



## Product & Technical Specification 2022

For Shutters sold from 25th March 2022

## Contents

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|                                 |    |
|---------------------------------|----|
| Our Styles                      | 3  |
| Our Ranges                      | 4  |
| Shutter Colour Options          | 5  |
| Product Options                 | 6  |
| Shutter Glossary                | 7  |
| Frame Options                   | 11 |
| Panel Configuration             | 13 |
| Product Limitations             | 14 |
| Special Shape Shutters          | 15 |
| Nuts & Bolts                    | 20 |
| The In's & Outs of Our Shutters | 24 |
| Key Facts Regarding Shutters    | 26 |

# Our Styles

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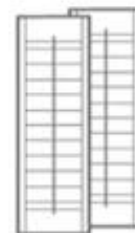
## Full Height

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Our most popular shutter which offers endless variations. Choose between 4 slat sizes, 3 materials, 4 control rod options and 28 colours. These shutters can be supplied with or without a dividing a mid-rail. Mid-rails provide added strength to taller panels and give enhanced flexibility in how you may control light and privacy (by adjusting the slats above the mid-rail independently to the slats below the mid-rail). It is also possible to request a break in some control rod options (concealed & hidden rods) This can offer that same flexibility without having the need for a mid-rail in the panel.

Whatever you decide please note that a full height panel will always open and close as one panel.

Full height is our best-selling style.



## Café

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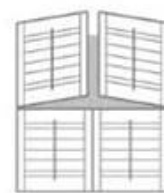
Ideal for ground level windows or town houses. Café style leaves the top part of the window un-shuttered, using shutters only on the bottom part of the window. The panels often cover halfway up but they can be made to go up to any suitable position on the window. This style allows maximum light into the room yet provides privacy. However, consideration should be given to the function of the room. Bedrooms for example may need a curtain or blind to compliment café style shutters.



## Tier on Tier

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Two sets of shutter panels installed within the same frame, one set above the other. The top and bottom set open independently and this allows the greatest flexibility with controlling light and privacy. Tier on Tier shutters are generally suited to tall and narrower windows (think of a stable door). The split between tiers is generally requested in line with the top of a horizontal glazing bar present on the window. This style is very well suited to tall Victorian bay windows.

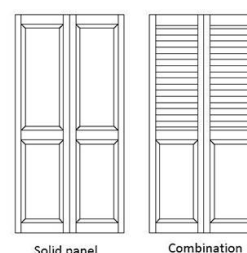


## Solid Shutters

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We offer a Solid Raised design for Full Height panels. These shutters are available from our **Hardwood** range and can be supplied either painted or stained (not in the Limewash finish) Solid shutters offer the best option for a near blackout solution in a room. You can choose to insert 1 or 2 Mid-rails in the solid panel as it is a good way to add extra detail.

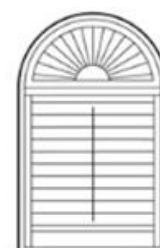
*A combination style (with solid on bottom & slats on top) can also be requested.*



## Special Shapes

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In the coming months we will offer a comprehensive range of shaped shutters. Available in **Hardwood**. Shaped windows can present a real challenge when it comes to window dressing, but we are confident that we can provide the perfect solution for every window. For peace of mind a technical drawing with dimensions will be provided for sign off before production begins. A surcharge applies to cover the additional work required at manufacturing. Shapes will be available to order via the shop soon but please speak to our team if you need support with a shaped order before then.



# Our Ranges

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## Hybrawood

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This shutter range is high quality and durable and available in 4 slat sizes, 13 paint options, and with a choice of 4 control rod options. The outer bones of the shutter (frame, rails, and stiles) are constructed from Paulownia hardwood with ultra-durable aluminium core running through each of the polyvinyl slats. This makes it significantly longer lasting than many other entry level shutters on the market. Built to last, these shutters are strong and will well age with time.

## Hardwood

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Paulownia wood has a fine and knot free grain which makes it the perfect hardwood for painting or staining. This hardwood shutter offers our full range of options – 13 paints, 11 wood stains and 4 limewash finishes. The Limewash finish clearly shows the wood's grain through the paint and this range could be described as having quite a nautical/beach vibe. If your décor is rustic or shabby chic or you like a driftwood appearance then this could be the shutter for you. Visit our samples page to request a Limewash sample.

Although it's a hardwood Paulownia is approx. 1/3 lighter in weight when compared to other hardwoods. This makes it an excellent choice for Tier on Tier shutters or wider openings.

It's great for the environment too. A deep-rooted tree with a well-developed root system, it will yield one cubic meter of hardwood in 8 years, after which a new stem will shoot. A single plantation can therefore be harvested several times, providing a sustainable, renewable source of timber. Whilst the timber is light, it's strong and will not crack or split when nails or screws are used.

Shaped shutters and Solid shutters are also available in Paulownia wood.

## Waterproof Vinyl

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For those areas of the home where windows are in direct contact with water you will need shutters that can stand up to the moisture and not warp over time. Our vinyl shutters are built to withstand the harshest of environments. They are 100% waterproof, will not fade, warp, or peel and the aluminium core running through the slat means they are highly durable.

# Shutter Colour Options

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## Paints

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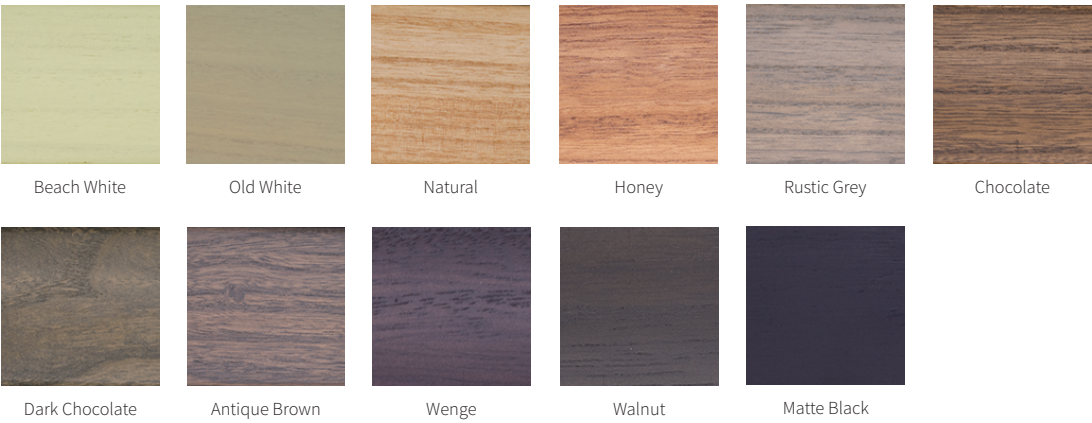
## Limewash

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## Stains

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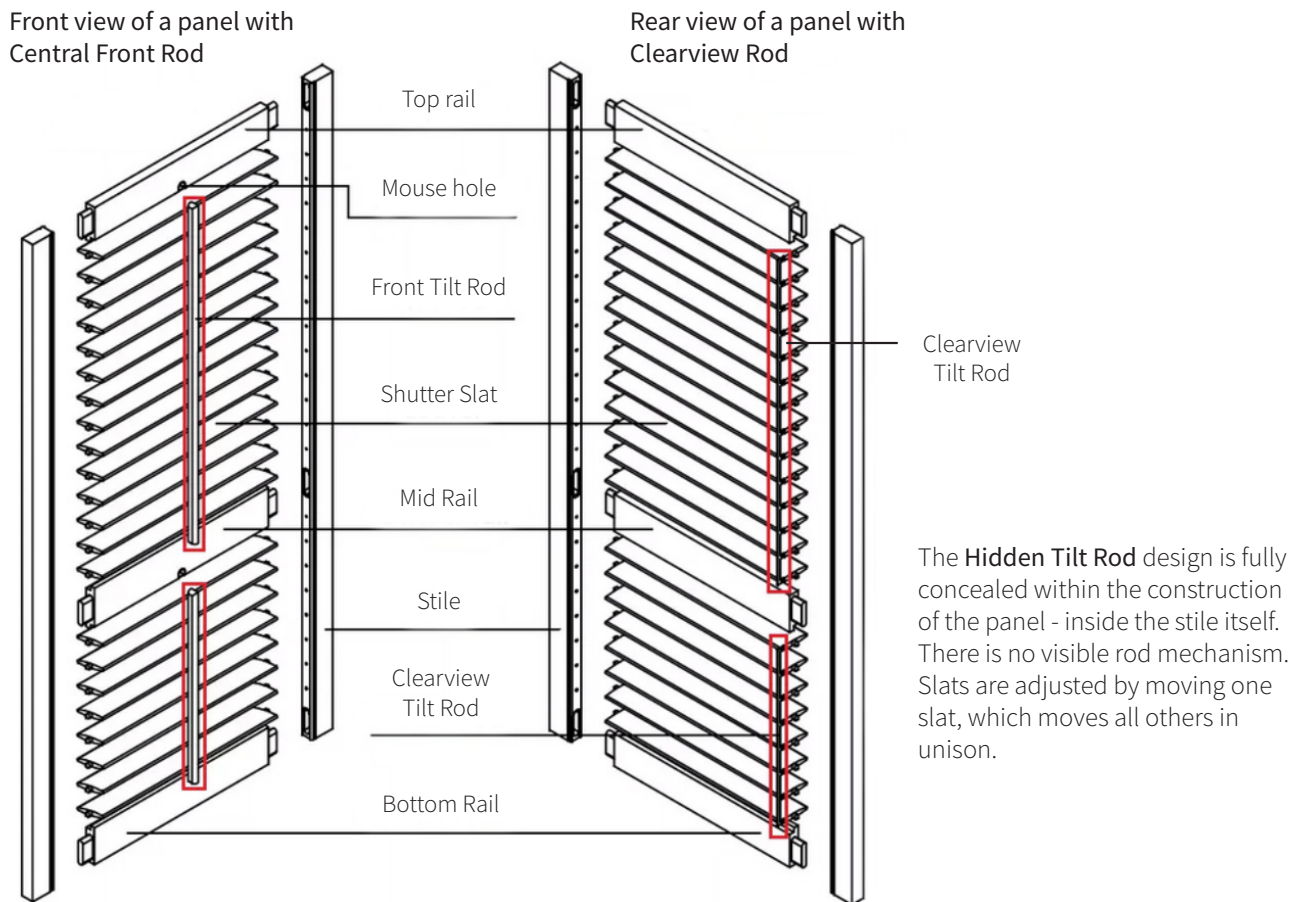
# Product Options

| Hybrawood   | Hardwood  | Hardwood Limewash Finish  | Waterproof  |
|---|---|---|---|
| Vivid White TS05  | Vivid White TS05  | Limewash - White Grained TS40   | Vivid White TS05  |
| Traffic White 9016  | Traffic White 9016  | Limewash - Fern TS30  | Traffic White 9016  |
| Cream 9001  | Cream 9001  | Limewash - Branch TS31  | Cream 9001  |
| Oyster White 1013   | Oyster White 1013   | Limewash - Bark TS32  |   |
| Grey White 0451   | Grey White 0451   |   |   |
| Cream Grey 0452   | Cream Grey 0452   |   |   |
| Brown Grey 0453   | Brown Grey 0453   |   |   |
| Signal Grey 7004  | Signal Grey 7004  |   |   |
| Dusty Grey 7037   | Dusty Grey 7037   |   |   |
| Moss Grey 7003  | Moss Grey 7003  |   |   |
| Traffic Grey 7043   | Traffic Grey 7043   |   |   |
| Black Grey 7021   | Black Grey 7021   |   |   |
|   | Beach White 0412  |   |   |
|   | Old White 0411  |   |   |
|   | Natural 0414  |   |   |
|   | Honey 0415  |   |   |
|   | Rustic Grey 0418  |   |   |
|   | Chocolate 0416  |   |   |
|   | Dark Chocolate 0417   |   |   |
|   | Antique Brown 0419  |   |   |
|   | Wenge 0421  |   |   |
|   | Walnut 0420   |   |   |
|   | Matte Black 0413  |   |   |
| Vivid White Hinge   | Vivid White Hinge   | Vivid White Hinge   |   |
| Natural White Hinge   | Natural White Hinge   | Natural White Hinge   |   |
| Off White Hinge   | Off White Hinge   | Off White Hinge   |   |
| Black Hinge   | Black Hinge   | Black Hinge   |   |
| Rub Bronze Hinge  | Rub Bronze Hinge  | Rub Bronze Hinge  |   |
| Brass Hinge   | Brass Hinge   | Brass Hinge   |   |
| Antique Brass Hinge   | Antique Brass Hinge   | Antique Brass Hinge   |   |
| Stainless Steel Hinge   | Stainless Steel Hinge   | Stainless Steel Hinge   | Stainless Steel Hinge   |
| <b>Slat Sizes</b><br>64mm 76mm 89mm 114mm                                     | <b>Slat Sizes</b><br>64mm 76mm 89mm 114mm                                     | <b>Slat Sizes</b><br>64mm 76mm 89mm 114mm                                     | <b>Slat Sizes</b><br>64mm 76mm 89mm 114mm                                     |
| <b>Café Full Height</b><br>No Tier on Tier                                    | <b>Café Full Height</b><br>Tier on Tier                                       | <b>Café Full Height</b><br>Tier on Tier                                       | <b>Café Full Height</b><br>No Tier on Tier                                    |
| No Solid Shutters   | Solid Raised Panels   | No Solid Shutters   | No Solid Shutters   |
| No Special Shapes   | Special Shape Shutters  | No Special Shapes   | No Special Shapes   |
| <b>Control Rod Options</b><br>Central / Off set Rod<br>Clearview / Hidden Rod | <b>Control Rod Options</b><br>Central / Off set Rod<br>Clearview / Hidden Rod | <b>Control Rod Options</b><br>Central / Off set Rod<br>Clearview / Hidden Rod | <b>Control Rod Options</b><br>Central / Off set Rod<br>Clearview / Hidden Rod |

Note: Each 4 digit colour code is for manufacturing purposes. These codes are not representative of Ral or other retail paint brands.

# Shutter Glossary

## Anatomy of a Shutter



**Top and Bottom rails** help to construct the panel.

When slats are fully closed up, the **Front Tilt Rod** sits inside the **Mouse hole**.

The **Front Tilt Rod** connects all slats to allow them to close together. Moving the Front tilt will operate slats.

Shutter Slats come in 4 sizes. 64mm, 76mm, 89mm, 114mm.

A **Mid Rail** will add strength to taller panels. They offer flexibility on how the slats on top can be moved separately from the slats on the bottom.

The vertical rails on either side are called **Stiles**. Along with the top and bottom rails, they form the structure of the panel.

A **Clearview Tilt Rod** is a thin metal bar on the back of the panel. It connects all slats to allow them to close together. This option allows a more open view through the slats. From the front of panel, move any slat to operate all slats.

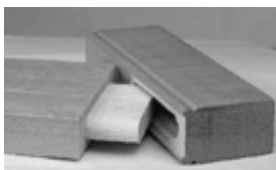
**Hidden Tilt Rod** - nothing visibly connects the slats. Tilt any slat and all slats move together.

# Shutter Glossary

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## Panel Structure

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Mortise and tenon joints are used when fixing Top & Bottom rails to the Stiles. This produces an extremely strong construction.

## Mid Rails

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Mid rails can also be referred to as divider rails. They give strength to taller panels. The 1st mid rail is required when a panel is over 1800mm. A second mid rail is required when a panel is over 2400mm. Always measure from the bottom up to the midpoint of your preferred location. Occasionally your requested location may need to move + or - by approx. half of one slat size. Allowing this flexibility helps manufacturing ensure that the optimum numbers of slats can fit in the panel height and achieve the smallest size of top and bottom rails.

Below is the amount manufacturing could move the mid rail location. The size of the mid rail for 64mm, 89mm & 114mm slats is a standard size of 76mm “tall”. The size of the mid rail for 76mm slat is a standard size of 63mm “tall”.

### Wood & Hybrawood Shutters

| Slat Size | MR can move by |
|-----------|----------------|
| 64mm      | +/- 25mm       |
| 76mm      | +/- 32mm       |
| 89mm      | +/- 38mm       |
| 114mm     | +/- 50mm       |

**Important:** If you do not want your Mid rail location to move you must advise our team.

“Critical” ensures this will be the “Exact” Mid rail location. However, that could result in the panel receiving a bigger top or bottom rail which may aesthetically compromise your design. Please request a drawing before manufacture if in any doubt.

Note: **Critical** (Exact) mid rail requests are not an option for our Waterproof shutters range.

## Top and Bottom Rails

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When your shutters do not have a mid-rail, the top & bottom rails will always be the same size. The minimum size could be 76mm & the max size will be determined by your slat size.

We will always work to ensure the right balance ensuring the best aesthetics whilst ensuring structural integrity.

### Wood & Hybrawood Shutters

64mm slat – max rail size is 127mm

76mm slat – max rail size is 140mm

89mm slat – max rail size is 153mm

114mm slat – max rail size is 178mm

Shutters **with a Mid Rail** could mean the Top & Bottom Rails are not always supplied the same size. The min size could be 76mm & max size will be determined by your slat size

### Wood & Hybrawood Shutters

64mm slat – max rail size is 140mm

76mm slat – max rail size is 153mm

89mm slat – max rail size is 178mm

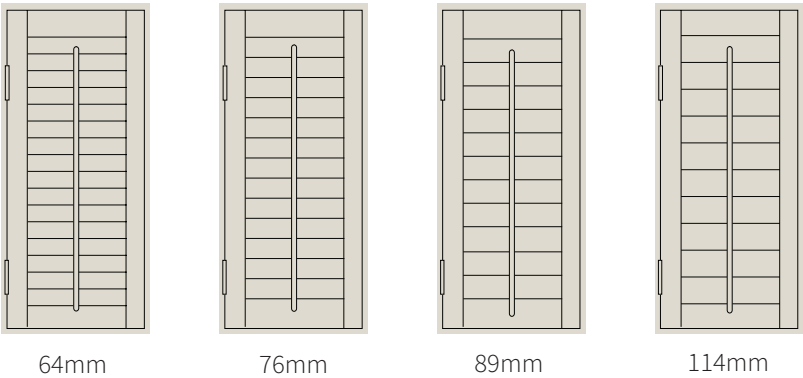
114mm slat – max rail size is 191mm

### Waterproof shutters

The minimum size for the top & Bottom rails with our Waterproof range is 76mm and the maximum size is 117mm. Note: Requests for “Critical” (Exact) mid rails are not an option for this range.

# Shutter Glossary

## Slat Sizes

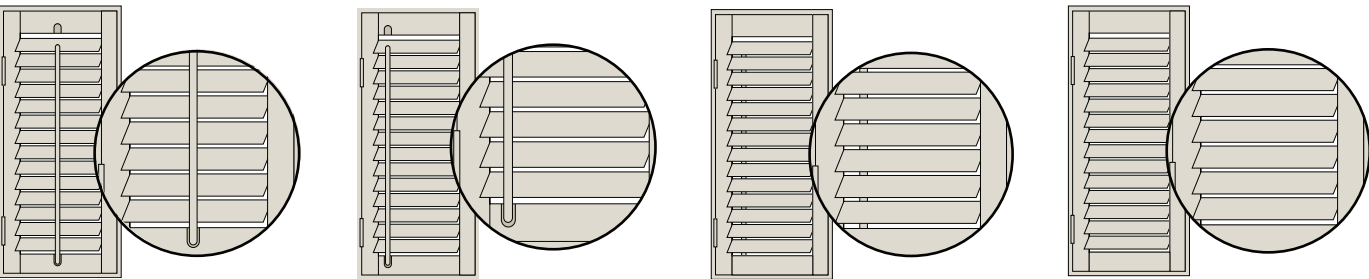


Your choice of slat will be dependent upon the look you are hoping to achieve. Generally, a small slat offers a more traditional look, whereas a bigger slat will offer a more contemporary look.

Solid shutters are available in Paulownia wood.

+ 10% for Solid Shutters

## Tilt Rods



### Central Front Tilt Rod

The front tilt rod is the vertical piece of wood which links the shutter slats together and allows all slats to open and close in unison.

A front tilt rod is normally located in the centre of the panel and perceived as the classic plantation shutter look.

### Offset Tilt Rod

The offset tilt rod is the vertical piece of wood which links the shutter slats together and allows all slats to open and close in unison.

However, the offset position is 38mm from the edge of the slats on the hinged side of the panel.

+5% for this Rod Option

### Clearview Tilt Rod

A Clearview tilt rod is the term given to shutters that have a discreet aluminium tilt rod hidden at the rear of the shutter panel.

To open and close the slats you simply adjust any one of the slats and all slats attached to that rod will open in unison. Please note there is no surcharge for the Clearview tilt.

### Hidden (In Stile) Tilt Rod

The In Stile tilt rod is completely hidden within the panel's stile. To open and close slats simply adjust any one of the slats attached to the In-Stile mechanism and all slats open in unison.

+ 10% for this Rod Option

## Clearview Split

Shutters taller than 1300mm without a mid-rail require a split in the Clearview tilt rod. You can request a split in a specific location. Always measure from the bottom up for the split location. If no location is requested then your order will automatically receive a split in the centre of the Clearview rod. Having a split in Clearview rods over 1300mm helps ensures good slat closure.



Clearview option for all ranges.

### Hidden (In Stile) Tilt Rod

| Slat Size | Qty of slats |
|-----------|--------------|
| 64mm      | 20           |
| 76mm      | 17           |
| 89mm      | 14           |
| 114mm     | 11           |

# Shutter Glossary

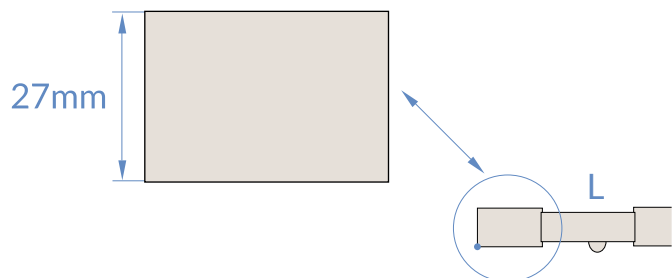
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## Stiles

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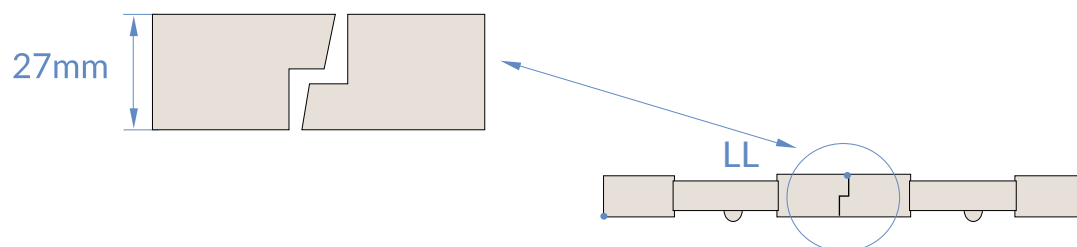
### Butt Stile

Single panels always receive a butt stile on both sides of the panel. When more than 1 panel, the side of the panel that is hinged onto the frame will always have a butt stile.



### Rabbet Stile

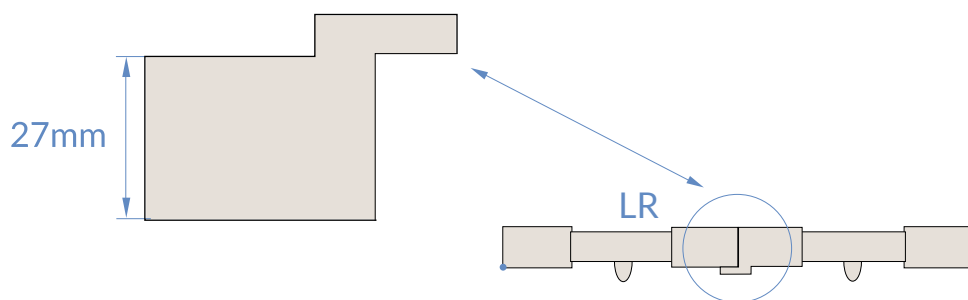
All panels (Bi-fold or Tri-fold) receive rebated stiles where there are hinges. The rebate design helps to reduce the light gap in between panels.



### Astragal Stile

All meeting panels receive an Astragal on the right opening panel as standard. This covers any light gap between meeting L/R panels. You can advise our team if you prefer to have the Astragal on the left opening panel.

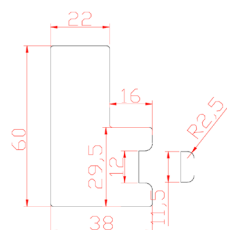
Where possible, when a panel configuration has an uneven number of panels (LLR) manufacturing will supply a second Astragal to offer symmetry to the design. However on some configurations an Astragal could restrict the panels folding so a rebated stile will be supplied.



# Frame Options

## Wood & Hybrawood

### Inside Mount -



**Plain L60mm**

Technical Drawing

### Templates in measure guide

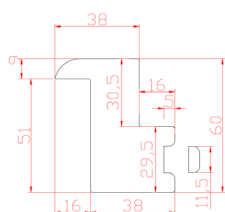


Plain L60mm

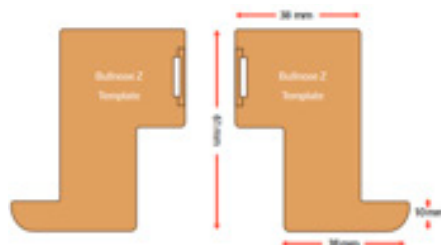
### Frame as shown in shop



Plain L60mm



Bullnose Z Frame

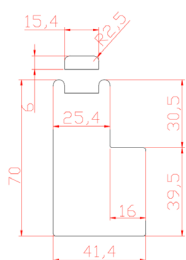


Bullnose Z Frame



Bullnose Z Frame

### Outside Mount -



**Vintage L70mm**

Technical Drawing



Vintage L70mm  
with Build outs



Vintage L70mm

Top Tip: Vintage L70mm can be supplied with a **frame build out** to allow you achieve L80mm, L90mm, L100 mm deep frame. Please add the request for a frame build out into the **special notes** in your order and advise our team on the “checking your order” phone call..

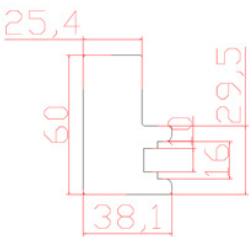
# Frame Options

## Waterproof

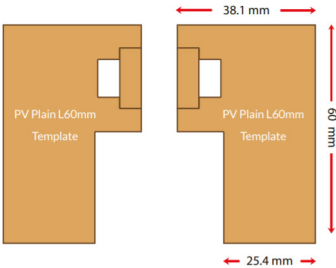
### Inside Mount -

### Templates in measure guide

### Frame as shown in shop



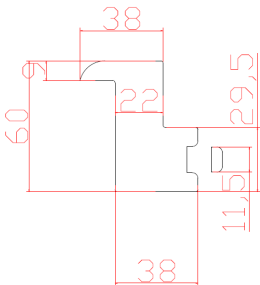
PV Plain L60mm  
Technical Drawing



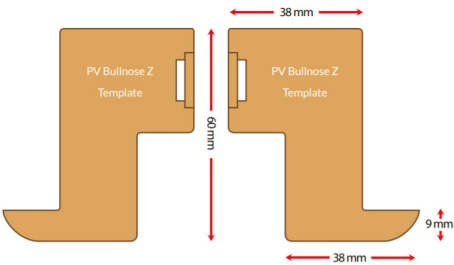
PV Plain L60mm



PV Plain L60mm



PV Bullnose Z  
Technical Drawing

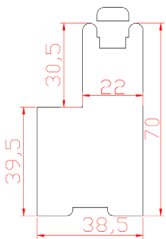


PV Bullnose Z



PV Bullnose Z

### Outside Mount -



Vintage L70mm  
Technical Drawing



PV Vintage L70mm



PV Vintage L70mm

# Panel Configuration

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When ordering, always input your panel requirements from left to right e.g. LLRR

## T Posts

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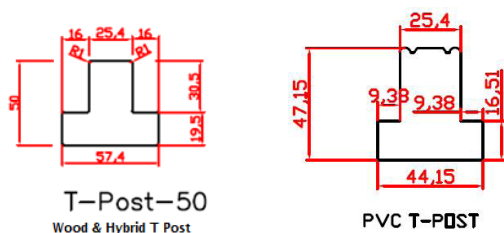
Larger windows can be divided into segments using T posts. Panels can be hinged off a T post or multiple T posts.

Always measure from left to right and your dimension should be inclusive of where your frame will be on the left side.

For 1 vertical T post - measure from left to right to the required location of a T post - an example layout would be LRTLRL.

For a 2nd vertical T post - measure again from the left to the required location of the 2nd T post. e.g. LTLRLTR.

For a horizontal T post - measure from the bottom up to the required location of the horizontal T post.



## Bay Windows

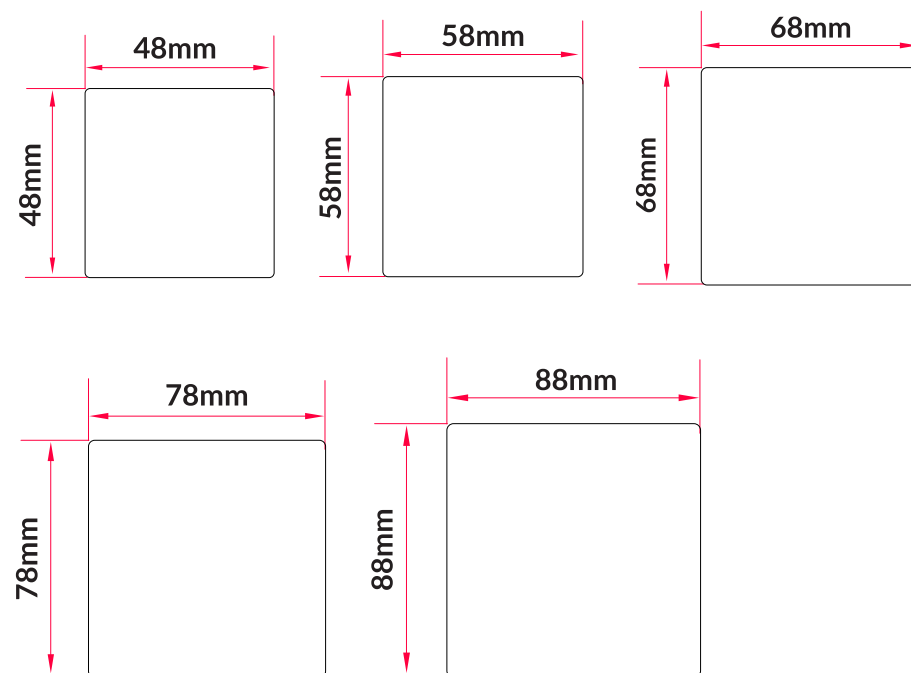
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### Individual Frames

Angled Bay windows can be fitted with individual frames.

Box Bay windows can be fitted with individual frames and square corner posts.

**Posts are available at 48mmx48mm, 58mmx58mm, 68mmx68mm, 78mmx78mm or 88mmx88mm**



## Product Limitations

|   |          |                                       |  |         |                   |        |
|---|----------|---------------------------------------|--|---------|-------------------|--------|
| Hydrawood - Panel size only - Does not include frame  |          |                                       |  |         |                   |        |
| Shutter Style   | Width    |                                       |  |         | Height            |        |
|   | Min      | Max                                   |  |         |                   |        |
|   |          |                                       | Single Hung  | Bi-Fold | Tri-Fold(3)       | Min    |
| 64mm 76mm 89mm 114mm  | 200mm    | 890mm                                 | 600mm  | N/A     | 250mm             | 2950mm |
| Paulownia Wood - Panel size only - Does not include frame   |          |                                       |  |         |                   |        |
| Shutter Style   | Width    |                                       |  |         | Height            |        |
|   | Min      | Max                                   |  |         |                   |        |
|   |          |                                       | Single Hung  | Bi-Fold | Tri-Fold(3)       | Min    |
| 64mm 76mm 89mm 114mm  | 200mm    | 890mm                                 | 660mm  | 450mm   | 250mm             | 2950mm |
| Solid Panels (shaker /raised)   | 200mm    | 660mm                                 | 660mm  | 450mm   | 250mm             | 2950mm |
| Special Shapes  | 200mm    | 890mm                                 | 660mm  | 450mm   | 250mm             | 2950mm |
| Waterproof Shutters - Panel size only - Does not include frame  |          |                                       |  |         |                   |        |
| Shutter Style   | Width    |                                       |  |         | Height            |        |
|   | Min      | Max                                   |  |         |                   |        |
|   |          |                                       | Single Hung  | Bi-Fold | Tri-Fold(3)       | Min    |
| 64mm 76mm 89mm 114mm  | 200mm    | 700mm                                 | 500mm  | N/A     | 250mm             | 2950mm |
| Control Rod - Splits  |          |                                       |  |         |                   |        |
| Control split required in <b>Clearview Rod &amp; Hidden Rod</b> if panel over 1300mm<br>Maximum Slats possible to connect together 64mm = 20 slats 76mm = 17 slats 89mm = 16 slats 114mm = 11 slats |          |                                       |  |         |                   |        |
| Mid Rails   |          |                                       |  |         |                   |        |
| Panel over 1800mm - 1st Mid Rail Required<br>Panle over 2400mm - 2nd Mid Rail Required<br>Mid Rail Size is always 76mm  |          |                                       | Mid Rail location could move up or down<br>64mm slat +/- 25mm 76mm slat +/- 31mm<br>89mm slat +/- 38mm 114mm slat +/- 50mm<br>Select <b>EXACT</b> Mid Rail location and the position will not move |         |                   |        |
| Maximum number of panels hinged from one side of frame  |          |                                       |  |         |                   |        |
| Style   | Hybra    | Wood                                  |  |         | Waterproof        |        |
| Full Height   | 2        | 3                                     |  |         | 2                 |        |
| Café  | 2        | 3                                     |  |         | 2                 |        |
| Tier on Tier  | N/A      | 3                                     |  |         | N/A               |        |
| Number of Hinges per Panel  |          | Wood T-Post                           |  |         | Waterproof T-Post |        |
| Up to - 1300mm  | 2 Hinges | <br>T-Post—50<br>Wood & Hybrid T Post |  |         | <br>PVC T-POST    |        |
| 1300mm -1800mm  | 3 Hinges |                                       |  |         |                   |        |
| 1800mm - 2500mm   | 4 Hinges |                                       |  |         |                   |        |
| 2500mm - 3000mm   | 5 Hinges |                                       |  |         |                   |        |

# Special Shape Shutters

Speciality shaped windows make a stunning addition to any room, but they can be difficult to dress. Bespoke shutters are the perfect solution. Before you design, survey and order please read through our guide so that you have a clear understanding on the special shape shutters we supply. A surcharge and slightly longer lead time applies.

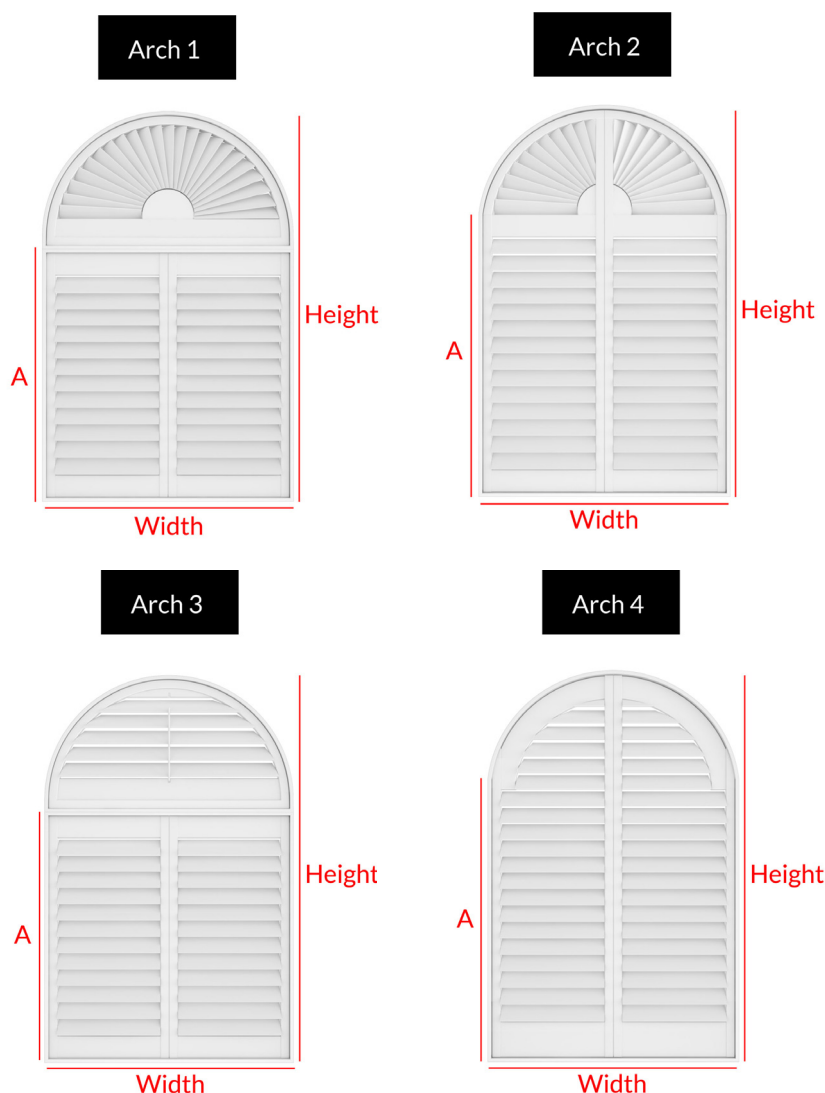
## Before you begin

1. Shapes are available in our Hardwood range only.
2. Each shape has a dedicated name. Use the 'Special Notes' box at the end of order to reference the required shape name. Include additional A, B, C measurements where guide suggests.
3. We request you upload a clear photo of your shaped window when you submit your order.
4. We will provide a detailed manufacturing drawing for you sign off before production begins.
5. Certain shapes require that slats must be operated by hand (Arch1, Arch2, Circle3, Sunburst 1, Elongated Sunburst 1)

## Let's get started.

Arches, Circles and Sunburst shapes are supplied as symmetrical. This means the left side is the same as the right side. You can confirm that your window is symmetrical if the height of the Arch is exactly half the width of the base.

*We cannot supply non perfect shapes.*



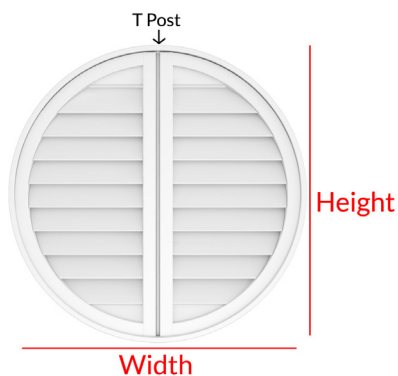
**Tip:** A is the leg height and is where the Arch shape starts to form.

Measure A on both sides and select the **smallest** A you find.

For **Height**, measure from the very centre of the width up to the highest point of arch.

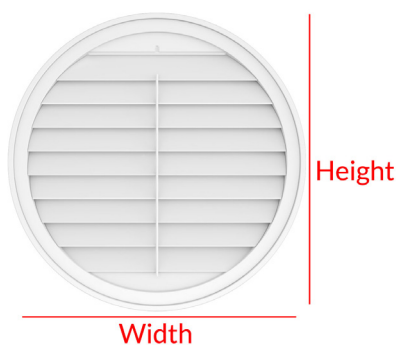
# Special Shape Shutters

Circle 1



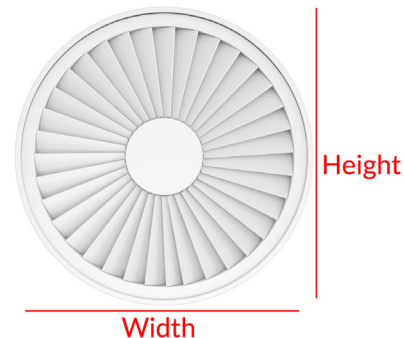
Circle 1 – 2 x panels hinge as RTL

Circle 2

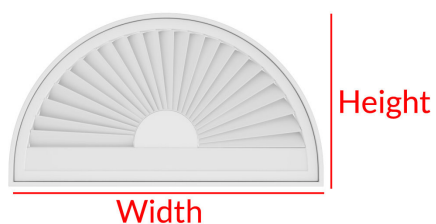


Circle 2 & Circle 3 panel is held in frame via magnets

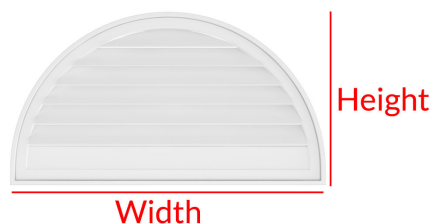
Circle 3



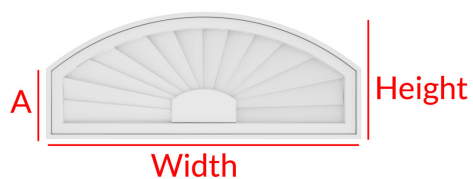
Sunburst 1



Sunburst 3

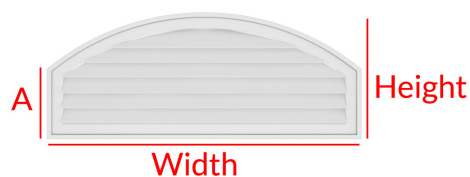


Elongated Sunburst 1



Tip – (type 1) - move slats by hand

Elongated Sunburst 3



(type3) - slats require central rod

For **Height**, measure from the **very centre of the width** up to the highest point.

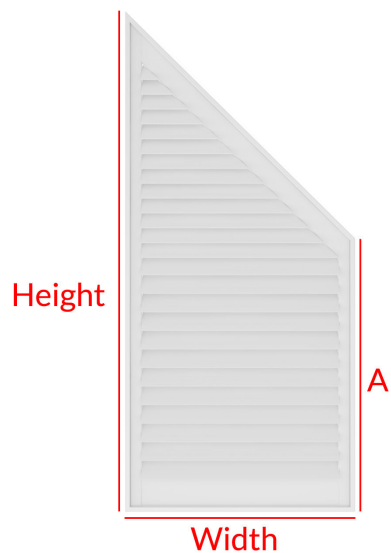
Measure **A** on both sides and select the smallest **A** dimension you find.

Sunburst panels can hinge on the bottom to open downwards.

## Special Shape Shutters

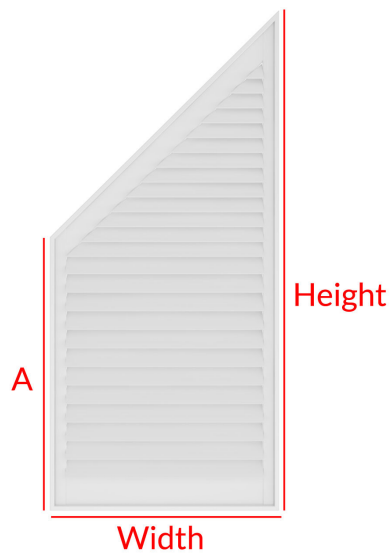
---

Tapered 1 Left



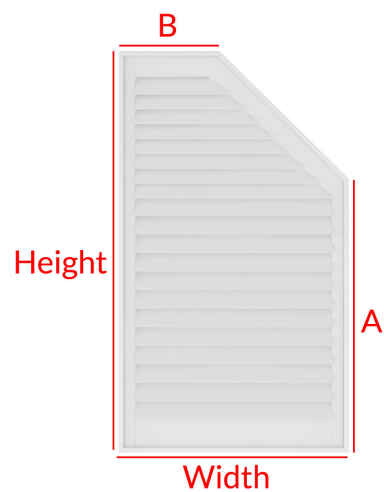
Hinge on Left

Tapered 1 Right



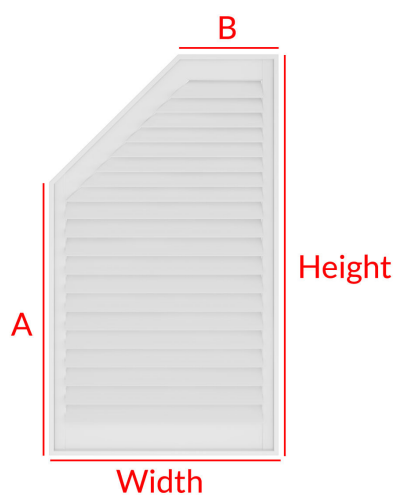
Hinge on Right

Tapered 2 Flat Top Left



Hinge on Left

Tapered 2 Flat Top Right



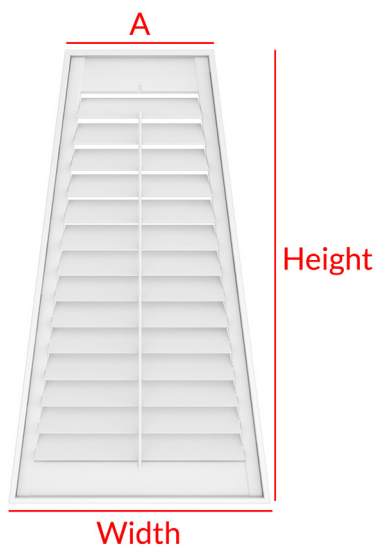
Hinge on Right

Tapered shapes need an additional measurement which is B.

## Special Shape Shutters

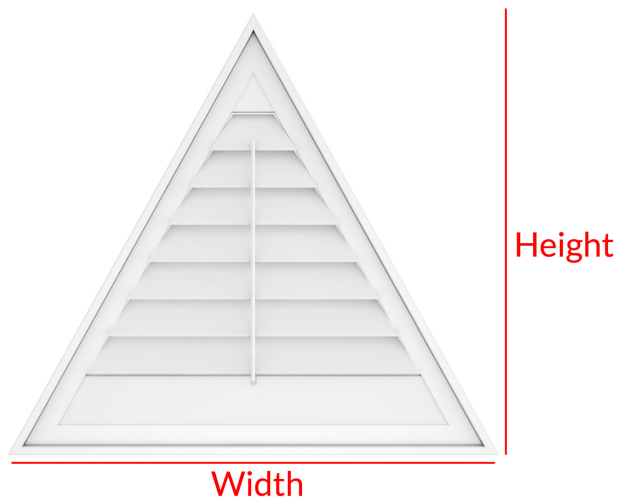
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Trapezoid 1



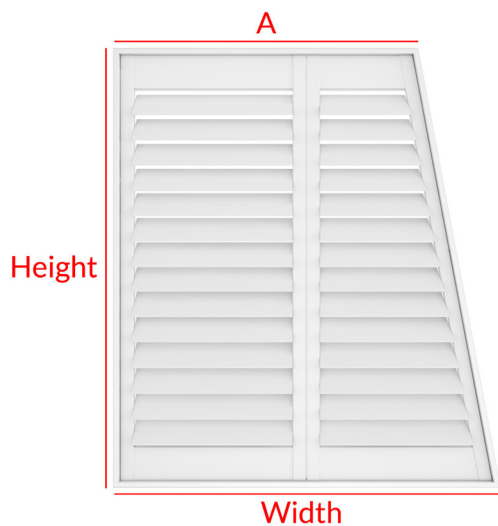
Hinge on Top

Triangle 1



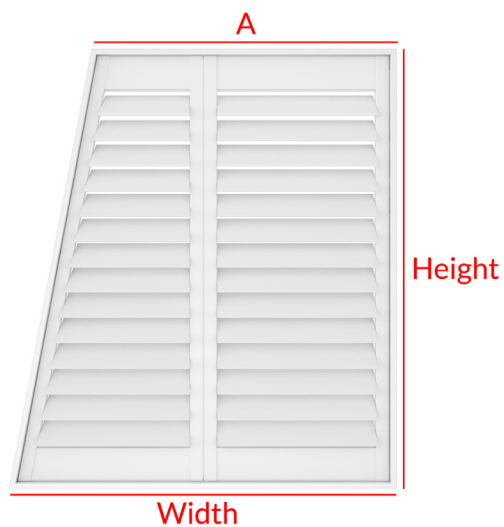
Hinge on Bottom

Trapezoid 2 Left



Hinge on Left

Trapezoid 2 Right

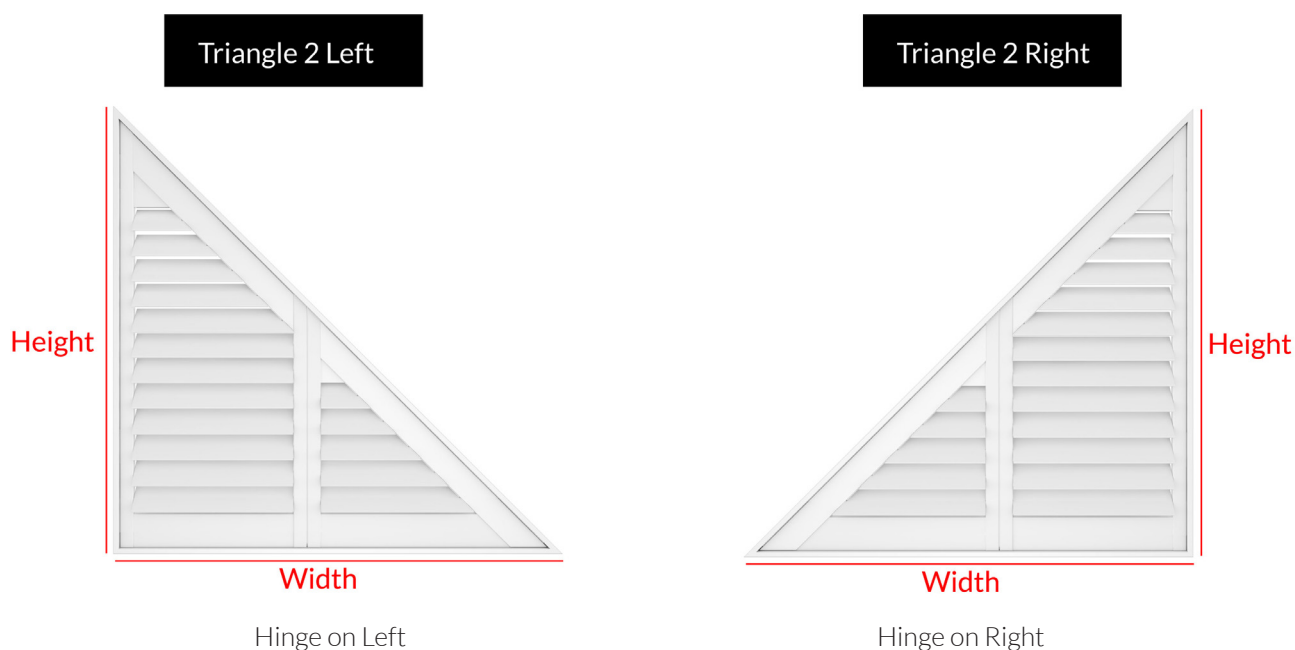


Hinge on Right

**Tip** - Adding a T post within a shaped frame is a good option when the window is very wide.  
Please discuss this with our expert team.

# Special Shape Shutters

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## Important

Depending on your window type, please also read the relevant guide for a **Recess** or **Non-Recess** window. These guides contain paper frame templates to use whilst surveying and comprehensive information on measuring.

As per these measure guides we recommend making a small deduction to your sizes for your shaped shutter frame. Deductions allow a little wiggle room during the installation.

- We offer 2 frame options for inside mounting: L frame & Z frame.
- We offer 1 frame option for outside mounting: L frame.
- Z frames can have the overhang lip removed on the bottom if you have a protruding sill. This is called a sill cut.
- L frames can request buildouts when you need a deeper frame due to your slat size or a handle obstruction.

Finally, be mindful of where you plan to position **Arch 2 & Arch 4**. Arch top panels must be able to move freely without catching on the top of any recess or sloped ceiling. Often fitting the frame for Arch top panels at the front of the recess is best. Alternatively **Arch 1** and **Arch 3** can work better if you prefer to fit your shutter tight to window within a recess because the Arch sunburst section opens down.

Our team will be happy to advise you.

# Nuts & Bolts

## Hinges



| Paint Options | Best Hinge Options           |       |               |            |                 |
|---------------|------------------------------|-------|---------------|------------|-----------------|
| Vivid White   | Vivid White or Natural White | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Traffic White | Natural White                | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Cream         | Off White                    | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Oyster White  | Off White                    | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Cream Grey    |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Grey White    |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Brown Grey    |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Signal Grey   |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Dusty Grey    |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Moss Grey     |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Traffic Grey  |                              | Brass | Antique Brass | Rub Bronze | Stainless Steel |
| Black         | Black                        | Brass | Antique Brass | Rub Bronze | Stainless Steel |

### Rule for Hinges

- Panel ≤ 1300mm = 2 hinges
- Panel 1300mm – 1800mm = 3 Hinges
- Panel 1800mm – 2500mm = 4 Hinges
- Panel 2500mm – 3000mm = 5 Hinges



### Hinge Placement

From the end of a panel to the middle of the 1st hinge will always be 138mm

### Slimline Hinge



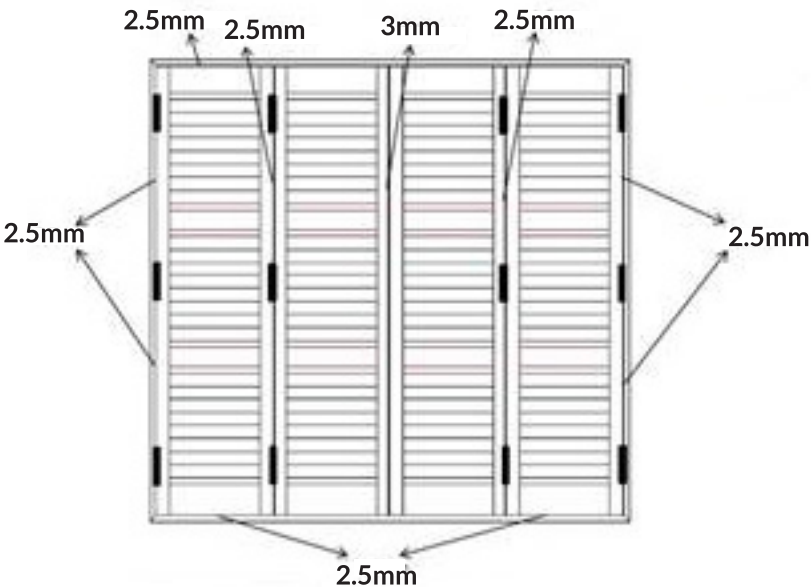
Slimline hinges are used between rebated stiles. These are available in all hinge colours.

### Flat Hinge



Used on Butt and Astragal Stiles

### Gaps for Hinges & Clearance



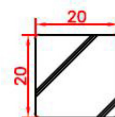
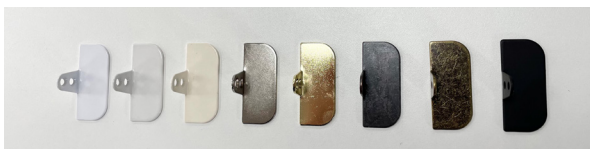
# Nuts & Bolts

## Magnets

Shutters are supplied with small round magnets which are pre inserted into the back of the panel's stile. Wood & Hybrawood frames receive a round magnet strike plate which is pre fitted to the frame. The magnet plate colour will match the colour of the hinge.



Orders with a 3 sided frame will receive a separate light stop with magnet plates attached. These orders will also receive striker magnet plates in the hardware box. The fitter can choose to use either option if necessary during the installation.



Light Block



Waterproof frames receive a flat-bottom round white magnet which is pre fitted to the frame.

## Knobs

Solid shutters will have 2 x small chrome knobs supplied per line. These will not be pre fitted to the panels but supplied in the hardware box.



## Clearview Tilt Rod



The straight Clearview Rod is available for all ranges.

## Hidden Rod- Instile



Available for all ranges.

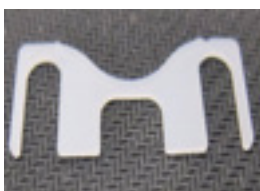
# Nuts & Bolts

## Hoffman Key



There are 2 x sizes, 27mm & 36mm. These plastic keys are pre inserted at manufacturing into both mitred ends of the top and bottom frame pieces. This allows for easy assembly of the entire shutter frame.

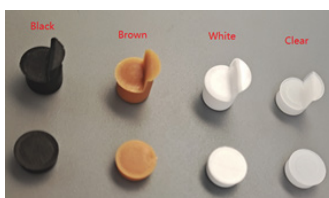
## Hinge Packer



The hardware box will contain 1 packer per hinge as per the total order.

## Tension Screw Access

Panels are supplied with the tension screw holes on the side of the panels. These holes allow access to adjust the slat tension. Insert a cross head screwdriver into both tension holes either side of the panel and twist in opposite directions.



It is standard practice to leave these holes open. If required Tension holes can be covered using the co-ordinating plastic caps provided in hardware box. Caps are shaped for Butt and Rebated holes.

## Spare Slats & Fixing

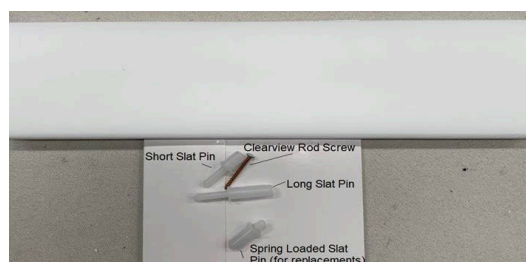
There is 1 x spare slat per line supplied in the frame box. For a single panel, the frame & panel & spare slat will be supplied together in one box. For the shutter where all panels are the same width, 1 x spare slat will be supplied. For the shutter with T-posts & panels of different widths, 1 x spare slat per panel width will be supplied.

Please see images below to understand the type of fixings that are supplied with spare slats. Replacing slats is very straight forward and our team can mail you a short video to explain how it is done.

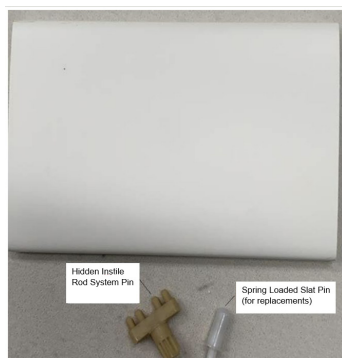
## Central & Off-set Tilt Rod



## Clearview Rod



## Hidden Instyle Rod



**Spare slats will be numbered to show which line item the slat is for**



# Nuts & Bolts

## Screws



Hinge screws will complement the hinge finish. All orders will receive **60mm** long black screws for fixing the frames. For deeper frames, holes will be countersunk. For frames that request very large buildouts, the customer may need to source longer screws.

## Frame Build Out



A frame **build out** can be requested when you need a deeper frame. Build outs are available on Hybrawood and Wood orders (not Waterproof). You can print out frame templates with your preferred build out size from our measure guides. These templates can be printed out to scale and use during your survey. When placing your order please add a note in the special notes section to confirm the build out size you require on your chosen frame.

All details will be fully discussed with you when you receive our 'Checking your Order" phone call. Any request for a frame build out will be noted in your final order details for you to sign and accept.

Should you need support with frames please feel free to speak to our expert team before you start to survey or place your order.

## Frame Holes

Manufacturing will supply fixing holes (inside insert strip frames) if your order selects (yes) for pre-drilled holes. Frame holes are supplied every 600mm. The first hole starts @ 100mm from the inside tip of the end of the frame.

## Frame ID Stamps



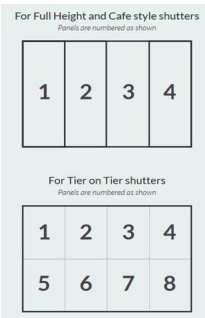
The frame ID will show either T, B, L, R to indicate the side of frame. It also shows the orders line number.

## T Posts ID Stamp



There will be a stamp to show the T post location for example this is T2 – T post location 2

## How Panels Are Numbered

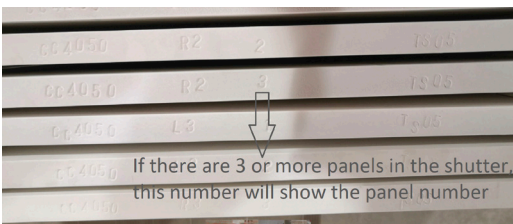
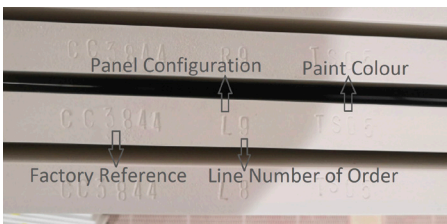


Panels are numbered 1,2,3 etc, working from left to right.

For tier on tier, the same applies with the numbers 'wrapping' down to the lower tier.

## Panel Identification

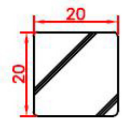
Panels will be stamped on the bottom except for tier on tier orders. For tier on tier, ID stamps are found on the top of the top tier panel and the bottom of the lower tier panels. Stained Shutters will not have the colour code stamped into the panel.



# The In's & Outs of Our Shutters

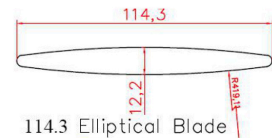
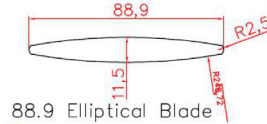
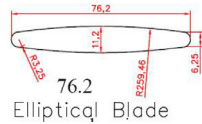
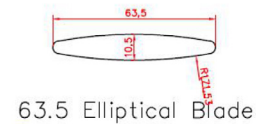
## Light Block

You may request this for shutters where you need a light block and magnet plates to work with a 3 sided frame. It is a separate component piece which is generally screwed to the windowsill or floor.

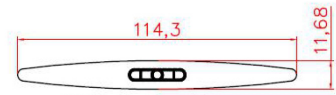
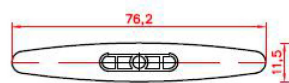
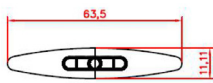


Light Block

## Wood Slat Sizes



## Hydrawood and Waterproof Ranges - Aluminium Core Strength



## Our paint

- We have moved to a NC (Nitro Cellulose) paint as an increasing number of our customers have expressed a preference for this paint type.
- All components receive 3 thin layers of white Gesso to prepare the surface for painting, then 1 layer of water based paint, 1 layer of a tough PU primer, 1 layer of NC Base Paint, and then 1 layer of Final NC paint.

## Our Paint Benefits

- NC dries much quicker vs PU
- This ensures manufacturing leads times can be fast, while not compromising quality (e.g. packing order with potentially wet paint spots)
- It meets our customers desire to be a more environmentally friendly paint finish to offer their customers
- Importantly, the environmental benefits offered by NC ensures our production can operate uninterrupted by strict Chinese Govt legislation to improve the environment

## Touch up paint



One bottle of touch up paint with 2 swabs will be provided in the frame box of item 1 of the order.

# The In's & Outs of Our Shutters

## Box Labels and The Packing System

The label confirms the content via **Goods**.

The order number is now on **Top**

| Order Number      |        |
|-------------------|--------|
| Client Reference: |        |
| Dealer Name:      |        |
| Tag/Customer:     |        |
| Item Numbur:      | 1      |
| Room:             | LOUNGE |
| Goods:            | LL     |
| Box No:           | 1 / 5  |
| Order No:         |        |

| Order Number      |        |
|-------------------|--------|
| Client Reference: |        |
| Dealer Name:      |        |
| Tag/Customer:     |        |
| Item Numbur:      | 1      |
| Room:             | LOUNGE |
| Goods:            | Frame  |
| Box No:           | 5 / 5  |
| Order No:         |        |

| Order Number      |                                     |
|-------------------|-------------------------------------|
| Client Reference: |                                     |
| Dealer Name:      |                                     |
| Tag/Customer:     |                                     |
| Item Numbur:      | 1                                   |
| Room:             | LOUNGE                              |
| Goods:            | Frame T <sub>1</sub> T <sub>2</sub> |
| Box No:           | 5 / 5                               |
| Order No:         |                                     |

The panel box label will show the panel configuration of the panels inside the box via Goods.

The frame box label will have Frame in Goods.

If there are up to 2 T-posts in the shutter, these will be included in the frame box. It will have the T-posts numbers written next to Frame.

If there are over 2 T-posts in the shutter, these will be packaged in a separate box to the frame. Please be aware that the box will still state Frame under Goods. It will have the T-post numbers written next to frame.

Battens will be packaged with the corresponding frame for each line when the number of battens is small. If there are a lot of battens, these will be packaged separately in one box. Battens will be indicated on the label by having BA written in the Goods section.



All hardware will be in the accessories box.  
The label for accessories box location is clear.



Box 1/5 means this order should have 5 boxes in total and this label is for box number 1.

## How to Measure

Visit <https://shutters.co.uk/measure> to select & print the required measure guide and our frame templates.

## How to Fit

Visit <https://shutters.co.uk/install> to select & print our installation guide.

## Key Facts Regarding Shutters

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Once surveyed, changes must not be made to the window or surrounding area. Changes could affect the fitting of bespoke shutters (e.g. wall plaster, new tap or windowsill or window handles).

Not all windows are square, so you may need to use decorators caulk or trim to ensure shutters fit 100% level in some openings.

There may be obstructions like skirting boards or dado rails which will need to be altered.

Shutters are not a blackout product and there may be small light gaps around shutters, especially with 3- sided frame installations.

Café shutters cover the lower section of the window only & usually they are fitted with a 3-sided frame with no piece of frame on the top.

Full height shutters are best fitted with 4 sided frames. Panels can have a dividing rail inserted or a split in the Clearview or Hidden rod mechanism. All options will allow separate movement of slats on top and bottom. However, a full height panel will always move as one.

Tier on tier shutters need a 4- sided frame. Tier on tier means top and bottom panels are separate and can open and function independently from each other. This design is best suited to taller or narrow windows. Wider windows are often best fitted with full height shutter panels. We can supply T posts to support wider installations.

Inward opening windows require special consideration. Window functionality could be restricted after shutters are installed, this should be explained at the point of survey. We offer Vintage L frames which can help overcome such challenges.

Items which can restrict the shutter fitting should be removed prior to installation (e.g. BT boxes, alarm boxes, curtains and poles, large furniture)

Should you require assistance please do not hesitate to contact our Customer Services team on 0800 074 7321 or you can email [hello@theshutterstore.co.uk](mailto:hello@theshutterstore.co.uk)

