Brick Slip Lintel Installation Guide
(Single leaf Lintel)

To achieve the design capacity of the system, the product must be installed in the correct manner.

SAFETY
While IG Brick Slip Lintels are easy to handle, components are produced from sheared plates and may have sharp edges. Care should be taken when handling masonry support components and suitable protective equipment should be worn at all times.

MATERIALS
Pre-galvanized Steel:
DX51D Z600 or Z275 MAC or NAC
BS EN 10346 : 2009
Powder Coated: 60 - 70µ Avg. RAL: 7031 Matt grey

Stainless Steel:
Grade 304 and/or 316

BRICK:
As specified by site

1. Lintels should be installed with a minimum end bearing of 150mm, bedded on mortar and levelled along its length and across its width. Extra heavy duty lintels will require a 200mm end bearing.

2. The masonry above the lintel should be built in accordance with BS EN 1996-2:2006

3. The NHBC recommend a damp proof course (DPC) or cavity tray should be installed over all openings in external cavity walls.

4. Masonry immediately above the lintel should be giving adequate time to cure before any further brickwork is built above it (temporary propping beneath a steel lintel is practiced to facilitate speed of construction).

5. Point loads should not be applied directly onto the lintel. Lintels should have a minimum of 150mm masonry between the flange and the application level of any form of point loading. Consult IG’s technical department if applying a point load above a lintel.

6. Do not cut lintels to length or modify them in any way without consulting an IG engineer.

BRICK SLIP DETAIL
IG Brick Slip Lintels are supplied with an additional brick per opening width. This allows the installer to adjust the location of the lintel to suit the existing bond pattern of the brick. (see image 1,2 &3)

POINTING OF IG BRICK SLIP LINTELS
Once the lintel installation is complete and the initial masonry load has been applied to the lintel, the brick slips must be pointed. Similar pointing mortar should be used to point IG Brick Slip Lintels as per the surrounding brickwork unless otherwise specified.

Brick “6” in image 2 & bricks 1 & 6 in image 3 must be pointed after installation rather than being fixed to the mortar bed.
PROPPING

Propping a lintel is sometimes practiced to facilitate speed of construction.

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 centers.

* Suitability of props is the responsibility of site management.

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WALL TIES

Stainless steel wall ties are crucial to the performance of all lintels. Wall ties should be positioned at a maximum horizontal spacing of 450mm and should be placed within 300mm above the lintel.

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 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.

The maximum height of masonry constructed each day above this rigid structure should not exceed 1500mm giving 1-2 days curing time before any future building.

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 FRAGILE GOODS

IG Brick Slip Lintels are classified as fragile goods and should be stored on protective foam on top of pallets and on flat ground and cordoned off so that they are made clearly visible. IG recommends that they are stored one bundle high only, unless adequate measures are taken to ensure that the stack will remain stable and brickwork is not damaged on delivery. The banding straps are taut and care should be taken when cutting these to avoid personal injury and/or the bundle collapsing. It is the manufacturer’s recommendation that the goods stored on site should be covered. Cover should only be removed prior to installation.

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 Masonry Support Systems are fabricated from galvanised or stainless steel and pose no toxicity 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.
(BSMS) Brick Slip Masonry Support

- Bolt
- Lock washer
- Nut
- Bracket
- Shim
Brick Slip Lintel  SL/K with box
SL/K Brick Slip Lintel