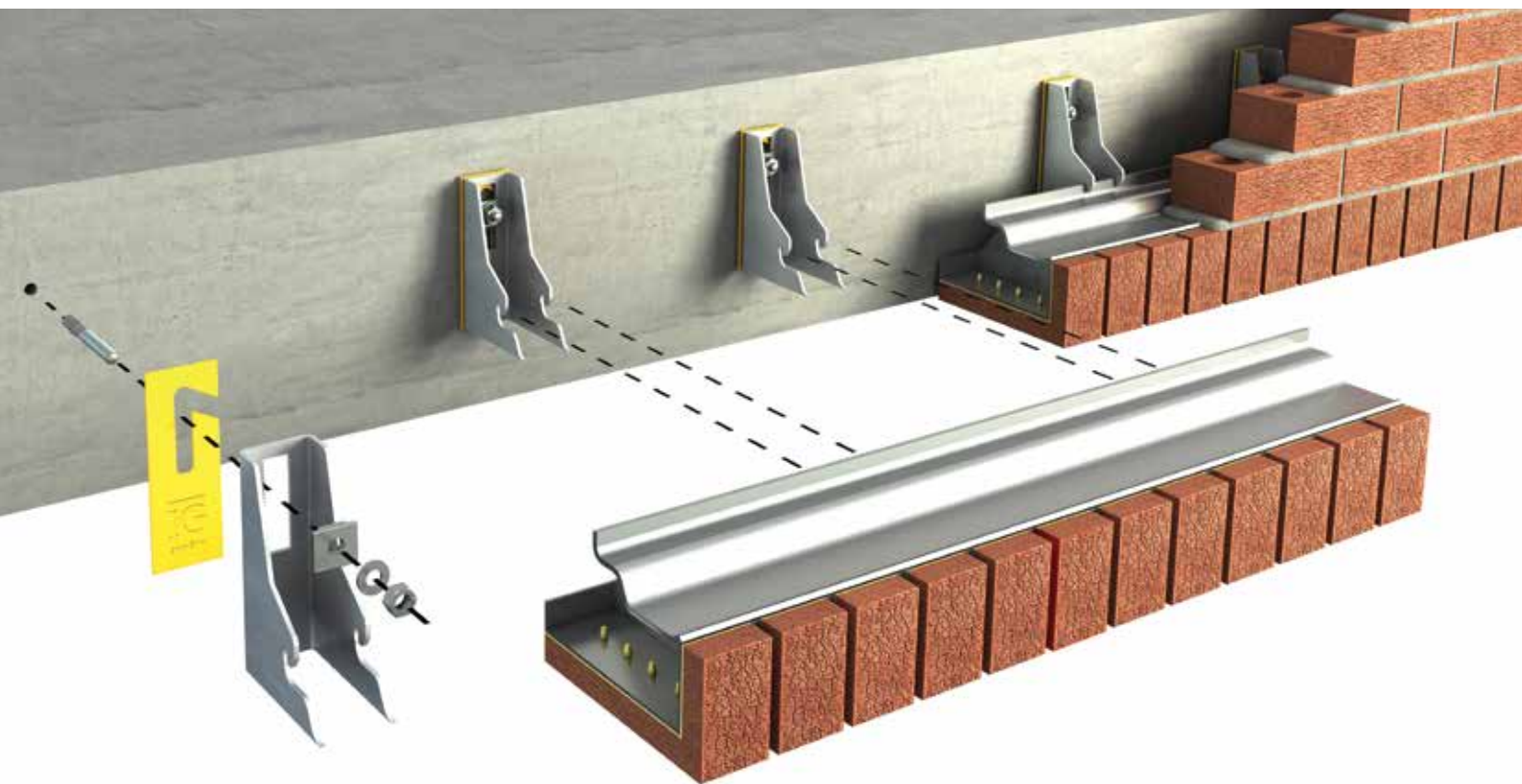


## MASONRY SUPPORT, BRICK SLIP SOLUTIONS & WINDPOSTS



# IG BETTER BY DESIGN

IG have combined experience with innovation to provide the most practical and advanced range of masonry support and brick slip products on the market.

Founded in 1958, IG Masonry Support Systems is a division of Europe's largest manufacturer of steel lintels.

IG design, manufacture and supply high quality steel systems throughout Europe.



BS EN 1090-1

CE marking of structural steelwork to BS EN 1090 is mandatory in the UK and all European Union member states under the Construction Products Regulation (CPR).

All IG Masonry Support products comply with this regulation and feature the CE Mark.



British Standards Institution ISO 9001



British Standards Institution ISO 14001



Builders Merchants Federation



Investors in People Accreditation



Home Builders Federation



National House Building Council

# Masonry Support Systems

CONTENTS	PAGE
IG Service	04
Product specification	05
Solving the common issues	06
Why use IG Masonry Support	08
<b>Masonry Support Range</b>	<b>10</b>
IG <b>TITAN</b> System	12
IG WMS System	16
IG Brick Slip Lintels	18
IG Brick Slip Masonry Support	20
IG Brick Slip Soffit Panels	24
Bespoke Brick Slip Solutions	25
<b>IG Windposts</b>	<b>26</b>
IG Windpost Range	28
IG Windpost Connections	30
Windpost Loading Tables	32



# Service

IG brings you service from 3 centres across the UK and a support team in your local area.

## TECHNICAL SUPPORT

IG provides comprehensive technical support for all our masonry support products. Our free scheduling and specification service offers fast turnaround on masonry support and windpost systems. Our experienced team of over forty structural and civil engineers offer a free design service and on-site support offering a range of off the shelf and bespoke solutions.

By contacting our engineers at an early stage of your design process, you will potentially gain significantly more design flexibility for the overall project. Ask for an IG Engineer to visit your site or office. We relish the opportunity to liaise with industry professionals on building projects, regardless of size.



## 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. Products are delivered direct to site, specific to your site requirements.



## SERVICE

From your first contact with IG you will know you are dealing with people who care about you and your business. IG staff are responsive, proficient, knowledgeable and receptive to any urgent requirements you may have. IG utilize the ultimate in Enterprise

Resource Planning software to track every step in your IG experience - from technical enquiries, schedules and orders through to manufacturing and delivery. This system ensures that our sales office can fully track the status of your order.



# Product Specification

## IG TITAN Masonry Support

**Manufacturer**

IG Masonry Support Systems Ltd.

**Product Reference**

**TITAN 8,10,12,14**  
(unfactored loadings).

**Material**

Austenitic Stainless Steel Grade 304.

**Size**

To suit cavity widths ranging from 70-150mm (fine adjustment available).

**Fixings**

Refer to Technical Dept for details. Systems are suitable for fixing back to concrete and steel. Nylon shim supplied as standard, position between the back of the bracket and the sub-structure.

## IG Brick Slip Masonry Support

**Manufacturer**

IG Masonry Support Systems Ltd.

**Product Reference**

**BSMS**  
(Brick Slip Masonry Support). Various bond patterns available.

**Material**

Austenitic Stainless Steel Grade 304. BBA Approved Adhesive and Brick Slips (consignment of brick collected from site).

Steel is perforated to form a mechanical lock with the adhesive.

**Size**

Tailored to projects needs.

**Fixings**

Refer to Technical Dept for details. Systems are suitable for fixing back to concrete and steel. Nylon shim supplied as standard, position between the back of the bracket and the sub-structure.

## IG WMS Masonry Support

**Manufacturer**

IG Masonry Support Systems Ltd.

**Product Reference**

**WMS Systems**  
reduced cavity widths and site specific requirements.

**Material**

Austenitic Stainless Steel Grade 304.

**Size**

Tailored to projects needs.

**Fixings**

Refer to Technical Dept for details. Systems are suitable for fixing back to concrete and steel. Nylon shim supplied as standard, position between the back of the bracket and the sub-structure.

## IG Brick Slip Soffit Panels

**Manufacturer**

IG Masonry Support Systems Ltd

**Product Reference**

**BSSP**  
(Brick Slip Soffit Panels). Various bond patterns available

**Material**

9mm Magnesium Board, BBA Approved Adhesive and Brick Slips (consignment of brick collected from site).

**Size**

Tailored to project's needs, toothed to interlink seamlessly on site

**Fixings**

Refer to Technical Dept for details. Screw fixed to sub-structure, designed by others.

## IG Brick Slip Lintels

**Standard**

BS EN 845-2:2013

**Manufacturer**

IG Masonry Support Systems Ltd.

**Product Reference**

**BSL**  
(Standard Loadings),  
**HDBSL**  
(Heavy Duty Loadings),  
**XHDBSL**  
(Extra heavy Duty Loadings).

**Material**

Galvanised DX51D + Z600 Powder Coated Steel or Austenitic Stainless Steel Grade 304. BBA Approved Adhesive and Brick Slips (consignment of brick collected from site). Steel is perforated to form a mechanical lock with the adhesive.

**Size**

Tailored to projects needs.

**Fixings**

Not Required.

# Solving the common **issues**

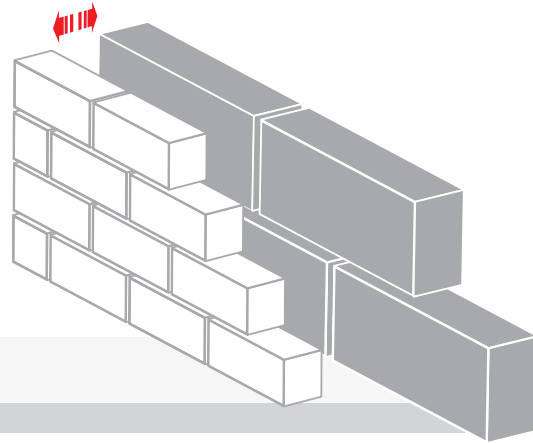
At IG, innovation drives the development of superior masonry support systems, designed specifically to answer the changing needs of the industry.

## ISSUE

1

### Cavity variations

Site conditions often vary from plan and can result in variations of cavity width.

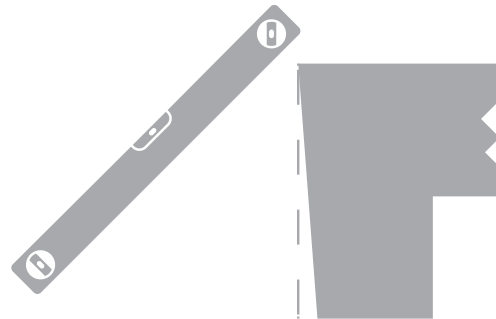


## ISSUE

2

### Support structure "not plumb"

Fixing on to structures which may not be totally plumb is a common issue on-site.

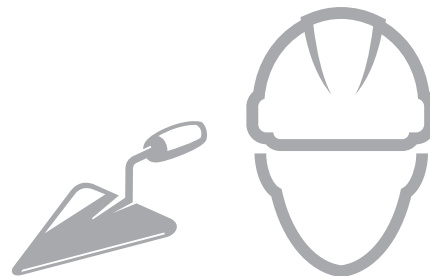


## ISSUE

3

### Maintaining build quality on-site

The lack of sufficient skilled labour can be a challenge when quality detailing is required.



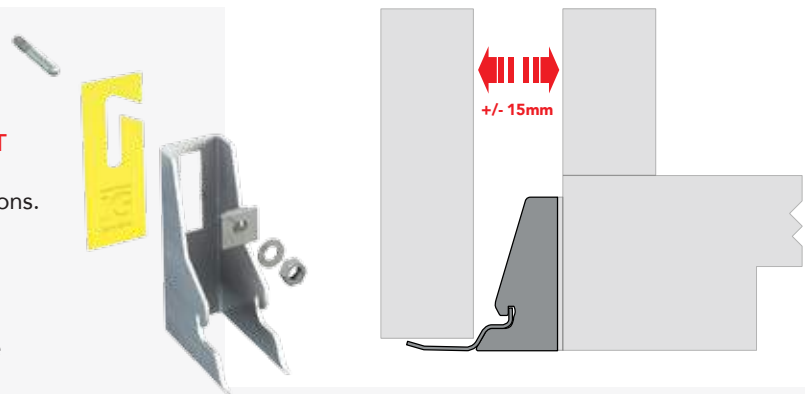
# ...with unique **innovations**

## Innovation 1

### MAXIMUM CAVITY WIDTH ADJUSTMENT

Titan's innovative bracket profile can accommodate typical on-site cavity variations. For example the MSB 100 bracket can be adjusted to cope with cavity widths from 85mm to 115mm.

For details of how to apply this rule please see page 14.



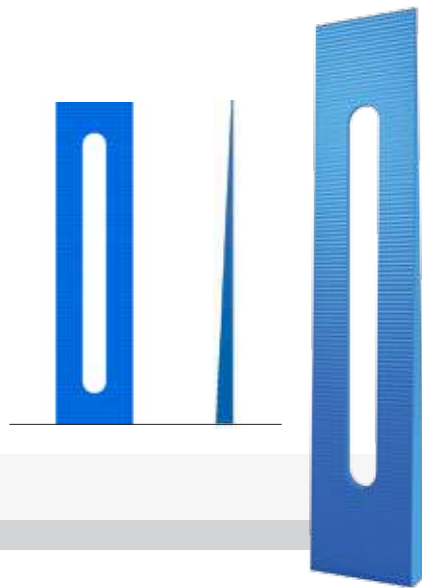
## Innovation 2

### EASY ON-SITE "OFF PLUMB" ADJUSTMENT

Our innovative Wedged Shim device enables the brackets to be secured true to the perpendicular even when the supporting structure is "off plumb".

The Wedged shims provide a simple self-levelling action as the brackets are secured.

Each shim offers 1.5° alignment.

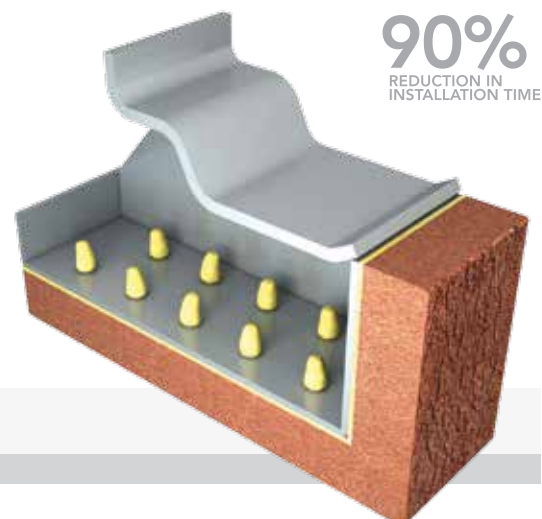


## Innovation 3

### EASY ON-SITE INSTALLATION WITH OFF-SITE QUALITY

Our unique Brick Slip Masonry Support Systems are produced off-site dramatically reducing the time taken on-site to create brick soffits and other brick detailing by up to 90%.

IG's innovative patented design for brick adhesion creates a mechanical lock as the adhesive passes through the perforated steel carrier. Quality is enhanced by the offsite, factory production process.



# Why use IG Masonry Support?

Masonry Support Systems provide a solution to the movement of brickwork due to factors such as moisture, thermal fluctuation, loading, ground movement and structure settlement.

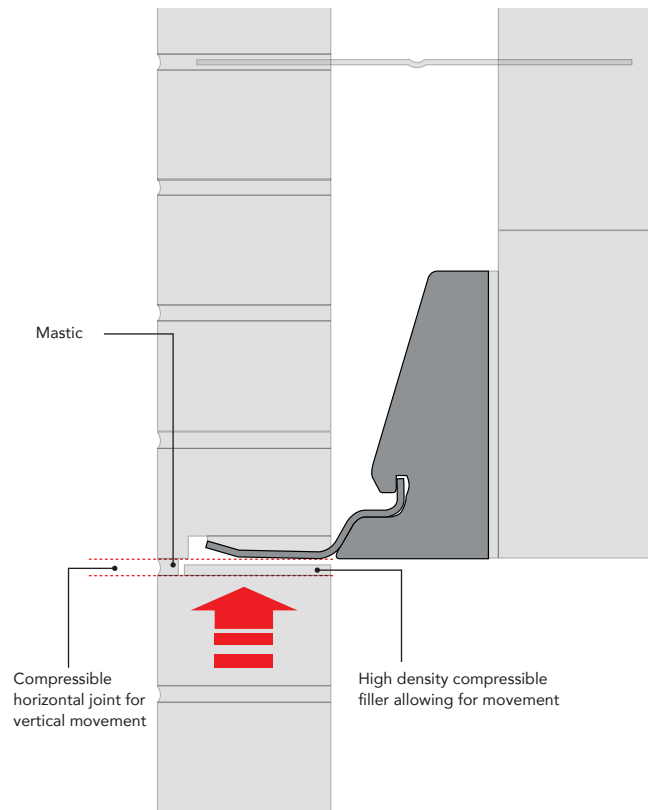
## HORIZONTAL MOVEMENT JOINTS

To cope with vertical movement in a masonry facade a compressible horizontal joint must be introduced at the required levels.

The underside of the shelf angle should be set 2.5mm above the level of the compressible filler to allow for any settlement that may occur as a result of the vertical dead load imposed by the masonry and to accommodate expansion of the brickwork below.

The minimum expansion gap should be at least 12mm where there is a single story height of brickwork below the support system. The gap should be increased by 1mm for every additional metre in panel height.

Wall ties should support the panel no more than 300mm above and below the shelf angle.



## STRESS FRACTURING

Masonry Support Systems provide a solution to issues such as stress fracturing and cracking to brickwork. Fracturing can occur as a result of excessive loading and expansion. Masonry Support Systems alleviate this problem.

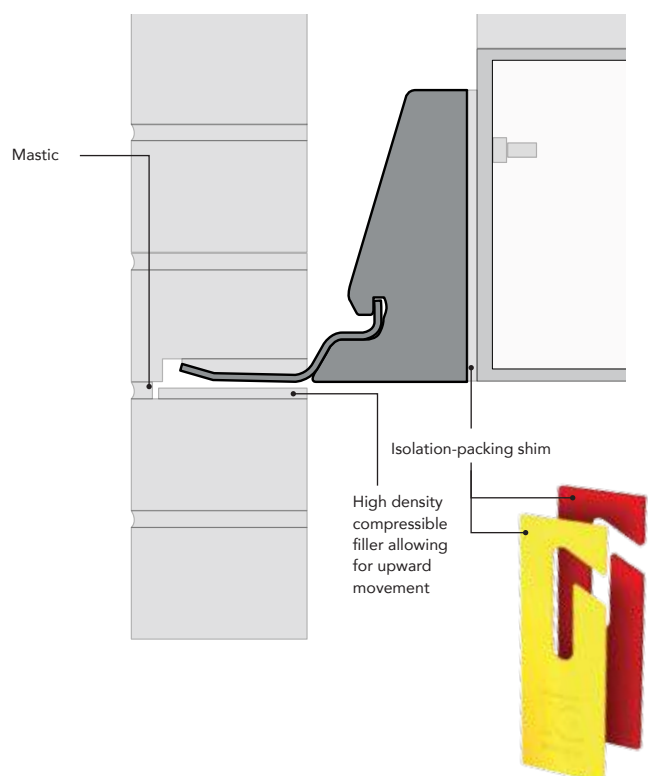
## FIXING TO STEEL - CORROSION RESISTANCE

The structural steel member must be designed to minimise deflections and accommodate the torsional forces created by eccentric loading from the brickwork.

IG Masonry Support Systems are manufactured from 304 austenitic stainless steel. Isolation-packing shims are installed between the IG Masonry Support bracket and the structural steel frame to prevent Bi-metallic corrosion.

Bi-metallic reaction is the corrosive effect which occurs when two dissimilar metals such as stainless steel and mild steel are in direct contact with each other in a damp environment.

IG Masonry Support Systems supply isolation-packing shims as standard.





**DIFFERENTIAL MOVEMENT**

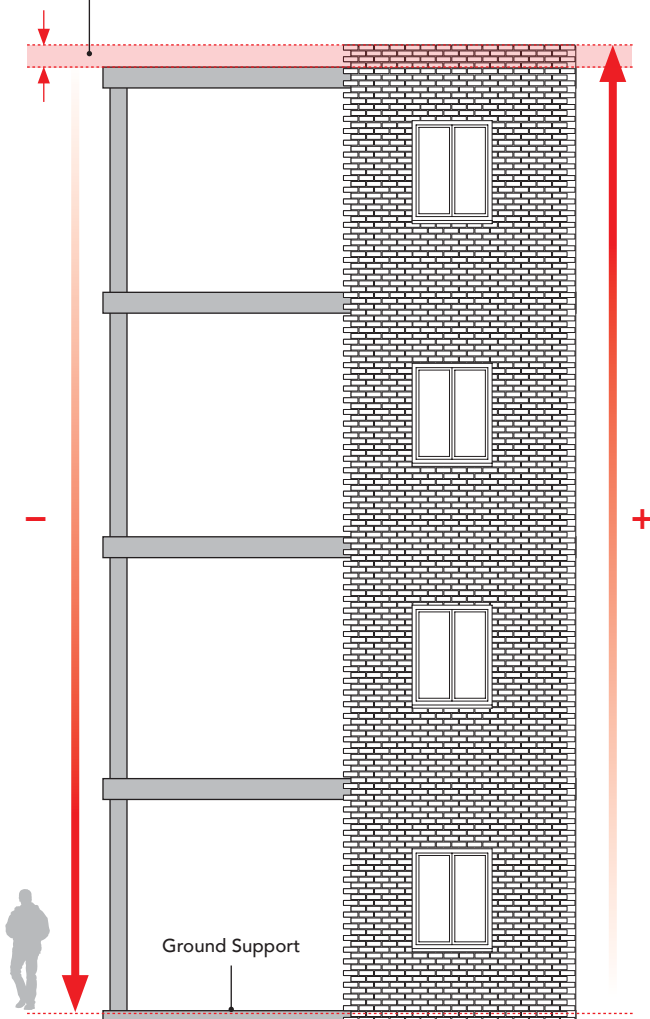
Differential movement is typically caused by settlement in the building frame in the opposite direction to potential expansion of the brick outer leaf which may be caused by thermal fluctuations and moisture absorption.

**LIMITATION ON UNINTERRUPTED HEIGHT**

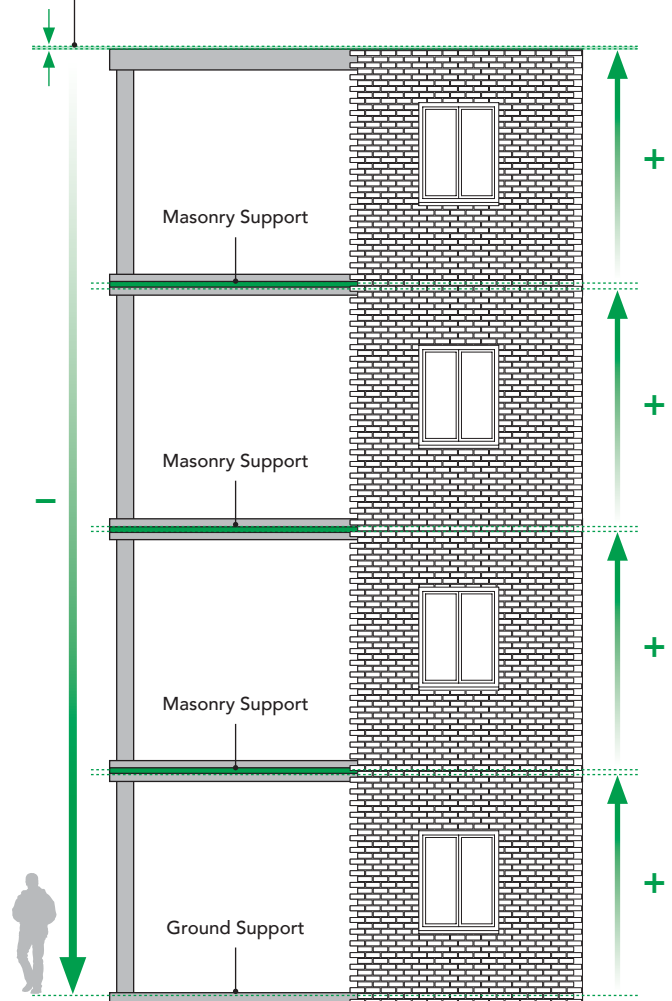
When the method of limiting the uninterrupted height is adopted in accordance with BS 5628 : Part 1, the outer leaf should be supported at intervals of not more than every third storey or every 9m, whichever is less. This method employs shelf angles and horizontal joints, which subsequently provides a means of vertical movement control. For buildings not exceeding four storeys or 12m in height, whichever is less, the outer leaf may be uninterrupted for its full height. However masonry support is often incorporated in many buildings of less than four storeys or 12m.



Outer leaf supported at ground level only:  
**Large Differential Movement**



Outer leaf supported with Masonry Support:  
**Minimal Differential Movement**



# Masonry Support Range

## MASONRY SUPPORT SHELF SYSTEMS

### TITAN SYSTEM Component shelf system



IG's Titan System is designed to meet with the industry's demand for speed of construction. All configurations are available ex-stock meeting all the builder's needs.

This system offers a range of bracket sizes to accommodate various cavity widths. IG Titan is a fully adjustable system accommodating loads up to 14 kN/m.

For more information, turn to  
**Page 12**

**MATERIAL**  
Stainless Steel shelf and brackets  
Grade 304 (European grade 1.4307 & 1.4301)

- Available ex stock
- Easy to specify
- Front loading for ease of installation
- On-site adjustability
- Speed of installation

**LOADING SPEC**  
Supports unfactored masonry loads up to 14kN per metre

### WMS SYSTEM Welded shelf system



A rigid Masonry Support System manufactured bespoke to accommodate projects with very specific requirements, eg. reduced cavity widths or increased loading.

IG's Welded Shelf Systems are fabricated to engineer specifications and design assistance will be provided by the IG technical team.

For more information, turn to  
**Page 16**

**MATERIAL**  
Stainless Steel Shelf System  
Grade 304 (European grade 1.4307 & 1.4301)

- Extra strength to support extreme loads
- Flexibility – can be supplied in a variety of configurations
- On-site Adjustability
- Ease of installation

**LOADING SPEC**  
Supports unfactored masonry loads up to and exceeding 14kN per metre

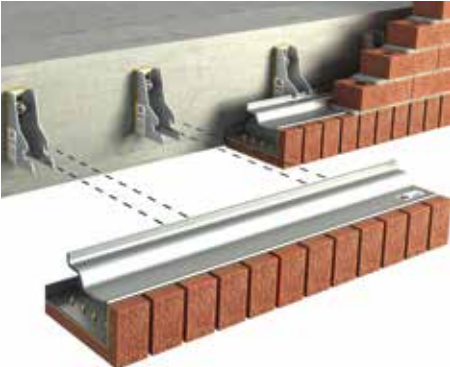
**BRICK SLIP SYSTEMS WITH MASONRY SUPPORT**

**BRICK SLIP PANELS**

**BRICK SLIP LINTELS**  
Window and door openings

**BRICK SLIP SHELF SYSTEMS**  
Large span openings

**BRICK SLIP SOFFIT PANELS**  
Deep soffit areas



IG's Brick Slip Lintels can be used over small openings and eliminate the need for additional masonry supports.

Supplied in stainless steel or galvanised steel, IG's Brick Slip Lintels have the same profile as a standard lintel and are delivered to site as a one piece unit complete with brick slips attached eliminating the need for specialist installation on-site.

For more information, turn to **Page 18**

IG's Brick Slip Masonry Support Systems are one piece prefabricated units manufactured off-site and delivered to site complete with bricks bonded to them. This system offers a major reduction in on-site labour and installation time. All solutions are customised to your requirements.

IG's bespoke components use our patented adhesion system and are delivered to site as a complete unit ready for installation.

For more information, turn to **Page 20**

IG's Brick Slip Soffit Panels provide a lightweight pre-fabricated brick slip cladding system which achieves a deeper soffit that blends seamlessly with already constructed brickwork on-site.

Produced off-site, this innovative system enables masonry to be assembled with speed and efficiency without the need for specialist installation.

For more information, turn to **Page 22**

**MATERIAL**  
Stainless Steel Grade 304/ (European grade 1.4307 & 1.4301) or Galvanised powdercoated Steel, BBA approved adhesive & 25mm brick slip

- Speed of installation – installed as a standard lintel
- Cost saving
- Available in stainless steel or galvanised steel

**LOADING SPEC**  
Supports loads over small scale openings – contact our technical team for design requirements

**MATERIAL**  
Stainless Steel, Grade 304 (European grade 1.4307 & 1.4301) BBA approved adhesive & 25mm brick slip

- Time saving on-site
- Light weight for fast build programmes
- Customised to your requirements
- Reduced labour – no brick fixings required on-site.

**LOADING SPEC**  
Supports unfactored masonry loads up to and exceeding 14kN per metre

**MATERIAL**  
9mm magnesium board, BBA approved adhesive & up to 25mm brick slip

- Achieve deep brick soffit detail
- Faster and easier installation than traditional masonry construction
- Lightweight
- No shuttering required
- Reduced labour – no brick fixings required on-site
- Blends seamlessly with already constructed brickwork
- Various bond patterns can be achieved

# IG TITAN™ SYSTEM

A high performance loose fit shelf Masonry Support System designed to give maximum flexibility on-site.



BS EN 1090-1

Designed to meet with the industry's demand for speed of construction, Titan is an ex-stock system with a range of components suitable for cavity widths between 70 and 150mm. The system can be specified for loadings up to 14 kN/m.

## KEY BENEFITS

- Available ex stock
- Front fit loading for ease of installation
- Increased adjustability
- Reduces risk of working with heavy masonry at height
- Fast installation
- Reduced on-site labour requirement

The Titan System consists of a front loaded shelf angle, brackets, lock washers, shims and bolts. With increased adjustability and added strength the Titan System gives engineers peace of mind and provides flexibility on-site.

Titan facilitates easy front installation of the masonry support shelf while the bracket system is designed to accommodate typical build tolerances on-site, ensuring accurate installations.

Loads up to  
**14 kN/m**

SUITABLE FOR  
CAVITY WIDTH/S

**70mm to 150mm**

For cavity widths exceeding 150mm please contact our technical team

**SUPPORT HOTLINE**  
**01283 200 157**

### LOADING

IG's Titan System is supplied in configurations to accommodate loads of 8, 10, 12 and 14 kN/m and the system is specified simply to reflect these loading values (eg. **TITAN10** = up to 10kN/m).

### CAVITY WIDTH

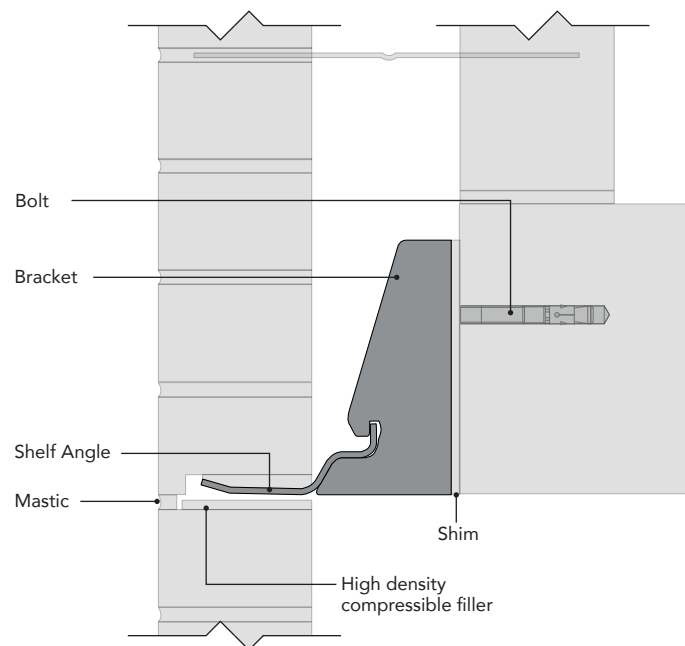
IG's Titan System is suitable for use with any outer leaf material: brickwork, fairface blockwork, rendered blockwork and reconstituted stone.

Standard brackets are available for cavity widths ranging from 70 to 150mm.

When designing for cavity widths greater than 150mm in width, you should contact the IG technical department for design assistance on fixing details.

### POSITIONING THE SHELF

The underside of the shelf angle should be set 2.5mm above the level of the compressible filler to allow for any settlement that may occur as a result of the vertical dead load imposed by the masonry and to accommodate expansion of the brickwork below.



### TITAN SYSTEM SPECIFICATION

System Type	Designed Load (kN/m)	Angle Length (mm) *	Bracket Centres (mm)
<b>TITAN 8</b>	8	1190	600
<b>TITAN 10</b>	10	990	500
<b>TITAN 12</b>	12	990	500
<b>TITAN 14</b>	14	790	400

For cavity widths greater than 150mm please contact the IG technical department.

### BOLT SPECIFICATION

Bolt type	Fixing to	Drill Hole Diameter (mm)	Torque (Nm)	Supplier name
<b>FBN II 12/20 A4</b>	Concrete	12	35	Fischer
<b>FAZ II 12/20 A4</b>	Concrete	12	60	Fischer
<b>RG M 12x120 A4</b>	Concrete	14	40	Fischer
<b>HD BOLT M12x60</b>	Steel	12	30	Blindbolt
<b>SET SCREW M12x60</b>	Steel	14	73.5	Fit-Lock

For guidance on bolt specification please contact the IG technical department.

## IG TITAN™ SYSTEM

### ADJUSTABILITY

IG's Titan System provides significant adjustability in all three planes to ensure that building tolerances can be accommodated and contact with reinforcing can be avoided when drilling holes.

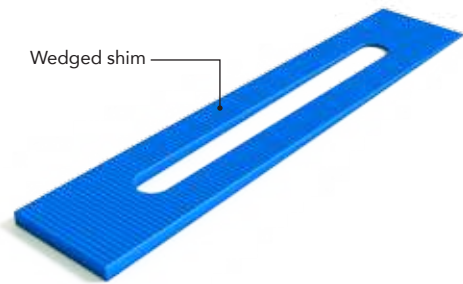
### Shimming

To accommodate a small increase in cavity width, shims can be inserted between the support structure and the bracket. Shims are available in 2mm and 6mm thicknesses. 2mm shims are provided as standard. The collective number of shims should never exceed 3No. and the thickness of shims used should never exceed 12mm.



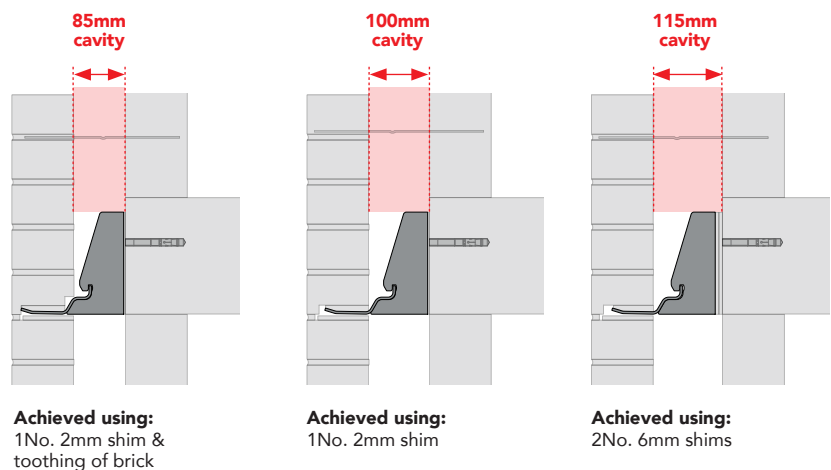
### Off plumb adjustment

Our innovative Wedged Shim device enables the brackets to be secured true to the perpendicular even when the supporting structure is "off plumb".



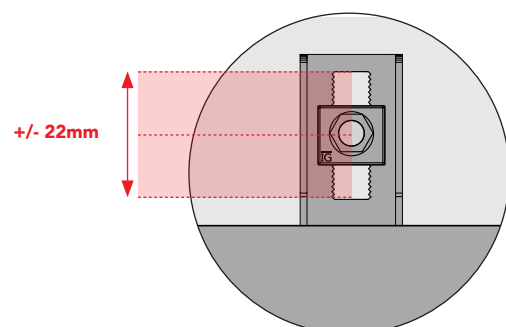
### Unique maximum cavity width adjustment

The Titan System can accommodate on-site variations to a specified cavity width. To the right are three examples of how the MSB-100 bracket specified for a 100mm cavity wall application can facilitate a variation in cavity width from 85mm to 115mm.



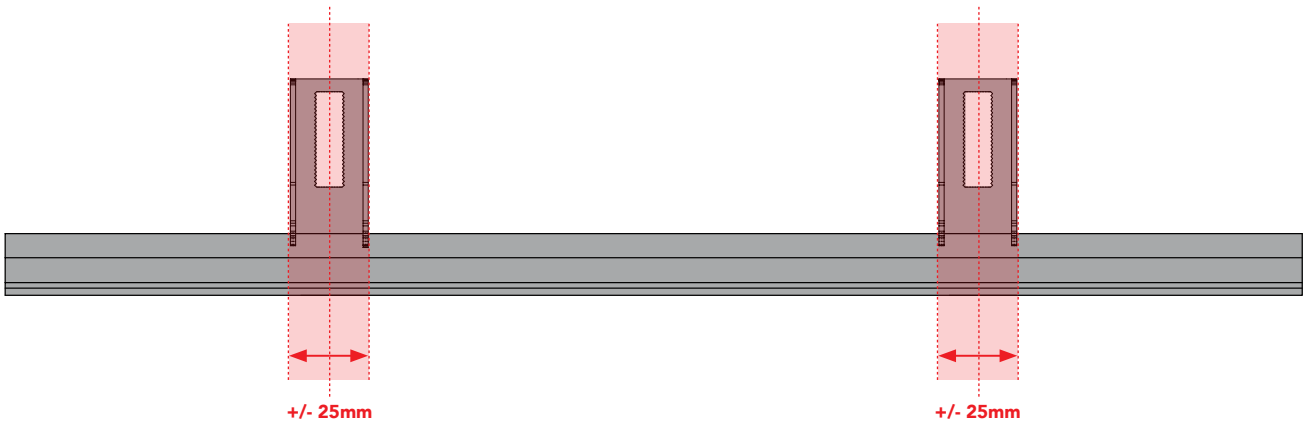
### Vertical adjustment

Vertical adjustment is offered by means of a toothed Lock Washer. This Lock Washer is inserted into the serrated slot in the support bracket. The lock washer can be adjusted vertically to move the bracket higher or lower if required. The serrated area at the back of the bracket allows up to 22mm of adjustment in either direction on the vertical plane. The lock washer also offers fine adjustment by rotating it through 180 degrees; this is achieved by the offset hole in the lock washer.



### Lateral adjustment

The Titan System support brackets may be moved up to 25mm left or right of the specified fixing centres.



### External corners

When installing IG Titan System at an external corner you need two mitred shelf angles. Each shelf angle consists of three support brackets and they are positioned as follows.

#### Bracket 1

Is positioned 150mm in from the corner of the support structure.

#### Bracket 2

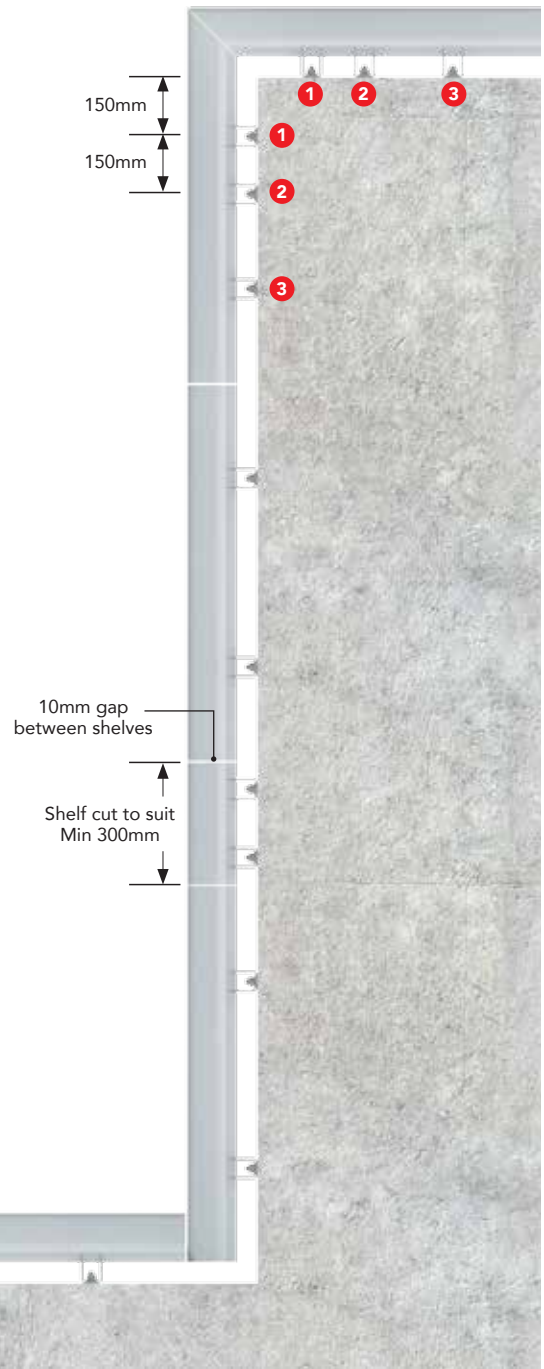
Is positioned a further 150mm in from the centre of the first bracket.

#### Bracket 3

is positioned towards the other end of the shelf, drawings can be provided upon request.

### Site cutting

IG Titan System's standard shelf angle can be cut on-site. Any cut or reduced length must still be supported by a minimum of 2 brackets. The minimum length that the shelf can be trimmed down to is 300mm with the minimum bracket spacing of 150mm. If the required space is less than 300mm then two shelves will have to be cut.



# IG WMS SYSTEM

A high performance shelf system with fixed brackets suitable for extreme loads.



BS EN 1090-1

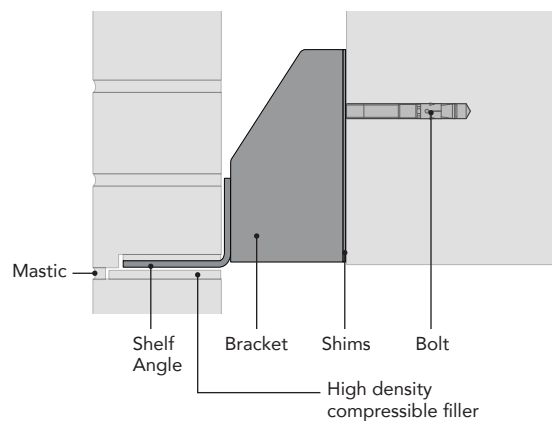
Designed to accommodate loads up to and exceeding 14kN/m and bespoke fixing applications, IG WMS is fabricated to engineers specifications on a project basis.

IG's Welded Masonry Support (WMS) is a rigid masonry support system comprised of a stainless steel angle support shelf with fixed brackets.

IG's team of engineers offer a bespoke design service including on-site measurement and technical assistance.

## KEY BENEFITS

- Extra strength to support extreme loads exceeding 14kN/m
- Flexibility - can be supplied in a variety of configurations
- On-site adjustability
- Ease of installation





Loads up to & above  
**14 kN/m**

SUITABLE FOR  
CAVITY WIDTH/S

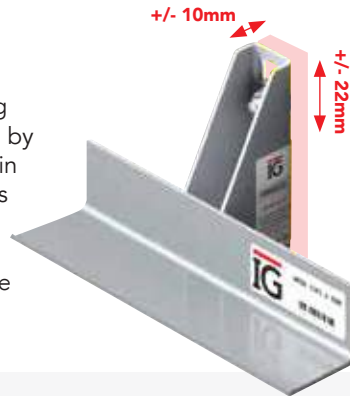
**50mm to 150mm**

For cavity widths exceeding 150mm please contact our technical team

**SUPPORT HOTLINE**  
**01283 200 157**

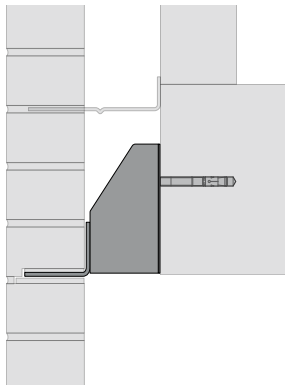
**ADJUSTABILITY**

IG's WMS System provides significant adjustability on two planes to ensure that building tolerances can be accommodated and contact with structural reinforcing can be avoided. Vertical adjustment can be achieved by means of a toothed lock washer and a small increase in cavity width can be accommodated by inserting shims between the support structure and the bracket. Our innovative Wedged Shim device enables the brackets to be secured true to the perpendicular even when the supporting structure is "off plumb".

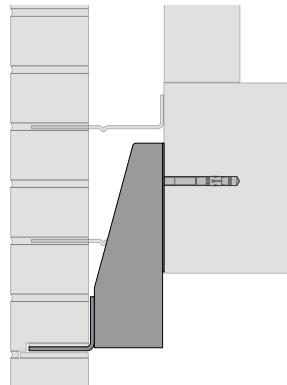


**Design variations**

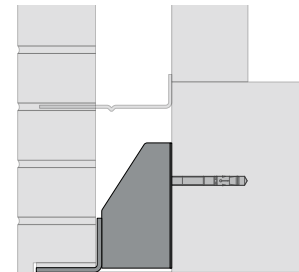
IG's range of masonry support products can be supplied with brackets to accommodate a range of applications. Below are examples of some of the design variations available.



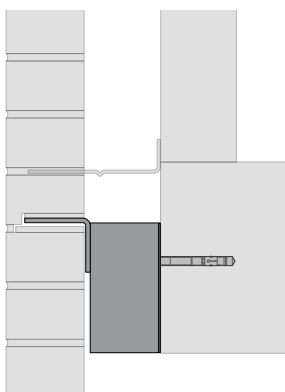
**WMS**



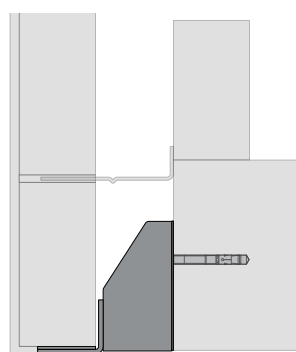
**WMS Dropper**



**WMS Cavity closer**



**WMS Inverted**



**WMS Plaster key**

**Other variations**

IG can offer a number of other variations.

Please contact our technical team for more information.

# IG BRICK SLIP LINTELS

IG's revolutionary 'Brick Slip' adhesion system applied to single leaf lintels.



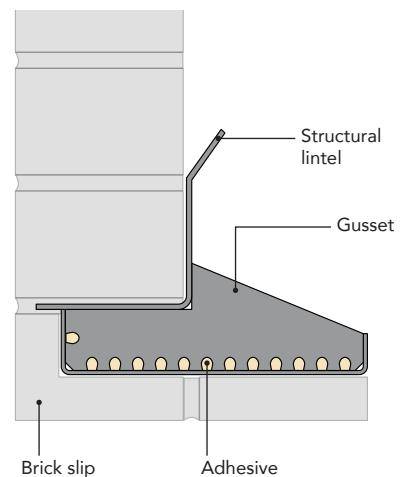
Used over windows and door openings, Brick Slip Lintels eliminate the need for additional masonry supports and save time on installation and the need for specialist trades.

IG's Brick Slip Lintels provide a unique solution for designers and engineers. IG's prefabricated units are manufactured off-site and delivered complete with unpointed bricks bonded to them offering a major reduction in on-site labour. Brick Slip Lintels are installed in the same way as a standard lintel with no fixings required.

IG receive a consignment of the brick being used on-site to ensure that the finished lintel blends seamlessly with on-site brickwork.

## KEY BENEFITS

- Manufactured bespoke to your requirements
- Simply installed as a standard lintel
- Blends seamlessly with already constructed brickwork
- Prefabricated for major reduction in on-site labour requirement
- Cost saving



Suitable for  
**Openings  
over windows  
and doors**

Please contact IG for full technical support

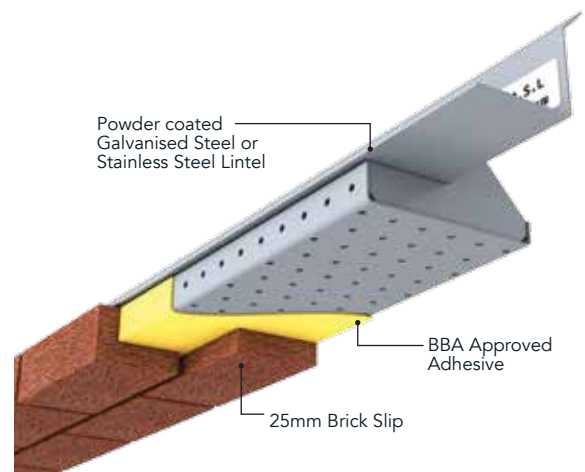
**SUPPORT HOTLINE  
01283 200 157**

**PATENTED BRICK TO STEEL BONDING**

With thousands of installations completed over the past decade the IG system is a proven and reliable solution.

The patented design of the perforated steelwork allows the adhesive to pass through and form a mushroom on the inside of the steel creating a physical key.

Our patented Brick Slip System has undergone independent testing by Ceram.



**CERAM BUILDING TECHNOLOGY**

Test report Number SW238/02



**BRICK ADHESIVE**

IG uses a specialist hi-performance adhesive designed primarily for the decorative brick industry which has been extensively tested and is BBA approved.

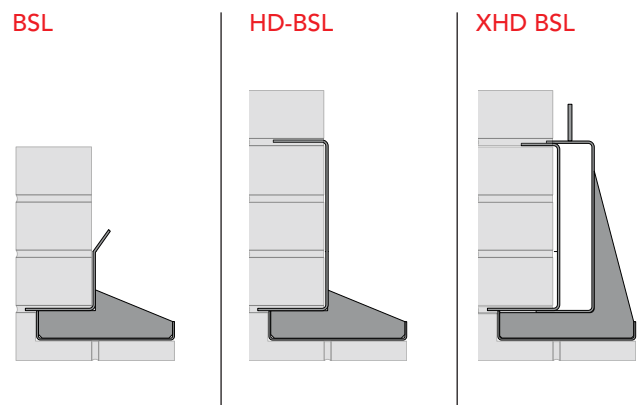
**CONTROLLED CONDITIONS**

IG Brick Slip Lintels are produced off-site in a factory environment which ensures that the bonding process occurs in optimum controlled conditions free from wet weather, extreme temperature variations and excessive dust.

**MATERIAL**

Brick Slip Lintels can be supplied in stainless steel or galvanised steel.

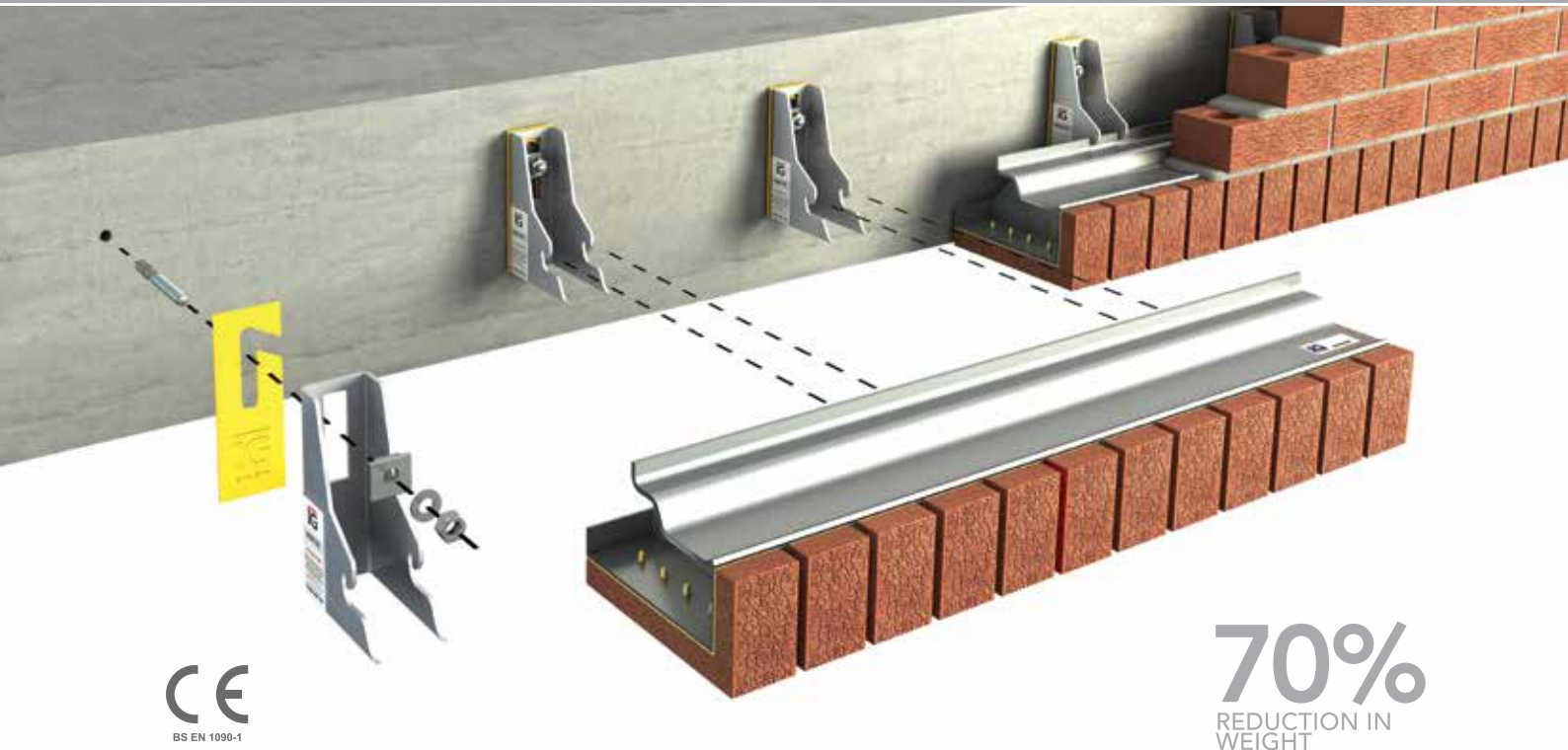
**Design variations**  
IG's Brick Slip Lintels can accommodate any variation in soffit and face depth. Our design team can offer solutions for any bond pattern required.



Various bond patterns available such as: Stretcher, Header and Rowlock.

# IG BRICK SLIP MASONRY SUPPORTS

IG's revolutionary 'Brick Slip' system offers fast, lightweight solutions for soffits of all shapes & sizes



IG's Brick Slip Masonry Support Systems are one piece prefabricated units manufactured off-site and delivered complete with bricks bonded to them. This system offers a major reduction in on-site labour and installation time. All solutions are customised to your requirements.

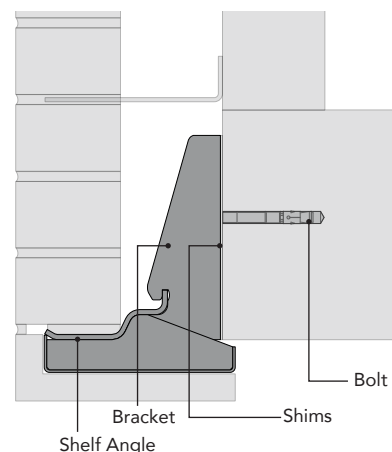
## REVOLUTIONARY NEW SYSTEM

IG's lightweight brick slip units offer fast hassle-free installation and are simply installed as a traditional masonry support system. Our bespoke systems offer a 70% weight saving against an equivalent concrete product negating the need for mechanical handling.

IG receive a consignment of the brick being used on-site to ensure that the finished brick slip masonry support blends seamlessly with already constructed brickwork.

## KEY BENEFITS

- Time saving on-site
- Lightweight for fast build programmes
- Simply installed as our standard Masonry Support System
- Customised to your requirements
- Support steelwork is hidden
- No brick cutting required on-site
- Various brick patterns and soffit sizes available



Loads up to and above  
**14 kN/m**

Please contact IG for full technical support

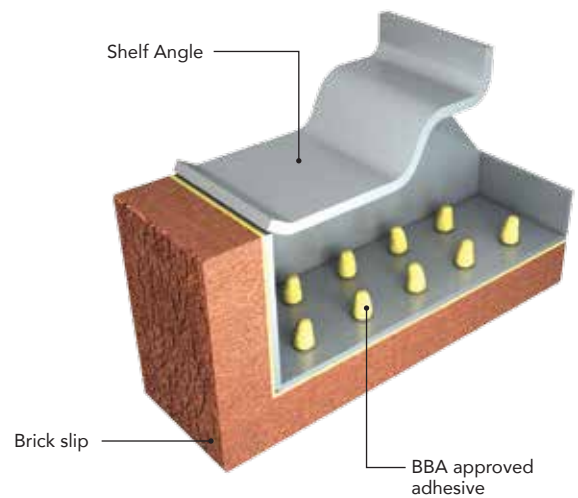
**SUPPORT HOTLINE**  
**01283 200 157**

**90%**  
REDUCTION IN  
INSTALLATION TIME

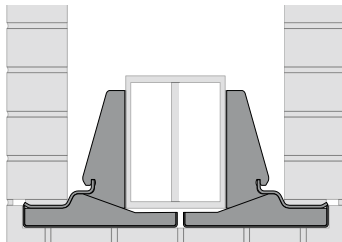
- ✓ **Drill**
- ✓ **Fix**
- ✓ **Fit**

**TIME SAVING ON-SITE**

IGs Brick Slip Masonry Support Systems offer 90% time saving on-site. While other systems for suspending brick from the underside of masonry support require bricks to be predrilled and hung from rods or heavy precast suspended units to be bolted in place, IG's brick slip systems are installed in exactly the same way as a normal masonry support system negating the need for any additional skilled labour.



**Patented Brick Slip System**

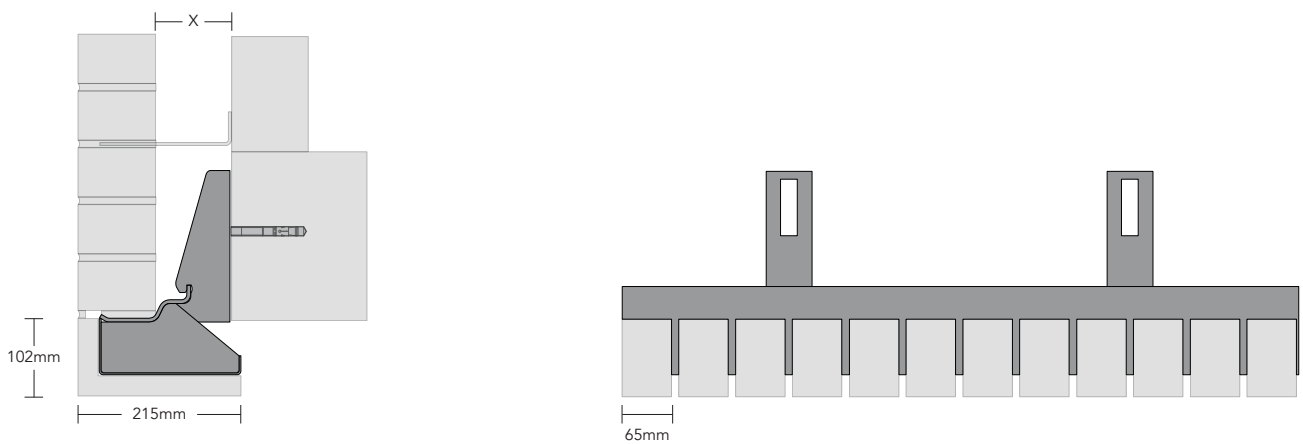


## IG BRICK SLIP MASONRY SUPPORTS

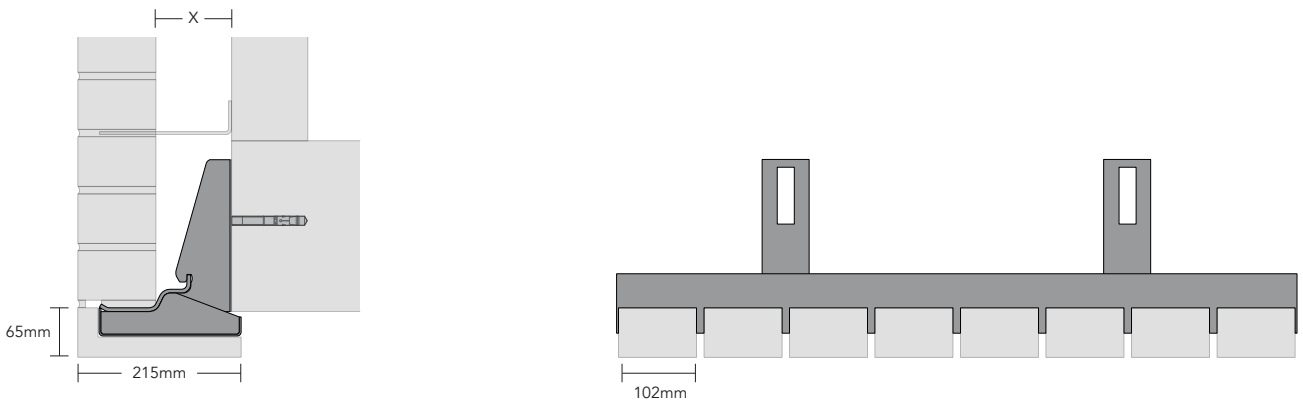
### Design variations

IG's brick slip masonry support products can accommodate a large range of bond patterns. Some examples of these bond patterns are displayed below. Non standard brick dimensions can also be accommodated.

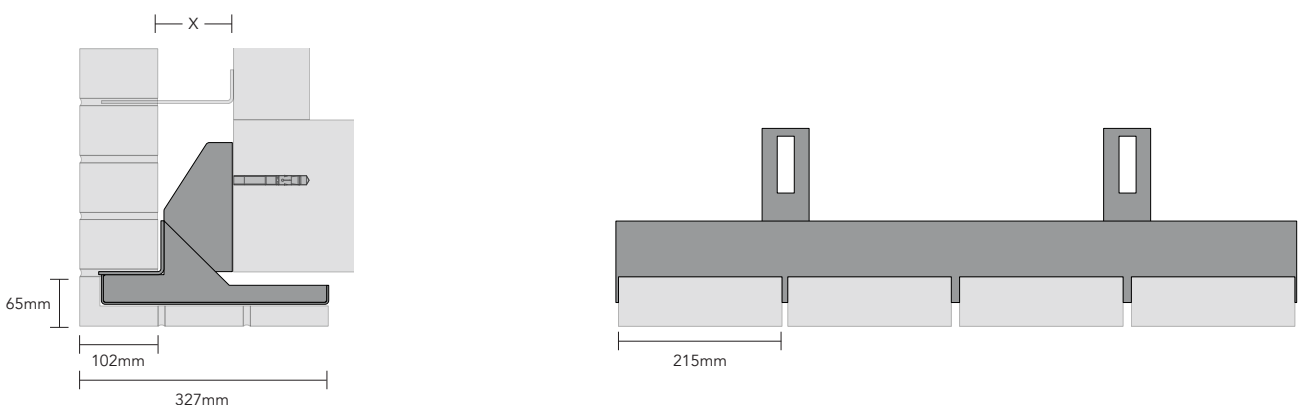
#### Rowlock 102-215



#### Header 65-215

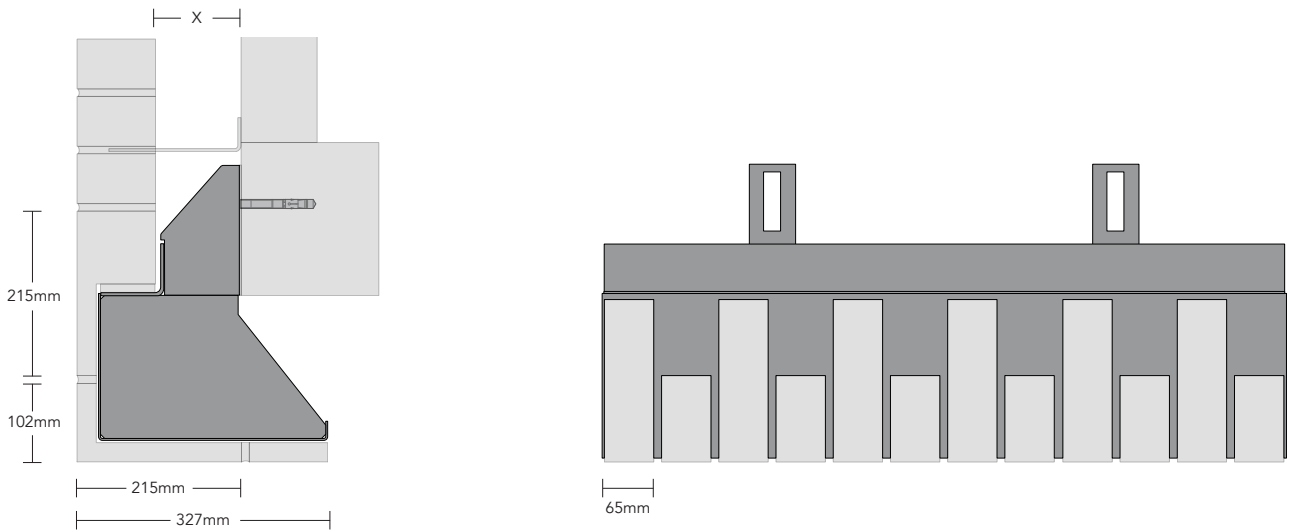


#### Stretcher 65-327



"X" denotes cavity width. IG Brick Slip Masonry Support can accommodate a range of different cavity widths.

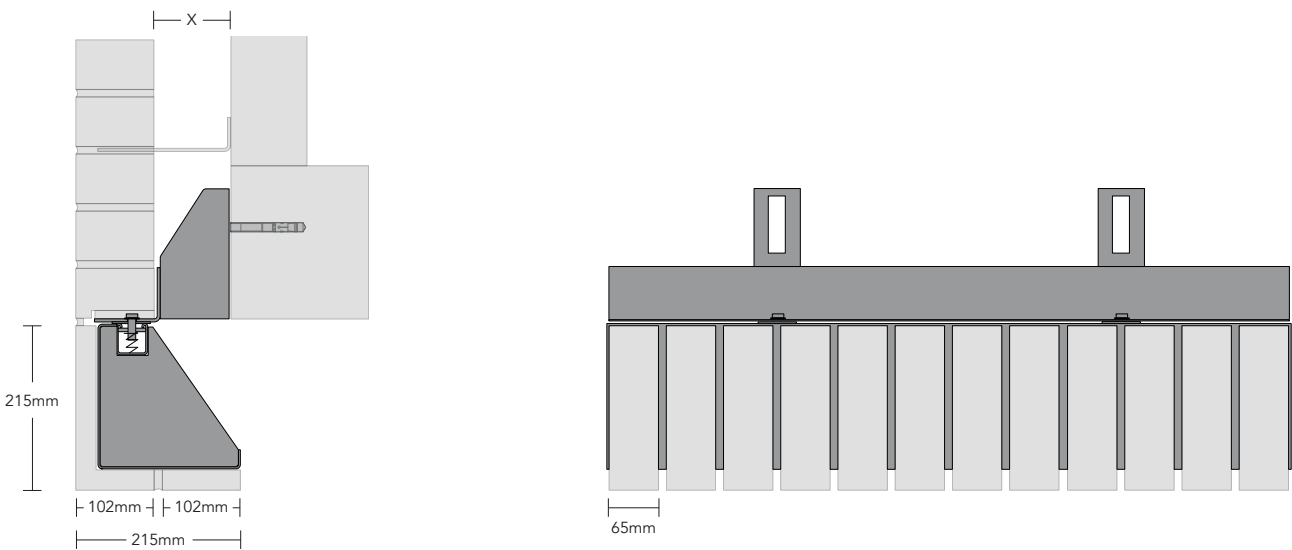
**Half Lap Bond 215-327**



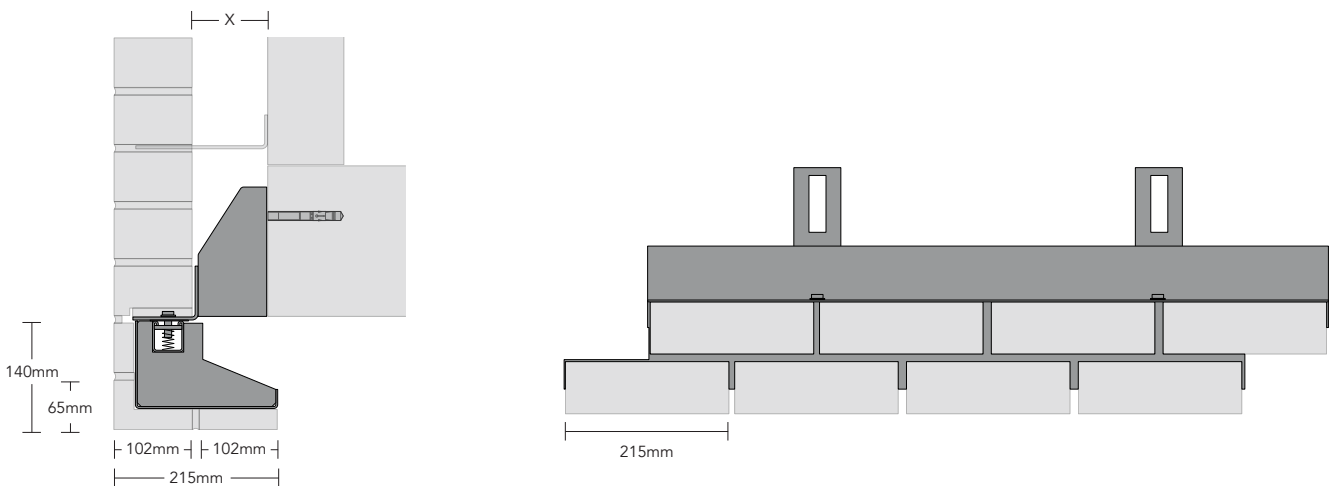
**Bolt ups**

Bolt up systems are a prefabricated brick slip unit which can be fixed to pre-installed masonry support systems.

**Soldier Bolt up 215-215**



**Stretcher Bolt up 140-215**



"X" denotes cavity width. IG Brick Slip Masonry Support can accommodate a range of different cavity widths.

# IG BRICK SLIP SOFFIT PANEL

Brick Slip Soffit Panels offer architects a unique solution to achieving deep brick soffit designs.

Suitable for  
**Deep soffits**

Please contact IG for  
full technical support

**SUPPORT HOTLINE**  
**01283 200 157**



IG's Brick Soffit Panels are prefabricated units manufactured off-site and delivered complete with bricks bonded to them

IG's Brick Slip Soffit Panels are lightweight pre fabricated brick slip cladding systems which enable designers and specifiers to achieve a deeper soffit which blends seamlessly with already constructed brickwork.

Produced off-site, this innovative system enables masonry to be assembled with speed and efficiency without the need for specialist trades.

The interlocking panel system is quick and easy to install and eliminates the need for any brick cutting or bonding of brick slips on-site.

The individual interlinking panels are fixed to the timber substructure with screws. The stainless steel screws are fixed within the mortar joints and hidden once pointed.

## KEY BENEFITS

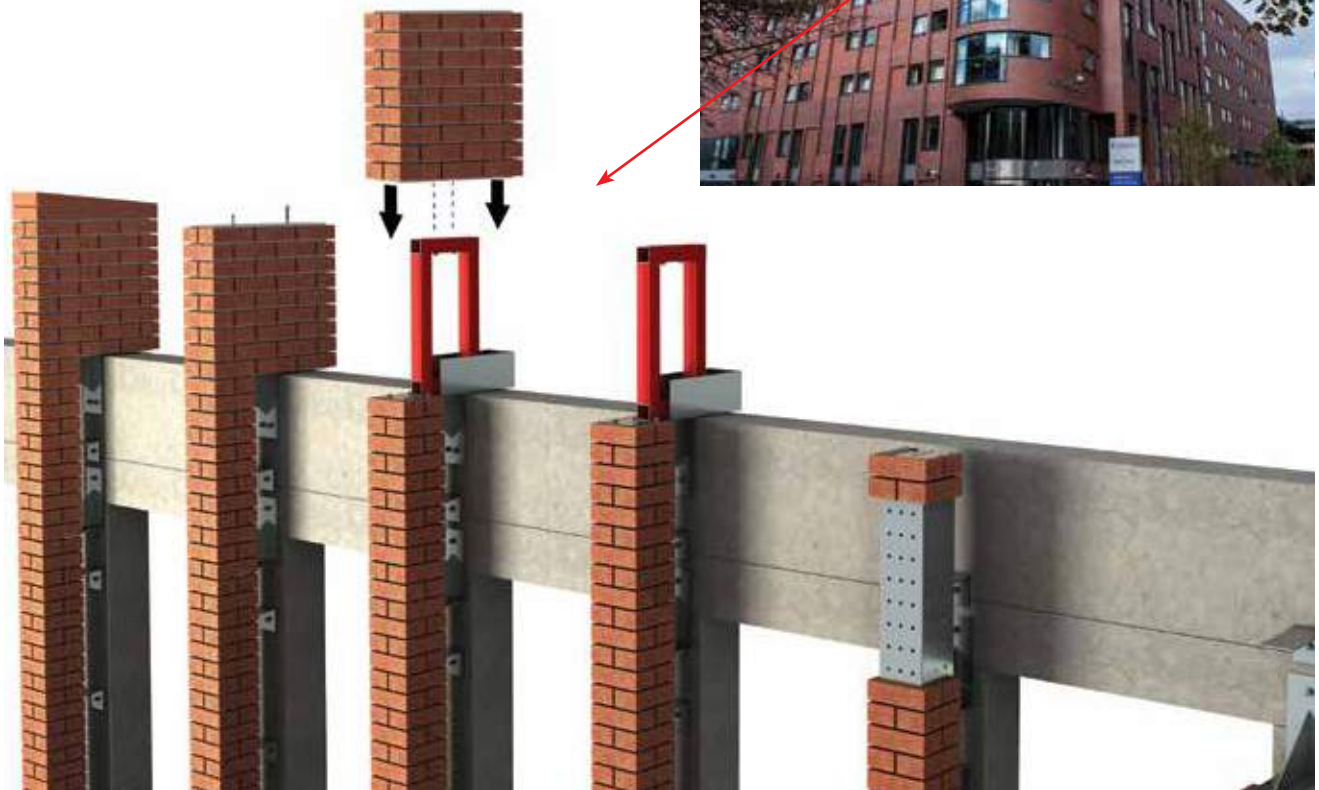
- Achieve deep brick soffit detail
- Faster and easier installation than traditional masonry construction
- Lightweight
- No shuttering required
- Reduced labour – no brick fixings required on-site
- Blends seamlessly with already constructed brickwork
- Various bond patterns can be achieved





## Bespoke Brick Slip Solutions

IG designed and produced a totally bespoke solution for this complex brickwork project on new student accommodation at Liverpool University.



## Brick Slip Panel Solutions

IG's bespoke components use our patented adhesion system and are delivered to site as a complete bricked unit ready for installation and final pointing.



**Step 1** The brick slip panel is positioned, fixed and built into the outer skin.

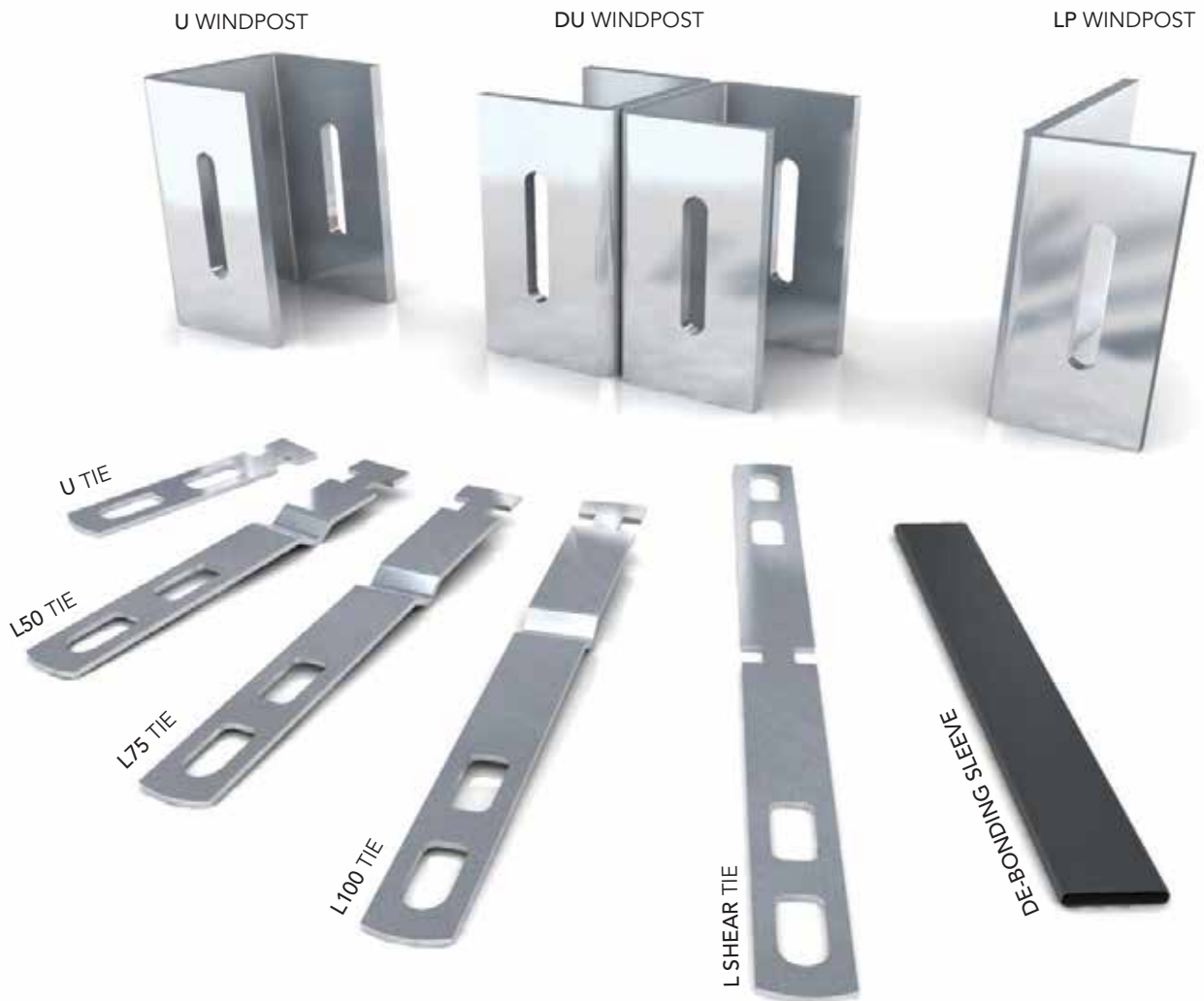


**Step 2** The brick slips are pointed to ensure a seamless appearance.

If you require bespoke brick slip solutions please contact  
**SUPPORT HOTLINE 01283 200 157**

# Windposts

IG continually set the standard in windpost design, with a nationwide team of experienced engineers at your disposal, we continue to set ourselves apart from the rest.



## WINDPOSTS

IG manufacture three types of windpost.

### U Windpost

The U windpost is a channel section designed for standard loading conditions and is installed within the cavity.

### DU Windpost

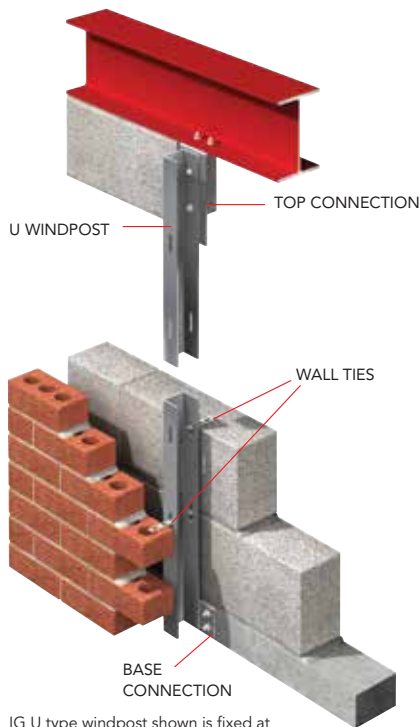
The DU windpost is a “back to back” channel section designed for heavier loading conditions and is installed within the cavity.

### LP Windpost

The LP Windpost is an “L” shaped section designed to suit a range of loading conditions and is built into the inner skin of the cavity wall.

### Material Specification

IG Windposts are manufactured from grade 304 stainless steel. The IG Technical Team will provide full product specification and schedules.



IG U type windpost shown is fixed at the base to concrete and at the top to the underside of a steel beam.

### Windpost Connections & Wall Ties

All IG Windposts are supplied with specifically designed base and top connections. They are also supplied with a suitable number of wall-ties which will vary in relation to the post type used and the cavity width. There are five types of wall ties available.

U Tie	For use with U & DU Windposts.
L50	Tie – For use with LP Windposts (50mm cavity).
L75 Tie	For use with LP Windposts (75mm cavity).
L100 Tie	For use with LP Windposts (100mm cavity).
L Shear Tie	For use with LP Windposts.

Note: L Shear Tie can be supplied with a de-bonding sleeve if the windpost is positioned at a vertical movement joint.



## U WINDPOST



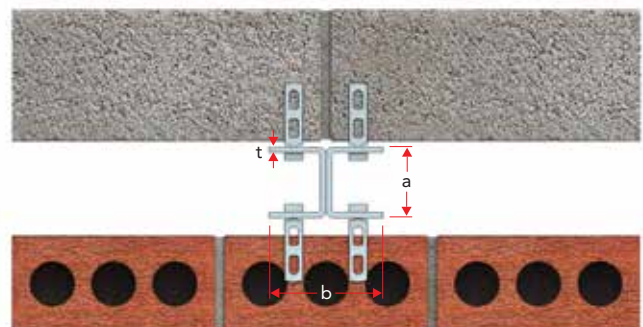
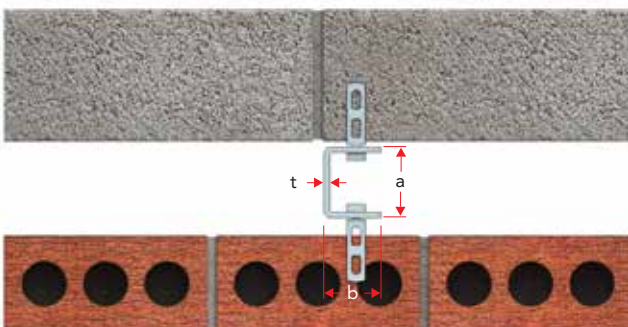
- The U Windpost fits within the cavity and normally spans between floor structures.
- The inner leaf of the cavity wall is totally undisturbed.
- Available in shorter lengths for parapets or below windows (see Parapet & Spandrel Windposts section).
- See loading tables on page 34.

## DU WINDPOST



- The DU Windpost fits within the cavity and normally spans between floor structures.
- The inner leaf of the cavity wall is totally undisturbed.
- The DU Windpost is a heavier duty variant of the U Windpost.
- Available in shorter lengths for parapets or below windows (see Parapet & Spandrel Windposts section).
- See loading tables on page 34.

## U WINDPOST AND TIES

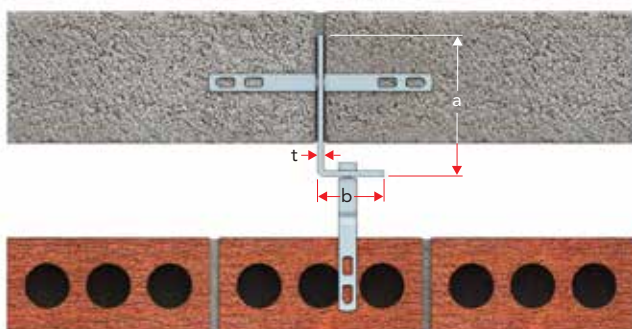


LP WINDPOST



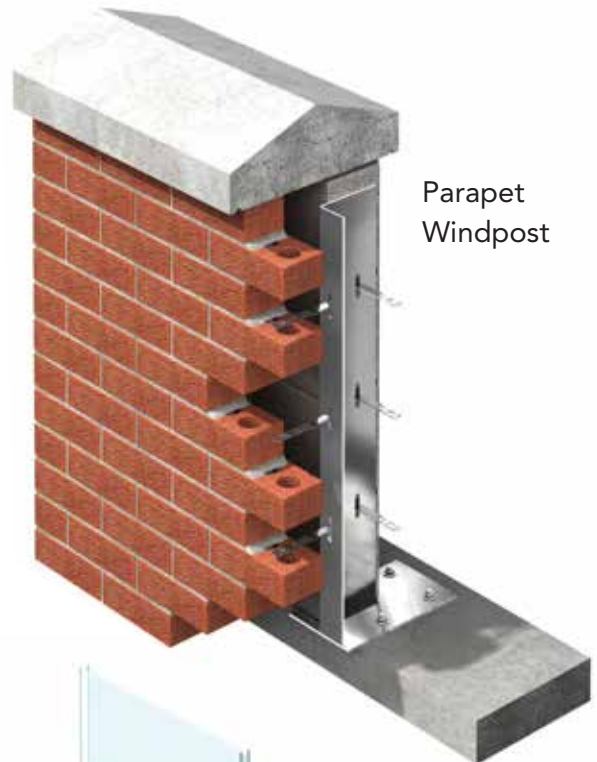
- The LP Windpost is designed to be built into the inner skin of the cavity wall and will normally span between floor structures.
- The LP Windpost is designed to suit a range of loading conditions
- Available in shorter lengths for parapets or below windows (see Parapet & Spandrel Windposts section).
- See loading tables on page 34.

LP WINDPOST AND TIES



PARAPET & SPANDREL WINDPOST

All three windposts designs are available in shorter length to provide the same level of stability to parapets or below windows, commonly termed parapets or spandrel windposts respectively. These posts are designed as cantilevers and are rarely more than 1.6 metres in height. The base connection is engineered to resist bending moment.



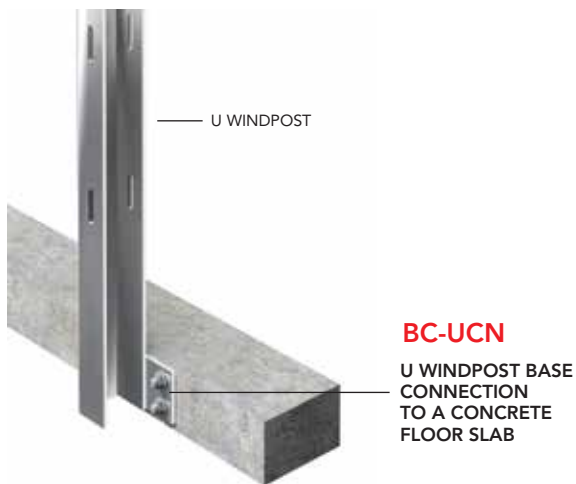
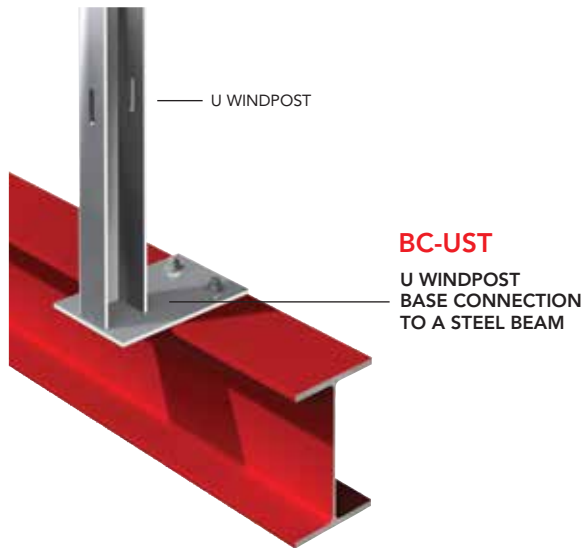
Parapet Windpost



Spandrel Windpost

**IG WINDPOST CONNECTIONS**

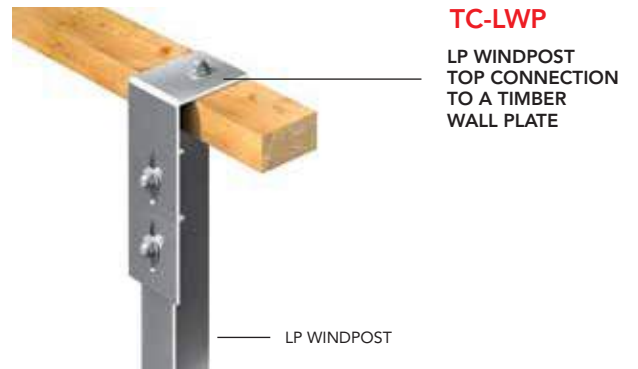
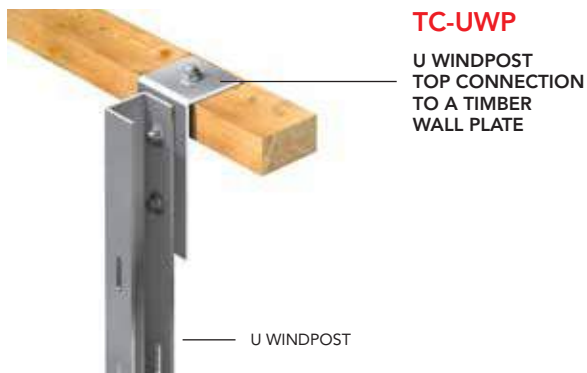
All IG windposts are designed with top and base plate connections for fixing to the super structure of the building. It is important that windposts are fully fixed before commencement of the brickwork.

**TYPICAL BASE CONNECTIONS**

These connector examples are just a few of the possible configurations, please contact our technical department for assistance with your exact requirements.

## TYPICAL TOP CONNECTIONS

Please note: The top connection allows for shrinkage or vertical movement of the frame.



These connector examples are just a few of the possible configurations, please contact our technical department for assistance with your exact requirements.





# Design Data Sheet

To enable us to provide you with an accurate and cost effective solution, please complete all sections.  
submit to IG Technical Department on **fax 01633 486495** or email **drawings@iglintels.com**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Tel: \_\_\_\_\_ Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Job Ref: \_\_\_\_\_

<b>1</b>	<b>Cavity Wall Construction</b>	Outer Leaf	mm	Cavity Width	mm	Inner Leaf	mm
<b>2</b>	<b>Windpost Type</b>	<input type="checkbox"/> <b>U</b> WINDPOST <input type="checkbox"/> <b>DU</b> WINDPOST <input type="checkbox"/> <b>LP</b> WINDPOST					

<b>3</b>	<b>Windpost Dimensions</b>	Length (a):	mm	Breadth (b):	mm	Thickness (t):	mm
----------	----------------------------	-------------	----	--------------	----	----------------	----

<b>4</b>	<b>Quantity Required</b>	Windposts
----------	--------------------------	-----------

<b>5</b>	<b>Top Connection</b>	Tick type required
----------	-----------------------	--------------------

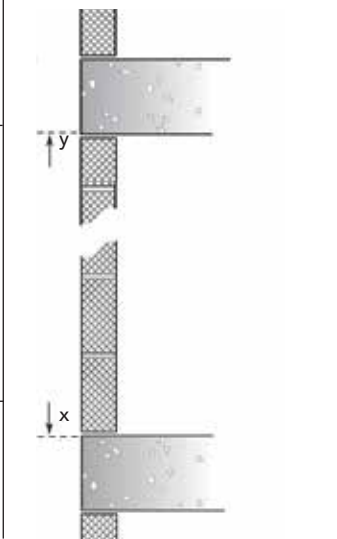
<input type="checkbox"/> Steel Beam	<input type="checkbox"/> Concrete	<input type="checkbox"/> Intermediate Timber Floor	<input type="checkbox"/> Timber Wall Plate
Off-set distance			Dimensions of wall plate
Beam Size eg: 203 x 133 x 30 UB x x			w = mm
			d = mm
			o = mm

<b>6</b>	<b>Base Connection</b>	Tick type required
----------	------------------------	--------------------

<input type="checkbox"/> Steel Beam	<input type="checkbox"/> Concrete	<input type="checkbox"/> Intermediate Timber Floor
Off-set distance		
Beam Size eg: 203 x 133 x 30 UB x x		

<b>7</b>	<b>Structural Opening</b>
----------	---------------------------

Distance between structural elements  
x ↔ y = mm



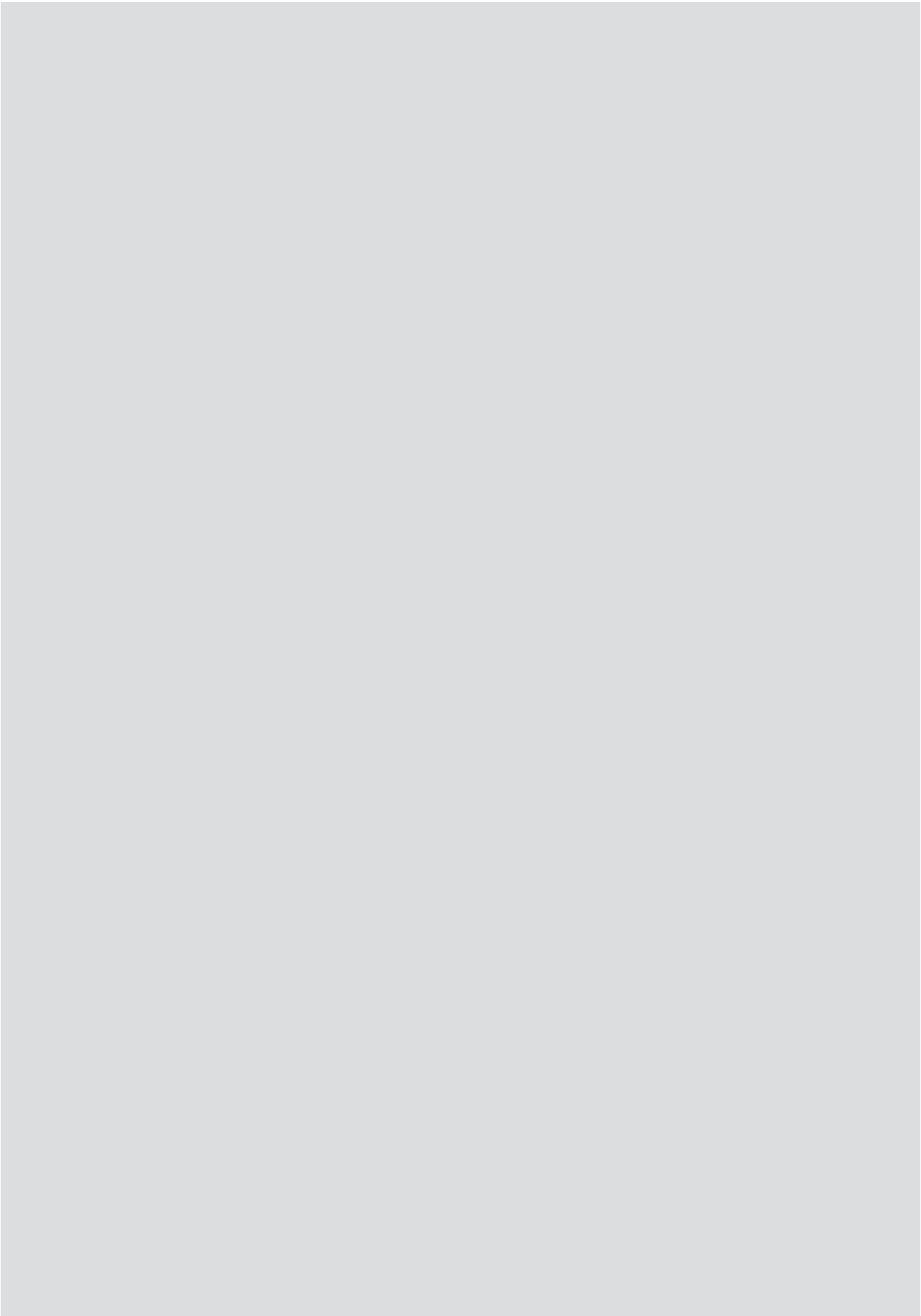
<b>8</b>	<b>Distance to first tie slot</b>
----------	-----------------------------------

Distance from base to first bed joint of inner leaf

i ↔ j = mm

This form may be downloaded from [iglintels.com/support](http://iglintels.com/support) or alternatively please photocopy this template and fax back to **01633 486495**

Please forward any relevant architects or structural engineers drawings to aid us in the preparation of your quotation.

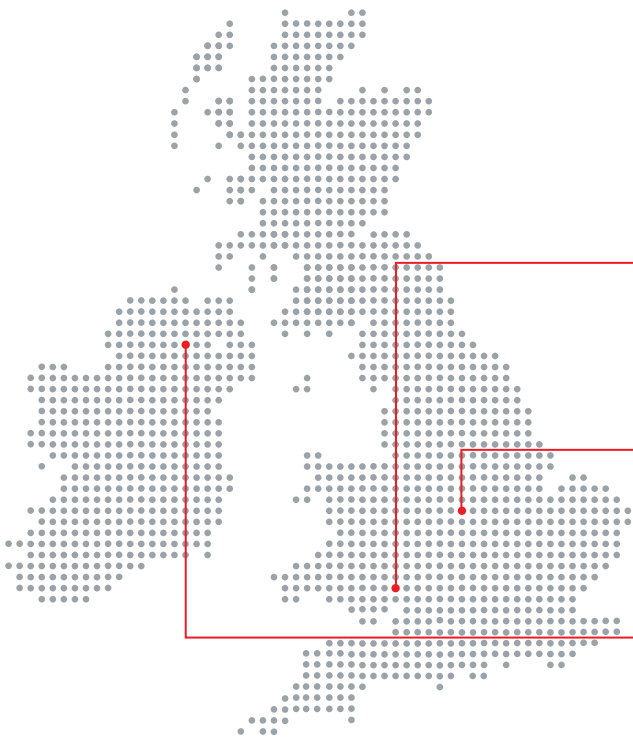




## MASONRY SUPPORT HOTLINE

# 01283 200 157

Email: [support@igmss.co.uk](mailto:support@igmss.co.uk)



### IG - CWMBRAN

Avondale Road, Cwmbran,  
Gwent, NP44 1XY  
T: +44 (0) 1633 486 486  
F: +44 (0) 1633 486 465



### IG - SWADLINCOTE

Ryder Close, Cadley Hill Industrial Estate  
Swadlincote, South Derbyshire DE11 9EU  
T: +44 (0) 1283 200 150  
F: +44 (0) 1283 223 352



### IG - IRELAND

Ballyreagh Industrial Estate,  
Cookstown, Co. Tyrone BT80 9DG  
T: +44 (0) 28 86762 184  
F: +44 (0) 28 86761 011