



Real Brick Pre-Fabricated Arches

Banbury offer both a standard range, with short lead times and a completely bespoke service with our in-house CAD service available to clients.

Real Brick Pre-fabricated Arches

Brick arches have been used since the dawn of construction, many examples of arches from the Roman period remain looking as good today as when they were first built. Brick arches are a quick and easy way to enhance the appearance of any building. All brick arches are manufactured off site to ensure factory made quality standards. Arch types are available either load bearing with an integral load bearing element or non-load bearing that require a supporting lintel.

PRE - FABRICATED ARCHES HAVE MANY ADVANTAGES & BENEFITS INCLUDING:

- Brick slips are precision cut on the most up to date CNC machines to ensure every arch is perfect.
- Manufactured in any brick type and can be collected from site to guarantee a perfect colour match.
- Arches are quick and easy to install and can be supplied with lifting eyes on structural concrete backed arches.
- Our light weight, non-structural arches are often a one man lift.
- Economical to use and cost saving compared to building arches on site.
- Delivered in individual plot pallets, clearly labelled if required.
- Faced on soffit brick arches available on request.
- Restoration arches available for historic building or new build in a traditional style.

Bespoke Arches

We provide a full design service using the latest CAD technology to communicate design solutions to suit your requirements.



Bespoke arches can be designed using various materials such as stone, brick and tiles on various structural or non-structural backing with optional pre-pointed mortar joints. If you require an arch design different from the listed standard products, we will be happy to design and prefabricate the arch to your specifications with detailed production drawings for your approval.



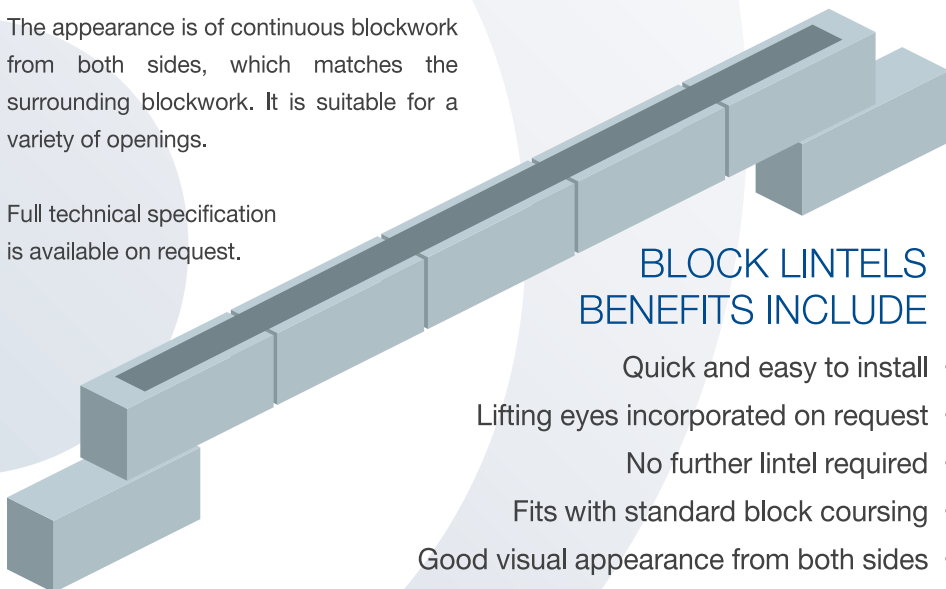
Block Lintels

We also offer an innovative option to those construction companies using paint grade/fair faced blockwork in commercial developments for creating a clear opening in blockwork. A quick, simple and easy to install block lintel giving a pleasing clean appearance in blockwork for contracts that call for an untreated block finish, such as schools, hospitals, prison, stadia etc.

The block lintel is a self supporting lintel made from concrete blocks with a groove cut along the length of the block which is filled with high strength concrete and appropriate reinforcing bar.

The appearance is of continuous blockwork from both sides, which matches the surrounding blockwork. It is suitable for a variety of openings.

Full technical specification is available on request.



BLOCK LINTELS BENEFITS INCLUDE

- Quick and easy to install
- Lifting eyes incorporated on request
- No further lintel required
- Fits with standard block coursing
- Good visual appearance from both sides



Flat Gauge Arch

A typical flat arch suitable for all kinds of openings. Flat gauge arches usually have a Brick and Bat pattern and between 3 to 5 courses high.



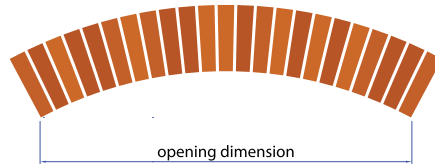
Semi-Raised Flat Gauge

Like the Flat Gauge arch, but with an arched rise along the bottom edge, whilst the top of the arch remains flat. These arches also have the option for the rise to be solid with an infill panel.



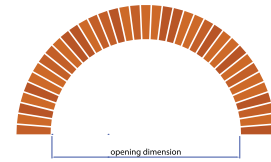
Developer Arch

These are a cost effective way of adding arches to any building. Unlike most arches, the voussoirs are cut with parallel and equal widths in a Brick and Bat pattern.



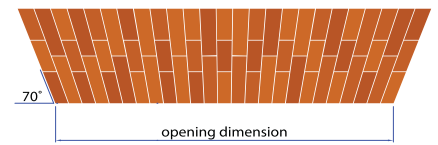
Segmental Arch

Segmental arches are made up of a number of identically and slightly angled bricks which form the shape of the arch when assembled. These arches typically have a rise of 75 or 150mm (1 or 2 courses).



Semi Circular Arch

Like Segmental arches each brick is the same, but the shape is continued round to form a semi-circle. These provide the option for a large Infill area. Without an Infill, the arch has the option to have a faced soffit instead.



Restoration Arch

Restoration arches are often used in the restoration of old houses, where an original arch is being replaced or a new arch is required to match the existing arches in the area. These are typically 290 to 365mm high Brick and Bat pattern, with finely pointed 3mm joints.

STRUCTURAL BACKING

Steel Reinforced Concrete

High strength concrete is reinforced with steel re-bar as necessary providing a structural backing for most arch types. Stainless steel locating brackets are included at the ends of flat gauge arches to aid installation. Removable lifting eyes can be cast into these lintels if required.

Steel Reinforced Concrete backing is available for all arch types and can be made to any size & shape

Options:

- Non-Faced Soffit
- Lifting Eyes, Faced



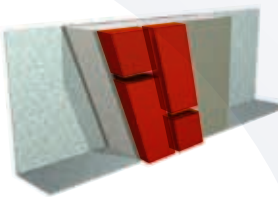
Steel Reinforced Panelite

Panelite board is reinforced with 3mm galvanised sheet steel. This option provides a lighter alternative to concrete lintels. The steel ends of the arch also make installation quick and easy.

Steel Reinforced Panelite is only available for flat bottomed arches. Segmental and semi-circular arches can use reinforced Panelite only when used with an infill panel.

Options:

- Faced or Non-Faced Soffit



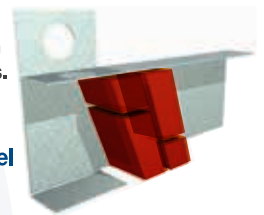
Structural Steel

Structural steel lintels are prefabricated to your specifications and are available in many shapes and forms. Available in galvanised steel as standard or a stainless steel option. The steel lintel comes with end supports and lifting points to provide easy installation. Full bricks are used which provides a faced soffit.

Structural steel lintels are available for all arch types, sizes and shapes.

Options:

- Stainless Steel Lintel



NON-STRUCTURAL BACKING

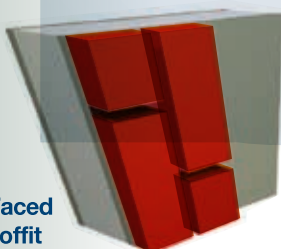
Panelite

Panelite is a lightweight panel system comprising of a polyurethane foam core between two 10mm magnesium particle boards with brick slips making 100mm overall. Panelite provides a lightweight solution for quick installation without the need for lifting equipment.

Panelite is available for all types of arches.

Options:

- Lifting Eyes, Faced
- Non-Faced Soffit



Blocklite

Blocklite backing is made from lightweight blocks bonded linearly with scrim reinforcing the joints. This method provides a lightweight solution for quick installation without the need for lifting equipment.

Blocklite is only available for flat arches.



Loose Cut

Arch bricks can be supplied without being prefabricated to any backing for a traditional built arch. Factory controlled cutting provides the builder with perfectly cut bricks to ensure a quality built arch.

Loose cut bricks are available for all arch types.



Brick and Bat Pattern

215mm, 290mm, 365mm High

Brick and Bat pattern standard heights are:

- 215mm (3 courses)
- 290mm (4 courses)
- 365mm (5 courses)



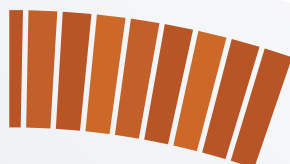
These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match. Other heights and joint widths can be made on request.

Soldier Pattern

215mm High

The Soldier arch is made up of full length bricks.

It is therefore only available at 215mm high.



These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.

Single Header Pattern

102mm High

The Single Header arch is made up of half bricks. It is therefore only available at 102mm high. These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.

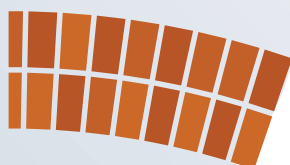


Double Header Pattern

215mm High

The Double Header arch is made up of two half bricks to create a full height brick pattern.

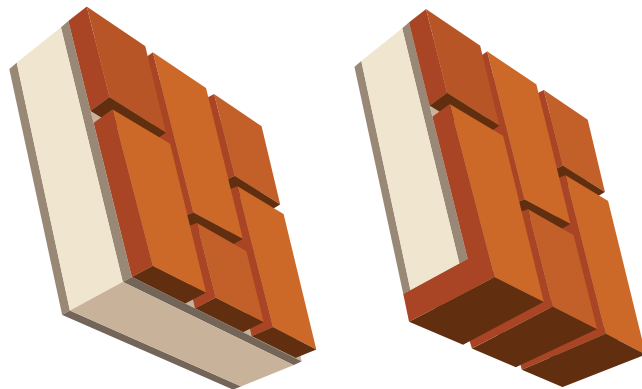
It is therefore only available at 215mm high. These are supplied with 10mm joints as standard, ready to be pointed on site to ensure a perfect mortar match.



Soffit Options

The underside of the arch (the soffit) can be supplied with or without facing brick.

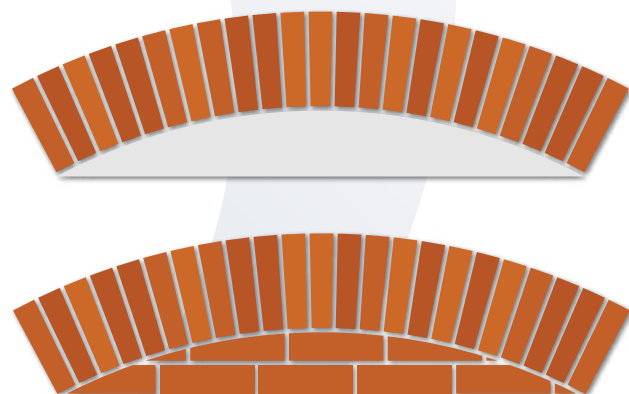
This is used in situations where the window is recessed and the underside of the arch is revealed. The faced soffit is a quick and easy solution for finishing.



Infill Options

Infill panel options are available for raised arches that require the space between the window or door frame to be filled.

- PVC plastic (recommended for PVC window and door frames). White PVC standard colour. Please specify the colour required if different.
- Painted infill (to your colour requirements).
- Prepared for Render (using thermalite block slips and beading, delivered ready for rendering on site).
- Brick infill (brick slips are bonded to the backing panel). This can be carried out in the same or alternative brick as the arch feature (please specify as required).



Options and Extras

* Requires an infill panel

** Not available with infill panel

*** Available for reinforced concrete and steel products only.

	Flat Gauge Arch	Semi-Raised Flat Gauge	Developer Arch	Segmental Arch	Semi Circular Arch	Restoration Arch
Structural Backing						
Steel Reinforced Panelite	✓	*	✓	*	✗	✓
Steel Reinforced Concrete	✓	✓	✓	✓	✓	✓
Structural Steel	✓	✓	✓	✓	✓	✓
Non-Structural Backing						
Panelite	✓	✓	✓	✓	✓	✓
Blocklite	✓	✓	✓	✗	✗	✗
Loose Cut	✓	✓	✓	✓	✓	✗
Height & Pattern						
Brick & Bat 215 High	✓	✓	✓	✓	✓	✓
Brick & Bat 290 High	✓	✓	✓	✓	✓	✓
Brick & Bat 365 High	✓	✓	✓	✓	✓	✓
Soldier 215 High	✗	✗	✗	✓	✓	✗
Single Header 102 High	✗	✗	✗	✓	✓	✗
Double Header 215 High	✗	✗	✗	✓	✓	✗
Soldier Header 290 High	✗	✗	✗	✓	✓	✗
Soffit Options						
Non-Faced Soffit	✓	✓	✓	✓	✓	✓
Faced Soffit	✓	**	✓	**	**	✓
Infill Panels						
Plastic	✗	✓	✗	✓	✓	✗
Brick	✗	✓	✗	✓	✓	✗
Painted	✗	✓	✗	✓	✓	✗
Render Prepared	✗	✓	✗	✓	✓	✗
Lifting Options						
Lifting Eyes	***	***	***	***	***	***



**Contact us now for more information or
to order a sample of one of our products**

Banbury Innovations (Southern) Ltd • Trading as Banbury

Unit 16 • Oakwood Road • Oak Tree Business Park • Mansfield • Nottinghamshire • NG18 3HQ

Tel: 0845 688 8835 • Fax: 0845 688 8845

Email: sales@banburyinnovations.co.uk • Web: www.banburyinnovations.co.uk

VAT number 883 2634 05 • Registered in England and Wales 6880545 • Registered Office 2 Sands Lane, Bratton, Wiltshire, BA13 4TL