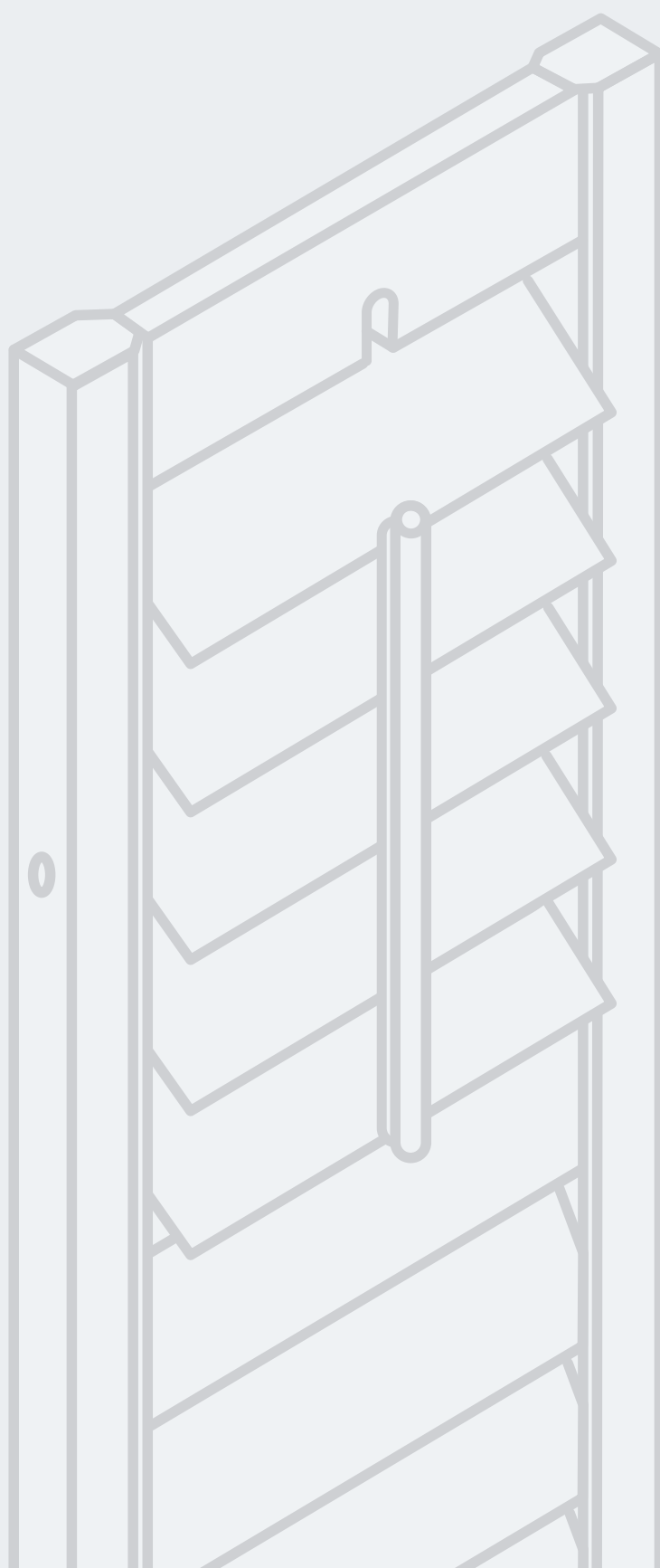


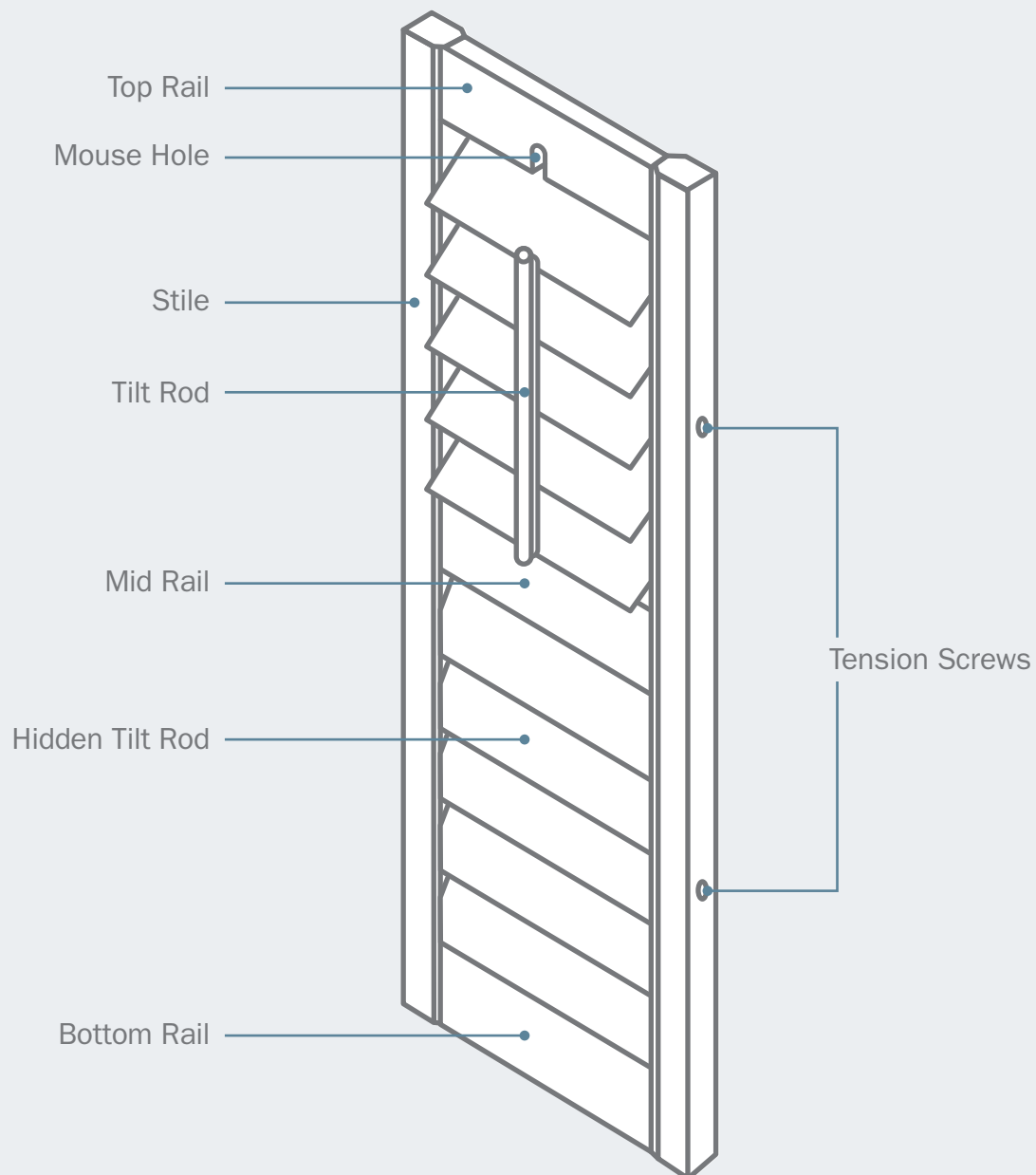
Shutter Information Guide

Issue 4 – February 2024



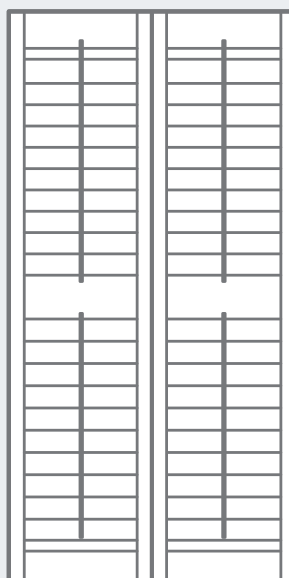
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Typical Shutter Panel



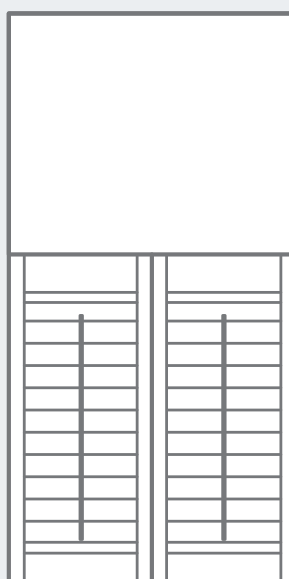
Full Height Shutters

These are the most popular option and can be supplied with or without mid or divider rails. The mid rails can be centralised or offset to match the horizontal window transoms and provide enhanced control over light and privacy.



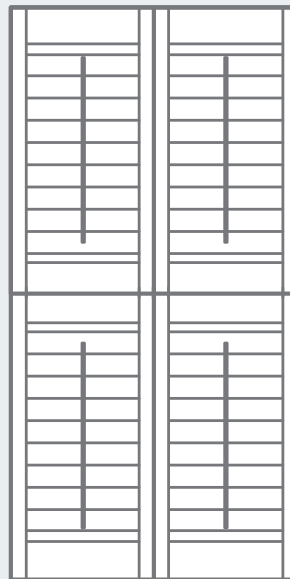
Café Style Shutters

These are fitted at a position between the top and bottom of the window. Often, this is to match the horizontal window transoms and allows natural light above the shutters and privacy below.



Tier on Tier Shutters

A tier on tier option is available with or without a horizontal T-post. We would advise a horizontal T post as this makes fitting easier. Tier on tier arrangements consist of two sets of shutters, fitted one above the other using the same frame and usually split in line with the horizontal window transoms. Each set can be operated individually giving greater flexibility on light and privacy.



Faux Wood UPVC Waterproof Shutters

Our Faux Wood UPVC shutters are made from a solid, extruded synthetic polyvinyl chloride material that has similar characteristics to real wood. The louvres have a smooth UPVC finish which, unlike painted wood, will not warp, flake or peel over time and makes them ideal for use in environments where hygiene is important. Being waterproof they are also suitable for installation in wetrooms and bathrooms, although they can be fitted in any room.

Faux Wood UPVC shutters offer the following advantages:

High strength & long life

Due to the extreme stability of the microporous structure, the mechanical properties and high compression of the compounds used, the shutters display very high strength and durability. By assessing and adjusting the size, pressure and stability of the PVC compounds the issues that arise from using ordinary PVC products or natural wood products (that can break easily) have been overcome. The high strength of the Faux Wood UPVC shutters offers a service life of up to 50 years.

Sound insulation & flame retardant

Because the product is formed using a high number of porous, individual bubbles, the sound-absorbing effect is approximately 5 times greater than that of ordinary concrete, giving a sound insulation co-efficiency of over 45 decibels. The product is a Class A, non-combustible, inorganic insulation material, giving it a fire resistance limit of over 3 hours, which affords great peace of mind.

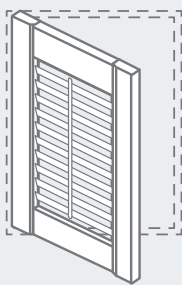
Excellent physical performance

With a very light density (approx. 650-680 kg/m²) the UPVC product offers many other unique properties including: resistance to vibration, resistance to corrosion, water proof, high thermal and sound insulation and is easily sawn, planed and machined.

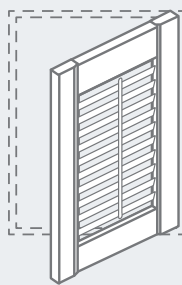
Energy efficient & environmentally friendly

The UPVC is non-toxic, non-volatile and does not contain any lead or mercury, meaning that our profiles are made from one of the most energy efficient and environmentally friendly materials use to make shutters. They are also fully recyclable.

One Panel System (width < 850mm)

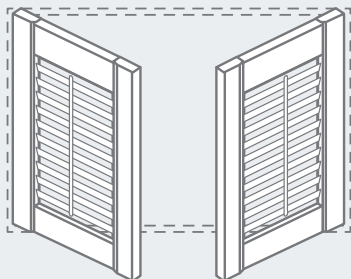


Left opening
Layout code: L

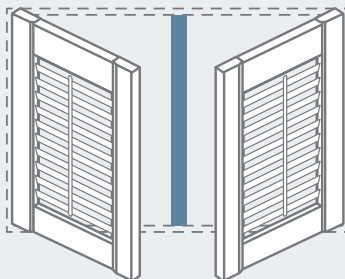


Right opening
Layout code: R

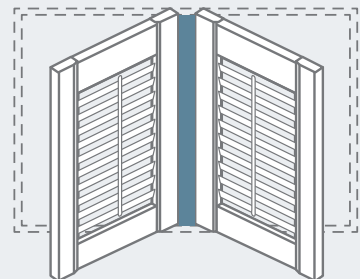
Two Panel System (width 470 - 1650mm)



Left opening, right opening
Layout code: LR

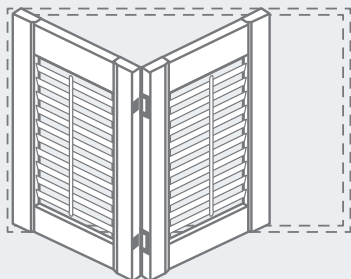


Left opening, T post,
right opening
Layout code: LTR

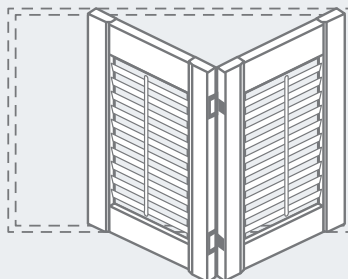


Right opening, T post,
left opening
Layout code: RTL

Two Panel Bi-fold (width 470 - 1650mm)

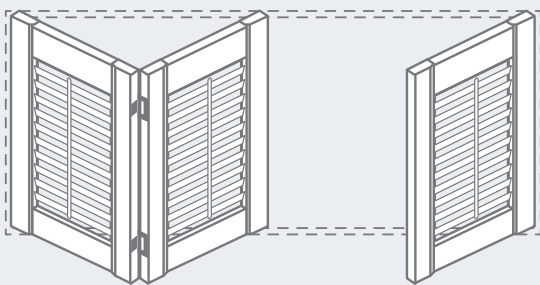


Left opening, left opening
Layout code: LL



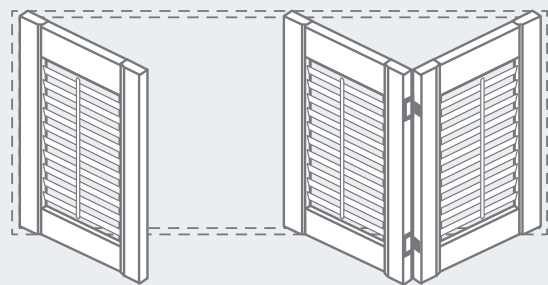
Right opening, right opening
Layout code: RR

Three Panel System (width 680 - 2450mm)



Left opening, left opening, right opening

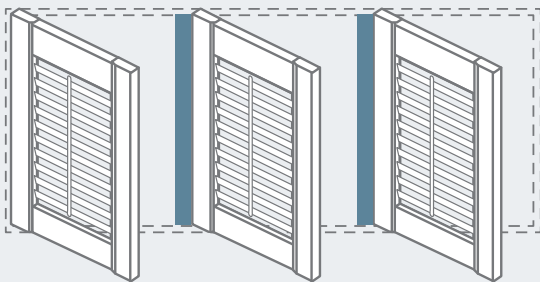
Layout code: LLR



Left opening, right opening, right opening

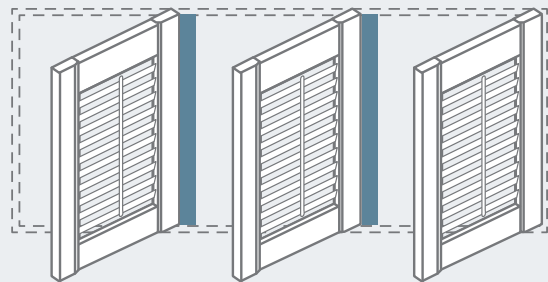
Layout code: LRR

Three Panel Individually (width 730 - 2450mm)



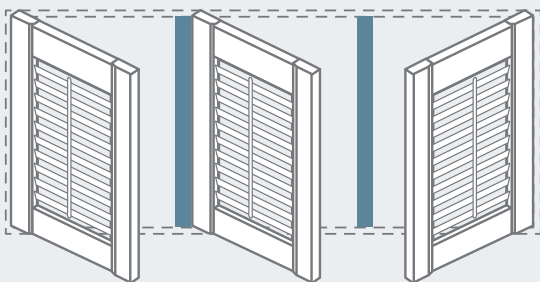
Left opening, T post, left opening, T post, left opening

Layout code: LTLTL



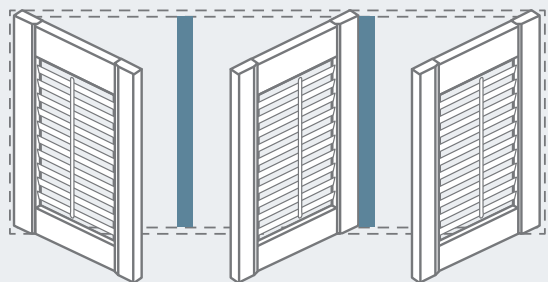
Right opening, T post, right opening, T post, right opening

Layout code: RTRTR



Left opening, T post, left opening, T post, right opening

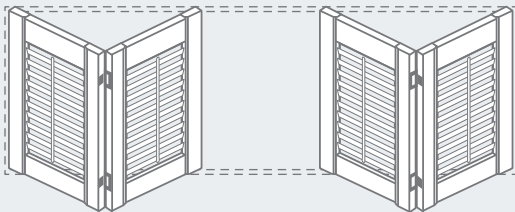
Layout code: LTLTR



Left opening, T post, right opening, T post, right opening

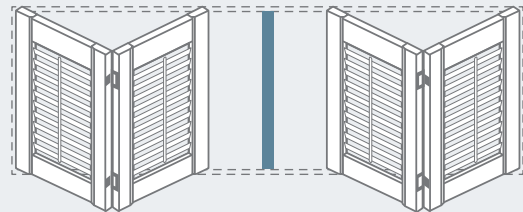
Layout code: LTRTR

Four Panel System (width 891 - 2450mm)



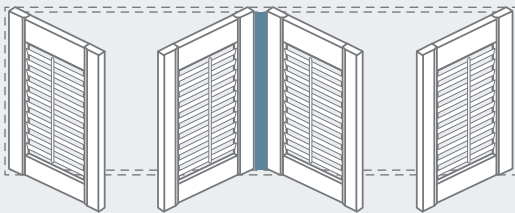
Left opening, left opening, right opening, right opening

Layout code: LLRR



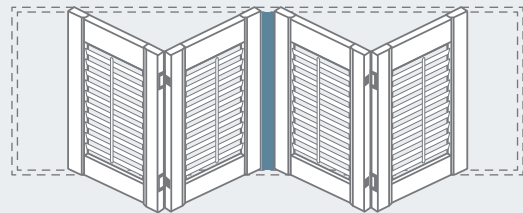
Left opening, left opening, T post, right opening, right opening

Layout code: LLTRR



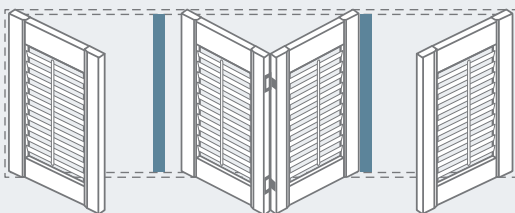
Left opening, right opening, T post, left opening, right opening

Layout code: LRTLRL



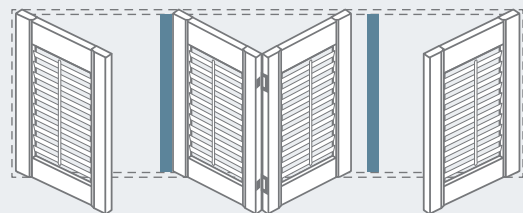
Right opening, right opening, T post, left opening, left opening

Layout code: RRTLRL



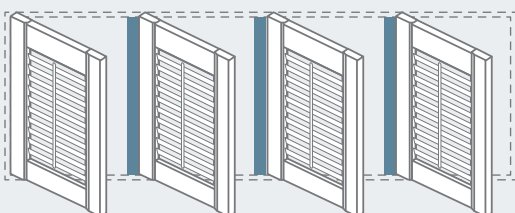
Left opening, T post, right opening, right opening, T post, right opening

Layout code: LTRRTLRL



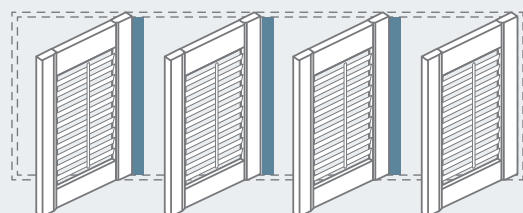
Left opening, T post, left opening, left opening, T post, right opening

Layout code: LTLRTLRL



Left opening, T post, left opening, T post, left opening, T post, left opening

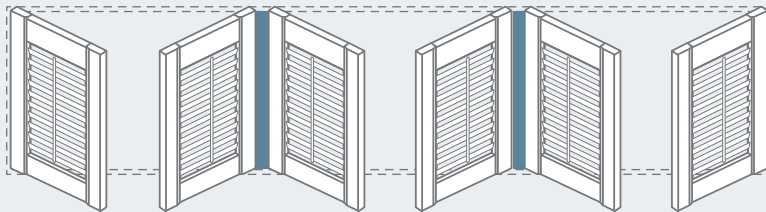
Layout code: LTLRTLRL



Right opening, T post, right opening, T post, right opening, T post, right opening

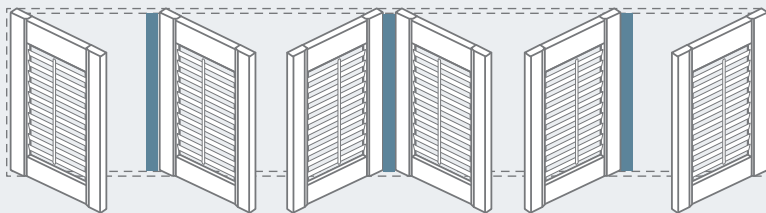
Layout code: RTRRTLRL

Six Panel System



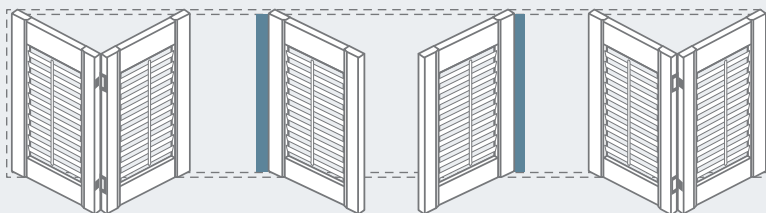
Left opening, right opening, T post, left opening, right opening, T post

Layout code: LRTLRTL



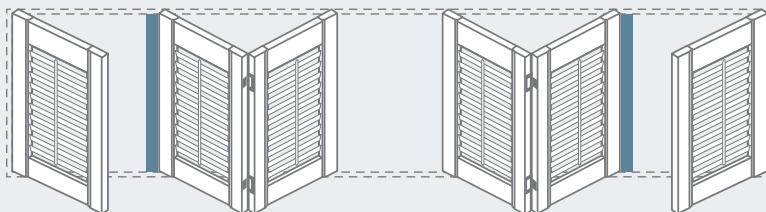
Left opening, T post, left opening, right opening, T post, left opening, right opening, T post

Layout code: LTLRTLRT



Left opening, left opening, T post, left opening, right opening, T post, right opening, right opening

Layout code: LLTLRTR

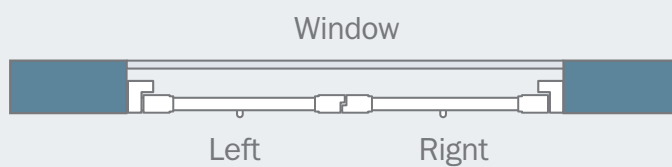


Left opening, T post, left opening, left opening, right opening, right opening, T post, right opening

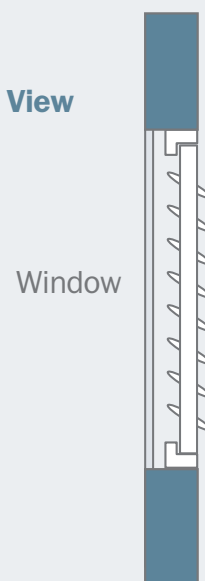
Layout code: LTLRRT

Inside Mounting (recessed)

Plan View

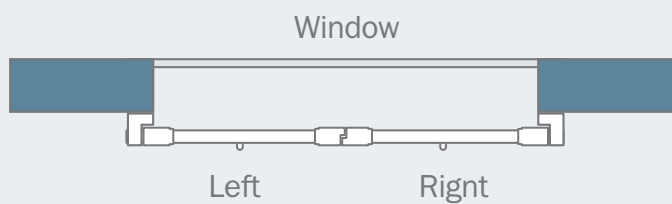


Sectional View

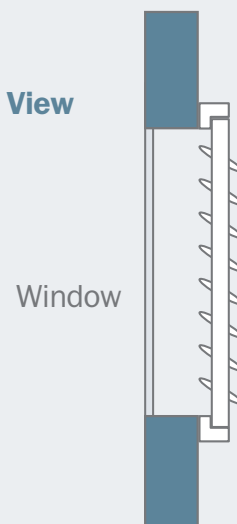


Outside Mounting (blind size)

Plan View

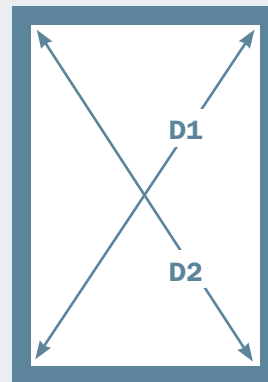


Sectional View



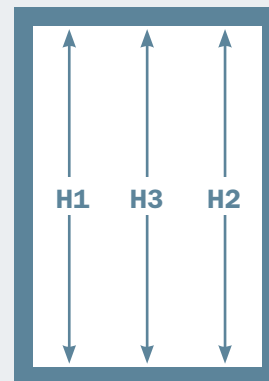
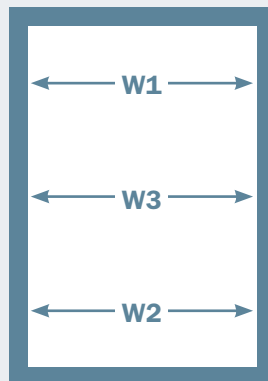
Window Measurement

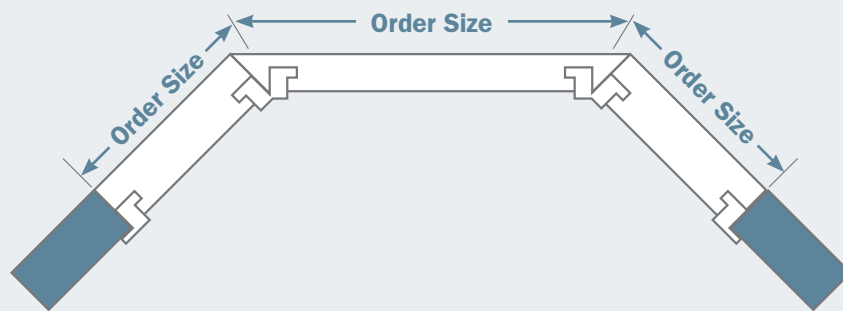
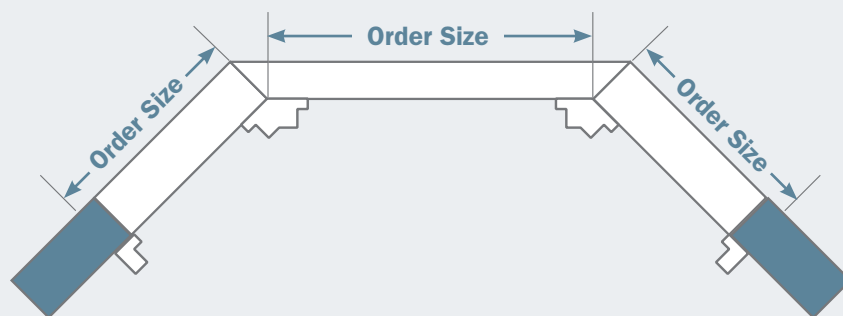
1. First, find the diagonal measurement of the window opening. Two measurements need to be taken. If the difference between the two measurements (D1 and D2) is greater than 3mm, either an outside mount or an inside mount with Z-frame is recommended.



2. Next, measure the window width (W) and height (H) in three places.

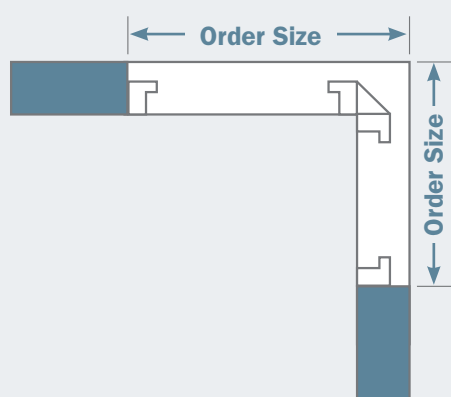
For inside mounting, use the smallest of the three measurements to determine the width and height; for outside mounting, use the largest of the three measurements to determine the width and height.



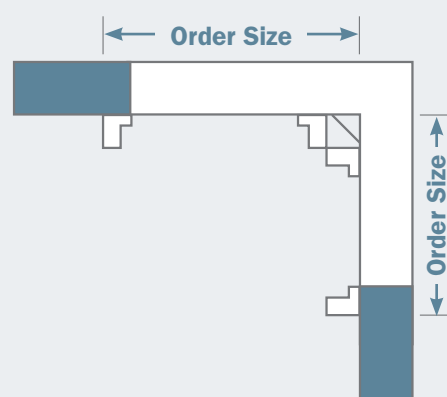
Bay Measurement - 135° post**Inside****Outside**

Bay Measurement - 90° corner post

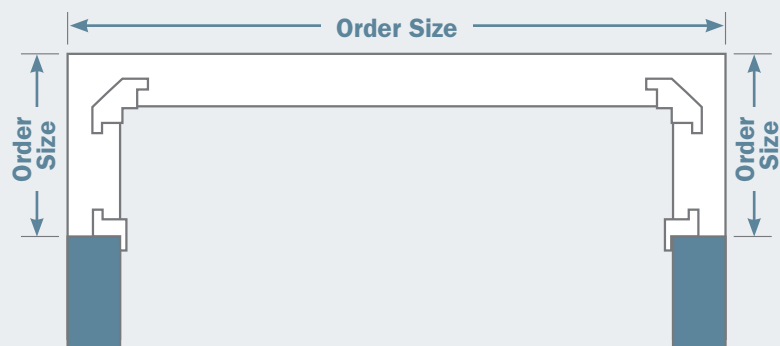
Inside



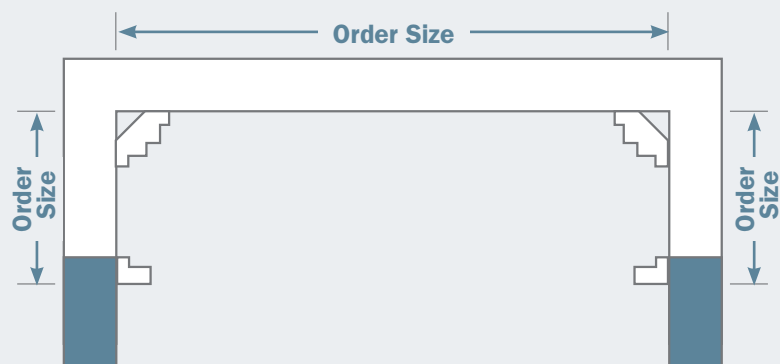
Outside



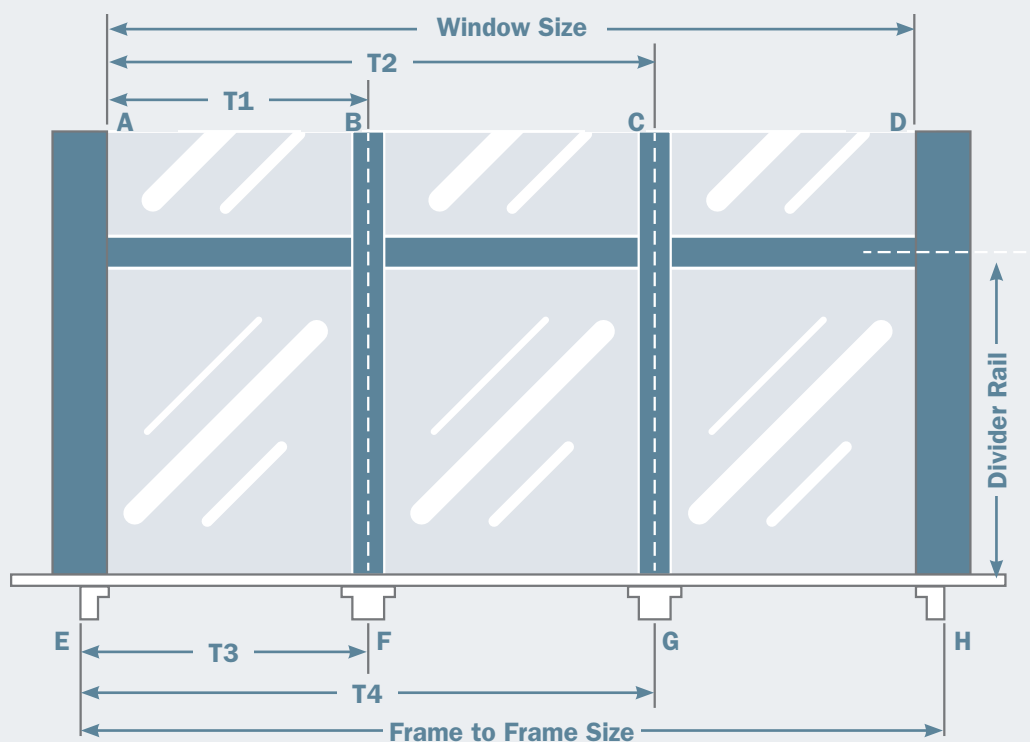
Inside



Outside



T-post & Divider Rail Measurement



Inside Mould (T-post Position)

1. T1 = from point A to B ie. from the left side to the centre of the first vertical transom.
2. T2 = from point A to C ie. from the left side to the centre of the second vertical transom.
3. From point A to D ie. the width of the window.

Outside Mould (T-post Position)

1. T3 = from point E to F ie. from the left side to the centre of the first T-post.
2. T4 = from point E to G ie. from the left side to the centre of the second T-post.
3. From point E to H ie. the distance we need for the left and right frame.

Divider Rail

1. Mid-rail height = from the bottom of the window to the first horizontal transom.

Ordering

Please send details of your shutter specifications on the spreadsheets provided.

Mid Rails

When ordering a shutter higher than 1800mm a midrail will be required. The midrail height is always measured from the bottom of the shutter up to the centre of the midrail.

When ordering, you will be asked to choose between the midrail height being 'critical' or 'non-critical'. The default setting is non-critical which means that the top and bottom rails of the panel will be even sizes. However, please be aware that the midrail position may be altered by up to 25.4mm in either direction.

If 'critical' is selected the centre of the midrail will be positioned at the requested height but the sizes of the top and bottom rails will most likely be different to each other. By selecting critical there is no guarantee which rail will be the largest and it is likely the shutter will have uneven top and bottom rails.

Please note that our UPVC range does not have the option for critical. All midrails will be treated as non-critical.

Top & Bottom Rail Size

For UPVC shutters the maximum height for top and bottom rails is 117mm; the minimum height is 76mm.

As the spacing of the louvres is fixed the top and bottom rail height will vary depending on the overall height of the shutter. Therefore, if you have multiple shutters in one room, it is important to keep the height the same for all shutters.

Control Method

Centre Tilt Rod - A traditional plantation tilt rod positioned in the centre of the louvre.

Offset Rod - A traditional plantation tilt rod offset 25mm from the edge of the louvres on the hinged side of the panel.

Hidden Tilt Rod - A discreet aluminium profile rod, positioned on the back of the panel along the side of the louvres on the hinged side of the panel. Please note that the rod will be painted the same colour as the shutters.

Dependent on the number of louvres, the hidden tilt rod may require a split – please see table opposite.

Louvre Size	Full Height Shutter (no midrail)	Full Height Shutter (with midrail)	Maximum Louvres
63mm	Split if over 960mm	Split if over 900mm	15
89mm	Split if over 1190mm	Split if over 1130mm	13

Configuration (Layout Code)

When ordering shutters you will be asked for the Layout Code. This determines how your shutter is manufactured. For example, the code 'LLRR' would signify two panels folding together to the left, with two panels folding together to the right.

Please note that where panels meet, panels will always open right over left unless specifically ordered as left over right in the item notes. A maximum of two panels can be hinged together (multi-fold). This means that the maximum possible number of panels without T posts or a track will have a panel configuration of LLRR.

Layout Code	Description
L	Hinged left
R	Hinged right
T	T post
B	Bay post
C	Corner post

Maximum & Minimum Shutter Sizes

The maximum height of a shutter with a 50.8mm stile is 3000mm (above 1800mm) must have a midrail. More than 2500mm must have two midrails. The maximum height for a shutter with a 38.1mm stile is 1500mm. Minimum and maximum panel widths are shown in the table opposite.

Please note UPVC shutters are only available in single and bi-folding panels.

Dimension

50.8mm Stile

Minimum Height	460mm
Minimum Width	260mm
Maximum Width of Single Panel (L or R)	850mm
Maximum Width of Bi-Fold Panel (LL or RR)	650mm

Tolerances

With made-to-measure products there are tolerances within the specification. If your shutters exceed this please contact us and we will rectify this for you.

Width - The width of the panels can be plus or minus 1mm per panel.

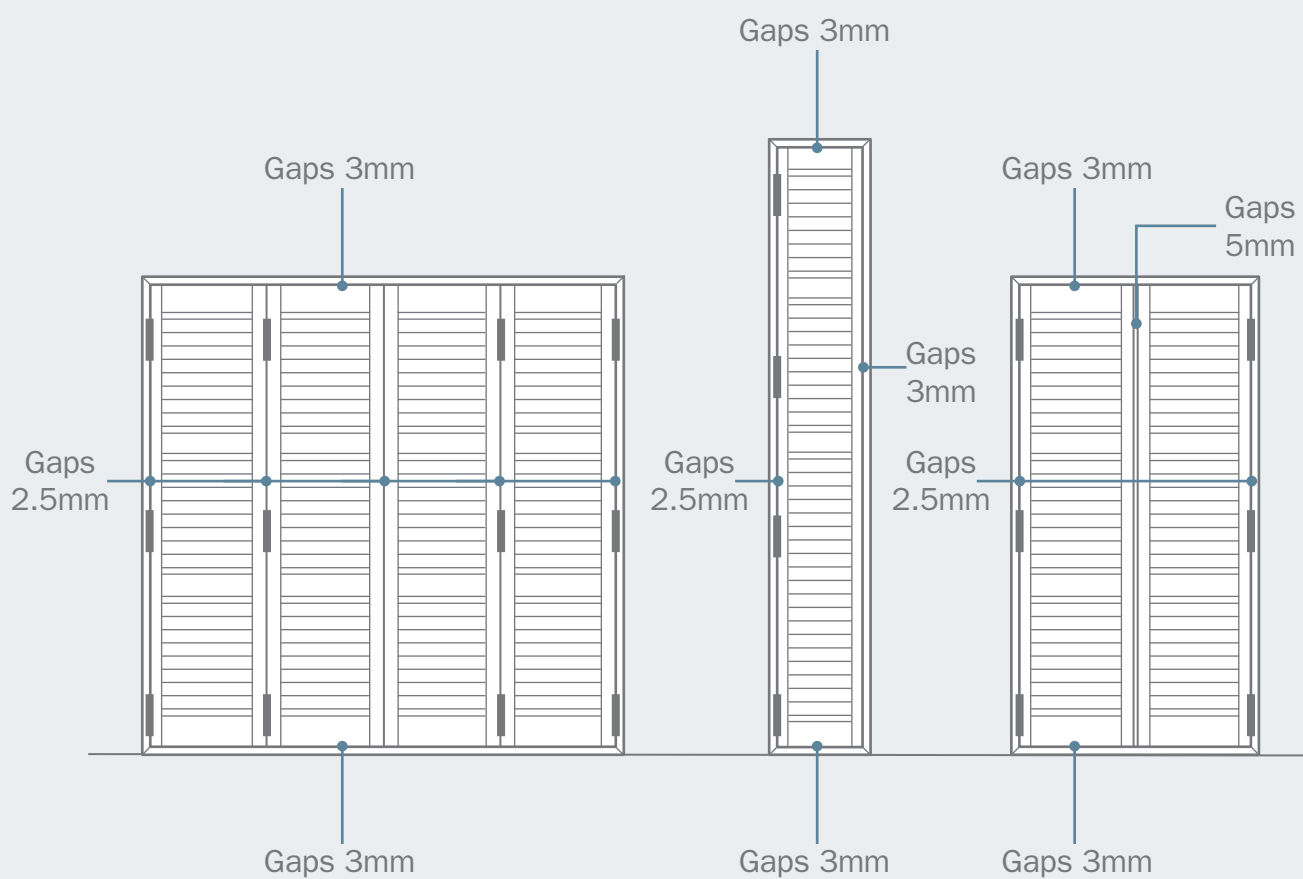
Height - The height of the panels can be plus or minus 1.5mm from order height.

Mid-rail location - Standard mid-rail width is 76.2mm. If the mid-rail position is not 'critical' it may vary in width 25.4mm. UPVC shutters always have a 'non-critical' mid-rail.

T posts - May vary up to 1mm.

This is dependent on the panel widths as detailed above.

Gap Tolerances



Deliveries

Our standard lead time is 4 to 6 weeks from date of order.

Frame Sides

By default, a 4-sided frame will be suggested for all shutters. If a Z-frame is selected, you will have the option of a sill to the bottom. A sill is a Z-frame with the lip cut off to form an L-frame.

Colours

Standard Shutters

Available in Snow White

Premium Colours

Available on longer delivery times – please ask for further details.

Special Colours

Specify RAL colour or provide a colour reference. Available on longer delivery times – please ask for further details.

Paint Specification

Water-based painted. No lead molecular weight phthalates contained. No lead (Pb) or mercury. Environmentally friendly and green.

Warranty

We provide a 10-year warranty across all shutters. This is protected against the specification included within this document.

Cancellations

Once your order has been marked as 'In Manufacture' no cancellations will be accepted.

Rework Requests

We benchmark faults at a visible distance with the naked eye of 1.2 metres.

Shutters are a handmade product, therefore you should expect natural characteristics of a handmade process.

You will need to submit photographic evidence of any marks/damage. It is important to take photographs as the shutter is taken out of its packaging and not afterwards so we can confirm that the damage has not been caused during installation.

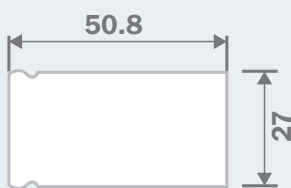
If an element of the shutters is the wrong size make sure you take photos with a tape measure alongside, showing the problem clearly.

All damage reports can be sent to us by email:

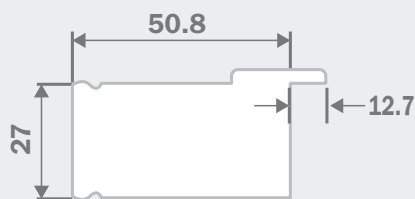
orders@britishshutters.co.uk

Please ensure you include your Order Number as the subject line. Please also advise us of the Item Number, Panel Number (left to right looking at the shutter) and any other details of which part is affected. If photographs are not submitted the cost will be your own.

PVC 50.8mm Stiles



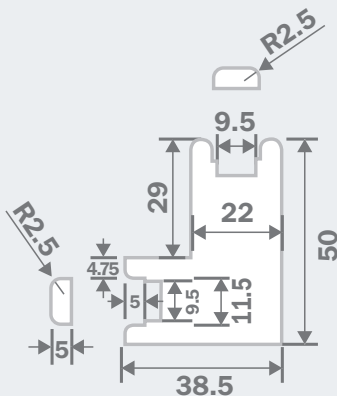
Solid Square Stile
PVC
(Code SSA)



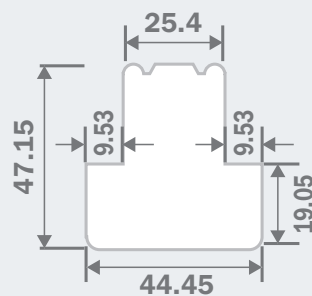
Solid Astragal Stile
PVC
(Code SSC)

PVC Frames

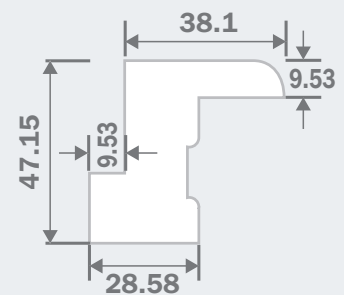
We offer a range of recess, flush and face-mounted frame options.



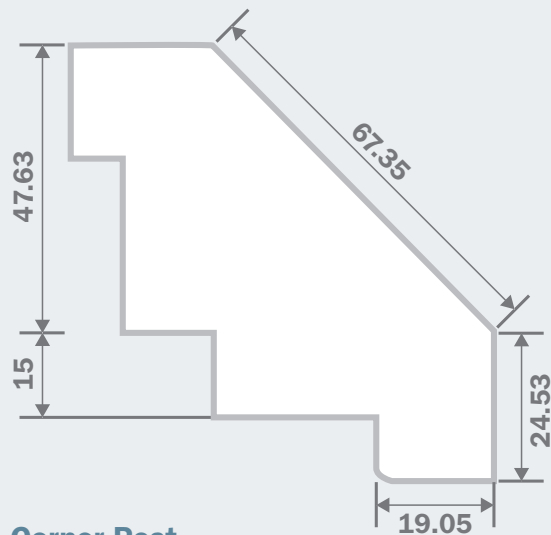
Insert Slot L Frame
including side insert
(Code F50A)



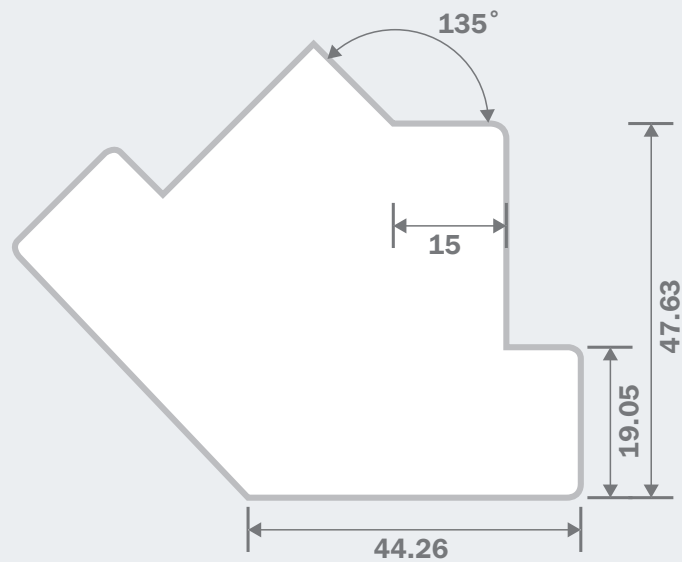
T Post
50mm
(Code 1.0T)



Bullnose Z Frame
(Code Z40)



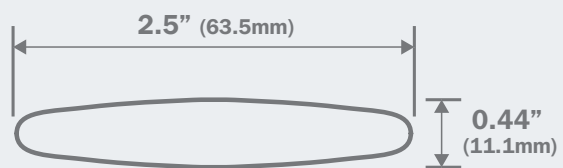
Corner Post
(Code CPT)



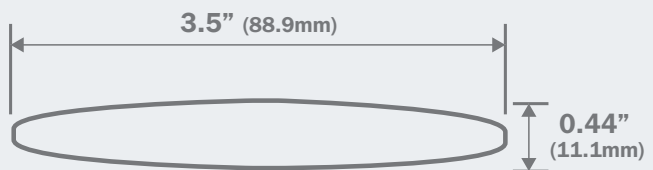
Bay Post
(Code BPT)



2½" Louvre
(Code 2.5L)



3½" Louvre
(Code 3.5L)



The images below show different tilt rod styles dependent on material.



Centre Tilt Rod - PVC



Hidden Tilt Rod



Office & Showroom

60 Otley Road, Guiseley
Leeds LS20 8AH

Factory

Unit 4, Parkside Works
Otley Road, Guiseley, Leeds
West Yorkshire LS20 8AH

Phone: **0113 873 0525**

Email: **sales@britishshutters.co.uk**

www.britishshutters.co.uk