+4).
- **Hi-Therm has achieved a 1 hour fire resistance test** as carried out by Exova Warringtonfire utilising the heating conditions of BS EN 1363-1 1999.

IG Support

With the largest range and more support, IG has over 50 years experience in delivering effective service and solutions.

RANGE



HI-THERM

IG has redefined lintel performance with Hi-Therm, designed to exceed the thermal requirements in forthcoming building regulations. Hi-Therm is supported by an advanced technical service package.



STANDARD LINTELS

IG produce a wide range of standard galvanised steel and stainless steel lintels. All IG standard lintels satisfy the Thermal Performance requirements of all UK building regulations.



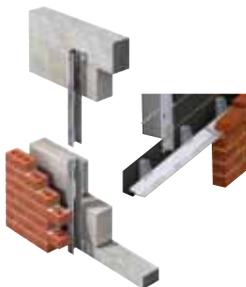
SPECIAL LINTELS

IG offer a complete custom design service to ensure your project has the best lintel for the job. Our technical expertise is renowned for delivering solutions with total efficiency.



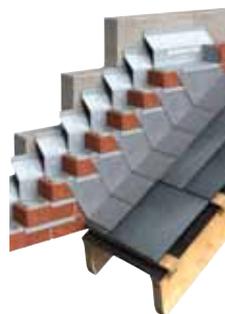
BRICKWORK FEATURE LINTELS

IG Brickwork Feature Lintels are a one piece prefabricated unit, manufactured bespoke to order, achieving even the most challenging architectural designs.



MASONRY SUPPORT & WINDPOST SYSTEMS

IG continues to set the standard for masonry support and windpost systems for a range of building frame configurations. The innovative Qwik Fix angle provides a versatile solution when masonry support is required.



CAVITY TRAYS

The IG Cavity Tray presents a lightweight, simple to install and long-lasting solution to preventing dampness from penetrating below the roof line.

IG gives a hassle free service from enquiry stage through to delivery on site. You can relax in the knowledge that your order is in the hands of experts.



TECHNICAL SUPPORT

IG provides comprehensive technical support for all products. Our free scheduling and specification service offers fast turnaround on standard lintels, masonry support and windpost systems.

IG leads the market with a bespoke design service for special lintels and brickwork feature lintels, including onsite measurement and technical assistance.

Our in-house experts use the latest thermal modelling software to advise clients on the optimum lintel solution for compliance with and beyond the latest building regulations.

By contacting our engineers at an early stage of your design process, you will potentially gain significantly more design flexibility for the overall project. Please send your drawings to: drawings@iglintels.com

Please refer to our Fax Back Forms for special lintel requirements. Detailed measuring advice and Fax Back Enquiry Forms are available for download at: www.iglintels.com/technical.

FASTRACK DATABASE FOR CAD

The IG Fastrack Database is accessible from the IG website and provides downloads of CAD files for a selection of IG Steel Lintels.

NBS PLUS

IG provides specification details via RIBA NBS Plus, accessible accessible via our website or via RIBA for NBS subscribers.

DELIVERY

IG's fast, efficient delivery service is renowned throughout the construction industry. Our logistics solution is recognised by our customers for superior supply chain management.

IG continues to provide the largest range of lintels available, with the shortest lead times in the industry. We have invested in large stock inventories at our three manufacturing and distribution centres reassuring our customers that all our standard lintels are instantly available upon request.

IG has revolutionised the steel lintel industry by manufacturing and delivering 'special' lintels with lead-times historically associated with ex-stock items.

IG products are available through a national network of merchant suppliers. For information of merchant suppliers in your area please visit our website at: www.iglintels.com/merchants

Standard Lintel Performance

FIRE PERFORMANCE

IG lintels have been subjected to a fire test (ref: WARRES No. 101263) in accordance with BS 476:Part20: 1987, at Exova Warringtonfire and achieved a one hour fire performance.

If longer fire rating figures are required they can be achieved by applying a proprietary fire board to the soffit of the inner flange of the steel lintel. Please contact our technical team if further fire rating provisions are required.



CORROSION RESISTANCE

IG's standard range of lintels are manufactured from high quality grade pre-galvanised mild steel with a zinc coating of 600g/m² (including both sides).

The 'hot dipped, pre-galvanising' process is carried out at the mill to ensure a more consistent quality of zinc coating. This guarantees a more effective anti-corrosive system. Furthermore pre-galvanised lintels are much more environmentally friendly than post galvanised lintels with a lower carbon footprint.



STRUCTURAL PERFORMANCE

The IG Lintel range has safe working loads as detailed in each applicable loading table in our **Lintel Guide** brochure. The structural performance figures within each table have been ascertained by testing in accordance with the requirements of standards BS 5977 Part 2 1983 and BS EN 845-2:2003.

The figures take into account the different loading arrangements which are common to traditional cavity wall construction.

Differential Total UDL kN 3:1

Up to 75% loading on the inner leaf.

Differential Total UDL kN 19:1

Up to 95% loading on the inner leaf.

LINTEL LOAD TABLES

For full details of load tables specific to your lintel type please see Lintel Range & Loading Tables pages 19-73.

Lintel types: L1/S 50, L1/S 75, L1/S 100, L1/HD 50, L1/HD 75, L1/HD 100, L1/S 50 WIL 215, L1/S 75 WIL 215, L1/S 100 WIL 215, L1/S 110, L1/S 130, L1/S 150, L10, L7, L11, L8/RB, L1/TJ, INT 100, L9, IBEAM, L1/E 50, L1/E 100, L5, L6 have been tested as a composite unit with surrounding masonry, built in accordance with BS EN 1996-2:2006.

LINTEL LIFE SPAN

The IG lintel range complies with the technical requirements of the BLP (Building Life Plans) regarding the durability data of mild steel, cold formed lintels.

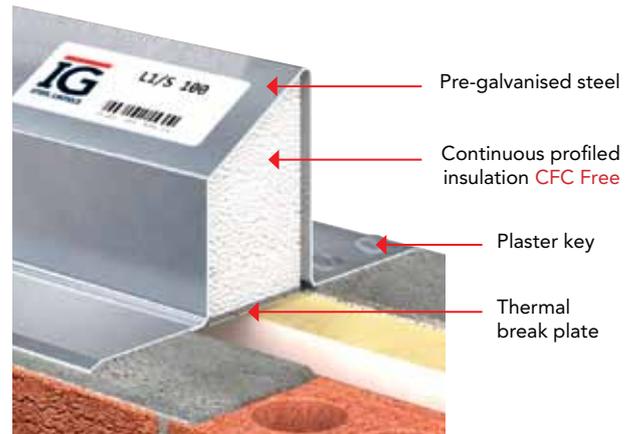
The service life of IG lintels, when installed with a flexible DPC, will be the same as that anticipated for the building. Lintels supplied by IG, almost 60 years ago, continue to perform without maintenance - a tested and proven track record.

Material Specification

IG Lintels are available in three material types, each with distinct features that can be utilised dependent on your project.

GALVANISED STEEL

IG's standard range of lintels are manufactured from high quality grade pre-galvanised mild steel to BS EN 10346:2009 DX51D plus Z600 or grade Z275 to BS EN10025-2:2004 with minimised spangle finish and a minimum yield stress of 250N/mm². In accordance with BS5977: part 2, 1983 (BS EN 845-2:2003) all cut edges are treated with a corrosion resistant paint. Table C.1 - material coating reference L14 (BS EN 845 part 2 2003 page 28).



STAINLESS STEEL

IG's stainless steel range of lintels use stainless steel grade 304 2b to BS EN 10088-Part 2 Astm 240 (European Grade 1.4307). IG's full range of standard and special lintels are available in stainless steel.

For detailed information on our range of stainless steel lintels see page 86.

GALVANISED STEEL/GRP

IG's Hi-Therm lintel range is manufactured from GRP for the outer leaf and Galvanised steel for the inner leaf. The GRP used is a pultruded fibre reinforced polymer made from polyester resin, fillers and continuous reinforcement consisting of continuous glass fibre strand roving and glass fibre mat, protected by a surface veil.



POLYSTYRENE INSULATION

IG's lintels are insulated with expanded polystyrene and conforms to BS 13163: 2008. The polystyrene expansion process involves an air and pentane mixture. The release of pentane into the atmosphere causes no Ozone Depletion or Global Warming therefore our insulation has an Ozone Depletion Potential (ODP) and Global Warming Potential (GWP) of ZERO.

The expanded polystyrene (EPS) incorporated into our pre-insulated lintels does not use, contain or produce formaldehyde, CFC's or indeed any so called CFC's (i.e. HCFC and HFA'S). The insulation used in IG lintels conforms to the Montreal Protocol.

The thermal conductivity of expanded polystyrene is 0.03 W/mK.





Specification Clauses

Clause F30: Masonry: Accessories/Sundry items for brick/block/stone cladding

NBS 755: Prefabricated Steel Lintels

Standard:
BS EN 845-2: 2003

Manufacturer:
IG Lintels, Avondale Road,
Cwmbran, Gwent, NP44 1XY
Tel: 01633 486 486
Web: www.iglintels.com

Product Reference:

Types:

Material/Finish:
As product

Sizes:
As required and to achieve a minimum end bearing of 150mm (200mm for heavy duty lintels).

Additional requirements:

Placement: Bed on mortar used for adjacent work, bearing length (minimum) 150mm.

Cavity Wall Lintel

Provide IG insulated steel lintels with integral plaster key and Thermal Break Plate, manufactured and designed in accordance with BS EN 845-2:2003. IG Lintels, Avondale Road, Cwmbran, Gwent, NP44 1XY, Tel: 01633 486 486, Web: www.iglintels.com

Product Reference:
IG: L1.../L5... /L6...

Length:

Material:
High quality grade galvanised steel to BS EN 10346:2009 DX51D standard plus Z600.

Installation:
Lintels to have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and across its width. Raise the inner and outer leaves simultaneously, masonry to be laid on a mortar bed and all perpendicular joints to be filled. Lintels may be propped to facilitate speed of construction.

Timber Frame Lintel

Provide IG steel lintels manufactured and designed in accordance with BS EN 845-2:2003. IG Lintels, Avondale Road, Cwmbran, Gwent, NP44 1XY, Tel: 01633 486 486, Web: www.iglintels.com

Product Reference:
IG: L7/

Length:

Material:
High quality grade galvanised steel to BS EN 10346:2009 DX51D standard plus Z600.

Installation:
Lintels to have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and across its width. Masonry to be laid on a mortar bed and all perpendicular joints to be filled. Restraint clips are to be installed as per IG installation instructions. Lintels may be propped to facilitate speed of construction.

Single Leaf Lintel

Provide IG steel lintels manufactured and designed in accordance with BS EN 845-2:2003. IG Lintels, Avondale Road, Cwmbran, Gwent, NP44 1XY, Tel: 01633 486 486, Web: www.iglintels.com

Product Reference:
IG: L9.../ L10.../ L11.../ BOX

Length:

Material:
High quality grade galvanised steel to BS EN 10346:2009 DX51D standard plus Z600.

Installation:
Lintels to have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and across its width. Masonry to be laid on a mortar bed and all perpendicular joints to be filled. Lintels may be propped to facilitate speed of construction.

Stainless Steel Lintel Applications

Provide IG insulated Stainless Steel Lintels with patented Thermal Break Plate. Manufactured and designed in accordance with BS EN 845-2:2003. IG Lintels, Avondale Road, Cwmbran, Gwent, NP44 1XY, Tel: 01633 486 486, Web: www.iglintels.com

Product Reference:
IG: Stainless Steel Lintel SS

Length:

Material:
Stainless steel grade 304 2B to BS EN 10088-Part 2 Astm 240 (European Grade 1.4307)

Installation:
Lintels to have a minimum end bearing of 150mm on each side of the opening bedded on mortar. Level the lintel along its length and across its width. Raise the inner and outer leaves of masonry simultaneously. Lintels may be propped to facilitate speed of construction.

Extended Product Range

Provide IG insulated steel lintels manufactured and designed in accordance with BS EN 845-2:2003. IG Lintels, Avondale Road, Cwmbran, Gwent, NP44 1XY, Tel: 01633 486 486, Web: www.iglintels.com

Product Reference:
IG: L...

Material:
High quality grade galvanised steel to BS EN 10346:2009 DX51D standard plus Z600.

Installation:
Lintels to have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and width. Raise the inner and outer leaves simultaneously, masonry to be laid on a mortar bed and all perpendicular joints to be filled. Lintels may be propped to facilitate speed of construction.

IG LINTEL ACCESSORIES

Lintel Arch Boards

Provide IG white Arch Board.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486,
Web: www.iglintels.com

Product Reference:
IG: AR

Installation:
Place arch board on the outer flange of the lintel. Brickwork on top of arch board must be built on a 10mm bed of mortar.

Brick Arch Sets

Provide IG *Brick Arch Sets*.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486
Web: www.iglintels.com

Product Reference:
IG: BA

Installation:
Lintels to have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and across its width. Raise the inner and outer leaves simultaneously. All joints to be filled after lintel has been built in. Lintels may be propped to facilitate speed of construction.

Windposts

Provide IG Windposts.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486
Web: www.iglintels.com

Product Reference:
U1...U9/ LP1...LP12/ DU3...DU9

Material:
Austenitic Stainless Steel Grade 304.

Installation:
Windposts to be bolted to ground and intermediate floor structures. Windpost spacing determined by IG Engineer. LP Windpost to be built into blockwork. DU and U windposts to be placed in cavity.

Cavity Trays

Provide IG Gable Abutment Cavity Tray and or Refurbishment Cavity Tray and or Internal or External Corner Tray.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486
Web: www.iglintels.com

Product Reference:
IG: GA1/ GA2/ GA3.../RFT

Installation:
Trays to be folded as instructions on tray, to form left and right stop ends as required.

Lintel Cavity Weep Hole

Provide IG cavity weep holes with cavity wall lintels.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486
Web: www.iglintels.com

Product Reference:
IG: WH

Installation:
Insert lintel cavity weep holes at 450mm centres. At least two per opening must be installed on the outer flange of the lintel.

Lintel Stop Ends

Provide IG lintel stop ends to cavity wall lintels.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486
Web: www.iglintels.com

Product reference:
IG: SE

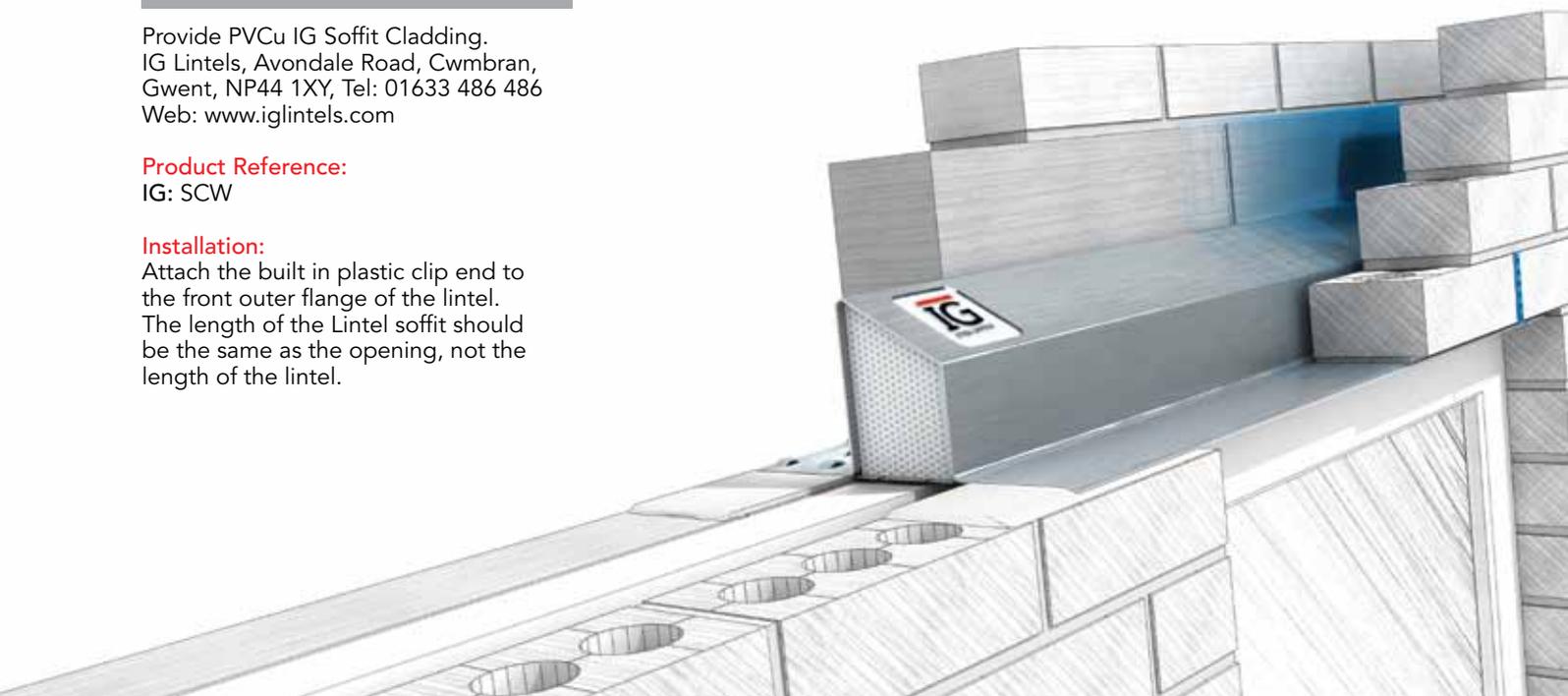
Installation:
Place lintel stop ends on both ends of the outer flange of the lintel. Ensure that the stop end is positioned tightly against the front upstand of the lintel. Adjust the stop end to suit the lintel profile. Position the stop ends in a perpendicular joint nearest the end of the lintel.

Lintel Soffit Cladding

Provide PVCu IG Soffit Cladding.
IG Lintels, Avondale Road, Cwmbran,
Gwent, NP44 1XY, Tel: 01633 486 486
Web: www.iglintels.com

Product Reference:
IG: SCW

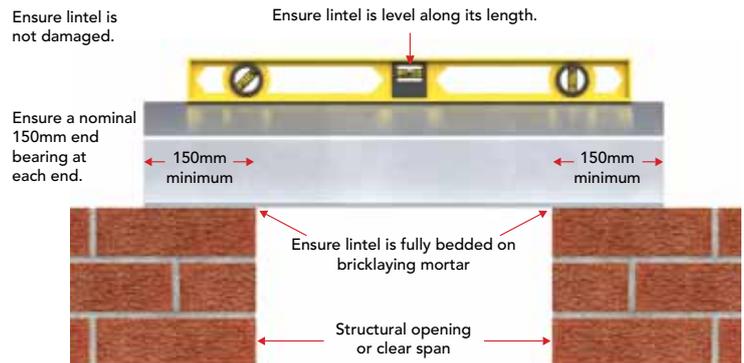
Installation:
Attach the built in plastic clip end to the front outer flange of the lintel. The length of the Lintel soffit should be the same as the opening, not the length of the lintel.



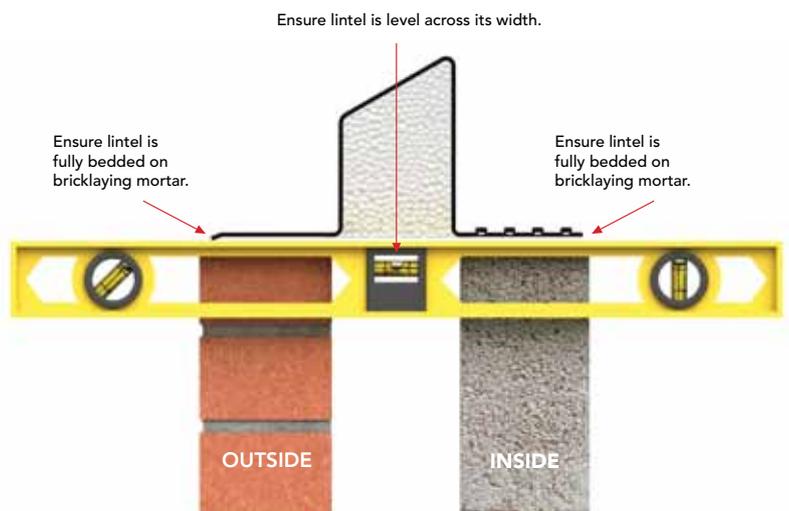
Lintel Installation Guide

- 1 Lintels should be installed with a minimum end bearing of 150mm, bedded on mortar and levelled along its length and across its width.
- 2 The masonry above the lintel should be built in accordance with BS EN 1996-2:2006.
- 3 Raise the inner and outer leaves simultaneously to avoid excessive eccentricity of loading, with a maximum height difference of 225mm (masonry should be laid on a mortar bed and all perpendicular joints should be filled).
- 4 Allow the mortar to cure before applying floor or roof loads (Temporary propping beneath a steel lintel is practised to facilitate speed of construction).
- 5 The NHBC recommend a damp proof course (DPC) or cavity tray should be installed over all openings in external cavity walls.
- 6 When installing concrete floor units or other heavy components above a lintel, care should be taken to avoid shock loading and floor units should not be dragged into position. Masonry immediately above the lintel should be allowed to cure.
- 7 Point loads should not be applied directly onto lintel flanges. Lintels should have a minimum of 150mm masonry between the flange and the application level of any form of loading. Consult IG's technical department if applying a point load above a lintel.
- 8 The external lintel flange must project beyond the window/door frame and it is recommended that a flexible sealing compound is used between the underside of the lintel flange and the frame.
- 9 When the underside of a lintel is exposed, its appearance can be enhanced by the addition of lintel soffit cladding.
- 10 Do not cut lintels to length or modify them in any way without consulting an IG engineer.

ENSURE LINTEL IS LEVEL ALONG ITS LENGTH

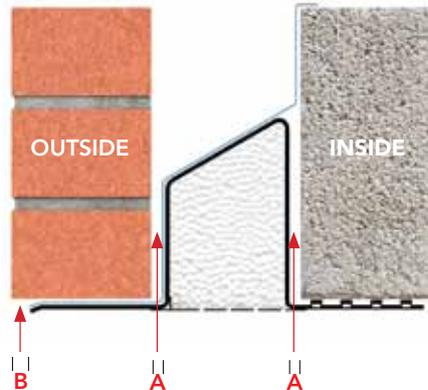


ENSURE LINTEL IS LEVEL ALONG ITS WIDTH



LINTEL POSITION WITHIN A CAVITY WALL

- A** Lintel should be centred in the cavity and the distance between lintel up-stand and masonry must not exceed 8.5mm
- B** Masonry should not overhang any flange by more than 30mm.

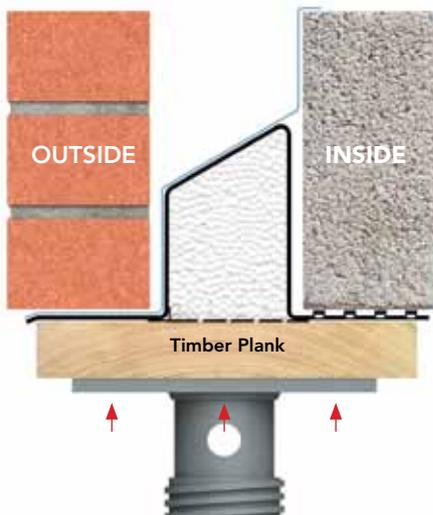


PROPPING

Propping a lintel is sometimes practiced to facilitate speed of construction. It should only be introduced after initial masonry load has been applied to the lintel.

When propping a lintel, a horizontal timber plank should be placed along the underside of the lintel and suitable* props secured into place at maximum 1200mm centres.

* Suitability of props is the responsibility of site management.



DAMP PROOF COURSE - DPC

In accordance with BS EN 1996-2:2006 and NHBC requirements all external wall lintels MUST be installed with a flexible damp proof course with the exception of those adequately protected by an eaves overhang or similar form of protection.

Stop ends should be provided as specified by BS EN 1996-2:2006 and the NHBC, to avoid moisture entering the cavity near the reveals. Proprietary stop ends should be used or alternatively the DPC should extend to the edge of the external lintel flange and 50-150mm beyond the end of the lintel (depending on coursing) to allow formation of an integral stop end at a suitable perpendicular joint.



Provide weep holes at a maximum of 450mm intervals (at least two per opening) with fair-faced masonry.

Consider the use of soffit cladding for all coastal sites. Stainless steel to be used within 500m of the coast (NHBC).

SAFETY PRECAUTIONS

- IG steel products are produced from steel plate which may present sharp edges. Suitable personal protective equipment should be worn at all times during handling and installation. Gloves should be worn to avoid injury from any sharp edges or corners.
- When lifting or carrying a lintel undertake a personal risk assessment paying attention to the size and weight of the product. To avoid lifting strains any lintels other than the shortest lengths should be lifted by at least two people or alternatively by mechanical means.
- Do not use damaged lintels.

STORAGE

Lintels should be stored on wooden skids on flat ground. IG recommends that they are stored one bundle high only, unless adequate measures are taken to ensure that the stack will remain stable. The banding straps are taut and care should be taken when cutting these to avoid personal injury and/or the bundle collapsing.

DISPOSAL

Ensure that all IG packaging and waste are disposed of responsibly. Due care must be given to the environmental impact of the disposal method.

COSHH - Control of Substances Hazardous to Health

IG lintels are fabricated from galvanised or stainless steel and pose no toxicity hazard, they are also insulated with preformed polystyrene. Most lintels contain a perforated steel key plate for rendering purposes and/or a steel strengthening plate for heavy duty requirements which also poses no hazard.

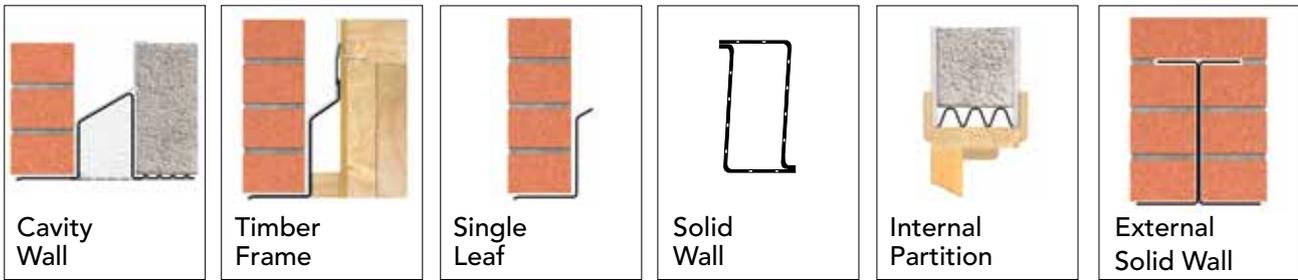
All components and materials in our products are considered as non-hazardous to health under normal conditions of use as determined by COSHH Regulations 2002.

Selecting the correct lintel

YOU WILL NEED TO KNOW 5 THINGS:

- 1: What is the wall construction?
- 2: What is the length of the lintel?
- 3: What is the load to be supported by the lintel?
- 4: What is the load ratio between the inner and outer leaves of the cavity wall?
- 5: How to interpret the load tables.

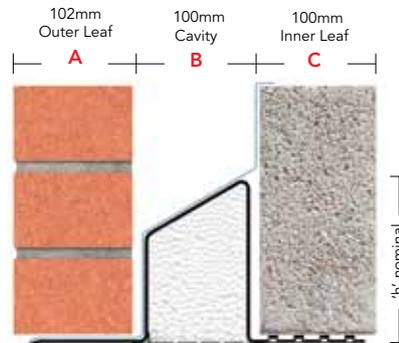
1: Select Wall Type



Example 1: Cavity Wall Construction

You will need to know:

- A** Outer Leaf = 102mm Brick
- B** Cavity = 100mm
- C** Inner Leaf = 100mm Block



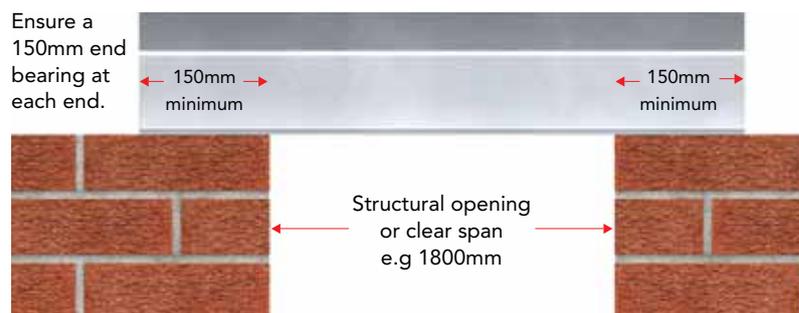
2: What is the length of the lintel?

Example 2: Lintel Length

How wide is the structural opening?

- 1 Measure the size of the structural opening i.e. the clear span between the masonry supports.
- 2 Add 150mm minimum bearing to each end.

Example lintel length =
 $150 + 1800 + 150 = 2100\text{mm}$

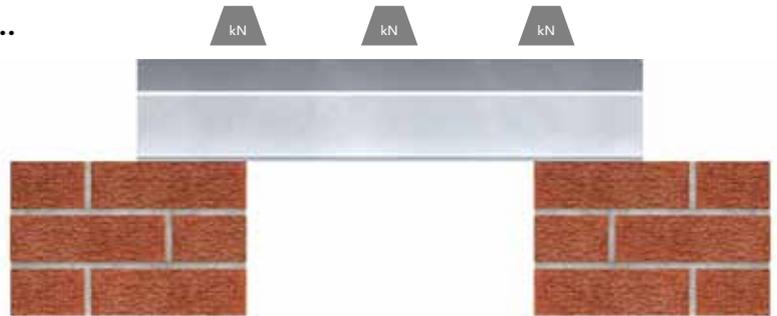


3: What is the load to be supported by the lintel?

Example 3: Load on Lintel

The load on a lintel comes from...

- 1 Masonry
- 2 Roof Loads: Truss/Attic/Cut/...
- 3 Floor Loads: Joists/Slabs/...
- 4 Live Loads: Residential use/ Commercial use/Industrial use/...
- 5 Combination of above



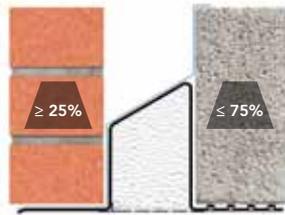
NOTE:

If you are not skilled in assessing loads please contact IG's Technical Team on 01633 486 486

4: What is the load ratio between the inner and outer leaves of cavity wall?

Total UDL kN 3:1

Up to 75% of the load is on the Inner Leaf

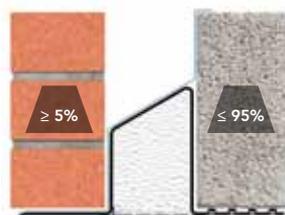


Differential load ration 3:1 =

≤ 75% load on the Inner Leaf
≥ 25% load on the Outer Leaf

Total UDL kN 19:1

Up to 95% of the load is on the Inner Leaf



Differential load ration 19:1 =

≤ 95% load on the Inner Leaf
≥ 5% load on the Outer Leaf

Example 4:

Load / ratio calculation:

	Inner Leaf	Outer Leaf	Total
Load (kN)	15	5	20
Load ratio	3	1	≤ 3:1

5: How to interpret the load tables

L1/S 100

This is the specification code that you should reference when contacting an IG Engineer.

- L1 Lintel type 1
- S Standard Loading
- 100 100mm Cavity Width

For cavity widths 90-105mm

The lintels listed in this table are designed for cavities 95mm to 105mm wide.

See Example 1

Manufactured length 150mm increments

Denotes the lintel lengths including end bearing. The 2100mm long lintel in Example 2 is listed in this column.

See Example 2

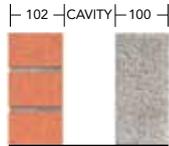
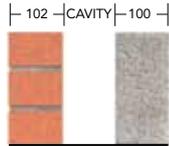
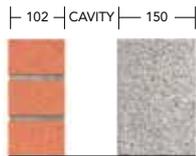
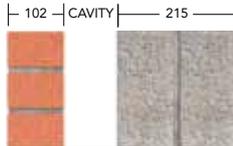
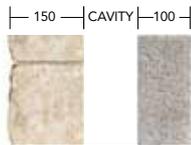
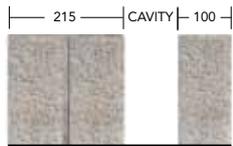
L1/S 100	For cavity widths 90-105mm									
Manufactured length 150mm increments	600 - 1200	1350 - 1500	1650 - 1800	1950 - 2100	2250 - 2400	2550 - 2700	2850 - 3000	3150 - 3600	3750 - 4050	4200 - 4800
Height 'h'	88	88	107	125	150	162	171	200	200	200
Thickness	1.6	2.0	2.0	2.0	2.0	2.6	2.6	3.2	3.2	3.4
Total UDL kN 3:1	12	16	19	21	23	27	27	27	26	27
Total UDL kN 19:1	10	13	16	17	18	22	20	20	19	22

Total UDL

The UDL (Uniformly Distributed Load) is the total load in (kN) that is uniformly distributed along the span of the lintel relative to the load ratio.

See Example 4

Lintel Range Index

WALL TYPE	LOADING	CODE	PAGE
HI-THERM STEEL/GRP LINTEL - CAVITY WALL	LOADING TYPE	CODE	PAGE
Psi 0.05 W/m·K 	Standard Loading	HT/S	19
	Heavy Duty Loading	HT/HD	19
GALVANISED STEEL LINTEL RANGE	LOADING TYPE	CODE	PAGE
CAVITY WALL - 100mm INNER LEAF	Standard Loading	L1/S	20
100mm Inner Leaf Cavity Width 50-165mm 	Heavy Duty Loading	L1/HD	22
		L1/XHD	24
	Extra Heavy Duty Loading	L5	26
		L5/XHD	28
	Extreme Duty Loading	L6	30
CAVITY WALL - WIDE INNER LEAF	LOADING TYPE	CODE	PAGE
125 - 150mm Inner Leaf Cavity Width 50-165mm 	Standard Loading	L1/S WIL	32
	Heavy Duty Loading	L1/HD WIL	34
		L1/XHD WIL	36
	Extra Heavy Duty Loading	L5 WIL	38
		L5/XHD WIL	40
	Extreme Duty Loading	L6 WIL	42
215mm Inner Leaf Cavity Width 50-165mm 	Standard Loading	L1/S WIL 215	44
	Heavy Duty Loading	L1/HD WIL 215	46
	Extreme Duty Loading	L6 WIL 215	48
CAVITY WALL - WIDE OUTER LEAF	LOADING TYPE	CODE	PAGE
125 - 150mm Outer Leaf Cavity Width 50-165mm 	Standard Loading	L1/S WOL	50
	Heavy Duty Loading	L1/HD WOL	52
		L1/XHD WOL	54
	Extra Heavy Duty Loading	L5 WOL	56
		L5/XHD WOL	58
	Extreme Duty Loading	L6 WOL	60
215mm Outer Leaf Cavity Width 50-165mm 	Standard Loading	L1/S WOL 215	62
EAVES LINTEL	LOADING TYPE	CODE	PAGE
	Standard Loading	L1/E 50	65
		L1/E 100	65

WALL TYPE

SOLID WALL - 100mm WALL WIDTH



LOADING

LOADING TYPE **CODE** **PAGE**

Standard Loading	INT 100	66
	L9 SW 100	66
	BOX 75	68
	BOX 100	69
Heavy Duty Loading	HD BOX 100	70

SOLID WALL - 150mm WALL WIDTH



LOADING TYPE **CODE** **PAGE**

Standard Loading	BOX 140	69
Heavy Duty Loading	HD BOX 140	70

SOLID WALL - 215mm WALL WIDTH

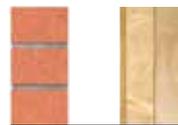


LOADING TYPE **CODE** **PAGE**

Standard Loading	L9	67
	I BEAM 2C	67
	I BEAM 3C	67
	BOX 200	69
Heavy Duty Loading	HD BOX 200	71
Extra Heavy Duty Loading	I BEAM XHD	67

TIMBER FRAME WALL

Various Cavity Widths



LOADING TYPE **CODE** **PAGE**

Standard Loading	L7	73
Heavy Duty Loading	L7/HD	74
Extra Heavy Duty Loading	L7/XHD	75

SINGLE LEAF WALL

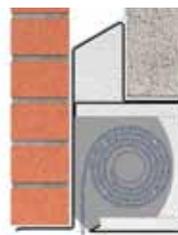


LOADING TYPE **CODE** **PAGE**

Standard Loading	L8	76
	L8 RB	77
	L10	78
	L11	79

EXTENDED LINTEL RANGE

Various Cavity Widths



PRODUCT TYPE **CODE** **PAGE**

Thin Joint Lintels	L1/TJ 50, L9/TJ	80
Roller Shutter	-	82
Cant Brick/Stepped Lintel	-	83
Feature Plate	-	83
Universal Arch Lintel	IGAR	83
Weep Vents & Stop Ends	-	84

STAINLESS STEEL RANGE LINTEL RANGE

Various Cavity Widths



PAGE

IG Standard Lintels are also available in stainless steel. Outstanding durability through austenitic chromium nickel steel BS EN 10088-part 2 Astm 240 (European Grade 1.4307). Suitable for use in coastal and industrial environments. All IG galvanised steel loading tables apply.	86
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Cavity Wall

Cavity widths from 90mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

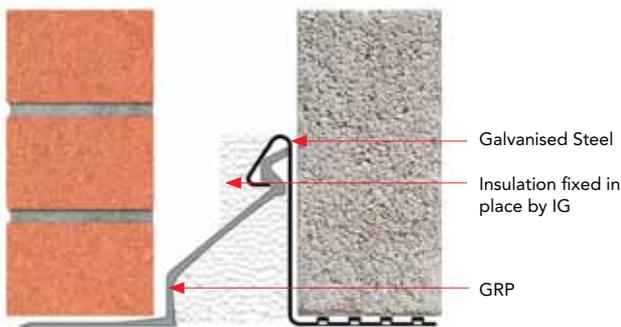
Fax Back Enquiry Forms are also available for download.

www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Hi-Therm Lintel

IG leads the way with the development of a completely unique lintel range to address the thermal requirements of new building regulations.



Psi 0.05 W/m·K

Building regulations require that lintels should be assessed for their effect on the thermal performance of a building. The thermal performance of a lintel is expressed in terms of Psi Values (Ψ) i.e. linear thermal transmittance.

Psi COMPARISON CHART

To help understand the immense thermal benefits of the Hi-Therm Lintel it must be compared to other lintel types.

Lintel type comparison	Values
IG Hi-Therm Lintel	0.05 W/m·K
Typical IG Lintel	0.23 W/m·K
Non-plated Steel Lintel (default)	0.3 W/m·K
Plated Steel Lintel (default)	0.5 W/m·K

bre

THERMAL
PERFORMANCE
TESTING

Testing of IG's Hi-Therm Lintel was carried out by the BRE (Building Research Establishment) using Physibel's thermal analysis software TRISCO which complies with BS EN ISO 10211-1. The modeling follows the requirements of the BRE conventions document BR497.

KEY BENEFITS

- Up to 5 times more thermally efficient than a steel cavity wall lintel, Hi-Therm outperforms other lintels.
- The significant reductions in thermal bridging due to the GRP component will assist in the building design process to achieve compliance with Part L and The Code for Sustainable Homes.
- The use of Hi-Therm will make a significant contribution to a buildings performance in respect of the Fabric Energy Efficiency Standards (FEES).
- Outperforms Stainless Steel on price and corrosion resistance.
- Hi-Therm has achieved the 1 hour fire resistance test as carried out by Exova Warringtonfire utilising the heating conditions of BS EN 1363-1 1999.

DESIGN FEATURES

- Patented GRP and Galvanised Steel hybrid design.
- Galvanised steel is used to support the heavier load on the inner leaf of the cavity wall.
- Profiled CFC free insulation ensures the continuity of insulation.

DAMP PROOFING

Not required on Hi-Therm lintels.

*Check severe exposure.



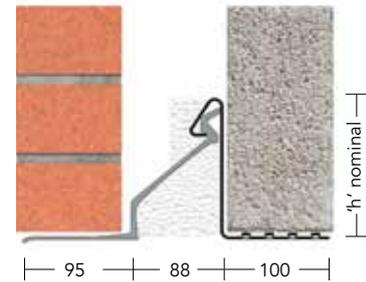
HI-THERM LINTEL

**HT/S Standard Load
HT/HD Heavy Duty Load**

Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Insulation fixed on top of the lintel has been cut back on this illustration for clarity.

HT/S 100	For cavity widths 90-105mm			
HT/S 130	For cavity widths 130-145mm			
HT/S 150	For cavity widths 150-165mm			
Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 3000	3150- 3600
Height 'h'	135	150	229	215
Thickness	2.5	2.9	2.9	3.2
Total UDL kN 3:1	20	21	27	27
Total UDL kN 19:1	17	17	20	20

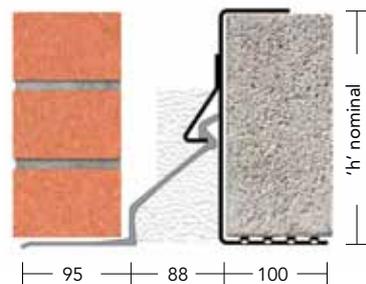
Standard Load



NOTE The exact lintel profile will vary dependent on lintel length and loading

HT/HD 100	For cavity widths 90-105mm			
HT/HD 130	For cavity widths 130-145mm			
HT/HD 150	For cavity widths 150-165mm			
Manufactured length 150mm increments	600- 1500	1650- 2400	2550- 3000	3150- 3600
Height 'h'	150	229	229	215
Thickness	3.2	2.9	3.2	2.9
Total UDL kN 3:1	30	40	40	35
Total UDL kN 19:1	22	35	35	32

Heavy Duty Load



NOTE The exact lintel profile will vary dependent on lintel length and loading

Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

Standard Load

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

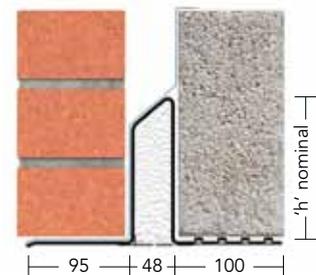
LINTEL HOTLINE
01633 486486

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www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

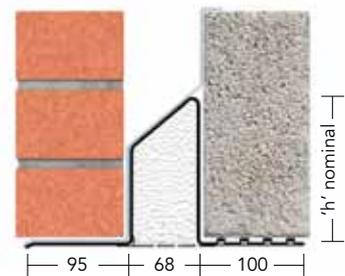
L1/S 50		For cavity widths 50-65mm									
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 2400	2550- 2700	2850- 3000	3150- 3600	3750- 4050	4200- 4800	
Height 'h'	79	95	110	134	150	172	172	209	209	209	
Thickness	1.6	2.0	2.0	2.0	2.0	2.0	2.6	3.2	3.2	3.4	
Total UDL kN 3:1	12	14	19	21	21	26	27	27	26	27	
Total UDL kN 19:1	10	12	16	17	19	22	20	20	19	22	

50-65mm cavity



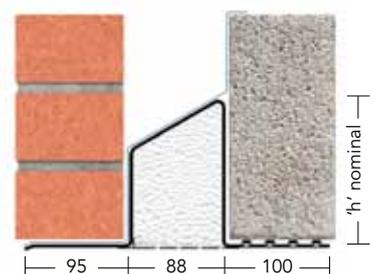
L1/S 75		For cavity widths 70-85mm									
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 2400	2550- 3000	3150- 3600	3750- 4050	4200- 4800		
Height 'h'	98	89	106	130	142	168	204	204	204		
Thickness	1.6	2.0	2.0	2.0	2.0	2.6	3.2	3.2	3.4		
Total UDL kN 3:1	12	14	18	21	21	27	27	26	27		
Total UDL kN 19:1	10	12	14	17	19	22	20	19	22		

70-85mm cavity



L1/S 100		For cavity widths 90-105mm									
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 2400	2550- 2700	2850- 3000	3150- 3600	3750- 4050	4200- 4800	
Height 'h'	88	88	107	125	150	162	171	200	200	200	
Thickness	1.6	2.0	2.0	2.0	2.0	2.6	2.6	3.2	3.2	3.4	
Total UDL kN 3:1	12	16	19	21	23	27	27	27	26	27	
Total UDL kN 19:1	10	13	16	17	18	22	20	20	19	22	

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

STANDARD LOAD

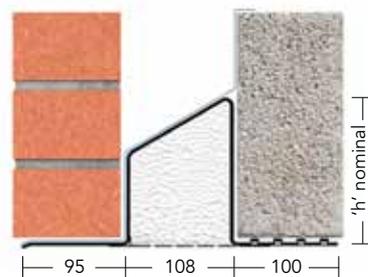
L1/S

Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



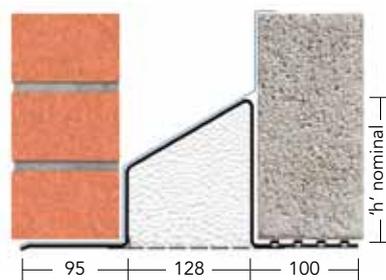
L1/S 110	For cavity widths 110-125mm					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050	4200- 4800
Height 'h'	95	121	145	195	195	195
Thickness	2.0	2.0	2.6	2.9	3.2	3.4
Total UDL kN 3:1	16	22	24	27	26	25
Total UDL kN 19:1	13	18	18	22	19	20

110-125mm cavity



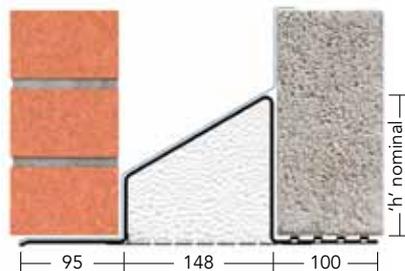
L1/S 130	For cavity widths 130-145mm					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050	4200- 4800
Height 'h'	103	128	190	190	190	190
Thickness	2.0	2.0	2.5	2.9	3.2	3.4
Total UDL kN 3:1	16	22	24	27	26	25
Total UDL kN 19:1	13	18	18	22	19	20

130-145mm cavity



L1/S 150	For cavity widths 150-165mm					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050	4200- 4800
Height 'h'	100	125	180	180	180	180
Thickness	2.0	2.0	2.6	2.9	3.2	3.4
Total UDL kN 3:1	16	22	24	27	26	25
Total UDL kN 19:1	13	18	18	22	19	20

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

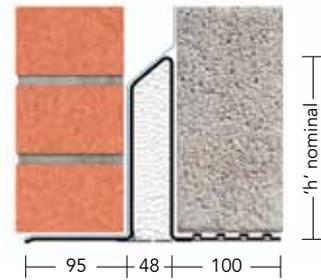
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www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Heavy Duty Load

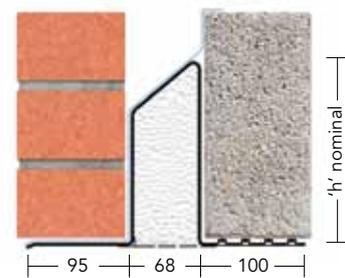
L1/HD 50	For cavity widths 50-65mm						
Manufactured length 150mm increments	600- 1350	1500	1650	1800- 2100	2250- 3000	3150- 3600	3750- 4000
Height 'h'	105	121	121	171	209	209	209
Thickness	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Total UDL kN 3:1	21	27	27	32	37	34	30
Total UDL kN 19:1	18	22	22	24	33	31	27

50-65mm cavity



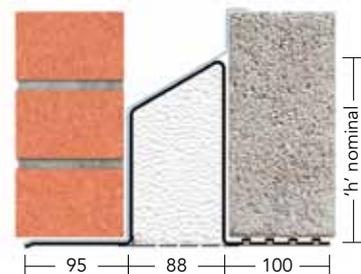
L1/HD 75	For cavity widths 70-85mm						
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600	3750- 4200
Height 'h'	103	117	167	205	205	205	205
Thickness	2.9	2.9	2.9	2.9	3.2	3.2	3.2
Total UDL kN 3:1	30	30	40	40	40	35	33
Total UDL kN 19:1	22	22	35	35	35	32	28

70-85mm cavity



L1/HD 100	For cavity widths 90-105mm						
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600	3750- 4200
Height 'h'	110	135	163	203	203	203	203
Thickness	2.9	2.9	2.9	2.9	3.2	3.2	3.2
Total UDL kN 3:1	30	30	40	40	40	35	33
Total UDL kN 19:1	22	22	35	35	35	32	28

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

HEAVY DUTY LOAD L1/HD

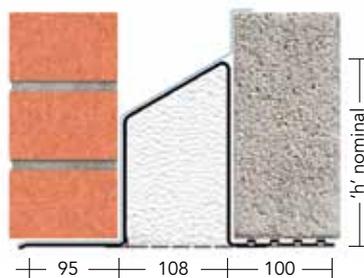
Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



L1/HD 110 For cavity widths 110-125mm

Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 3000	3150- 3600	3750- 4050
Height 'h'	125	145	195	195	195
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	35	32	30
Total UDL kN 19:1	20	22	30	28	26

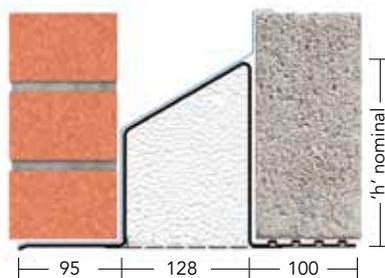
110-125mm cavity



L1/HD 130 For cavity widths 130-145mm

Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 3000	3150- 3600	3750- 4050
Height 'h'	115	155	190	190	212
Thickness	2.9	2.9	3.2	3.2	3.2
Total UDL kN 3:1	30	30	35	30	30
Total UDL kN 19:1	20	22	30	25	26

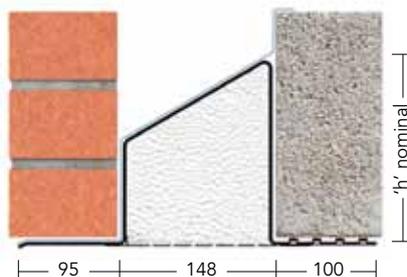
130-145mm cavity



L1/HD 150 For cavity widths 150-165mm

Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 3000	3150- 3600	3750- 4050
Height 'h'	125	160	180	180	200
Thickness	2.9	2.9	3.2	3.2	3.2
Total UDL kN 3:1	30	30	35	30	30
Total UDL kN 19:1	20	22	30	25	26

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

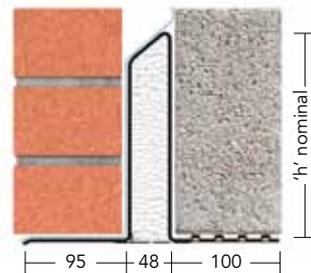
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www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Heavy Duty Load

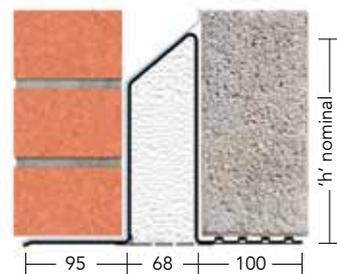
L1/XHD 50	For cavity widths 50-65mm			
Manufactured length 150mm increments	600-1500	1650-1800	1950-2100	2250-2700
Height 'h'	171	171	209	209
Thickness	3.2	3.2	3.2	3.2
Total UDL kN 3:1	50	50	55	50
Total UDL kN 19:1	45	45	45	40

50-65mm cavity



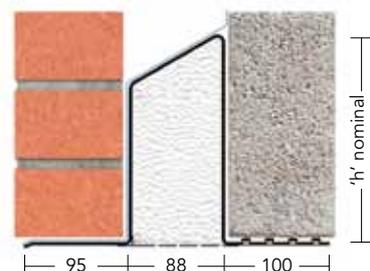
L1/XHD 75	For cavity widths 70-85mm			
Manufactured length 150mm increments	600-1500	1650-1800	1950-2100	2250-2700
Height 'h'	167	167	205	205
Thickness	3.2	3.2	3.2	3.2
Total UDL kN 3:1	50	50	55	50
Total UDL kN 19:1	45	45	45	40

70-85mm cavity



L1/XHD 100	For cavity widths 90-105mm			
Manufactured length 150mm increments	600-1500	1650-1800	1950-2100	2250-2700
Height 'h'	163	163	203	203
Thickness	3.2	3.2	3.2	3.2
Total UDL kN 3:1	50	50	55	50
Total UDL kN 19:1	45	45	45	40

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

HEAVY DUTY LOAD L1/XHD

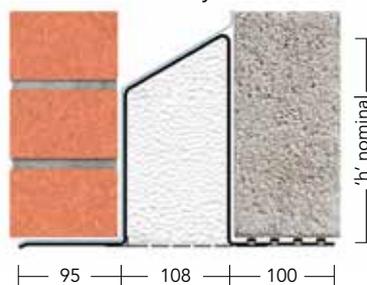
Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



L1/XHD 110 For cavity widths 110-125mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	145	145	195
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

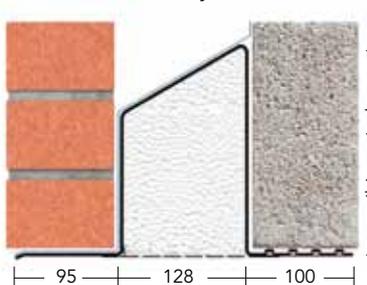
110-125mm cavity



L1/XHD 130 For cavity widths 130-145mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	155	155	212
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

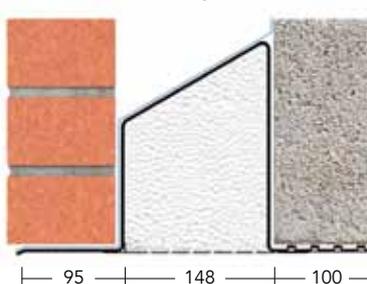
130-145mm cavity



L1/XHD 150 For cavity widths 150-165mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	160	160	200
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

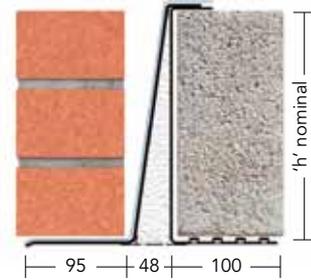
Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Extra Heavy Duty Load

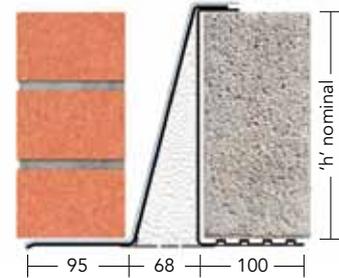
L5/ 50	For cavity widths 50-65mm		
Manufactured length 150mm increments	600- 2400	2550- 3600	3750- 4800
Height 'h'	229	229	229
Thickness	2.5	3.0	3.0
Total UDL kN 19:1	48	50	38

50-65mm cavity



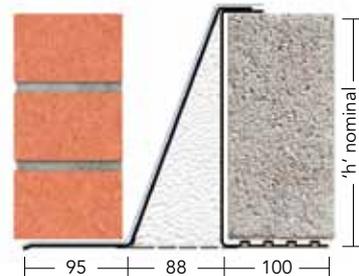
L5/ 75	For cavity widths 70-85mm		
Manufactured length 150mm increments	600- 2400	2550- 3600	3750- 4800
Height 'h'	229	229	229
Thickness	2.5	3.0	3.0
Total UDL kN 19:1	48	50	38

70-85mm cavity



L5/ 100	For cavity widths 90-105mm		
Manufactured length 150mm increments	600- 2400	2550- 3600	3750- 4800
Height 'h'	229	229	229
Thickness	2.5	3.0	3.0
Total UDL kN 19:1	48	50	38

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

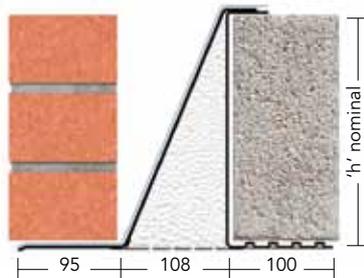


EXTRA HEAVY DUTY LOAD L5

To achieve loading figures lintel must be built in with blockwork as shown. Ensure all perpendicular and horizontal joints are filled with mortar. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

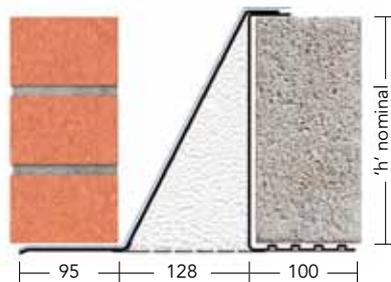
L5/ 110		For cavity widths 110-125mm		
Manufactured length 150mm increments		600- 2400	2550- 3600	3750- 4800
Height 'h'		229	229	229
Thickness		2.5	3.0	3.0
Total UDL kN 19:1		48	50	38

110-125mm cavity



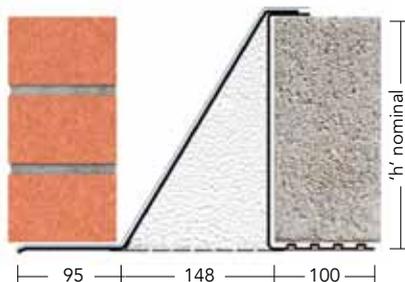
L5/ 130		For cavity widths 130-145mm		
Manufactured length 150mm increments		600- 2400	2550- 3600	3750- 4800
Height 'h'		229	229	229
Thickness		2.5	3.0	3.0
Total UDL kN 19:1		48	50	38

130-145mm cavity



L5/ 150		For cavity widths 150-165mm		
Manufactured length 150mm increments		600- 2400	2550- 3600	3750- 4800
Height 'h'		229	229	229
Thickness		2.5	3.0	3.0
Total UDL kN 19:1		48	50	38

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

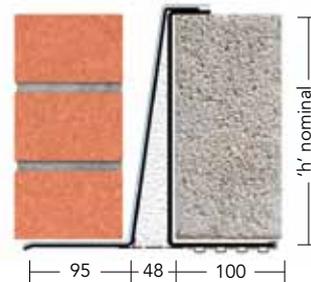
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IG Fastrack CAD Database is accessible from iglintels.com

Extra Heavy Duty Load

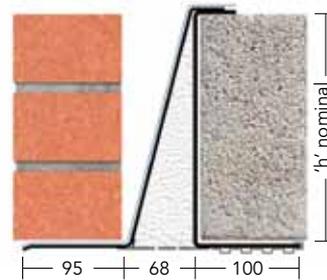
L5/XHD 50 For cavity widths 50-65mm					
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600	3750- 4800-
Height 'h'	235	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	100	90	80	65	50

50-65mm cavity



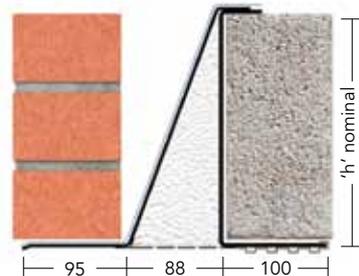
L5/XHD 75 For cavity widths 70-85mm					
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600	3750- 4800-
Height 'h'	235	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	100	90	80	65	50

70-85mm cavity



L5/XHD 100 For cavity widths 90-105mm					
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600	3750- 4800-
Height 'h'	235	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	100	90	80	65	50

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

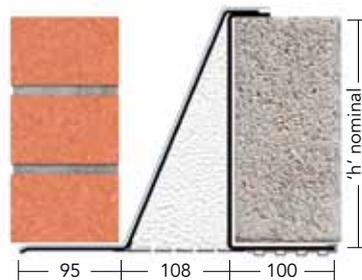


EXTRA HEAVY DUTY LOAD L5/XHD

To achieve loading figures lintel must be built in with blockwork as shown. Ensure all perpendicular and horizontal joints are filled with mortar. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

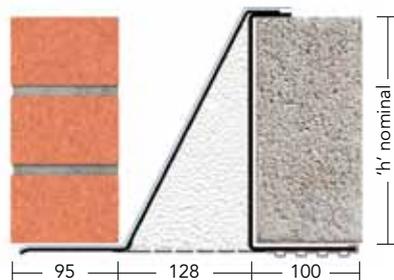
L5/XHD 110 For cavity widths 110-125mm					
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600	3750- 4800-
Height 'h'	235	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	100	90	80	65	50

110-125mm cavity



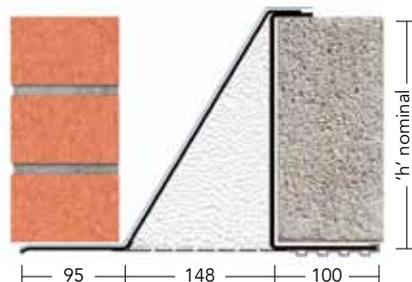
L5/XHD 130 For cavity widths 130-145mm					
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600	3750- 4800-
Height 'h'	235	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	100	90	80	65	50

130-145mm cavity



L5/XHD 150 For cavity widths 150-165mm					
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600	3750- 4800-
Height 'h'	235	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	100	90	80	65	50

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

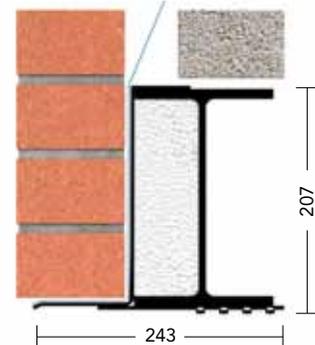
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IG Fastrack CAD Database is accessible from iglintels.com

Extreme Load

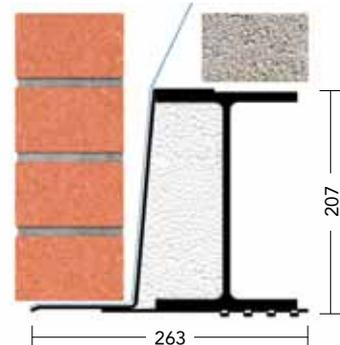
L6/ 50	For cavity widths 50-65mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

50-65mm cavity



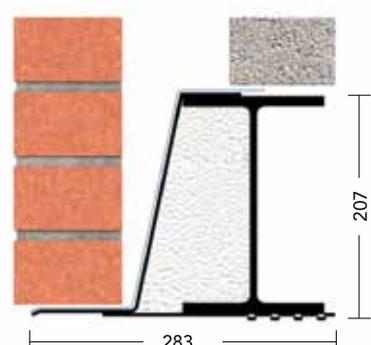
L6/ 75	For cavity widths 70-85mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

70-85mm cavity



L6/ 100	For cavity widths 90-105mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

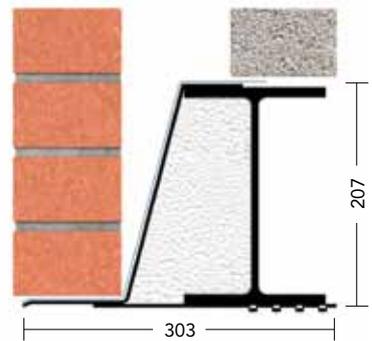


EXTREME LOAD L6

To achieve loading figures lintel must be laterally restrained. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Galvanised steel flange to outer leaf.

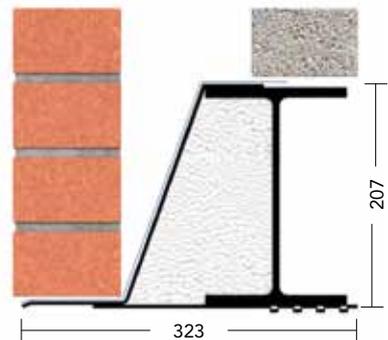
L6/ 110	For cavity widths 110-125mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

110-125mm cavity



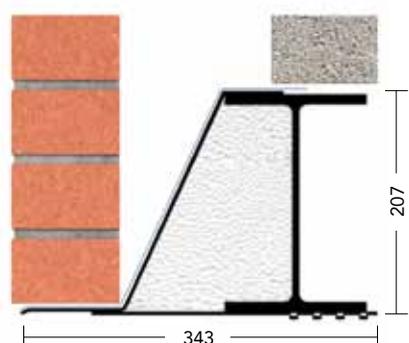
L6/ 130	For cavity widths 130-145mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

130-145mm cavity



L6/ 150	For cavity widths 150-165mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

150-165mm cavity



Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	125mm - 150mm

Standard Load

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

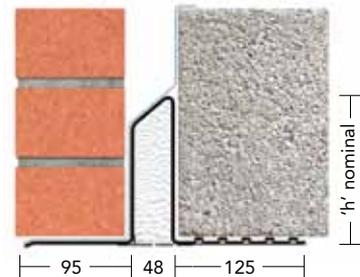
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L1/S 50 WIL	For cavity widths 50-65mm								
Manufactured length 150mm increments	600-1350	1500-1650	1800	1950-2100	2250-2400	2550-3000	3150-3600	3750-4050	4200
Height 'h'	91	96	110	136	162	172	196	196	196
Thickness	1.6	2.0	2.0	2.0	2.0	2.6	3.2	3.2	3.4
Total UDL kN 3:1	12	12	15	20	24	28	30	27	26
Total UDL kN 19:1	10	10	13	18	20	21	26	25	22

For 150mm wide inner leaf blockwork.

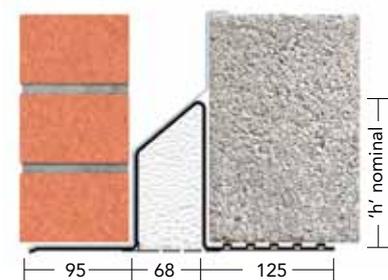
50-65mm cavity



L1/S 75 WIL	For cavity widths 70-85mm								
Manufactured length 150mm increments	600-1350	1500-1650	1800	1950-2100	2250-2400	2550-3000	3150-3600	3750-4050	4200
Height 'h'	93	90	100	134	158	167	192	192	192
Thickness	1.6	2.0	2.0	2.0	2.0	2.6	3.2	3.2	3.4
Total UDL kN 3:1	12	13	20	19	24	27	30	27	26
Total UDL kN 19:1	10	11	17	17	20	21	26	25	22

For 150mm wide inner leaf blockwork.

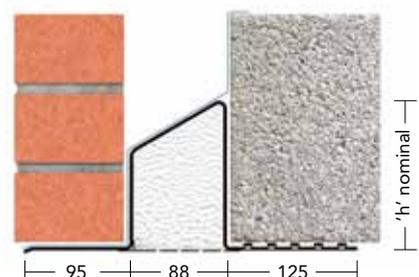
70-85mm cavity



L1/S 100 WIL	For cavity widths 90-105mm						
Manufactured length 150mm increments	600-1200	1350-1800	1950-2400	2550-3000	3150-3600	3750-4050	4200
Height 'h'	82	107	142	177	191	187	187
Thickness	1.6	2.0	2.0	2.6	3.2	3.2	3.4
Total UDL kN 3:1	13	17	23	24	30	27	26
Total UDL kN 19:1	11	14	18	18	26	25	21

For 150mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

**STANDARD LOAD
WIDE INNER LEAF**

L1/S WIL

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm.

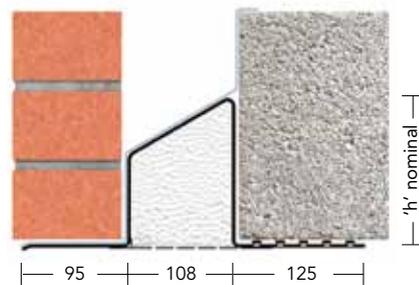


102mm Outer Leaf
150mm Inner Leaf

L1/S 110 WIL For cavity widths 110-125mm					
Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	95	107	142	185	185
Thickness	2.0	2.0	2.6	2.9	3.2
Total UDL kN 3:1	13	17	23	24	24
Total UDL kN 19:1	11	14	18	18	17

For 150mm wide inner leaf blockwork.

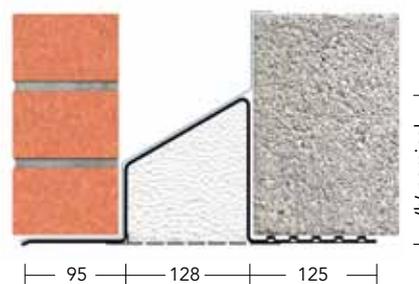
110-125mm cavity



L1/S 130 WIL For cavity widths 130-145mm					
Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	90	118	178	178	178
Thickness	2.0	2.0	2.6	2.9	3.2
Total UDL kN 3:1	13	17	23	24	24
Total UDL kN 19:1	11	14	18	18	17

For 150mm wide inner leaf blockwork.

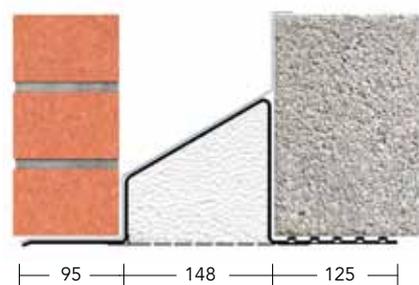
130-145mm cavity



L1/S 150 WIL For cavity widths 150-165mm					
Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	88	115	168	168	168
Thickness	2.0	2.0	2.6	2.9	3.2
Total UDL kN 3:1	13	17	23	24	24
Total UDL kN 19:1	11	14	18	18	17

For 150mm wide inner leaf blockwork.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	125mm - 150mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

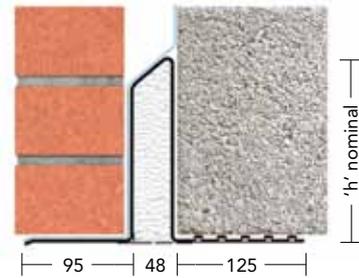
IG Fastrack CAD Database is accessible from iglintels.com

Heavy Duty Load

L1/HD 50 WIL For cavity widths 50-65mm					
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 2700
Height 'h'	95	110	161	161	200
Thickness	2.9	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	25	35	30	36
Total UDL kN 19:1	17	22	27	25	32

For 150mm wide inner leaf blockwork.

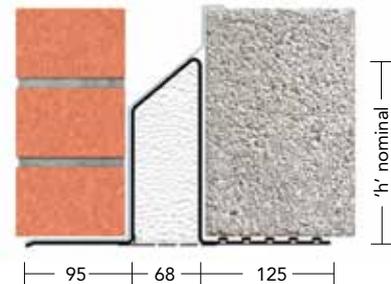
50-65mm cavity



L1/HD 75 WIL For cavity widths 70-85mm				
Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	130	155	192	192
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	35	30	36
Total UDL kN 19:1	17	27	25	32

For 150mm wide inner leaf blockwork.

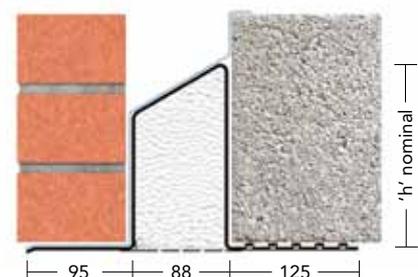
70-85mm cavity



L1/HD 100 WIL For cavity widths 90-105mm				
Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	113	144	165	188
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	35	30	36
Total UDL kN 19:1	17	27	25	32

For 150mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

**HEAVY DUTY LOAD
WIDE INNER LEAF**

L1/HD WIL

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm. Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load.



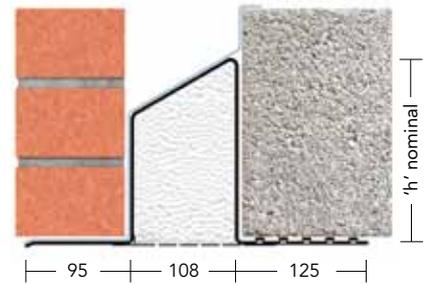
102mm Outer Leaf
150mm Inner Leaf

L1/HD 110 WIL For cavity widths 110-125mm

Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	131	148	195	195
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide inner leaf blockwork.

110-125mm cavity

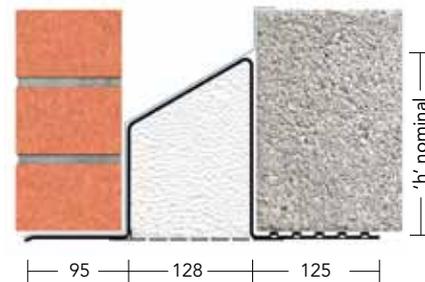


L1/HD 130 WIL For cavity widths 130-145mm

Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	115	155	190	212
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide inner leaf blockwork.

130-145mm cavity

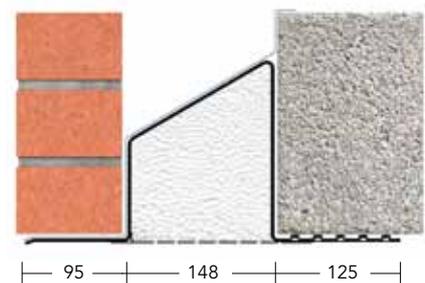


L1/HD 150 WIL For cavity widths 150-165mm

Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	113	148	168	168
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide inner leaf blockwork.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	125mm - 150mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
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Fax Back Enquiry Forms are also available for download.
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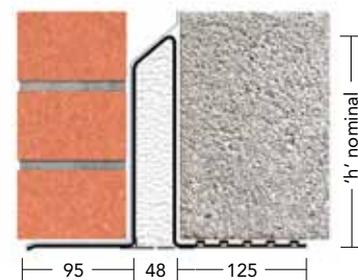
Heavy Duty Load

L1/XHD 50 WIL For cavity widths 50-65mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	161	196	196
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide inner leaf blockwork.

50-65mm cavity

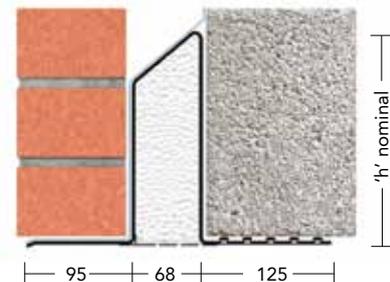


L1/XHD 75 WIL For cavity widths 70-85mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	155	192	192
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide inner leaf blockwork.

70-85mm cavity

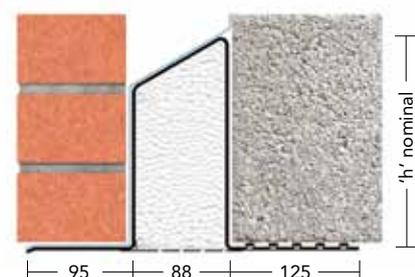


L1/XHD 100 WIL For cavity widths 90-105mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	165	188	188
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

HEAVY DUTY LOAD WIDE INNER LEAF

L1/XHD WIL

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm. Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load.

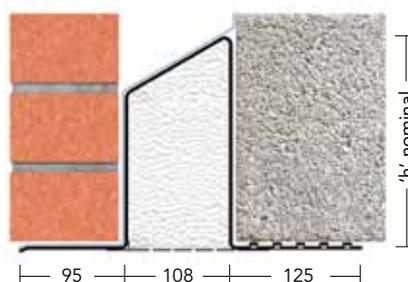
102mm Outer Leaf
150mm Inner Leaf

L1/XHD 110 WIL For cavity widths 110-125mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	182	182	182
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide inner leaf blockwork.

110-125mm cavity

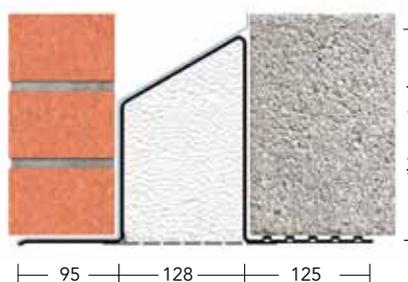


L1/XHD 130 WIL For cavity widths 130-145mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	178	178	178
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide inner leaf blockwork.

130-145mm cavity

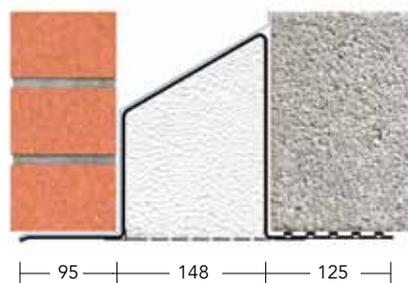


L1/XHD 150 WIL For cavity widths 150-165mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	178	178	178
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide inner leaf blockwork.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	125mm - 150mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
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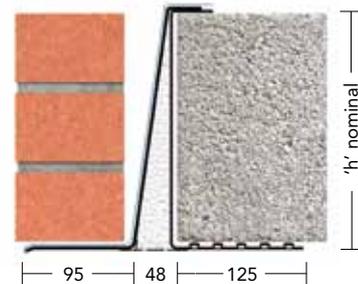
IG Fastrack CAD Database is accessible from iglintels.com

Extra Heavy Duty Load

L5/50 WIL	For cavity widths 50-65mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide inner leaf blockwork.

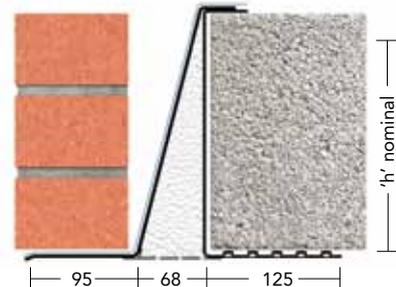
50-65mm cavity



L5/75 WIL	For cavity widths 70-85mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide inner leaf blockwork.

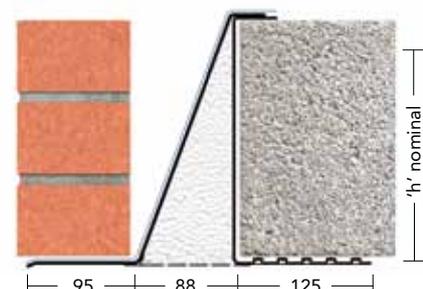
70-85mm cavity



L5/100 WIL	For cavity widths 90-105mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

**EXTRA HEAVY DUTY LOAD
WIDE INNER LEAF**

L5/ WIL

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm. Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load.

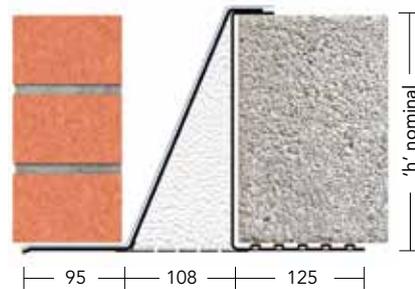


102mm Outer Leaf
150mm Inner Leaf

L5/110 WIL	For cavity widths 110-125mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide inner leaf blockwork.

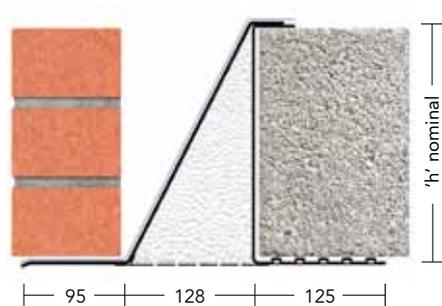
110-125mm cavity



L5/130 WIL	For cavity widths 130-145mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide inner leaf blockwork.

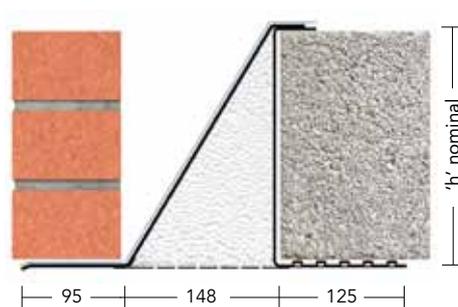
130-145mm cavity



L5/150 WIL	For cavity widths 150-165mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide inner leaf blockwork.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	125mm - 150mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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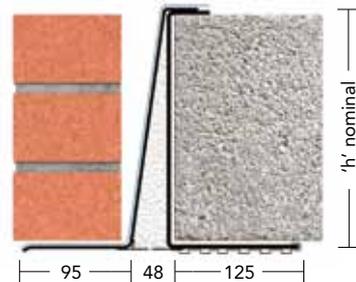
IG Fastrack CAD Database is accessible from iglintels.com

Extra Heavy Duty Load

L5/XHD 50 WIL For cavity widths 50-65mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide inner leaf blockwork.

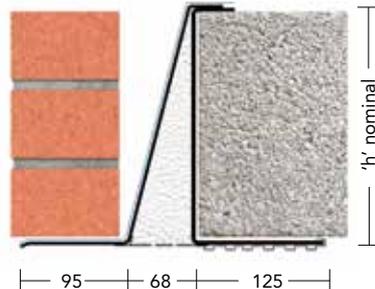
50-65mm cavity



L5/XHD 75 WIL For cavity widths 70-85mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide inner leaf blockwork.

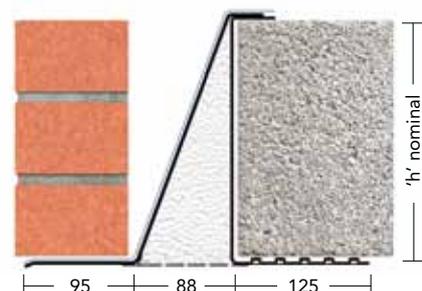
70-85mm cavity



L5/XHD 100 WIL For cavity widths 90-105mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**EXTRA HEAVY DUTY LOAD
WIDE INNER LEAF**

L5/XHD WIL

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm. Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load.

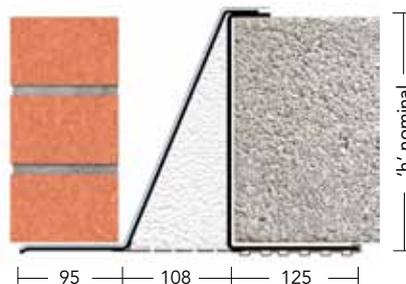
102mm Outer Leaf
150mm Inner Leaf

L5/XHD 110 WIL For cavity widths 110-125mm

Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide inner leaf blockwork.

110-125mm cavity

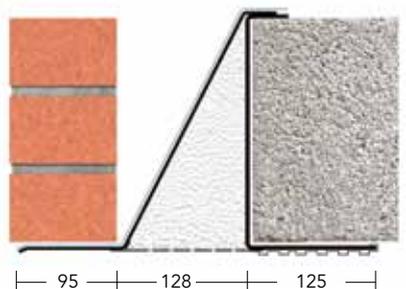


L5/XHD 130 WIL For cavity widths 130-145mm

Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide inner leaf blockwork.

130-145mm cavity

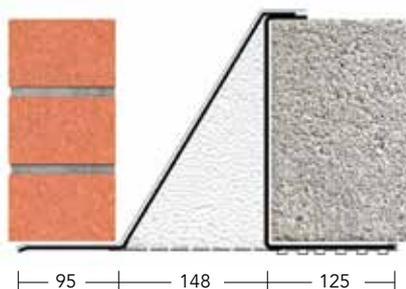


L5/XHD 150 WIL For cavity widths 150-165mm

Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide inner leaf blockwork.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	125mm - 150mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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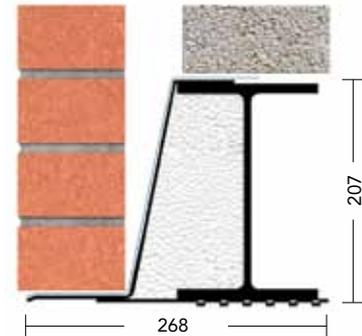
IG Fastrack CAD Database is accessible from iglintels.com

Extreme Load

L6/50 WIL	For cavity widths 50-65mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide inner leaf blockwork.

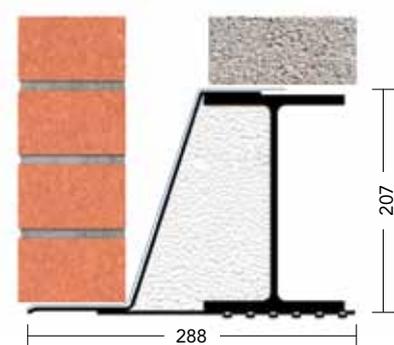
50-65mm cavity



L6/75 WIL	For cavity widths 70-85mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide inner leaf blockwork.

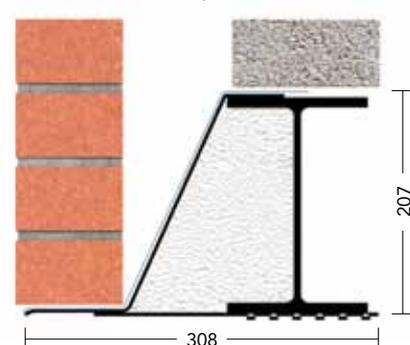
70-85mm cavity



L6/100 WIL	For cavity widths 90-105mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**EXTREME LOAD
WIDE INNER LEAF**

L6/ WIL

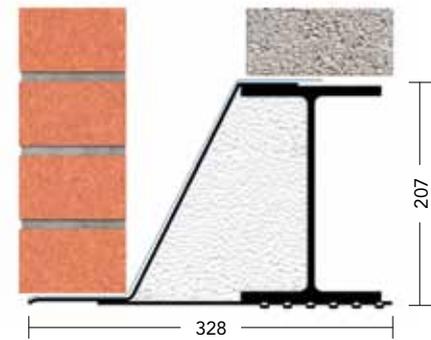
To achieve loading figures lintel must be laterally restrained.
Lintels may be propped to facilitate speed of construction.
See Lintel Installation on page 12.

102mm Outer Leaf
150mm Inner Leaf

L6/110 WIL	For cavity widths 110-125mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide inner leaf blockwork.

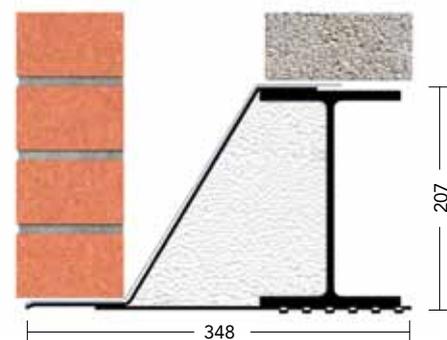
110-125mm cavity



L6/130 WIL	For cavity widths 130-145mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide inner leaf blockwork.

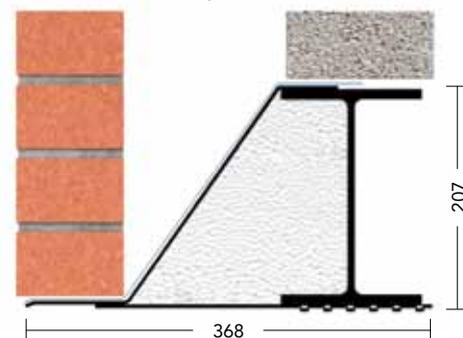
130-145mm cavity



L6/150 WIL	For cavity widths 150-165mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide inner leaf blockwork.

150-165mm cavity



Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	215mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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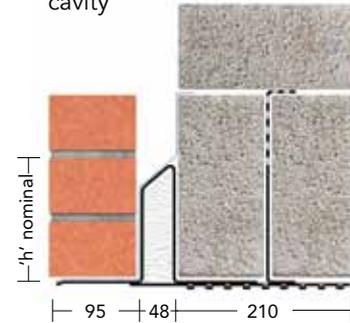
IG Fastrack CAD Database is accessible from iglintels.com

Standard Load

L1/S 50 WIL 215 Cavity widths 50-65mm						
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	78	104	121	146	171	209
Thickness	2.5	2.5	2.5	2.5	2.5	2.9
Total UDL kN 3:1	25	25	25	30	35	40
Total UDL kN 19:1	20	20	20	25	30	35
Fin Height	100	120	140	175	225	225

For 215mm wide inner leaf blockwork.

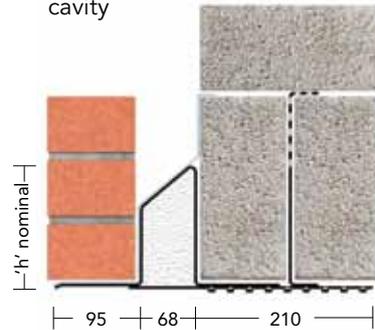
50-65mm
cavity



L1/S 75 WIL 215 Cavity widths 70-85mm					
Manufactured length 150mm increments	600- 1650	1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	100	117	142	168	204
Thickness	2.5	2.5	2.5	2.5	2.9
Total UDL kN 3:1	25	25	30	35	40
Total UDL kN 19:1	20	20	25	30	35
Fin Height	120	140	175	225	225

For 215mm wide inner leaf blockwork.

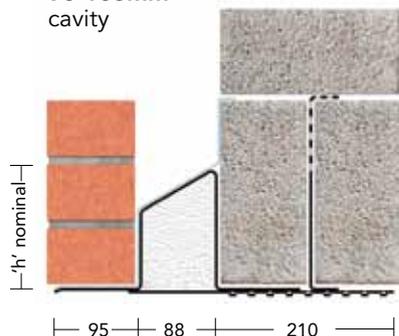
70-85mm
cavity



L1/S 100 WIL 215 Cavity widths 90-105mm						
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 4050
Height 'h'	90	105	138	163	171	200
Thickness	2.5	2.5	2.5	2.5	2.5	2.9
Total UDL kN 3:1	25	25	30	35	35	40
Total UDL kN 19:1	20	20	25	30	30	35
Fin Height	100	120	175	225	225	225

For 215mm wide inner leaf blockwork.

90-105mm
cavity



DAMP PROOFING Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

**STANDARD LOAD
WIDE INNER LEAF**

L1/S WIL 215

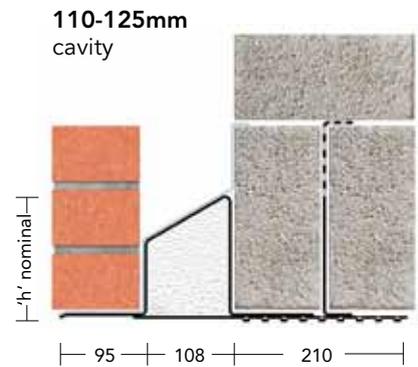
Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm.



102mm Outer Leaf
215mm Inner Leaf

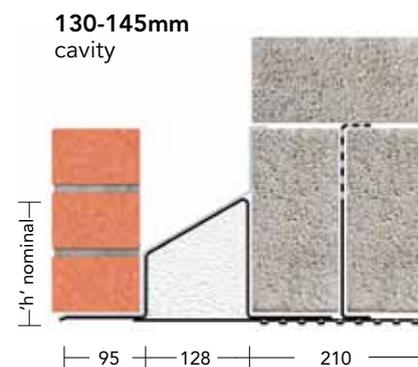
L1/S 110 WIL 215 Cavity widths 110-125mm					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	95	121	145	195	195
Thickness	2.5	2.5	2.5	2.5	2.9
Total UDL kN 3:1	25	25	30	35	40
Total UDL kN 19:1	20	20	25	30	35
Fin Height	120	140	175	225	225

For 215mm wide inner leaf blockwork.



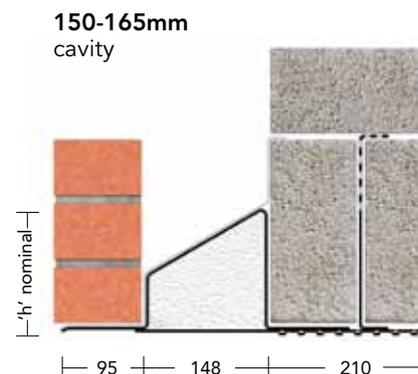
L1/S 130 WIL 215 Cavity widths 130-145mm					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	103	128	190	190	190
Thickness	2.5	2.5	2.5	2.5	2.9
Total UDL kN 3:1	25	25	30	35	40
Total UDL kN 19:1	20	20	25	30	35
Fin Height	120	140	175	225	225

For 215mm wide inner leaf blockwork.



L1/S 150 WIL 215 Cavity widths 150-165mm					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 3000	3150- 4050
Height 'h'	103	128	190	190	190
Thickness	2.5	2.5	2.5	2.5	2.9
Total UDL kN 3:1	25	25	30	35	40
Total UDL kN 19:1	20	20	25	30	35
Fin Height	120	140	175	225	225

For 215mm wide inner leaf blockwork.



Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	215mm

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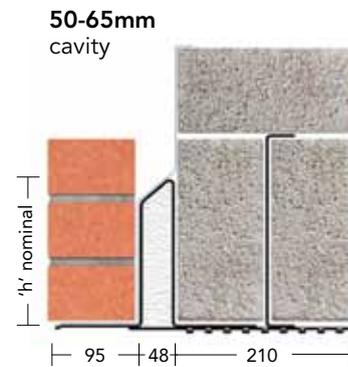
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IG Fastrack CAD Database is accessible from iglintels.com

Heavy Duty Load

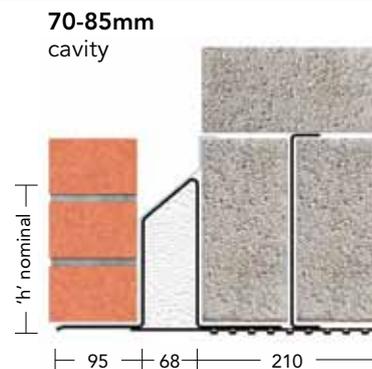
L1/HD 50 WIL 215 Cavity widths 50-65mm			
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	146	171	209
Thickness	2.5	2.5	2.9
Total UDL kN 3:1	40	45	50
Total UDL kN 19:1	35	40	45
Fin Height	175	225	225

For 215mm wide inner leaf blockwork.



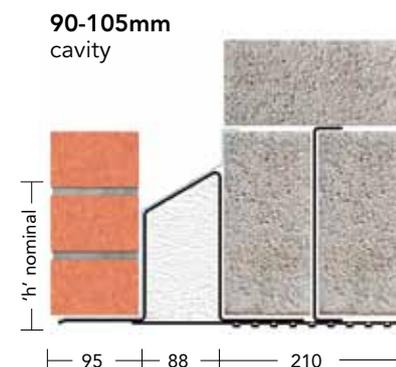
L1/HD 75 WIL 215 Cavity widths 70-85mm			
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	142	168	204
Thickness	2.5	2.5	2.9
Total UDL kN 3:1	40	45	50
Total UDL kN 19:1	35	40	45
Fin Height	175	225	225

For 215mm wide inner leaf blockwork.



L1/HD 100 WIL 215 Cavity widths 90-105mm			
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	145	192	195
Thickness	2.5	2.5	2.9
Total UDL kN 3:1	40	45	50
Total UDL kN 19:1	35	40	45
Fin Height	175	225	225

For 215mm wide inner leaf blockwork.



DAMP PROOFING Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

HEAVY DUTY LOAD WIDE INNER LEAF

L1/HD WIL 215

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12. Inner leaf block should not overhang the lintel flange by more than 25mm.

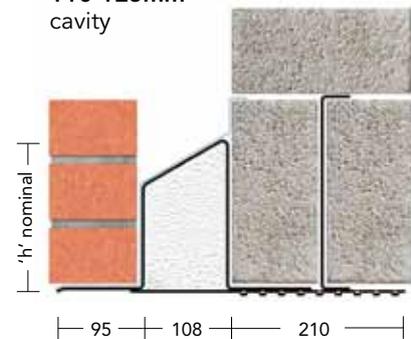
102mm Outer Leaf
215mm Inner Leaf

L1/HD 110 WIL 215 Cavity widths 110-125mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	145	195	195
Thickness	2.5	2.5	2.9
Total UDL kN 3:1	40	45	50
Total UDL kN 19:1	35	40	45
Fin Height	175	225	225

For 215mm wide inner leaf blockwork.

110-125mm cavity

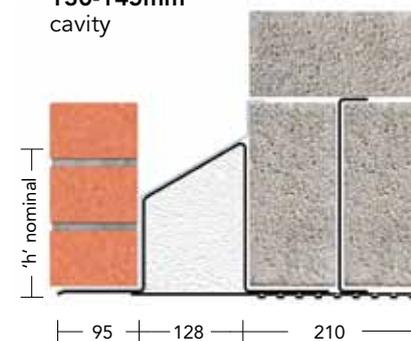


L1/HD 130 WIL 215 Cavity widths 130-145mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	190	190	190
Thickness	2.5	2.5	2.9
Total UDL kN 3:1	40	45	50
Total UDL kN 19:1	35	40	45
Fin Height	175	225	225

For 215mm wide inner leaf blockwork.

130-145mm cavity

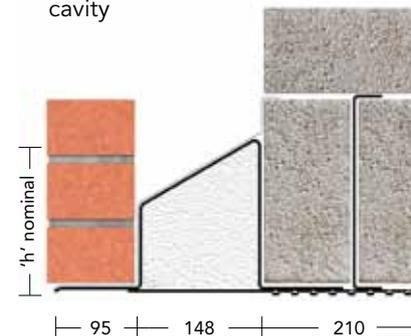


L1/HD 150 WIL 215 Cavity widths 150-165mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	180	180	180
Thickness	2.5	2.5	2.9
Total UDL kN 3:1	40	45	50
Total UDL kN 19:1	35	40	45
Fin Height	175	225	225

For 215mm wide inner leaf blockwork.

150-165mm cavity



Wide Inner Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
102mm	215mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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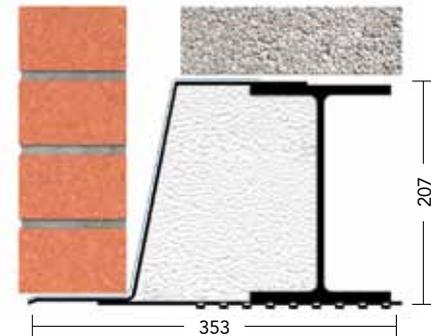
IG Fastrack CAD Database is accessible from iglintels.com

Extreme Load

L6/50 WIL 215	Cavity widths 50-65mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 215mm wide inner leaf blockwork.

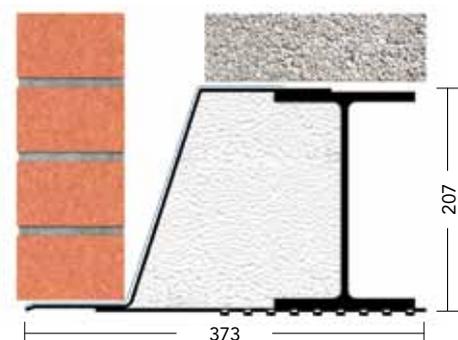
50-65mm cavity



L6/75 WIL 215	Cavity widths 70-85mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 215mm wide inner leaf blockwork.

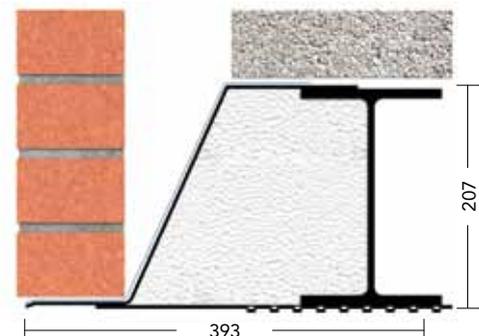
70-85mm cavity



L6/100 WIL 215	Cavity widths 90-105mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 215mm wide inner leaf blockwork.

90-105mm cavity



DAMP PROOFING Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

EXTREME LOAD WIDE INNER LEAF L6/ WIL 215

To achieve loading figures lintel must be laterally restrained.
Lintels may be propped to facilitate speed of construction.
See Lintel Installation on page 12.



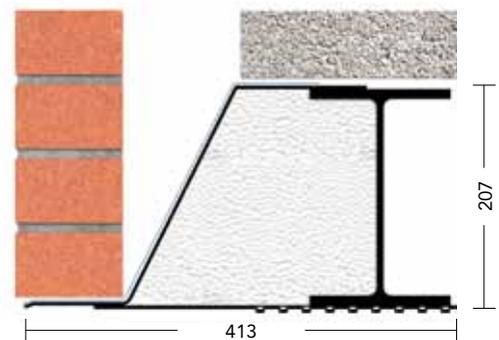
102mm Outer Leaf
215mm Inner Leaf

L6/110 WIL 215 Cavity widths 110-125mm

Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 215mm wide inner leaf blockwork.

110-125mm cavity

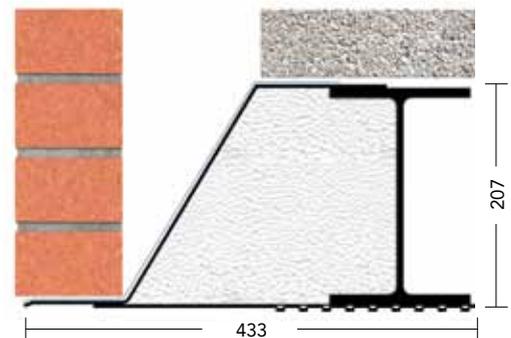


L6/130 WIL 215 Cavity widths 130-145mm

Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 215mm wide inner leaf blockwork.

130-145mm cavity

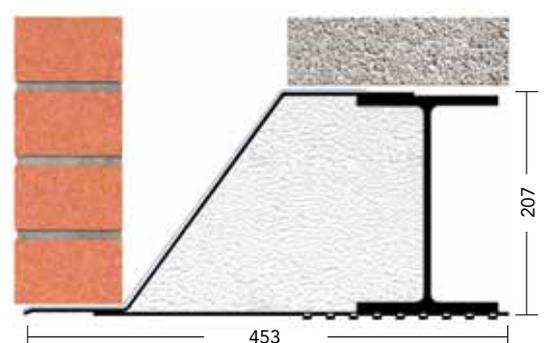


L6/150 WIL 215 Cavity widths 150-165mm

Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 215mm wide inner leaf blockwork.

150-165mm cavity



Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
125mm - 150mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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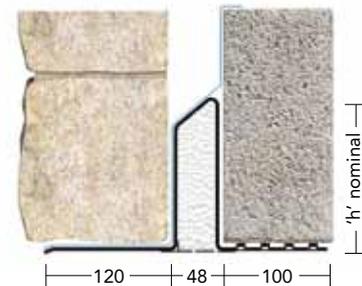
IG Fastrack CAD Database is accessible from iglintels.com

Standard Load

L1/S 50 WOL	For cavity widths 50-65mm					
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 3600
Height 'h'	110	122	172	200	200	200
Thickness	2.5	2.5	2.5	2.9	2.9	3.2
Total UDL kN 3:1	14	15	23	30	32	30
Total UDL kN 19:1	11	13	18	22	30	26

For 150mm wide outer leaf blockwork/stonework.

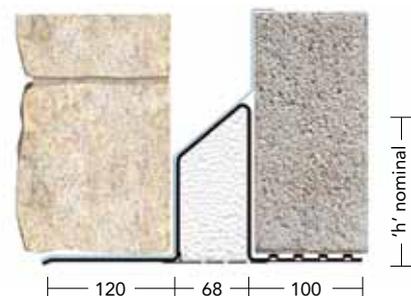
50-65mm cavity



L1/S 75 WOL	For cavity widths 70-85mm					
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 3600
Height 'h'	106	118	168	192	192	192
Thickness	2.5	2.5	2.5	2.9	2.9	3.2
Total UDL kN 3:1	14	15	23	30	32	30
Total UDL kN 19:1	11	13	18	22	30	26

For 150mm wide outer leaf blockwork/stonework.

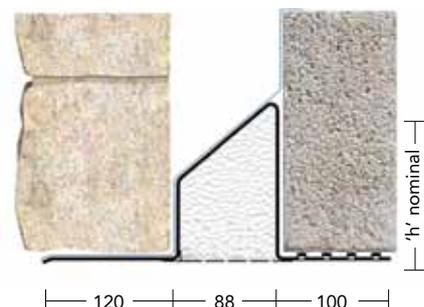
70-85mm cavity



L1/S 100 WOL	For cavity widths 90-105mm					
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 3600
Height 'h'	93	110	162	188	188	188
Thickness	2.5	2.5	2.5	2.9	2.9	3.2
Total UDL kN 3:1	14	15	23	30	32	30
Total UDL kN 19:1	11	13	18	22	30	26

For 150mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**STANDARD LOAD
WIDE OUTER LEAF**

L1/S WOL

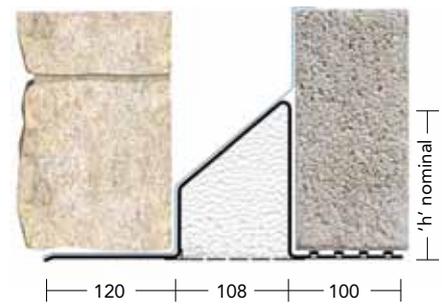
To achieve loading figures lintel must be built in with blockwork as shown. Maximum overhang of 30mm on outer leaf. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

140mm Outer Leaf
100mm Inner Leaf

L1/S 110 WOL For cavity widths 110-125mm						
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 3600
Height 'h'	95	107	142	185	185	185
Thickness	2.5	2.5	2.5	2.9	3.2	3.2
Total UDL kN 3:1	14	15	23	30	32	30
Total UDL kN 19:1	11	13	18	22	30	26

For 150mm wide outer leaf blockwork/stonework.

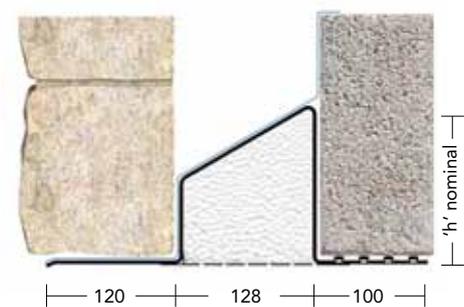
110-125mm cavity



L1/S 130 WOL For cavity widths 130-145mm						
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 3600
Height 'h'	90	118	178	178	178	178
Thickness	2.5	2.5	2.5	2.9	3.2	3.2
Total UDL kN 3:1	14	15	23	30	32	30
Total UDL kN 19:1	11	13	18	22	30	26

For 150mm wide outer leaf blockwork/stonework.

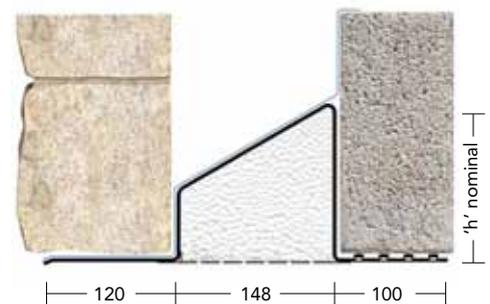
130-145mm cavity



L1/S 150 WOL For cavity widths 150-165mm						
Manufactured length 150mm increments	600- 1350	1500- 1650	1800- 2100	2250- 2700	2850- 3000	3150- 3600
Height 'h'	95	107	168	168	168	168
Thickness	2.5	2.5	2.5	2.9	3.2	3.2
Total UDL kN 3:1	14	15	23	30	32	30
Total UDL kN 19:1	11	13	18	22	30	26

For 150mm wide outer leaf blockwork/stonework.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
125mm - 150mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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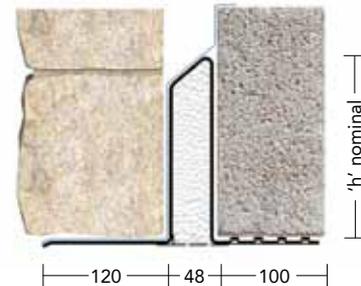
IG Fastrack CAD Database is accessible from iglintels.com

Heavy Duty Load

L1/HD 50 WOL	Cavity widths 50-65mm				
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 2700
Height 'h'	95	109	161	161	196
Thickness	2.9	2.9	2.9	2.9	3.2
Total UDL kN 3:1	27	25	35	30	36
Total UDL kN 19:1	17	22	27	25	32

For 150mm wide outer leaf blockwork/stonework.

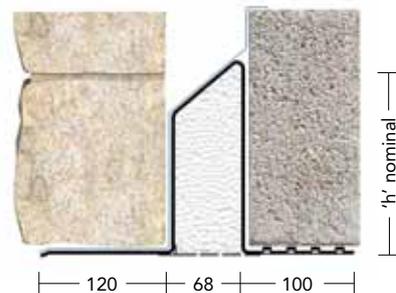
50-65mm cavity



L1/HD 75 WOL	Cavity widths 70-85mm			
Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	130	155	192	192
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	35	30	36
Total UDL kN 19:1	17	27	25	32

For 150mm wide outer leaf blockwork/stonework.

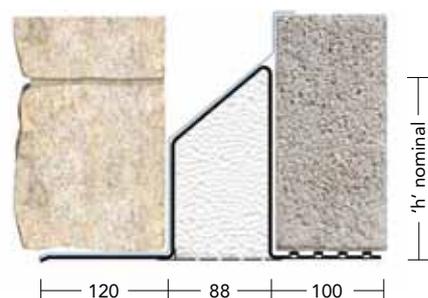
70-85mm cavity



L1/HD 100 WOL	Cavity widths 90-105mm			
Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	123	148	188	188
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**HEAVY DUTY LOAD
WIDE OUTER LEAF**

L1/HD WOL

To achieve loading figures lintel must be built in with blockwork as shown. Maximum overhang of 30mm on outer leaf. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

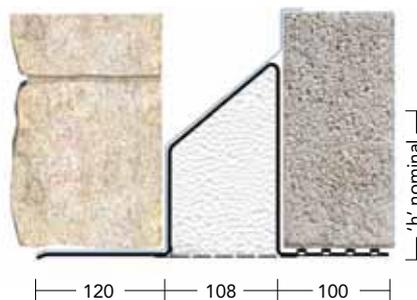
140mm Outer Leaf
100mm Inner Leaf

L1/HD 110 WOL Cavity widths 110-125mm

Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	112	132	182	182
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide outer leaf blockwork/stonework.

110-125mm cavity

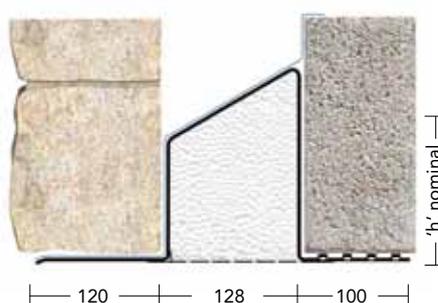


L1/HD 130 WOL Cavity widths 130-145mm

Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	103	143	178	178
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide outer leaf blockwork/stonework.

130-145mm cavity

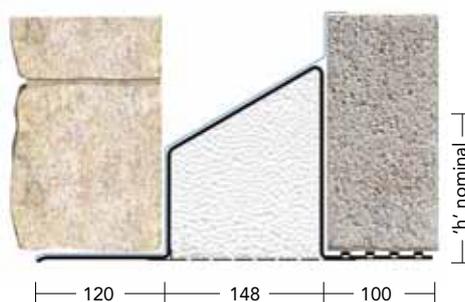


L1/HD 150 WOL Cavity widths 150-165mm

Manufactured length 150mm increments	600- 1350	1500- 1800	1950- 2100	2250- 2700
Height 'h'	113	148	168	168
Thickness	2.9	2.9	2.9	3.2
Total UDL kN 3:1	20	30	30	36
Total UDL kN 19:1	17	25	25	32

For 150mm wide outer leaf blockwork/stonework.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
125mm - 150mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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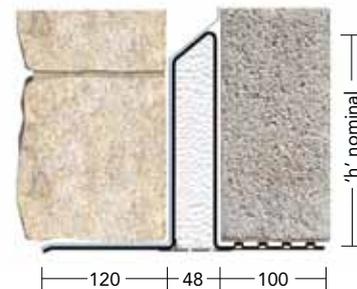
IG Fastrack CAD Database is accessible from iglintels.com

Heavy Duty Load

L1/XHD 50 WOL	Cavity widths 50-65mm		
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	161	196	196
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide outer leaf blockwork/stonework.

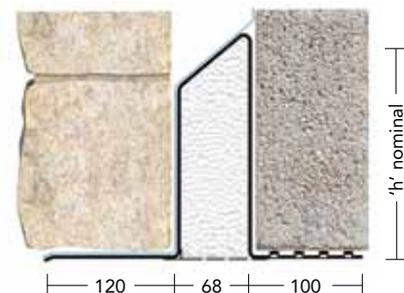
50-65mm cavity



L1/XHD 75 WOL	Cavity widths 70-85mm		
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	155	192	192
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide outer leaf blockwork/stonework.

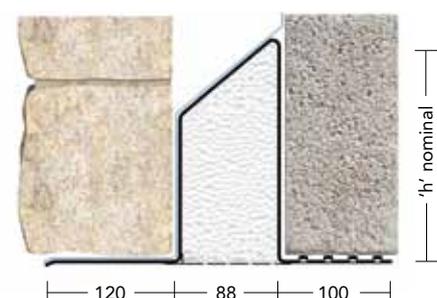
70-85mm cavity



L1/XHD 100 WOL	Cavity widths 90-105mm		
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	165	188	188
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**HEAVY DUTY LOAD
WIDE OUTER LEAF**

L1/XHD WOL

Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.
Blockwork built tight against inner face of the lintel. Maximum overhang of 30mm on outer leaf. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load.

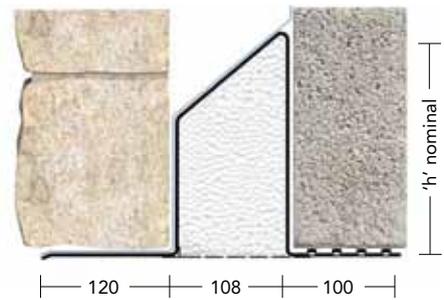
140mm Outer Leaf
100mm Inner Leaf

L1/XHD 110 WOL Cavity widths 110-125mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	182	182	182
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide outer leaf blockwork/stonework.

110-125mm cavity

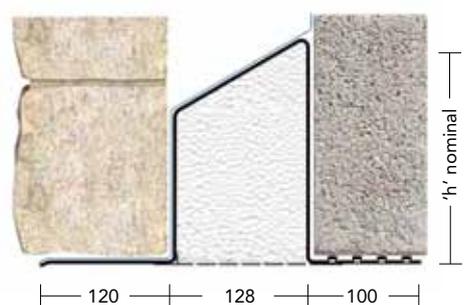


L1/XHD 130 WOL Cavity widths 130-145mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	178	178	178
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide outer leaf blockwork/stonework.

130-145mm cavity

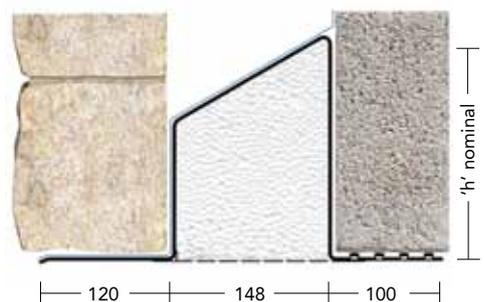


L1/XHD 150 WOL Cavity widths 150-165mm

Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100
Height 'h'	168	168	168
Thickness	3.2	3.2	3.2
Total UDL kN 3:1	45	45	50
Total UDL kN 19:1	40	40	40

For 150mm wide outer leaf blockwork/stonework.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
125mm - 150mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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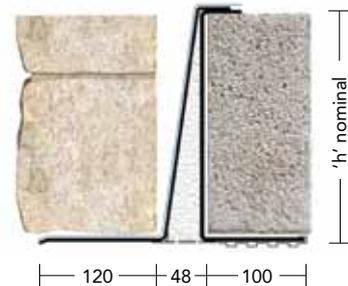
IG Fastrack CAD Database is accessible from iglintels.com

Extra Heavy Duty Load

L5/50 WOL	Cavity widths 50-65mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide outer leaf blockwork/stonework.

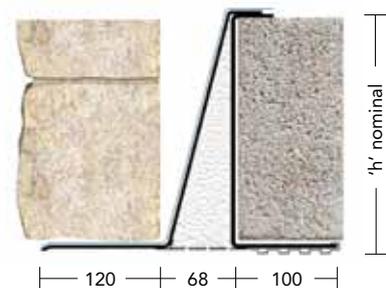
50-65mm cavity



L5/75 WOL	Cavity widths 70-85mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide outer leaf blockwork/stonework.

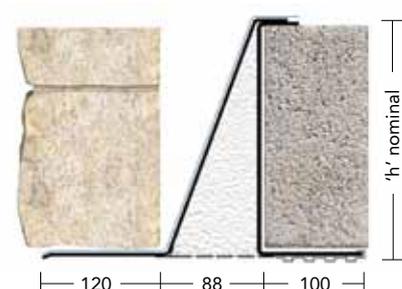
70-85mm cavity



L5/100 WOL	Cavity widths 90-105mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

**EXTRA HEAVY DUTY LOAD
WIDE OUTER LEAF**

L5/ WOL

To achieve loading figures lintel must be built in with blockwork as shown. Maximum overhang of 30mm on outer leaf. Ensure all perpendicular and horizontal joints are filled with mortar. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

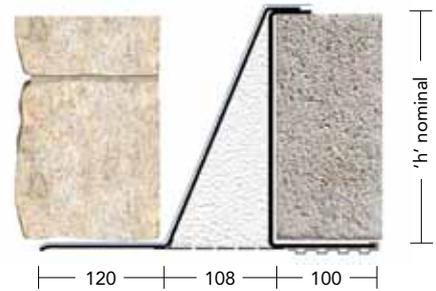


140mm Outer Leaf
100mm Inner Leaf

L5/110 WOL	Cavity widths 110-125mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide outer leaf blockwork/stonework.

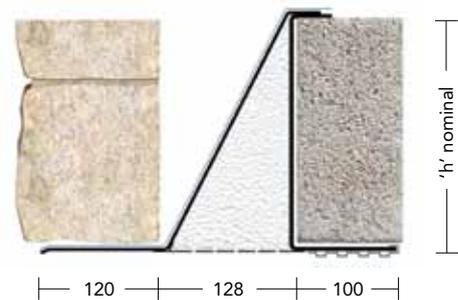
110-125mm cavity



L5/130 WOL	Cavity widths 130-145mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide outer leaf blockwork/stonework.

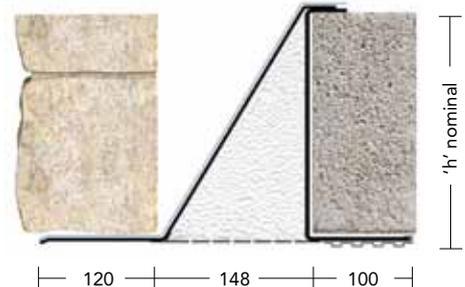
130-145mm cavity



L5/150 WOL	Cavity widths 150-165mm				
Manufactured length 150mm increments	600-1500	1650-2100	2250-3000	3150-4050	4200-4800
Height 'h'	229	229	229	229	229
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 19:1	70	60	50	45	40

For 150mm wide outer leaf blockwork/stonework.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
125mm - 150mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

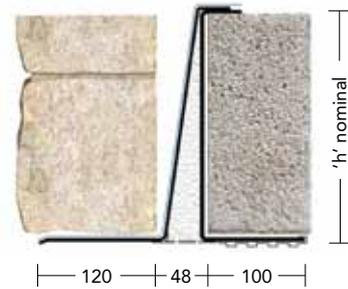
IG Fastrack CAD Database is accessible from iglintels.com

Extra Heavy Duty Load

L5/XHD 50 WOL Cavity widths 50-65mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide outer leaf blockwork/stonework.

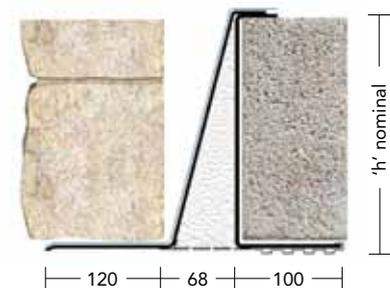
50-65mm cavity



L5/XHD 75 WOL Cavity widths 70-85mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide outer leaf blockwork/stonework.

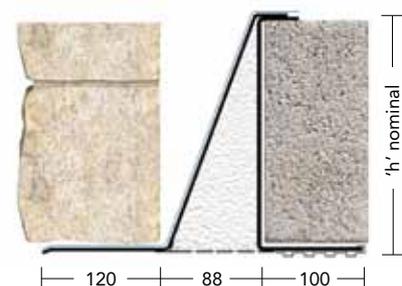
70-85mm cavity



L5/XHD 100 WOL Cavity widths 90-105mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**EXTRA HEAVY DUTY LOAD
WIDE OUTER LEAF**

L5/XHD WOL

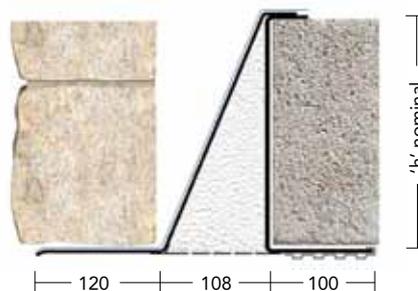
To achieve loading figures lintel must be built in with blockwork as shown. Maximum overhang of 30mm on outer leaf. Ensure all perpendicular and horizontal joints are filled with mortar. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

140mm Outer Leaf
100mm Inner Leaf

L5/XHD 110 WOL Cavity widths 110-125mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide outer leaf blockwork/stonework.

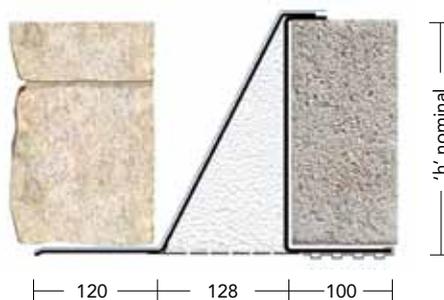
110-125mm cavity



L5/XHD 130 WOL Cavity widths 130-145mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide outer leaf blockwork/stonework.

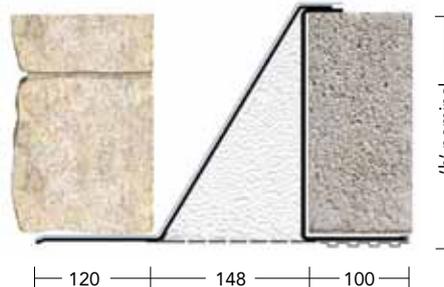
130-145mm cavity



L5/XHD 150 WOL Cavity widths 150-165mm				
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000	3150- 3600
Height 'h'	235	235	235	235
Thickness Inner	5.0	5.0	5.0	5.0
Thickness Outer	2.9	2.9	2.9	3.2
Total UDL kN 19:1	100	90	80	65

For 150mm wide outer leaf blockwork/stonework.

150-165mm cavity



HEAVIER LOADINGS

Tables for heavier loads overleaf.

Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
125mm - 150mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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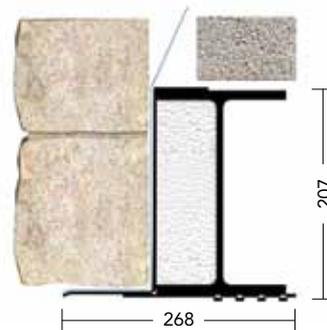
IG Fastrack CAD Database is accessible from iglintels.com

Extreme Load

L6/50 WOL	Cavity widths 50-65mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide outer leaf blockwork/stonework.

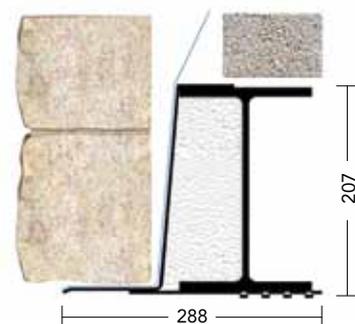
50-65mm cavity



L6/75 WOL	Cavity widths 70-85mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide outer leaf blockwork/stonework.

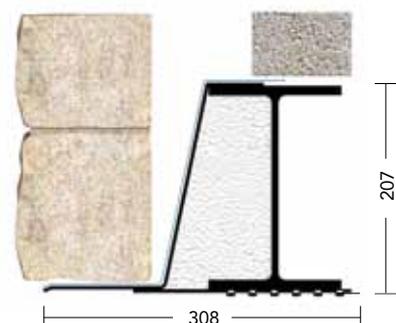
70-85mm cavity



L6/100 WOL	Cavity widths 90-105mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

EXTREME LOAD WIDE OUTER LEAF

L6/ WOL

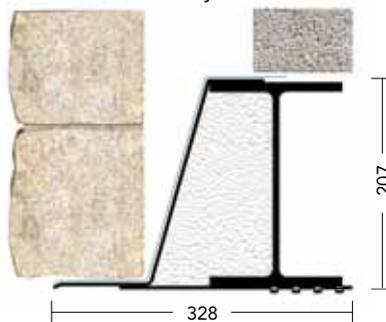
To achieve loading figures lintel must be built in with blockwork as shown. Maximum overhang of 30mm on outer leaf. Ensure all perpendicular and horizontal joints are filled with mortar. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



L6/110 WOL	Cavity widths 110-125mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide outer leaf blockwork/stonework.

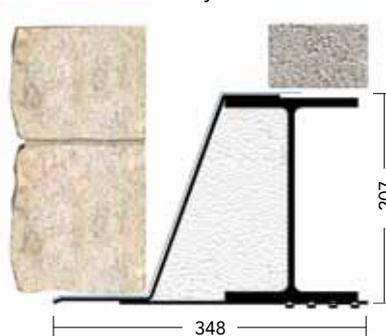
110-125mm cavity



L6/130 WOL	Cavity widths 130-145mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide outer leaf blockwork/stonework.

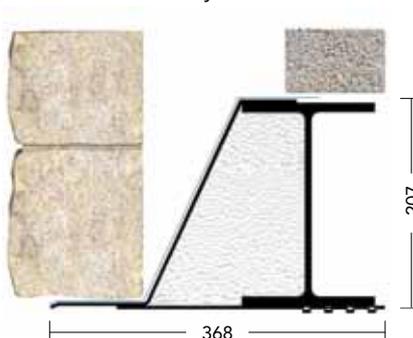
130-145mm cavity



L6/150 WOL	Cavity widths 150-165mm					
Manufactured length (mm) to customer requirements	600-4800	5200	5400	5800	6200	6600
End Bearing	200	200	200	200	200	200
Total UDL kN 19:1	80	70	62	55	45	40

For 150mm wide outer leaf blockwork/stonework.

150-165mm cavity



Wide Outer Leaf - Cavity Wall

Cavity widths from 50mm to 165mm

OUTER LEAF	INNER LEAF
215mm	100mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
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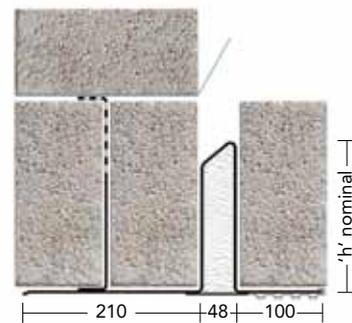
IG Fastrack CAD Database is accessible from iglintels.com

Standard Load

L1/S 50 WOL 215	Cavity widths 50-65mm					
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600
Height 'h'	114	114	138	209	209	209
Thickness	2.9	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	30	40	40	35
Total UDL kN 19:1	22	22	22	35	35	32
Fin Height	100	120	175	225	225	225

For 215mm wide outer leaf blockwork/stonework.

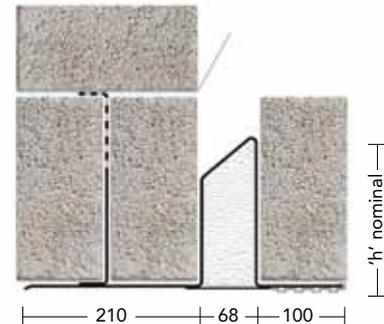
50-65mm cavity



L1/S 75 WOL 215	Cavity widths 70-85mm					
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600
Height 'h'	112	110	167	205	205	205
Thickness	2.9	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	30	40	40	35
Total UDL kN 19:1	22	22	22	35	35	32
Fin Height	100	120	175	225	225	225

For 215mm wide outer leaf blockwork/stonework.

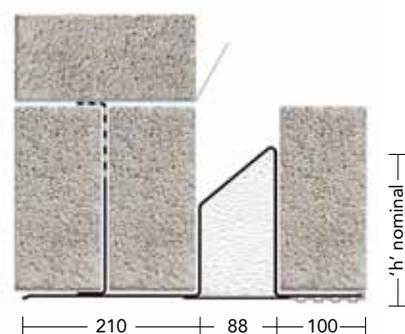
70-85mm cavity



L1/S 100 WOL 215	Cavity widths 90-105mm					
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600
Height 'h'	103	140	163	203	203	203
Thickness	2.9	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	30	40	40	35
Total UDL kN 19:1	22	22	22	35	35	32
Fin Height	100	120	175	225	225	225

For 215mm wide outer leaf blockwork/stonework.

90-105mm cavity



DAMP PROOFING Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.



**STANDARD LOAD
215 WIDE OUTER LEAF**

L1/S WOL 215

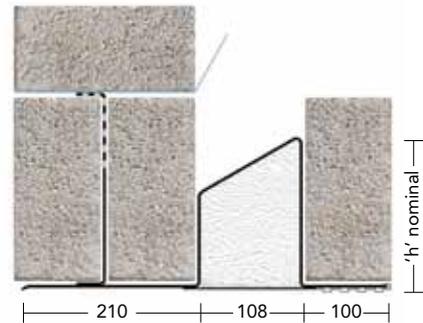
To achieve loading figures lintel must be built in with blockwork as shown. Maximum overhang of 30mm on outer leaf. Extended fin 225mm high for lintels greater than 2100mm in length. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

215mm Outer Leaf
100mm Inner Leaf

L1/S 110 WOL 215 Cavity widths 110-125mm					
Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600
Height 'h'	130	145	195	195	195
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	35	35	32
Total UDL kN 19:1	20	22	30	30	28
Fin Height	120	175	225	225	225

For 215mm wide outer leaf blockwork/stonework.

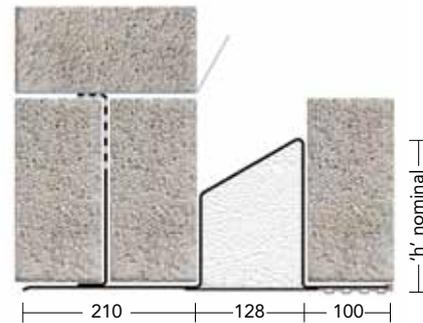
110-125mm cavity



L1/S 130 WOL 215 Cavity widths 130-145mm					
Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600
Height 'h'	120	155	190	190	190
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	35	35	32
Total UDL kN 19:1	20	22	30	30	25
Fin Height	120	175	225	225	225

For 215mm wide outer leaf blockwork/stonework.

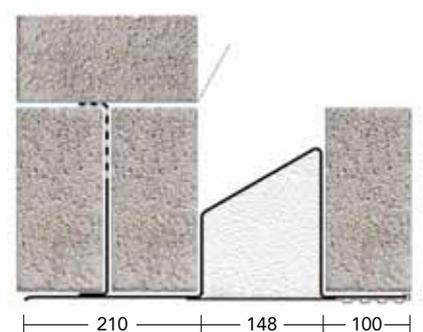
130-145mm cavity



L1/S 150 WOL 215 Cavity widths 150-165mm					
Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 2550	2700- 3000	3150- 3600
Height 'h'	118	160	180	180	180
Thickness	2.9	2.9	2.9	3.2	3.2
Total UDL kN 3:1	30	30	35	35	30
Total UDL kN 19:1	20	22	30	30	25
Fin Height	120	175	225	225	225

For 215mm wide outer leaf blockwork/stonework.

150-165mm cavity



Cavity Wall

Eaves Lintels

L1/E lintels are designed to provide support over openings at eaves level.

The eaves lintel has a shortened outer flange to allow the underside of the soffit board to be positioned tight against the window frame. It must be noted that brickwork cannot be built onto the outer flange of an eaves lintels. Masonry is built on the inner leaf only.

The loading figures are achieved by considering the lintel and masonry as a composite unit.

The lintel must have a minimum end bearing of 150mm on each side of the opening bedded on mortar. Level the lintel along its length and across its width. The lintel must be positioned to ensure that the masonry is built against the vertical upstand of the lintel. Masonry should be bedded on mortar and all perpendicular joints filled with mortar.

A continuous timber wall plate must extend along the masonry immediately above the lintel.

Lintel may be propped to facilitate speed of construction.

A plaster key is incorporated into the inner leaf of the lintel.

The IG Eaves lintel also incorporates a thermal break plate on the underside of the lintel for superior structural performance.

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

MATERIAL SPECIFICATION

Eaves lintels are manufactured from pre-galvanised mild steel BS EN 10346:2009 DX51D plus Z600 or grade Z275 to BS5977: part 2, 1983 (BS EN 845-2:2003). There is a minimum zinc coating of 600g/m² galvanising including both sides. All cut edges are treated with corrosion resistant paint. Table C.1 - material coating reference L14 (BS EN 845 part 2 2003 page 28).

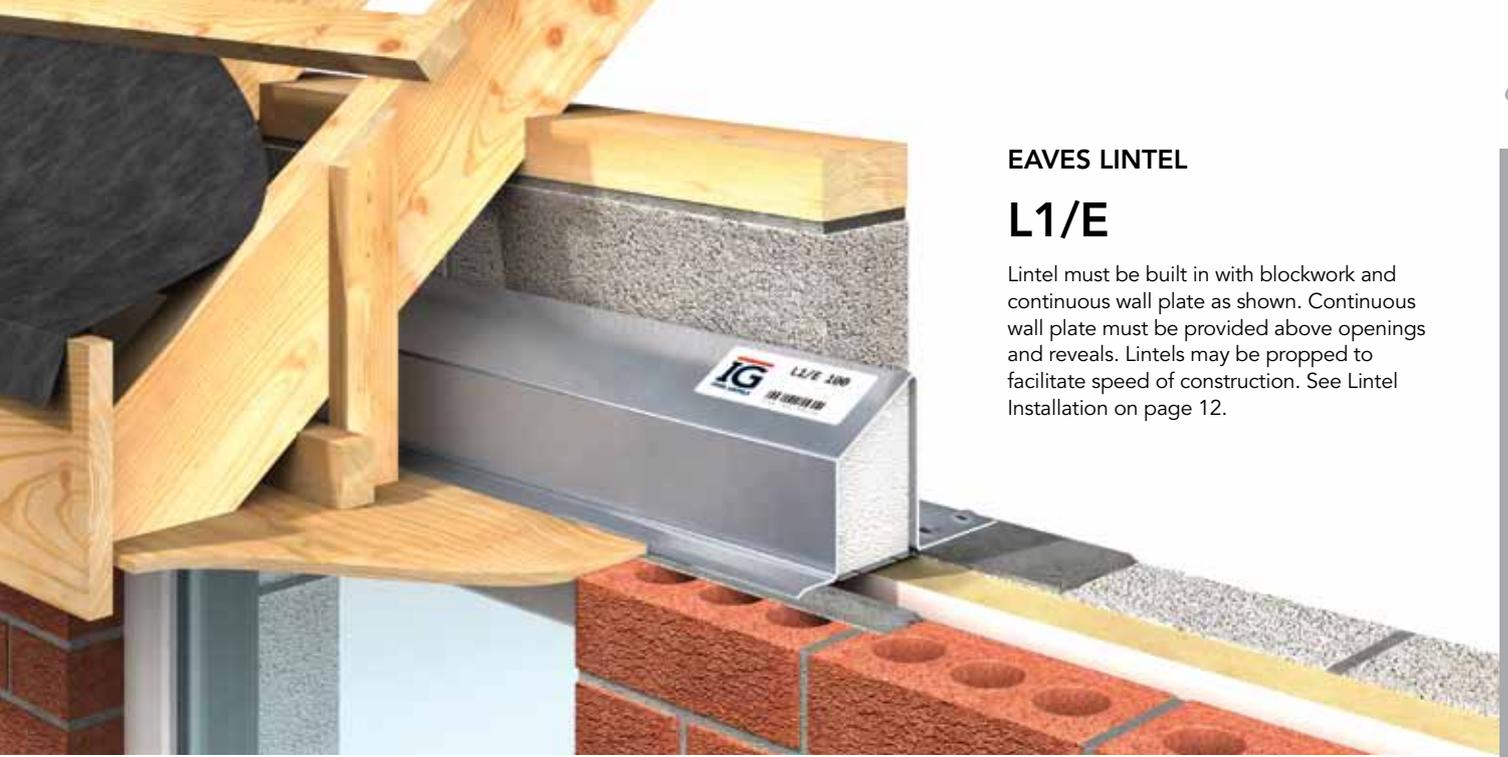
If stainless steel lintels are required IG utilise stainless steel grade 304 2b to BS EN 10088 - part 2 Astm 240 (European Grade 1.4307).

Eaves lintels are insulated with expanded polystyrene and conforms to BS 13163:2008.

For full material specification please see page 9.

SPECIFICATION CLAUSES

Page 10 details all the specification clauses required for IG lintels. The Specification Clause required for Eaves lintels is titled 'Other Lintel Applications'.



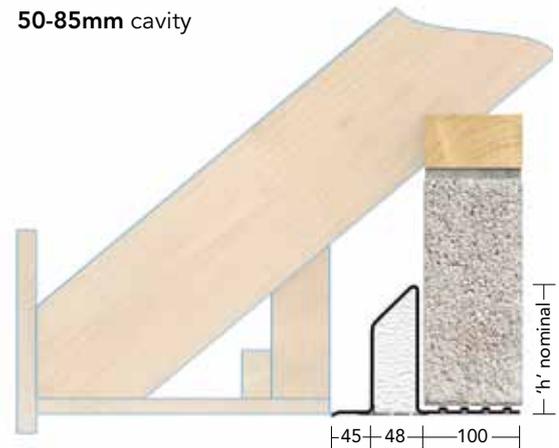
EAVES LINTEL

L1/E

Lintel must be built in with blockwork and continuous wall plate as shown. Continuous wall plate must be provided above openings and reveals. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

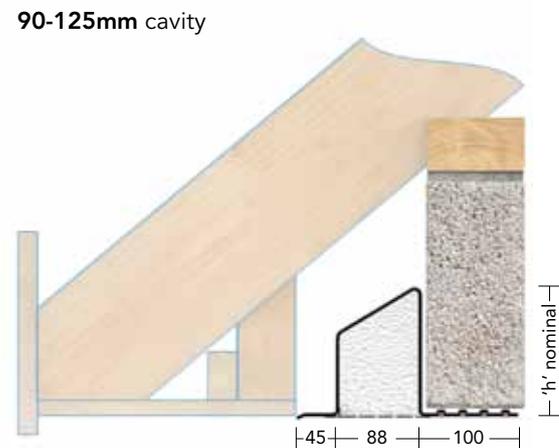
L1/E 50		Cavity widths 50-85mm		
Manufactured length 150mm increments	600-1500	1650-2100	2250-2700	
Height 'h'	95	134	150	
Thickness	2.5	2.5	3.0	
Total UDL kN 19:1	19	26	26	

50-85mm cavity



L1/E 100		Cavity widths 90-125mm			
Manufactured length 150mm increments	600-1500	1650-2100	2250-2400	2550-2700	
Height 'h'	95	144	163	164	
Thickness	2.0	2.0	2.0	2.5	
Total UDL kN 19:1	18	20	22	25	

90-125mm cavity



**EAVES
LINTELS**

Solid Wall

WALL DEPTH

100mm - 215mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Solid Wall Lintels

INT 100

Overall Length (mm)	900	1050	1100	1200
Maximum Span	700	850	900	1000
Total UDL kN	7	7	7	7



Specify INT 64 for 75mm solid wall.

When using INT 100 normal building practice should be observed in that one course and the mortar allowed to cure for at least 24 hour before additional loads are applied. Not suitable for floor loads.

Standard Load



L9/SW 100

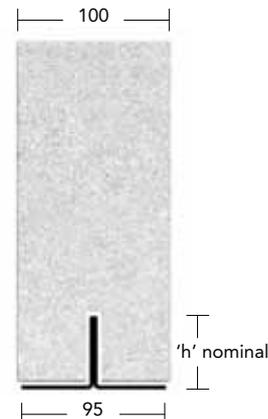
Manufactured length 150mm increments	600-1200	1350-1650	1800-2100	2250-2700
Height 'h'	55	86	86	113
Thickness Inner	2.5	2.5	2.9	3.2
Total UDL kN	6	8	8	10



Suitable for 100 - 150mm solid walls.

To achieve loading figures lintel must be built in as shown, blockwork must be tracked to accommodate upstand of lintel.

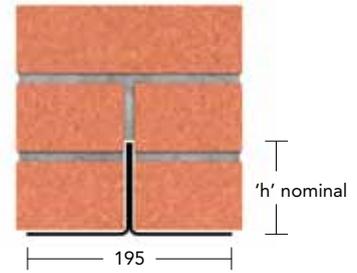
Standard Load



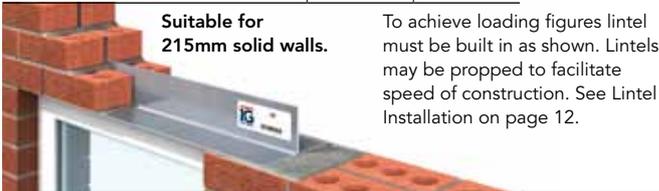
L9			
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2700
Height 'h'	55	55	100
Thickness	2.5	3.0	3.0
Total UDL kN	6	6	10



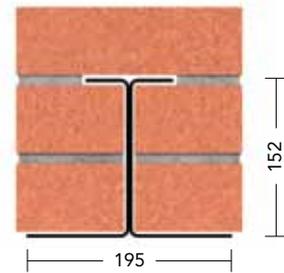
Standard Load



I BEAM (2C)		
Manufactured length 150mm increments	600- 2100	2250- 3000
Height 'h'	152	152
Thickness	2.5	2.9
Total UDL kN	30	30



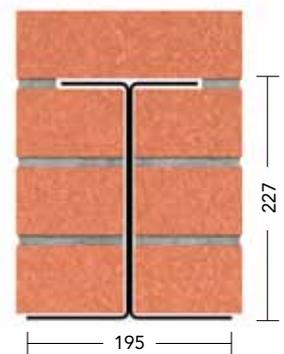
Heavy Duty Load



I BEAM (3C)					
Manufactured length 150mm increments	600- 1800	1950- 2100	2250- 3000	3150- 4050	4200- 4800
Height 'h'	227	227	227	227	227
Thickness	2.5	2.5	2.9	3.2	3.2
Total UDL kN	45	40	40	40	35



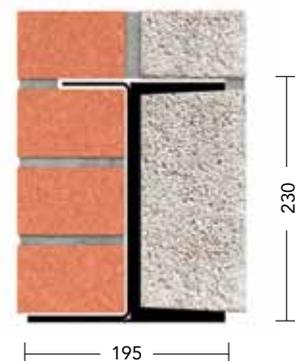
Extra Heavy Duty Load



XHD I BEAM						
Manufactured length 150mm increments	600- 4800	5200	5400	5800	6200	6600
Height 'h'	230	230	230	230	230	230
End Bearing	200	200	200	200	200	200
Total UDL kN	86	75	70	65	60	55



Extreme Duty



SOLID WALL & BOX LINTELS

Solid Wall

WALL DEPTH

100mm - 215mm

Box Lintels Standard Load

Box lintels can be used for internal or external openings and with a variation of wall thicknesses. The IG box lintel has perforations along its length acting as a plaster key. As an optional extra IG box lintels can be insulated.

The IG box lintel is designed to carry the full load of wet masonry as soon as it is installed.

MATERIAL SPECIFICATION

Box lintels are manufactured from pre-galvanised mild steel BS EN 10346:2009 DX51D plus Z600 or grade Z275 to BS5977: part 2, 1983 (BS EN 845-2:2003). There is a minimum zinc coating of 600g/m² galvanising including both sides. Table C.1 - material coating reference L14 (BS EN 845 part 2 2003 page 28).

If stainless steel lintels are required IG utilise stainless steel grade 304 2b to BS EN 10088- part 2 Astm 240 (European Grade 1.4307).

Box lintels can be insulated with expanded polystyrene and conforms to BS 13163:2008.

For full material specification please see page 9.

BOX 75		
Manufactured length 150mm increments	600- 1650	1800
Height 'h'	75	75
Thickness	1.6	2.0
Total UDL kN	15	10

Used to support openings in 100mm wide walls.

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

SPECIFICATION

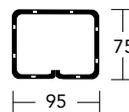
Page 10 details all the specification clauses required for IG lintels. The Specification Clause required for Box lintels is titled 'Other Lintel Applications'.

INSTALLATION

Box Lintels must have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and across its width. Masonry built must be laid on a mortar bed and all perpendicular joints to be filled with mortar.

Care should be taken to avoid shock loading on box lintels when used in conjunction with concrete floors or other heavy units.

Standard Load



DAMP PROOFING Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

BOX LINTELS

BOX 100

Used to support openings in 100mm wide walls. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

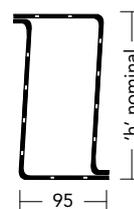


BOX 100

Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 2400	2550- 2700	2850- 3600	3750- 4200	4350- 4800
Height 'h'	75	150	150	150	215	215	215
Thickness	1.6	2.0	2.0	2.0	2.5	2.5	2.5
Total UDL kN	15	30	25	20	30	25	20

Used to support openings in 100mm wide walls.

Standard Load

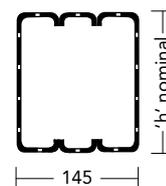


BOX 140

Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 2400	2550- 2700	2850- 3600	3750- 4200	4350- 4800
Height 'h'	150	150	150	150	215	215	215
Thickness	1.6	2.0	2.0	2.0	2.5	2.5	2.5
Total UDL kN	15	30	25	20	35	30	25

Used to support openings in 150mm wide walls.

Standard Load

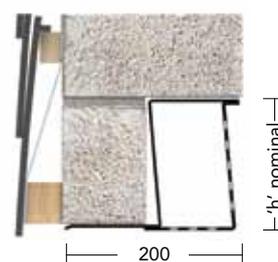


BOX 200

Manufactured length 150mm increments	600- 1500	1650- 2100	2250- 2400	2550- 2700	2850- 3600	3750- 4200	4350- 4800
Height 'h'	150	150	150	150	215	215	215
Thickness	1.6	2.0	2.0	2.0	2.5	2.5	2.5
Total UDL kN	15	30	25	20	30	25	20

The flange of the BOX 200 is designed to support a nominal masonry load only up to a maximum of 3kN per metre run. Used to support openings in 215mm wide walls.

Standard Load



Solid Wall

WALL DEPTH

100mm - 215mm

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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Box Lintels Heavy Duty Load



HD BOX

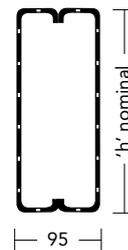
Can be insulated as an optional extra. Perforated steel for plaster key. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

HD BOX 100

Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2400	2550- 2700
Height 'h'	150	150	215	215
Thickness	2.5	2.5	2.5	2.5
Total UDL kN	50	45	50	40

For heavy duty loading conditions to support concrete floors and point loads. Used to support internal and external openings in 100mm wide walls.

Heavy Duty Load

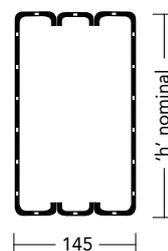


HD BOX 140

Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2400	2550- 2700
Height 'h'	150	150	215	215
Thickness	2.5	2.5	2.5	2.5
Total UDL kN	50	50	50	45

For heavy duty loading conditions to support concrete floors and point loads. Used to support internal and external openings in 150mm wide walls.

Heavy Duty Load



**BOX LINTEL
HEAVY DUTY LOAD
HD BOX 200**

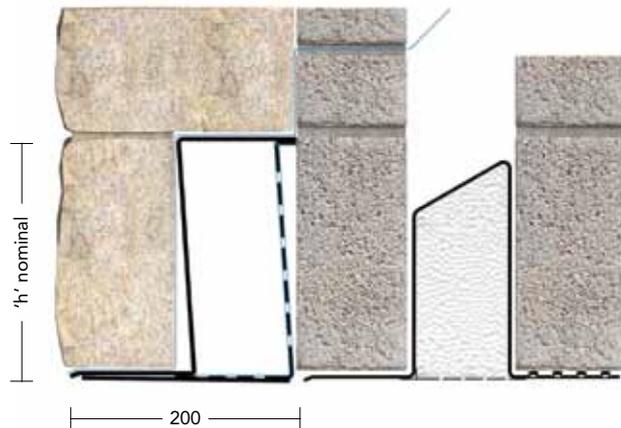


HD BOX 200

This drawing illustrates how a BOX 200 Lintel can be used to support a 215mm leaf of solid stonework on the outer face of a traditional cavity wall.

The three dimensional image also illustrates how a DPC/Cavity Tray should be installed with this detail.

Cavity insulation omitted for clarity.

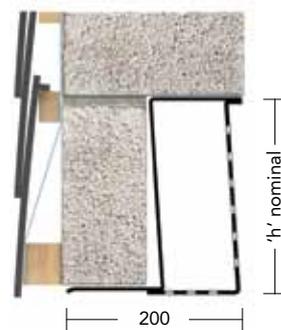


HD Box 200 Lintel shown with optional feature plate.

HD BOX 200				
Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2400	2550- 2700
Height 'h'	150	150	215	215
Thickness	2.5	2.5	2.5	2.5
Total UDL kN	40	35	45	40

The flange of the HD BOX 200 is designed to support a nominal masonry load only up to a maximum of 3kN per metre run. Used to support openings in 215mm wide walls.

Heavy Duty Load



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

Timber Frame Cavity Wall

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Timber Frame Lintels

Designed for use in timber frame construction the L7 lintels provide support to the outer leaf to brickwork over openings.

To achieve the loading tables shown the L7 lintels must be secured with restraining clips and a timber batten (not supplied) must be used to prevent lateral deflection (twist) during the building stage.

INSTALLATION

Installation of IG's L7, L7/HD and L7/XHD are all similar.

All Timber frame lintels must be installed with restraining clips and a timber pinch batten to prevent rotation of the lintel during the building stage.

Propping may be used to facilitate speed of construction.

To achieve the loading figures shown, the L7 lintel must be secured with restraining clips and a timber pinch batten (not supplied) must be used to prevent lateral deflection (rotation) during the building stage. A single timber pinch batten 300mm long at mid span will be sufficient.

IG timber frame restraint clips are supplied free of charge and must be fixed to the timber frame structure by 3.3mm x 50mm galvanised nails. Allowance should be made for the movement of the timber frame structure due to settlement and shrinkage. Lateral restraint clip should be placed at 500mm centres each side of mid span.

MATERIAL SPECIFICATION

Timber Frame lintels are manufactured from pre-galvanised mild steel BS EN 10346:2009 DX51D plus Z600 or grade Z275 to BS5977: part 2, 1983 (BS EN 845-2:2003). There is a minimum zinc coating of 600g/m² galvanising including both sides. All cut edges are treated with corrosion resistant paint. Table C.1 – Material coating reference L14 (BS EN 845 Part 2 2003 Page 28).

If stainless steel lintels are required IG utilise stainless steel grade 304 2b to BS EN 10088- part 2 Astm 240 (European Grade 1.4307).

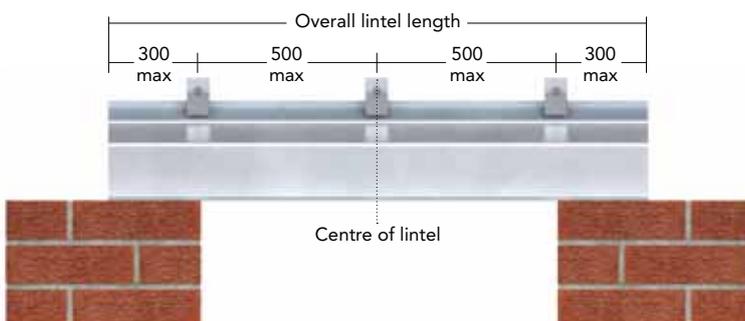
Heavy Duty Timber Frame lintels are insulated with expanded polystyrene and conform to BS 13163:2008.

For full material specification please see page 9.

SPECIFICATION

Page 10 details all the specification clauses required for IG lintels. The Specification Clause required is titled 'Timber Frame Lintels'.

Position of lintel restraint clips



Clearance



TIMBER FRAME LINTELS

L7

For use with timber frame construction. The L7 lintel must be used in conjunction with lateral restraint clips and a tight fitting timber batten, as shown, to prevent twisting. The L7 range can be supplied to suit wider cavities: e.g. specify L7 75, L7 100. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



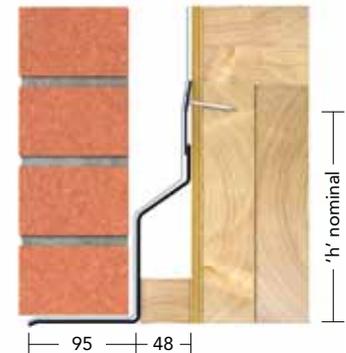
Standard Load

L7/ 50

Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2400	2550- 3600	3750- 4800
Height 'h'	110	110	135	175	250
Thickness	2.0	2.5	2.5	2.8	3.0
Total UDL kN	4	5	5	9	12

For installation please refer to installation notes on page 12.

50-65mm cavity



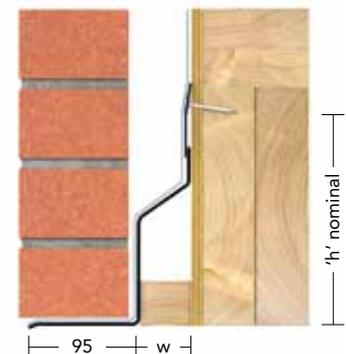
L7/75 & L7/100

Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2400	2550- 3600	3750- 4800
Height 'h'	110	110	135	175	250
Thickness	2.0	2.5	2.5	2.8	3.0
Total UDL kN	4	5	5	9	12

For installation please refer to installation notes on page 12.

L7/75 W = 68mm
L7/100 W = 88mm

Specified cavity width



Timber Frame Cavity Wall

Heavy Duty Load

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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L7/HD

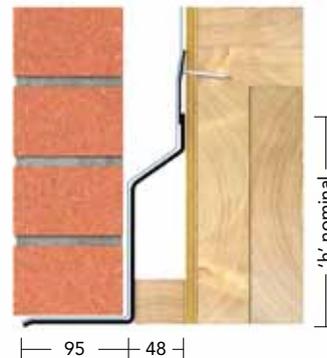
For use with timber frame construction. The L7/HD lintel must be used in conjunction with lateral restraint clips and a tight fitting timber batten, as shown, to prevent twisting. The L7/HD range can be supplied to suit wider cavities: e.g. specify L7/HD 75, L7/HD 100. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

L7/HD 50

Manufactured length 150mm increments	600- 1650	1800- 2400	2550- 3000
Height 'h'	155	185	250
Thickness	2.5	2.9	3.2
Total UDL kN	10	12	12

For installation please refer to installation notes on page 12.

50-65mm cavity



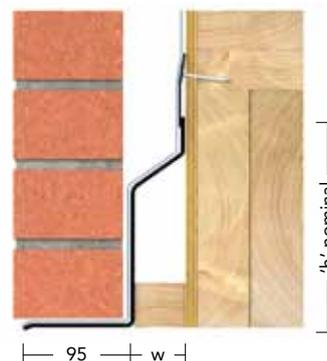
L7/HD 75 & L7/HD 100

Manufactured length 150mm increments	600- 1650	1800- 2400	2550- 3000
Height 'h'	155	185	250
Thickness	2.5	2.9	3.2
Total UDL kN	10	12	12

For installation please refer to installation notes on page 12.

L7/HD 75 W = 68mm
L7/HD 100 W = 88mm

Specified cavity width



TIMBER FRAME LINTELS

L7/XHD

For use with timber frame construction. The L7/XHD lintel must be used in conjunction with lateral restraint clips as shown, to prevent twisting. The L7/XHD range can be supplied to suit wider cavities: e.g. specify L7/XHD 75, L7/XHD 100. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



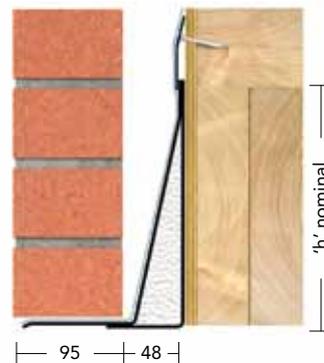
Extra Heavy Duty Load

L7/XHD 50

Manufactured length 150mm increments	600- 3000	3150- 4800
Height 'h'	250	250
Thickness	2.9	3.2
Total UDL kN	18	18

For installation please refer to installation notes on page 12.

50-65mm cavity



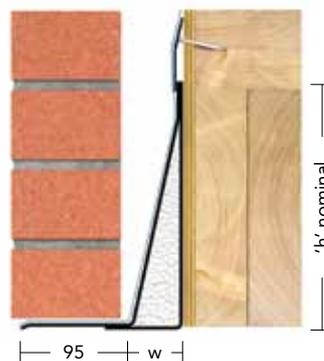
L7/XHD 75 & L7/XHD 100

Manufactured length 150mm increments	600- 3000	3150- 4800
Height 'h'	250	250
Thickness	2.9	3.2
Total UDL kN	18	18

For installation please refer to installation notes on page 12.

L7/XHD 75 W = 68mm
L7/XHD 100 W = 88mm

Specified cavity width



Single Leaf Cavity Wall

Standard Load

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

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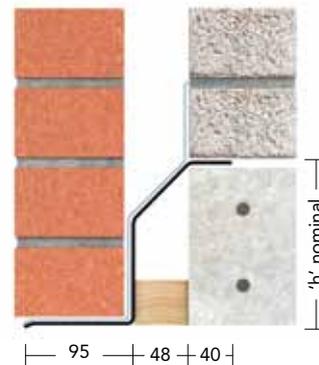
L8

To achieve loading figures lintel must be built in with blockwork as shown. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

L8/50

Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 4800
Height 'h'	150	225	225
Thickness	2.5	2.5	3.0
Total UDL kN 19:1	6	12	14

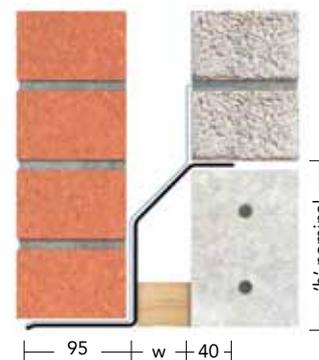
50-65mm cavity



L8/75 & L8/100

Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 4800
Height 'h'	150	225	225
Thickness	2.5	2.5	3.0
Total UDL kN 19:1	6	12	14

Specified cavity width



L8/75 W = 68mm
L8/100 W = 88mm



SINGLE LEAF LINTELS

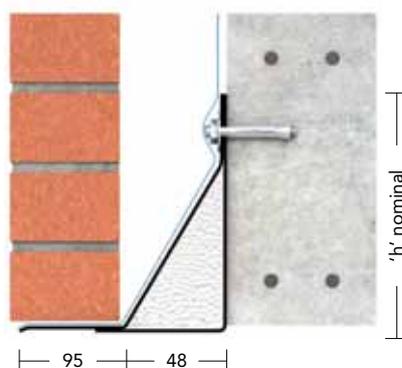
L8/RB

For use with integral concrete ring beams. The L8 RB type lintel must be bolted to the concrete ring beam at 400mm c/c using M16 anchor bolts. The L8 RB type range can be supplied to facilitate various cavity widths: e.g. specify L8 RB 50, L8 RB 75, L8 RB 100. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

Extra Heavy Duty Load

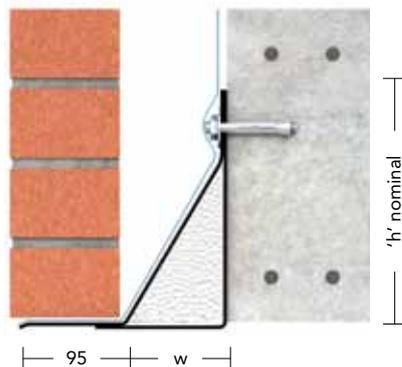
L8/RB 50			
Manufactured length 150mm increments	600- 1500	1650- 2400	2550- 4800
Height 'h'	200	200	200
Thickness	2.5	2.9	3.2
Total UDL kN	7.5	7.5	7.5

50-65mm cavity



L8/RB 75 & L8/RB 100			
Manufactured length 150mm increments	600- 1500	1650- 2400	2550- 4800
Height 'h'	200	200	200
Thickness	2.5	2.9	3.2
Total UDL kN	7.5	7.5	7.5

Specified cavity width



L8/RB 75 W = 68mm
L8/RB 100 W = 88mm

Single Leaf



If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
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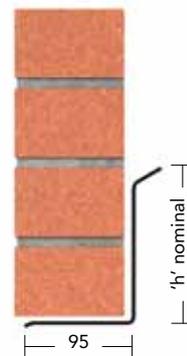
L10

Used to support the outer leaf of cavity wall construction. The L10 lintel can be supplied with no top bend. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.

Standard Load

L10			
Manufactured length 150mm increments	600- 1200	1350- 1800	1950- 2700
Height 'h'	60	110	210
Thickness	3.0	3.0	3.0
Total UDL kN	4	8	10

Longer lengths available.



DAMP PROOFING

Provide a damp proof course over all lintels. Please see IG installation details for guidance on page 12.

SINGLE LEAF LINTELS

L11

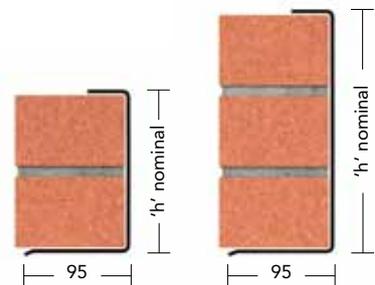
For use to support single leaf or outer leaf of cavity wall construction. To achieve loading figures, lintel must be built in with brickwork as shown. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



Heavy Duty Load

L11			
Manufactured length 150mm increments	600- 1800	1950- 2400	2550- 3000
Height 'h'	150	225	225
Thickness	2.5	2.5	3.0
Total UDL kN	16	20	22

Longer lengths available.



Cavity Wall

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
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IG Fastrack CAD Database is accessible from iglintels.com

Thin Joint Lintels

Designed for fast-track construction the thin joint lintel can be used as two separate lintels when the contractor chooses to build and complete the inner leaf of the building prior to starting the outer leaf. The "C section" is used for the inner leaf whereas the insulated angle lintel is used for the cavity and outer leaf. The Thin Joint Lintel must be used in conjunction with lateral restraint clips.

IG Thin Joint restraint clips are supplied free of charge and must be fixed to the blockwork by 3.3mm x 50mm galvanised nails. Allowance should be made for the movement of the entire structure due to settlement and shrinkage. Lateral restraint clip should be placed at 500mm centres each side of mid span.

The Thin Joint lintel is also recommended for thin mortar joint construction where joints are between 2mm and 6mm. This is particularly common when aerated blockwork is used.

MATERIAL SPECIFICATION

Thin Joint lintels are manufactured from pre-galvanised mild steel BS EN 10346:2009 DX51D plus Z600 or grade Z275 to BS5977: part 2, 1983 (BS EN 845-2:2003). There is a minimum zinc coating of 600g/m² galvanising including both sides. All cut edges are treated with corrosion resistant paint. Table C.1 - material coating reference L14 (BS EN 845 part 2 2003 page 28).

If stainless steel lintels are required IG utilise stainless steel grade 304 2b to BS EN 10088- part 2 Astm 240 (European Grade 1.4307).

Thin Joint Lintels are insulated with expanded polystyrene and conform to BS 13163:2008. For full material specification please see page 9.

SPECIFICATION

Page 10 details all the specification clauses required for IG lintels. The Specification Clause required for Thin Joint lintel is titled 'Other Lintel Applications'.

THERMAL PERFORMANCE

The Thin Joint lintel performs very well thermally as a thermal break has been created between the inner and outer leaf. As the Thin Joint lintel can be classified as two separate lintels there is no continuous steelwork from the outer to the inner leaf.

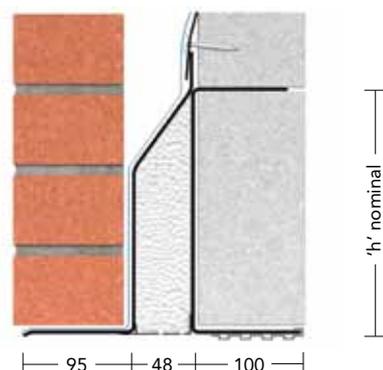
Award-winning Earthdome specifies IG L1/ TJ Lintel. The Secretary of State for Trade and Industry presented the Earthdome project with a top environmental award. Earthdome is a pioneering project where super thermally efficient, ecologically sound and hypo-allergenic homes are being constructed using the most thermally efficient materials available - IG's Thin-Joint lintels fitted the bill!

The Earthdome Eco project won the prestigious Green Apple Environment Award. It was selected to be 'British Green Champion' - top of its class for Fuel Power & Energy'.

L1/TJ 50					
Manufactured length 150mm increments	600- 1500	1650- 1800	1950- 2100	2250- 2700	2850- 3000
Specification	A	B	C	D	E
Height 'h'	130	160	225	225	225
Thickness	5.0	5.0	3.2	5.0	5.0
Total UDL kN Internal Leaf	10	15	18	27	25
Total UDL kN External Leaf	3	5	8	9	10

Please refer to notes above.

50-65mm cavity



THIN JOINT LINTELS

L1/TJ

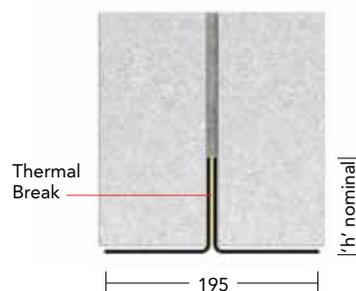
For standard loading conditions in 50mm wide thin joint cavity wall construction. To achieve loading figures lintels must be built in as shown with firmly butted perpendicular joints. The L1/ TJ lintel range can be supplied to suit wider cavities e.g. specify L1/ TJ 70, L1/ TJ 90. Lintels may be propped to facilitate speed of construction. See Lintel Installation on page 12.



L9/TJ

Manufactured length 150mm increments	600- 1200	1350- 1650	1800- 2100	2250- 2700
Height 'h'	55	86	86	113
Thickness	2.5	2.5	2.9	3.2
Total UDL kN 19:1	6	8	8	10

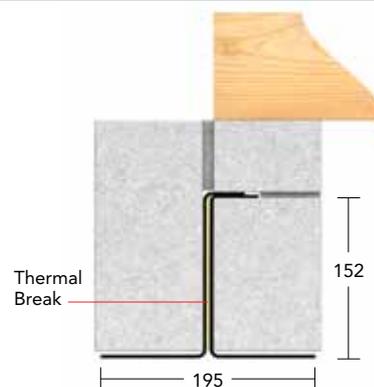
For light duty loading conditions and 215mm solid wall construction. To achieve loading figures, lintel must be built in with block/brickwork as shown. The TJ lintel range is available to suit 250 to 300mm wide walls e.g. specify L9/TJ 250, L9/TJ 300.



L9/HD TJ

Manufactured length 150mm increments	600- 1800	1950- 2100	2250- 3000
Height 'h'	152	152	152
Thickness	2.5	2.9	3.2
Total UDL kN 19:1	20	22	27

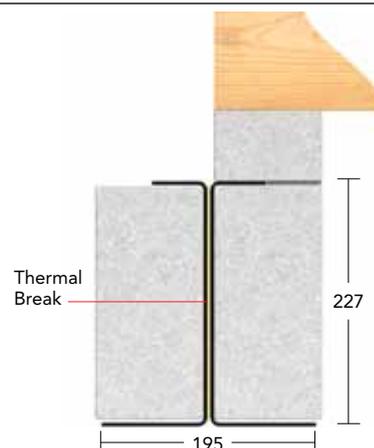
For heavy duty loading conditions and 215mm solid wall construction. To achieve loading figures, lintel must be built in with block/brickwork as shown. The L9/HD TJ lintel range is available to suit 250 to 300mm wide walls e.g. specify L9/HD TJ 250, L9/HD TJ 300.



I BEAM TJ

Manufactured length 150mm increments	600- 1800	1950- 2100	2250- 3000	3150- 4050	4200 4800
Height 'h'	227	227	227	227	227
Thickness	2.5	2.5	2.9	3.2	3.2
Total UDL kN 19:1	45	40	40	40	35

For heavy duty loading conditions and 215mm solid wall construction. To achieve loading figures, lintel must be built in with block/brickwork as shown. The IBEAM TJ lintel range is available to suit 250 to 300mm wide walls e.g. specify IBEAM TJ 250, IBEAM TJ 300.



Cavity Wall

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Roller Shutter Lintels

IG's Roller Shutter Lintel (L1/RSL) is a unique and innovative lintel solution designed to incorporate a security shutter system with a structural lintel. Integrated into the fabric of the building IG's roller shutter lintel ensures unobtrusive and enhanced aesthetics with increased security.

The lintel design can cater for traditional, timber frame and off site modular construction. Popular applications include schools and colleges, health and welfare facilities, community and sport centres, commercial and prestige residential developments.

Upon request IG can supply CAD details of the specially developed roller shutter and can provide an extensive client support service.

- Fully insulated box around roller shutter
- Removable panel allows access to roller shutter for maintenance

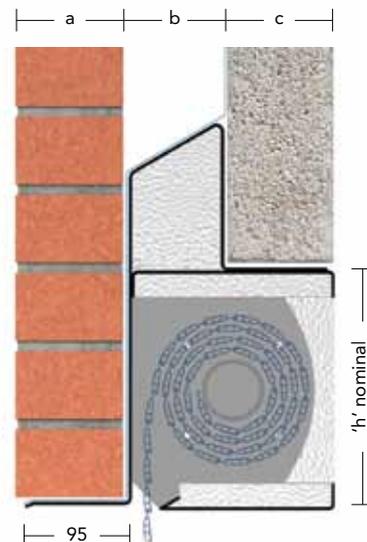
When the shutter is in the raised position, the window or door opening looks no different from any other structural opening. In the lowered position, the system gives a secure barrier against intruder and vandalism attack.

Custom made designs such as those for curved and arched windows are also available.

Please note that IG supply the Roller Shutter Lintel only and not the cavity closer guides or shutter.

Dimension requirements:

a =	<input type="text"/>	mm
b =	<input type="text"/>	mm
c =	<input type="text"/>	mm
h =	<input type="text"/>	mm
Lintel length =	<input type="text"/>	mm



UNIVERSAL ARCH

When low rise arches are required in brickwork above openings, the IG Universal Arch provides the ideal former for the bricklayer. Vacuum-formed from white pigmented impact resistant polystyrene.

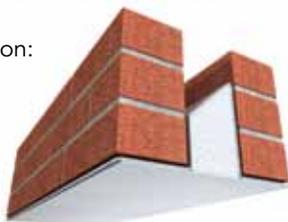
Suitable for use in cavity walls and with timber frame construction, the unit is designed to sit on any steel lintel with an outer flange of 90mm to 95mm.



FEATURE PLATE LINTEL

A feature plate can be supplied on all lintel profiles to suit 50-165mm wide cavities.

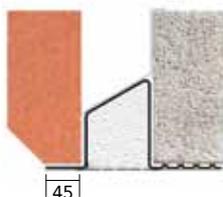
Example specification:
L1/S 100 (FP)



CANT BRICK LINTEL

The Cant brick Lintel can be supplied to suit all Lintel profiles for 50-165mm wide cavities.

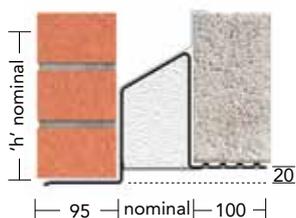
Example specification:
L1/S 100 (CB A=45mm)



STEPPED LINTEL

All cavity lintels in the IG range can be stepped to suit your requirements.

Example specification: L1/ST 100 (50mm step)



Standard step = 20mm
Can be stepped to suit.

UNIVERSAL ARCH SELECTOR

OPENING SIZES	NOMINAL ARCH SPAN	ARCH RISE	IG REFERENCE
450-500	475	75	IGAR 475
600-650	625	75	IGAR 625
650-700	675	75	IGAR 675
700-750	725	75	IGAR 725
800-850	825	75	IGAR 825
900-950	925	75	IGAR 925
1000-1050	1025	75	IGAR 1025
1100-1150	1125	75	IGAR 1125
1200-1250	1225	75	IGAR 1225
1300-1350	1325	75	IGAR 1325
1450-1500	1475	75	IGAR 1475
1500-1550	1525	75	IGAR 1525
1600-1650	1625	75	IGAR 1625
1650-1700	1675	75	IGAR 1675
1750-1800	1775	75	IGAR 1775
1900-1950	1925	150	IGAR 1925
1950-2000	1975	150	IGAR 1975
2100-2150	2125	150	IGAR 2125
2200-2250	2225	150	IGAR 2225
2300-2350	2325	150	IGAR 2325
2400-2450	2425	150	IGAR 2425
2550-2600	2575	150	IGAR 2575
2700-2750	2725	150	IGAR 2725

EXTENDED LINTWEL RANGE

If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

Fax Back Enquiry Forms are also available for download.
www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com



Weep Vents

Weep Vents create weep holes which are required over lintels to discharge collected water that may form at the window/door head. Each vent sits in the masonry perp end.

IG Weep Vents are positioned within the perp joints between masonry. Their function is two-fold:

- 1 They act as a weep to discharge water from DPCs, cavity trays and lintels.
- 2 They also act as ventilators to encourage the cavity to breathe.

IG Weep Vents also satisfy UK NHBC and Building Regulation requirements.

The compact IG Weep Vents can be accommodated within perp joints even when the external skin is constructed of masonry units of minimal height. They are therefore suitable for use within a wider range of walling styles.

The IG Weep Vent performs efficiently and being available in several colours means it merges and harmonises within masonry within which it is incorporated. IG Weep Vents have full height baffle protected water discharge routes and are not susceptible to blocking.

SIZES

49mm x 87mm x 9mm.
Free airflow approximately 300mm per unit

MATERIAL

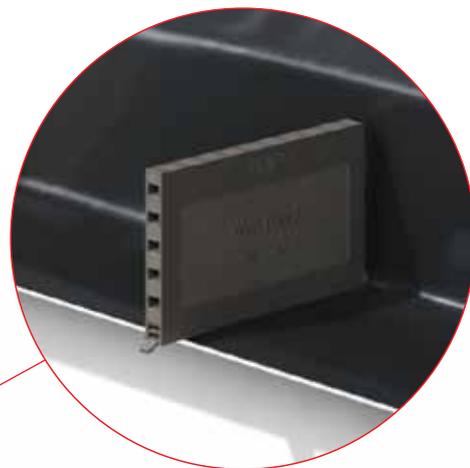
BS Polypropylene

INSTALLATION SITEWORK

Vents are required at 450mm intervals and each opening should have at least 2 weep holes.

TECHNICAL REQUIREMENTS

BS5628 - 3 2005 advises "Proprietary devices may be installed to form weepholes. They may be designed to drain the cavity but prevent the ingress of wind-driven rain. The IG Weep Vent provides all functions and can also be used as a perp ventilator. Vents are required at 450mm intervals and each opening should have at least to weep holes."





Stop Ends

A Stop End is required at each end of a lintel to prevent moisture cascading over the ends into the cavity and onto the inside wall.

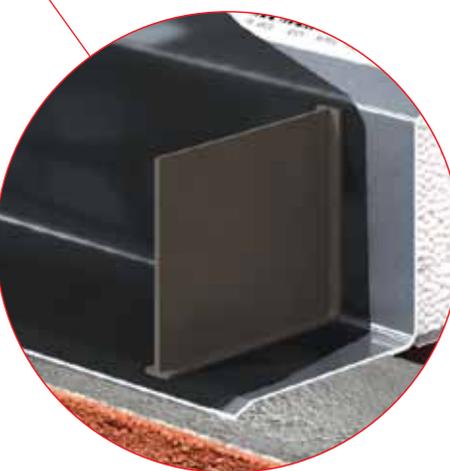
The use of Stop Ends quickly and economically introduces a lintel feature which removes the dangers that could occur with volumes of water being directed into the cavity.

STOP END SOLUTION

IG Stop Ends are available in two standard sizes. Stop Ends can be incorporated into the moulded base of the lintel by a butyl anchoring strip enabling the Stop End to be secured towards the end of the lintels in the most appropriate position to suit the masonry perp joint. When fitted discharge from lintels is directed through brickwork weeps.

WHY STOP ENDS ARE USED?

The Building Research Establishment defect action sheet (DAS98) states "If Stop Ends are not used on cavity trays or lintels acting as cavity trays, rain water discharge particularly in cavity filled walls, may wet the inner leaf, producing dampness of internal walls."



INSTALLATION SITEWORK

- 1 Ensure the surface of the lintel is clean and dry.
- 2 Remove protective covering of anchoring seal on bottom of Stop End.
- 3 Position to suit perp joint nearest the very ends of the lintels.





If lintels are required to carry loads not indicated on the load tables, please contact IG's Technical Department.

LINTEL HOTLINE
01633 486486

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www.iglintels.com/technical

IG Fastrack CAD Database is accessible from iglintels.com

Stainless Steel Lintels

IG's entire range of lintels are available in Austenitic Stainless Steel grade 304 2b to BS EN 10088-Part 2 Astm 240 (European Grade 1.4307). The loading tables published in this guide are the same for Stainless Steel as Galvanized Steel. All Stainless Steel lintels are supplied with the same high quality performance as our standard Galvanized lintels.

IG utilise Austenitic Stainless Steel grade 304 for their excellent tensile and yield strength properties, that have proven performance in a wide range of atmospheric and corrosive environments.

The use Stainless Steel is ideal when the life expectancy and maintenance programme of a building are key design considerations, for example in specialist laboratory or medical applications, hospitals, residential care homes, schools, prisons and institutional buildings. Stainless steel is suitable in these developments because of its outstanding anti-corrosion properties.

PRODUCT INFORMATION

- All IG Stainless Steel Lintels are manufactured from Austenitic Stainless Steel, grade 304 2b to BS EN 10088- Part 2 Astm 240 (European Grade 1.4307).
- Upon request, other grades of stainless steel lintels are available.
- All IG loading tables apply to both Stainless Steel and Galvanized Steel lintels.
- All IG Stainless Steel lintels are made to order, specific to each application.
- All standard stainless steel lintels from IG are BBA approved.
- Special lintels are also available in Stainless Steel, made to order.

CUSTOMER GUIDANCE

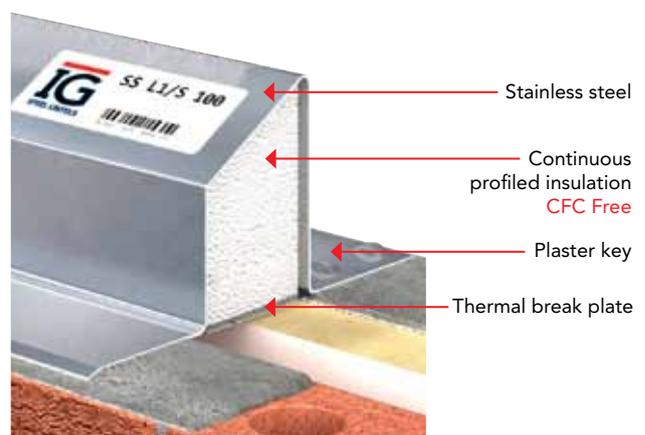
Our team of Engineers will provide customer guidance and technical information regarding all the possibilities and capabilities of Stainless Steel.

IG's Standard Corrosion Protection System of heavy duty Zinc coating is tested and proven in use for over 60 years in the industry.

The British Board of Agreement confirm that IG Lintels are satisfactory for use in all environments, including coastal locations, when installed with a separate DPC and stop ends.

'British Standard Code of Practice for the use of masonry – pt3; Materials and Components' recommends the use of Stainless Steel Lintels in buildings that are subjected to aggressive environmental conditions and buildings exceeding three storeys.

There is also a requirement for NHBC registered projects to use Stainless Steel Lintels in coastal locations, namely, within 500m of the shoreline.



IG's full range of lintels are also available in Stainless Steel, providing the same high quality and performance features as our standard Galvanised Lintels.

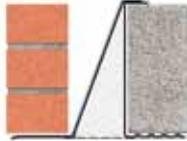


All lintels detailed within this guide are available in Stainless Steel. To specify Stainless Steel prefix standard lintel codes with 'SS'.

SS L1



SS L5



SS L6



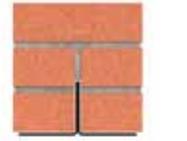
SS L7



SS L8



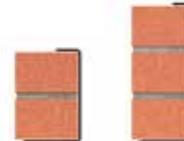
SS L9



SS L10



SS L11



SS IBEAM



SS BOX



SS L9 TJ



SS L1/E



SPECIAL LINTELS



SUN LOUNGE LINTELS



BETTER BY
DESIGN

IG
STEEL LINTELS

Hi-Therm

IG has redefined lintel performance with Hi-Therm, designed to exceed the thermal requirements in forthcoming building regulations. Hi-Therm is supported by an advanced technical service package.

Special Lintels

IG offer a complete custom design service to ensure your project has the best lintel for the job. Our technical expertise is renowned for delivering solutions with total efficiency.

Masonry Support & Windposts

IG continues to set the standard for masonry support and windpost systems for a range of building frame configurations. The innovative Qwik-Fix angle provides a versatile solution when masonry support is required.

Standard Lintels

IG produce a wide range of standard galvanised steel and stainless steel lintels. All IG standard lintels satisfy the thermal performance requirements of all UK building regulations.

Brickwork Feature Lintels

IG Brickwork Feature Lintels are a one piece prefabricated unit, manufactured bespoke to order, achieving even the most challenging architectural designs.

Cavity Trays

The IG Cavity Tray presents a lightweight, simple to install and long-lasting solution to preventing damp from penetrating below the roof line.

www.iglintels.com

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NHBC



IG-LG | 05.12