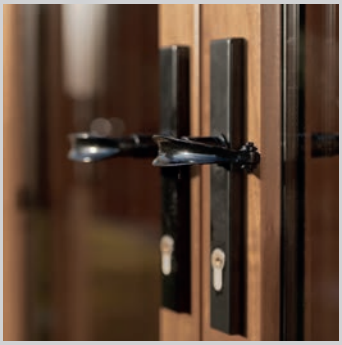
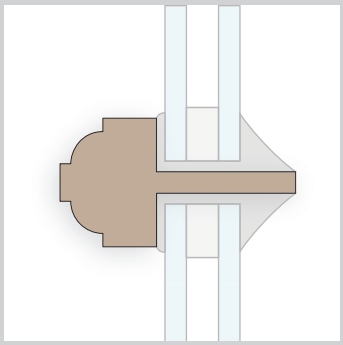
GEORGE
BARNSDALE
Est. 1884





Technical Specifications

Innovative Solutions are in our DNA

Since 1884 we have been leading research into timber windows and doors – refining and re-engineering our products to be the best on the market today. With a range of customisation options for both traditional and contemporary homes, we can help you meet the precise requirements of your project. If you have a listed building, we can create solutions that deliver exceptional performance whilst maintaining the integrity of the original building. If you have a brand new property but want to achieve a traditional aesthetic you have an even wider range of options including triple glazing and bottom hung bi-fold doors ideal for timber framed buildings. This specifications guide is designed to help you choose the right design, layout, hardware and profiles for your project.

4-5 Glazing options

6-11 Window furniture collections

12-13 Window configurations

14-15 Window frame, glazing bead & sash bar options

16-20 Door furniture collections

21-25 Door configurations

Traditional glazing bead & sash bar options

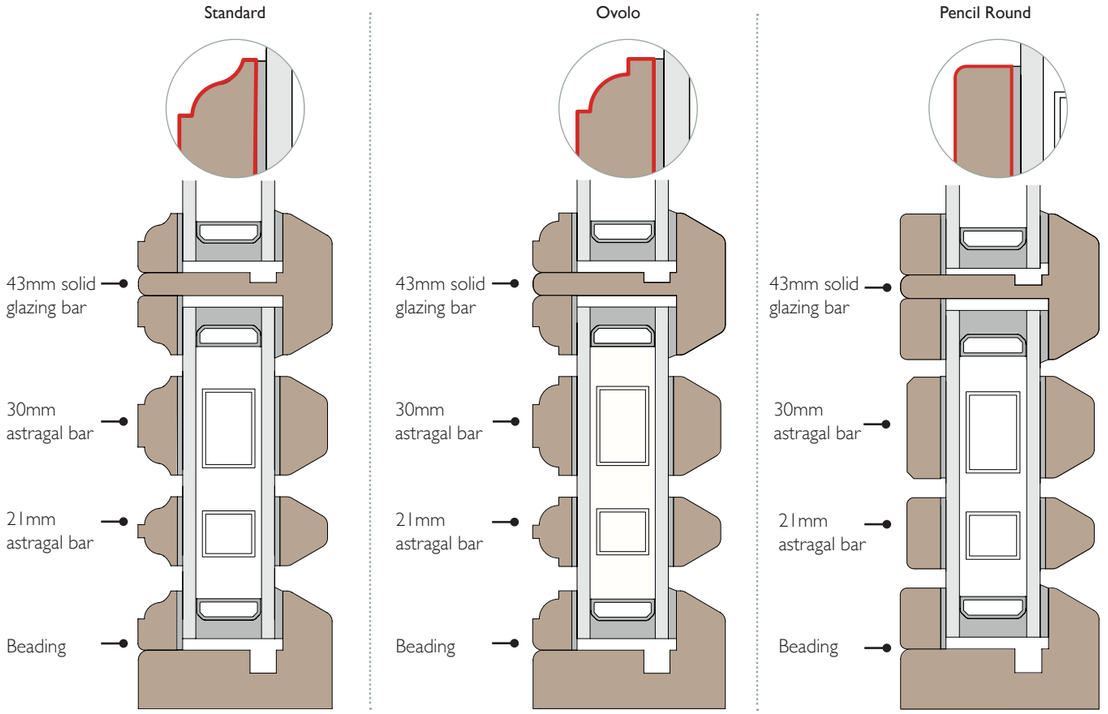
For all of our designs, the following options will need to be specified. Please note, matching sash bead and astragal bar profiles are available.

Beading

In the traditional style, all window sashes are internally beaded to enhance performance and longevity. You can choose from three designs: standard, ovolo and pencil round

Glazing bars

If specified, astragal bars are matched with the outside sash profile and internal glazing bead. For aesthetics, where astragal bars are specified, glazing units are supplied with inter-bars as standard.

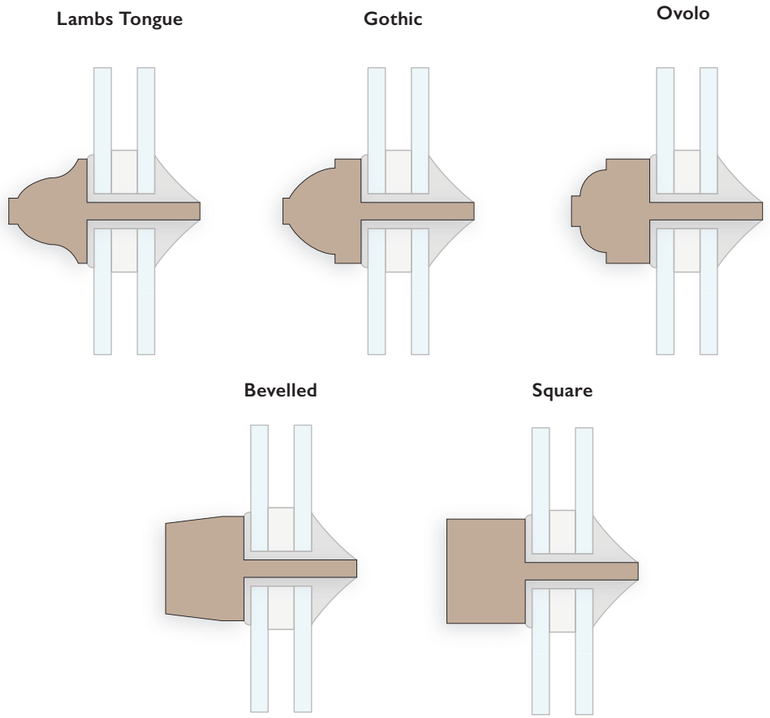


Historic sash profiles & glazing bar options

Our externally glazed system has a range of sash profiles and glazing bars, allowing for an accurate match with existing designs.

We have a wide range of sash profiles that allow us to match almost any original glazing system, as shown below. Our standard range uses a 44mm sash, but we have a variety of thicknesses available to suit specific requirements.

The glazing bars are matched with the outside sash profile. A solid glazing bar measures 21mm for single glazing and 24mm for narrow cavity insulated glazing.



Window Furniture Collections

The look and feel of any window is influenced by the choice of furniture. In the creation of our window furniture collections we have focussed upon the key elements of aesthetics, quality, security and performance.

The Original Collection

The Original Collection features our standard window handles. With simple, ergonomic design and push button locking, the handles are available in a range of colours, allowing seamless integration with a range of buildings and styles.

Original Handle

Suitable for casement and pivot windows.

Polished Brass

Tilt & Turn Handle

A variation of our original handle for Tilt & Turn windows, allowing the operation of both the tilt and turn positions.

Pivot Handle

Available in White, Brown and Silver

Other Finish Options:

Polished Chrome

Satin Chrome

White

Black

The Classic Collection

Elegant in appearance with a high quality finish, the Classic Collection has an understated beauty that suits any style of property.

Ball End Handle

Suitable for casement and pivot windows.

Casement Stay

All of the above images are shown in Polished Brass.

Other Finish Options:

Polished Chrome

Satin Chrome

Also now available in:

Pewter

Bronze

Antique Brass

The Foundry Collection

Offering antique wrought iron handles and casement stays, the Foundry Collection has been designed to provide a rustic appearance that makes it ideally suited to traditional cottages and farmhouses.

Pear Drop Handle

Monkey Tail Handle

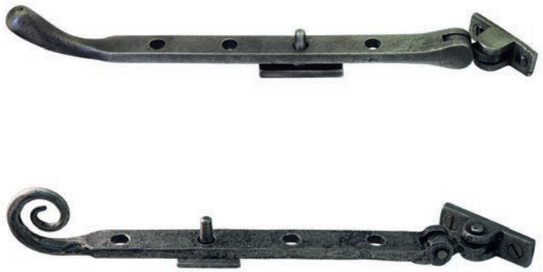
Suitable for casement and pivot windows.

Pear Drop Casement Stay

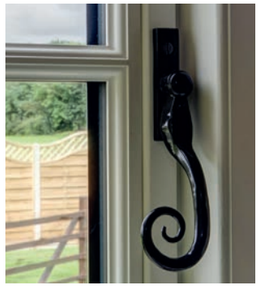
Monkey Tail Casement Stay

All of the above images are shown in Black.

Other Finish Options:



Pewter



The Modern Collection

Providing a sleek understated finish, the Modern Collection is machined from marine grade stainless steel and is our most contemporary offering.

Modern Handle

Tilt & Turn Handle

Suitable for casement, pivot and tilt & turn windows.

Casement Stay

All of the above images are shown in Brushed Stainless Steel.

The Sash Collection

For our sliding sash windows we have an elegant furniture collection that provides simple, effortless operation and high security. The design and finish options allow a perfect match with all of our furniture collections.

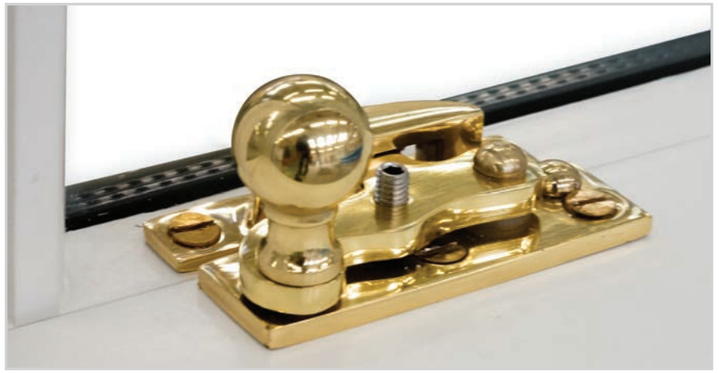
Sash Stop

Sash Eye

Sash Pulley

Sash Pull

Sash Fastener



All of the above images are shown in Polished Brass.

Other Finish Options:

Polished Chrome

Satin Chrome

Satin Nickel

Antique Brass

Pewter

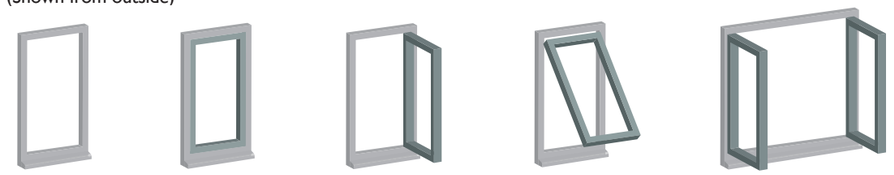
Bronze

Window Configurations

To meet the requirements of your project, for each window design we offer a number of opening and layout options. However, if your project demands alternatives we will work with you to develop new variations to meet the brief. Please note almost all curved or angled shapes are available.

Opening options

Casement
(Shown from outside)

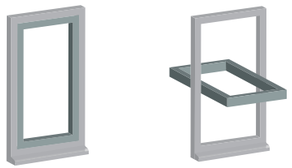


Direct Glazed | Fixed Sash | Side Hung | Top Hung | French/False Mullion*

Sliding Sash
(Shown from outside)

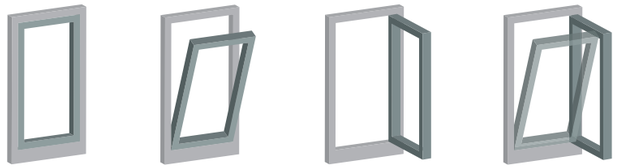
Fixed Sash | Sliding Sash | Tilting Sash

Pivot
(Shown from outside)



Fixed Sash | Horizontal

Tilt & Turn
(Shown from inside)

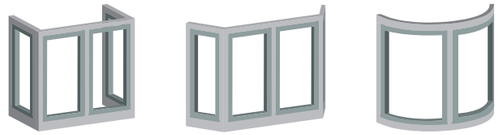


Fixed Sash | Tilt | Turn | Tilt & Turn

*The French option has the two sash rails meeting together, whereas the false mullion option has the frame mullion attached to the second sash to visually replicate a mullion when closed.

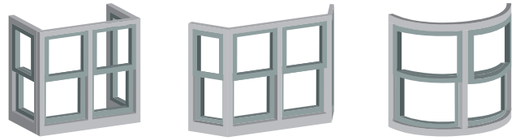
Bay & Bow layout options

Casement



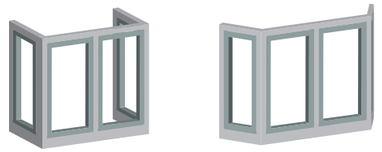
Square Bay | Angled Bay | Bow

Sliding Sash



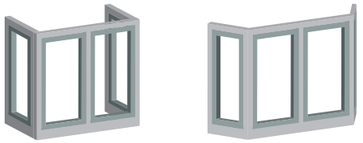
Square Bay | Angled Bay | Bow**

Tilt & Turn



Square Bay | Angled Bay

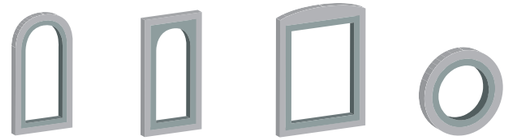
Pivot



Square Bay | Angled Bay

Round Work/Arches options

Casement



Arch Top | Internal Arch | Arch Fillet | Circular

Sliding Sash

Arch Top | Internal Arch | Arch Fillet

Tilt & Turn

Arch Top | Arch Fillet | Internal Arch

Pivot

Internal Arch | Arch Fillet | Circular

**The bow window configuration is not available for the tilting spiral balance sliding sash design.

Window Frame, Glazing Bead & Sash Bar Options

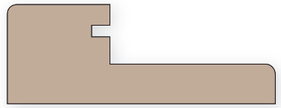
Casement windows

Please note, matching sash bead and astragal bar profiles are available.

Internal frame profile

Standard

Ovolo

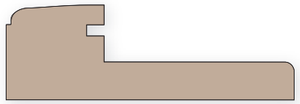


Pencil Round

Extended frame profile

Bevelled Extended

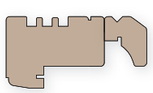
Ovolo Extended



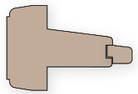
Pencil Round Extended

Drips

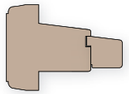
If your windows are fitted flush with the outside brickwork, we recommend that a head drip is fitted.



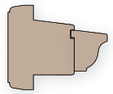
Head Drip



Transom Drip Type 1



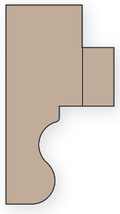
Transom Drip Type 2



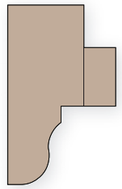
Transom Drip Type 3

Sliding sash windows

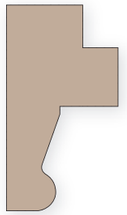
Applicable only to sliding sash windows, top and/or bottom sashes can be specified with traditional sash horns. We offer the following types, but if required we can match existing designs.



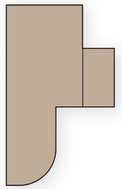
Type A



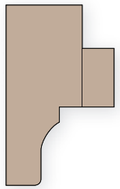
Type B



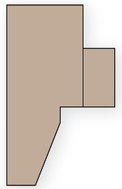
Type C



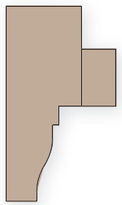
Type D



Type E



Type F



Type G

Door Furniture Collections

Our door furniture collections mirror those that we offer for our windows to ensure that you get a consistent finish across all products. The Original, Classic, Foundry and Modern Collections provide solutions for our entrance doors, French doors, single doors, stable doors and outward opening bifold doors. The Patio Collection offers specialist handles for sliding and tilt & sliding doors.

The Foundry Collection

Manufactured using traditional wrought iron methods, the Foundry Collection provides a rustic appearance that makes it ideally suited to cottages and farmhouses.

Knocker

Centre Knob

Cottage Handle

Avon Handle

Letter Plate

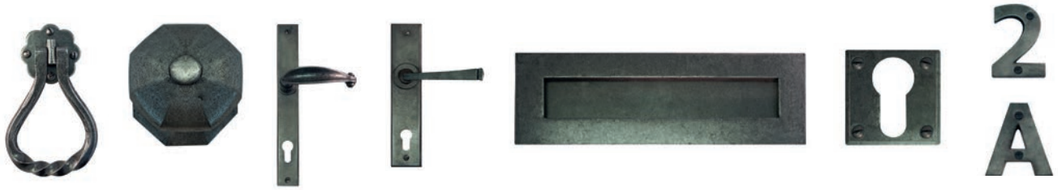
Escutcheon

Numerals & Letters

We offer the entire alphabet and all numerals.

All products shown above with a Black finish.

Other Finish Options:



Pewter

The Original Collection

This is our standard door furniture collection which has been designed to allow seamless integration with a range of buildings and styles.

Knocker

Knocker also available with integrated spy hole.

Original Handle

Numerals

Letter Plate

All of the above images are shown in Gold.

Other Finish Options:

Polished Chrome

Satin Chrome

White

Black

The Classic Collection

Elegant in appearance with a high quality finish, the Classic Collection has an understated beauty that suits any style of property.

Classic Handle | **Knocker** | **Centre Knob** | **Numerals** | **Escutcheon & Pull** | **Letter Plate**

All products shown above with a Polished Brass finish.

Our polished brass option is supplied unlacquered on all external furniture for a more durable finish. The unlacquered finish can either be left to take on an antique brass finish or cleaned using a quality metal cleaner to maintain the polished finish.

Other Finish Options:

Satin Chrome

Polished Chrome

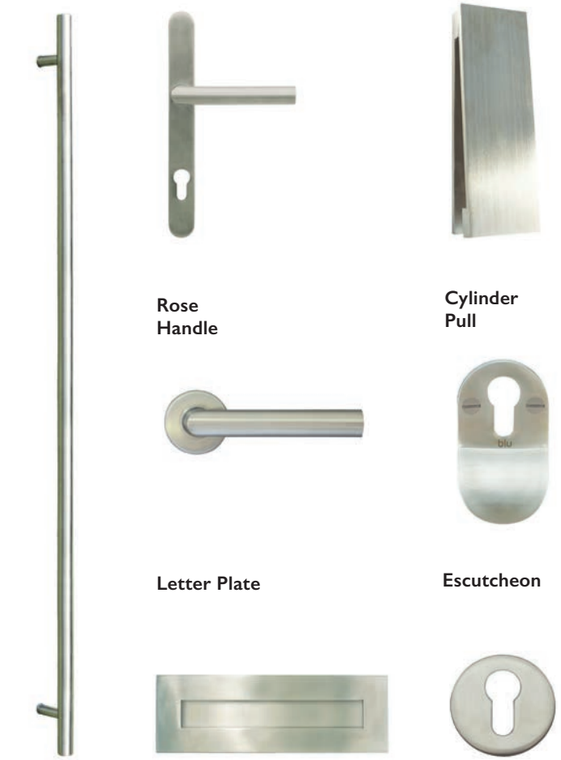
The Modern Collection

Providing a sleek, understated finish, the Modern Collection is our most contemporary offering. Machined from marine grade stainless steel, this collection is ideal for harsh and corrosive environments.

T-Bar Pull Handle | **Modern Handle** | **Knocker**

Rose Handle | **Cylinder Pull**

Letter Plate | **Escutcheon**



All products shown above with a Brushed Stainless Steel finish.

The Patio Collection

Attractive in appearance, our patio handles have been specially designed to allow simple operation and access to ventilation positions.

Sliding Door Handle

Closed Half Way Open

Other Finish Options

Bronze Polished Brass Polished Chrome

Product shown above in Satin Chrome.

Tilt & Sliding Door Handle

This handle is suitable for both tilt & sliding doors and inward opening bifold doors.

Other Finish Options

Closed Tilt Slide

White Titanium Bronze

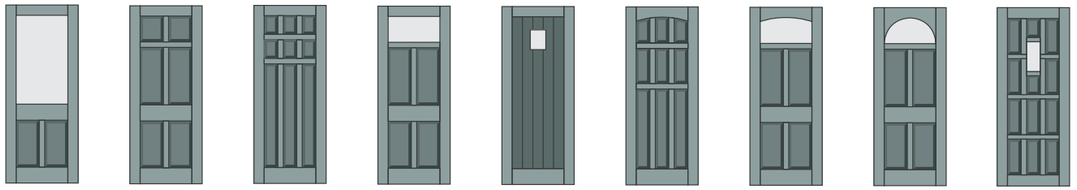
Product shown above in Silver.

Door Configurations

We have a number of door styles and configurations as standard, which are summarised below. These standard door designs are provided as a guide to provide inspiration. In reality, we can manufacture to any design specification, meaning that we can meet any bespoke needs.

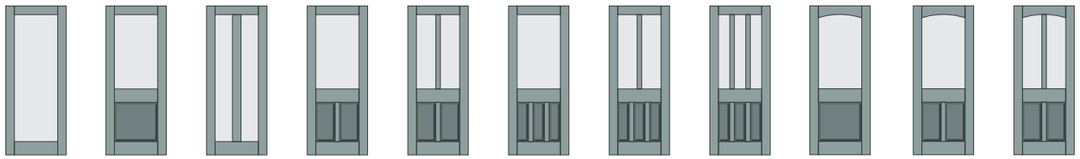
Door style options

Entrance doors



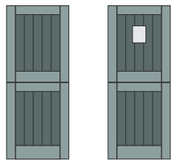
Type 104 Type 106 Type 110 Type 111 Type 112 Type 154 Type 155 Type 156 Type 157

Single doors



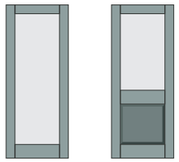
Type 101 Type 102 Type 103 Type 104 Type 105 Type 107 Type 108 Type 109 Type 151 Type 152 Type 153

Stable doors



Stable 201 Stable 202

French doors



Patio 501 Patio 502

Door layout options

Entrance doors

L101

L102

L201

L202

L203

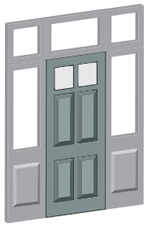
L204

L205

L206

L301

L302


L303

French doors

D101

D102

D103

D401

D402

D411

D412

D413

Door layout options

Sliding doors

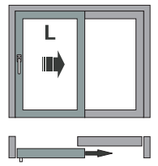


Diagram AL

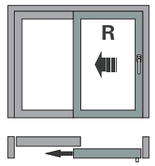


Diagram AR

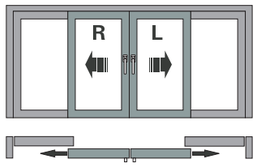


Diagram C

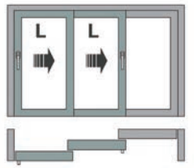


Diagram EL

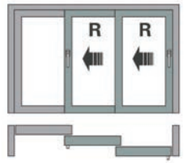


Diagram ER

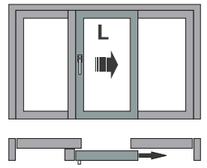


Diagram G

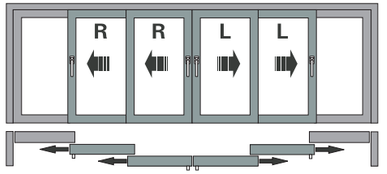


Diagram L

Tilt & sliding doors

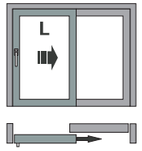


Diagram AL

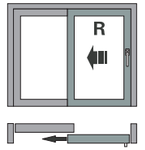


Diagram AR

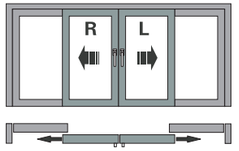


Diagram C

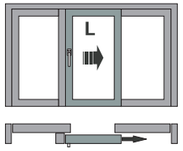


Diagram G

Door layout options

Bifold doors

Outward Opening

All schemes available in left and right handed versions

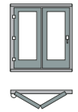


Diagram 220

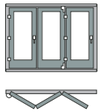


Diagram 330

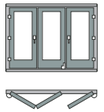


Diagram 321

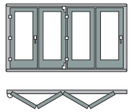


Diagram 440

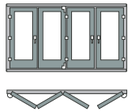


Diagram 431

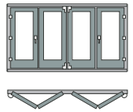


Diagram 422

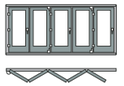


Diagram 550

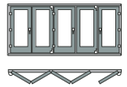


Diagram 541

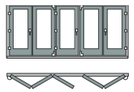


Diagram 532

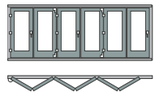


Diagram 660

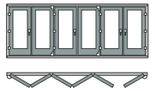


Diagram 651

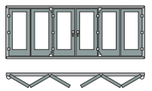


Diagram 642

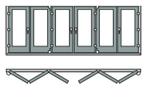


Diagram 633

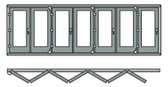


Diagram 770

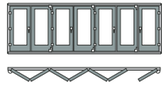


Diagram 761

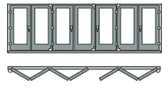


Diagram 743

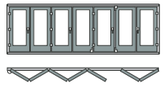


Diagram 752

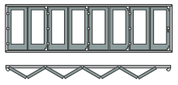


Diagram 880

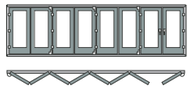


Diagram 871

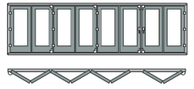


Diagram 862

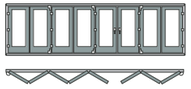


Diagram 853

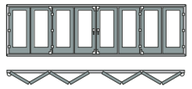


Diagram 844

Door layout options

Bifold doors

Inward Opening

All schemes available in left and right handed versions

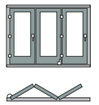


Diagram 330

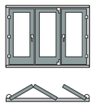


Diagram 321

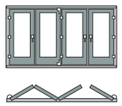


Diagram 431

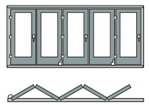


Diagram 550

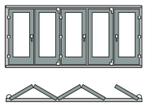


Diagram 541

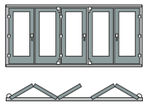


Diagram 532

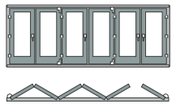


Diagram 651

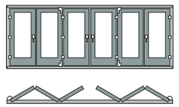


Diagram 633

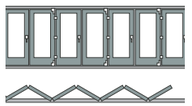


Diagram 770

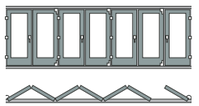


Diagram 761

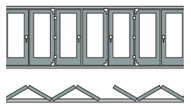


Diagram 743

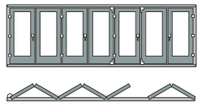


Diagram 752

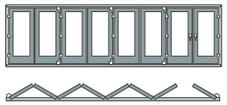


Diagram 871

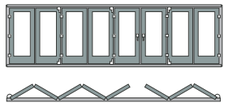


Diagram 853

All our timber windows and doors are designed and manufactured in our Lincolnshire factory to the highest standards. Visitors are welcome to tour our factory and see our products and processes first hand. Simply speak to your sales contact.

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