



## Product & Technical Specification 2020

For Shutters sold from 25th March 2020

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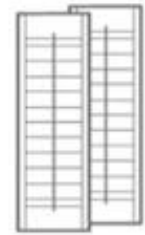
# Our Styles

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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.



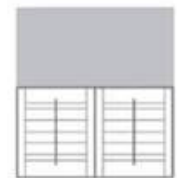
Whatever you decide please note that a full height panel will always open and close as one panel.

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. + 10% for Tier on Tier Shutters



# Our Ranges

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## 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 woods 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, its strong and will not crack or split when nails or screws are used. The Paulownia shutter has a scalloped style Clearview rod and is designed to allow slat operation without any strain on the wood slats. The range does offer all 4 rod control options. Central, Off set, Clearview and Hidden.

# Shutter Colour Options

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## Paints

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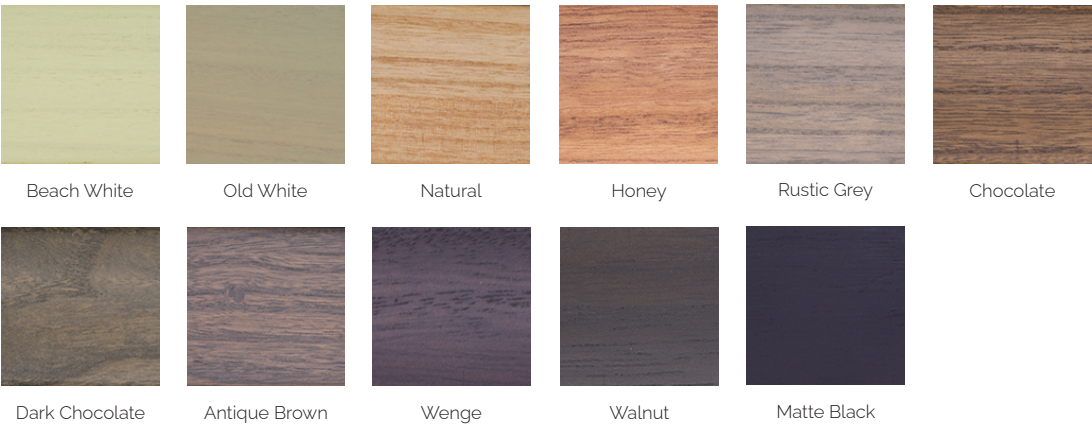
## Limewash

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## Stains

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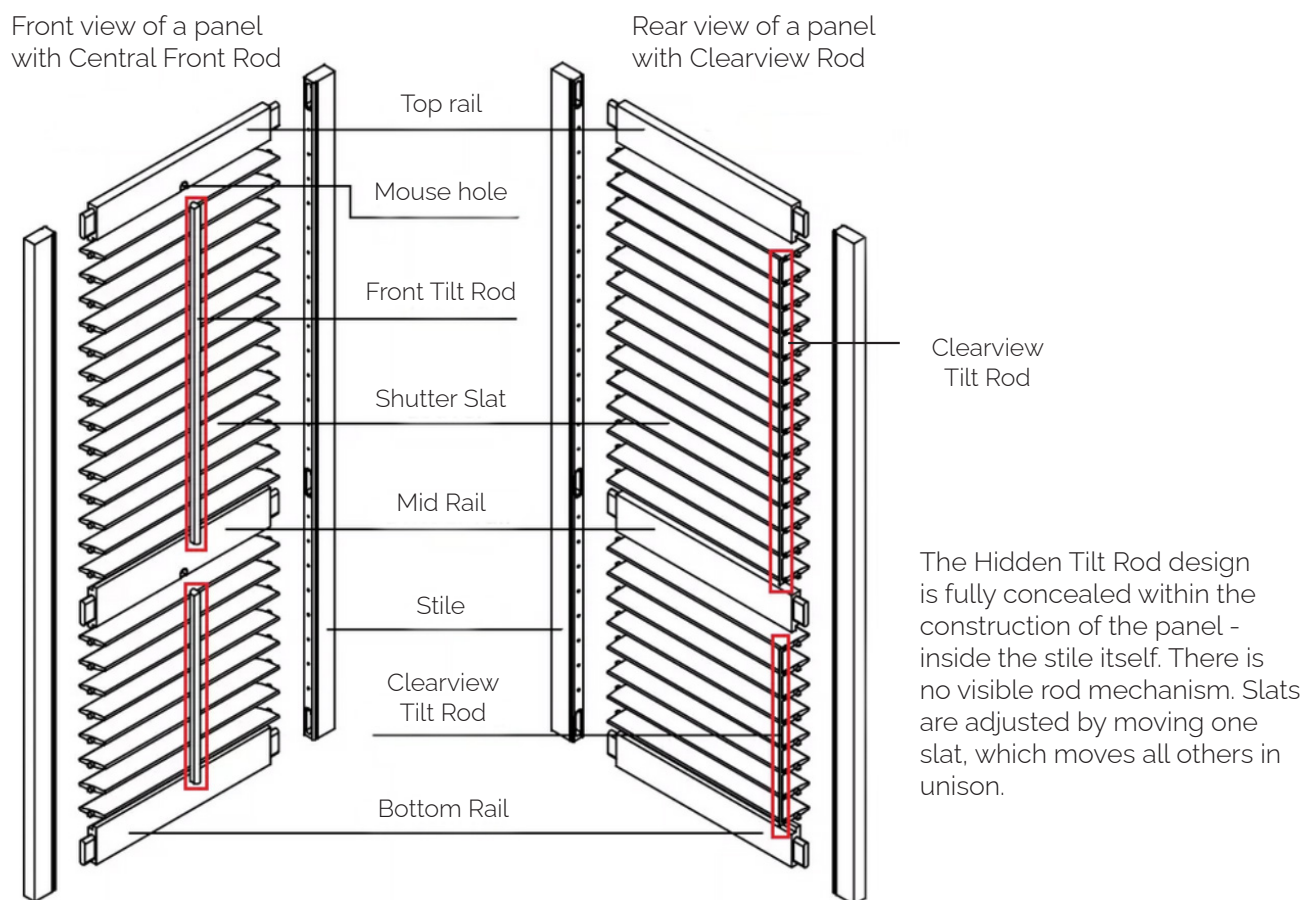


## Product Options

Painted Shutters	Stained Shutters	Limewash Shutters
Vivid White TS05	Beach White 0412	Limewash - White Grained TS40
Traffic White 9016	Old White 0411	Limewash - Fern TS30
Cream 9001	Natural 0414	Limewash - Branch TS31
Oyster White 1013	Honey 0415	Limewash - Bark TS32
Grey White 0451	Rustic Grey 0418	
Cream Grey 0452	Chocolate 0416	
Brown Grey 0453	Dark Chocolate 0417	
Signal Grey 7004	Antique Brown 0419	
Dusty Grey 7037	Wenge 0421	
Moss Grey 7003	Walnut 0420	
Traffic Grey 7043	Matte Black 0413	
Black Grey 7021		
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
<b>Slat Sizes</b> 64mm 76mm 89mm 114mm	<b>Slat Sizes</b> 64mm 76mm 89mm 114mm	<b>Slat Sizes</b> 64mm 76mm 89mm 114mm
<b>Café Full Height Tier on Tier</b>	<b>Café Full Height Tier on Tier</b>	<b>Café Full Height Tier on Tier</b>
<b>Control Rod Options</b> Central / Off set Rod Clearview / Hidden Rod	<b>Control Rod Options</b> Central / Off set Rod Clearview / Hidden Rod	<b>Control Rod Options</b> Central / Off set Rod Clearview / Hidden Rod

# 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.

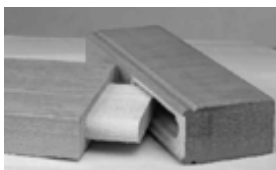
Hidden Tilt Rod - nothing visibly connects the slats. Tilt any slat and all slats move together.

# 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 66mm "tall".

### Wood 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 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

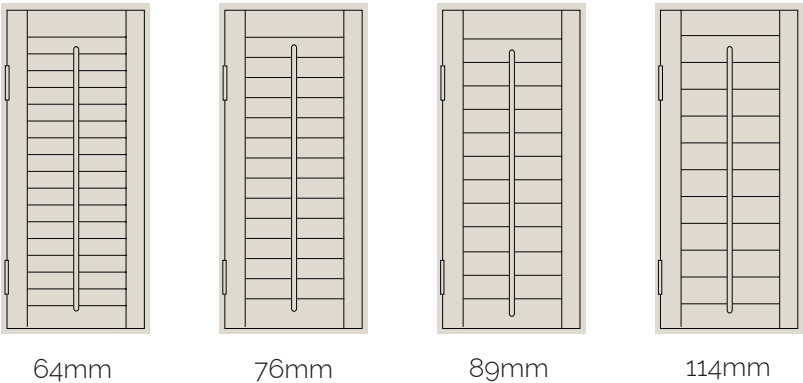
### Wood Shutters

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



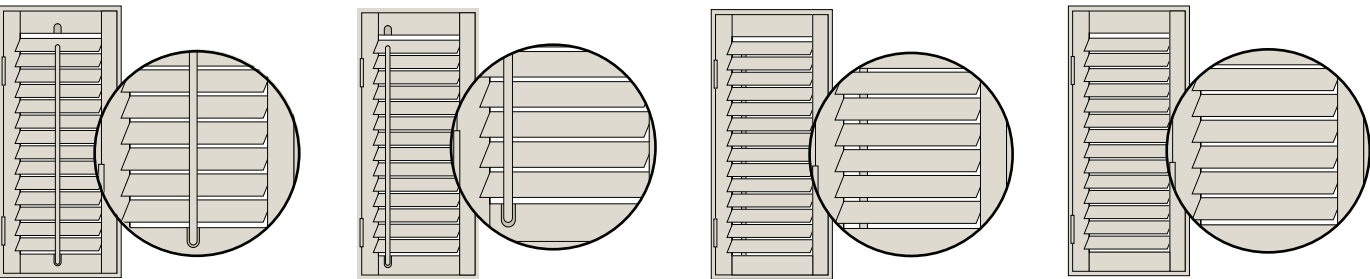
# Shutter Glossary

## 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.

## 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 ensure good slat closure.



Clearview Option for Paulownia

### Hidden (In Stile) Tilt Rod

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

# Shutter Glossary

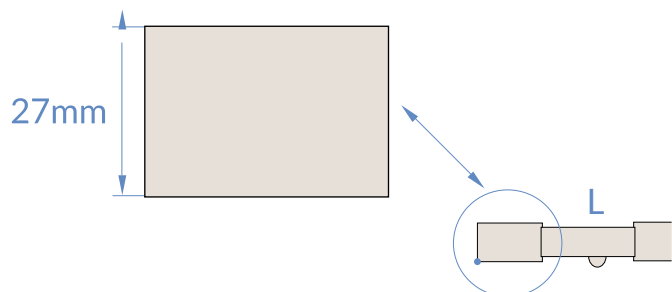
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## Stiles

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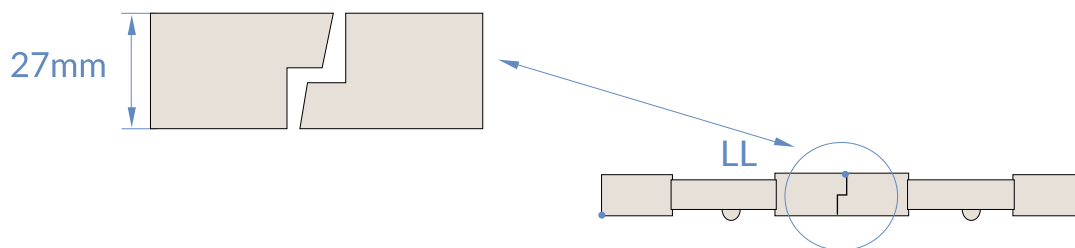
### Butt Stile

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.

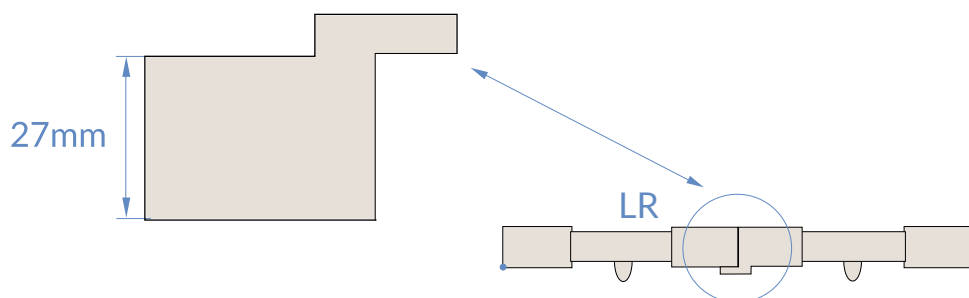


### Astragal Stile

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.

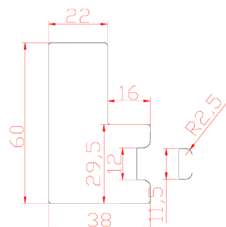
When the configuration has an uneven number of panels and where it is possible, manufacturing will supply a second Astragal to offer symmetry to the design. On some configurations an Astragal could restrict the panels opening function so please speak to our team if you need confirmation before production.



# Frame Options

## Wood

### Inside Mount -



**Plain L60mm**  
Technical Drawing

### Templates in measure guide

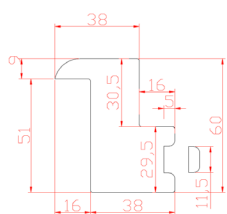


Plain L60mm

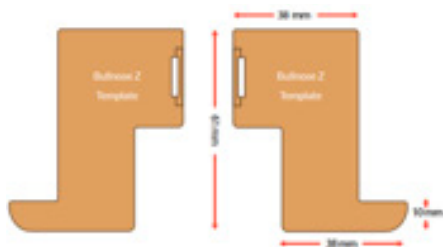
### Frame as shown in shop



Plain L60mm



Bullnose Z Frame

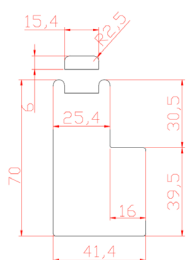


Bullnose Z Frame



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..

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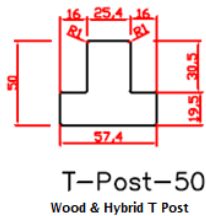
Larger windows can be divided into segments using T posts. Panels can be hinged off a T post or multiple T posts.

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. LTLRTR.

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



## Bay Windows

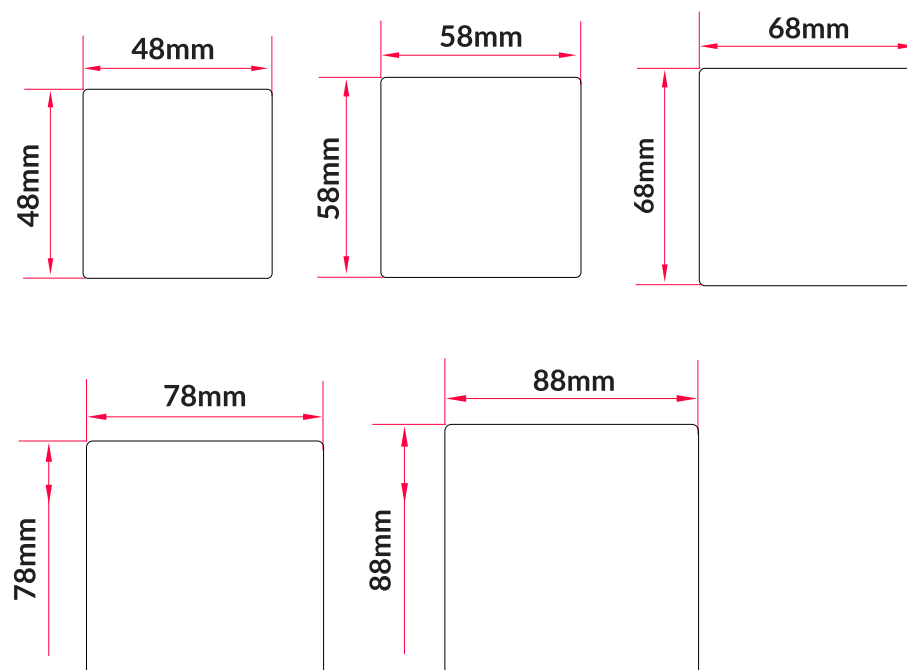
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### Individual Frames

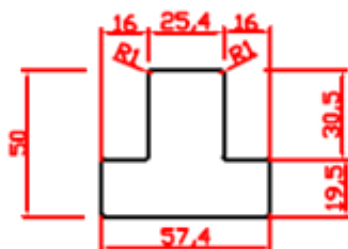
Angled Bay windows can be fitted with individual frames.

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

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
Control Rod - Splits						
Control split required in <b>Clearview Rod &amp; Hidden Rod</b> if panel over 1300mm 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 Panle over 2400mm - 2nd Mid Rail Required Mid Rail Size is always 76mm				Mid Rail location could move up or down 64mm slat +/- 25mm 76mm slat +/- 31mm 89mm slat +/- 38mm 114mm slat +/- 50mm Select <b>EXACT</b> Mid Rail location and the position will not move		
Maximum number of panels hinged from one side of frame		 <p><b>T-Post-50</b></p> <p><b>T-Post within frame is available upon request</b></p>				
Style	Wood					
Full Height	3					
Café	3					
Tier on Tier	3					
Number of Hinges per Panel						
Up to - 1300mm	2 Hinges					
1300mm -1800mm	3 Hinges					
1800mm - 2500mm	4 Hinges					
2500mm - 3000mm	5 Hinges					

# Nuts & Bolts

## Hinges



Paint Options		Best Hinge Options			
Vivid White	Vivid 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

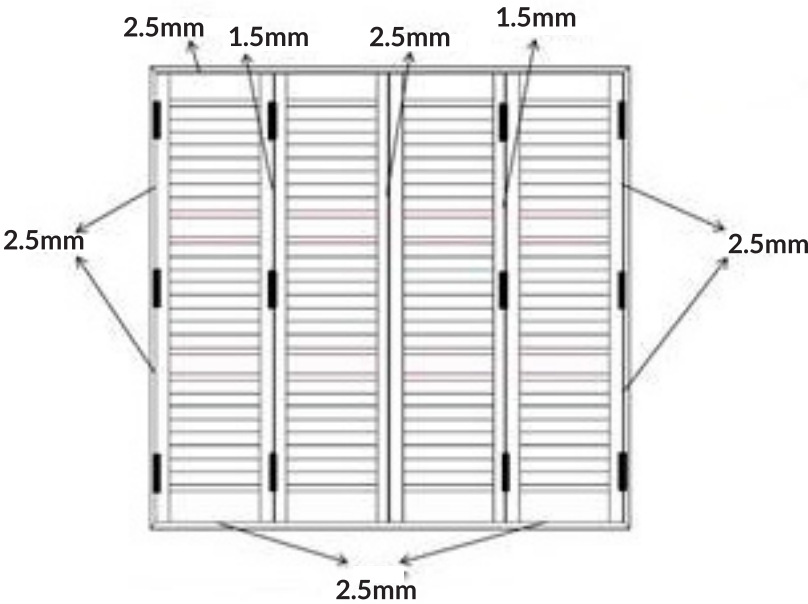
- Panel ≤ 1300mm = 2 hinges
- Panel 1300mm – 1800mm = 3 Hinges
- Panel 1800mm – 2500mm = 4 Hinges
- Panel 2500mm – 3000mm = 5 Hinges



### Hinge Placement

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

### Gaps for Hinges & Clearance



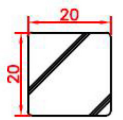
# Nuts & Bolts

## 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 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 range shutters receive a recessed magnet in the panel and an L strike plate which should be fitted to the frame on installation. The strike plate is shipped in the hardware pack to avoid transit damage.

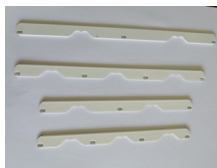


For ranges where magnets and strike plates are not attached, pre-drilled pilot holes will be provided. Supplying the magnets and plates in the hardware box ensures there is no damage to other frames during the transit.

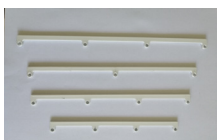
## Knobs

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

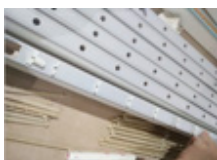


Paulownia Shutters will receive a scalloped design Clearview rod, this allows for more movement when the slats open /close so as not to place strain on the wood.



Hybrawood, Basswood, Ash wood & PV will receive a straight design Clearview rod.

## Hidden Rod- Instile



Available for all ranges.

# Nuts & Bolts

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## Tension Screw Access

Panels are supplied with the tension screw holes on the side of the panels. This access allows the customer to easily adjust the slat tension.

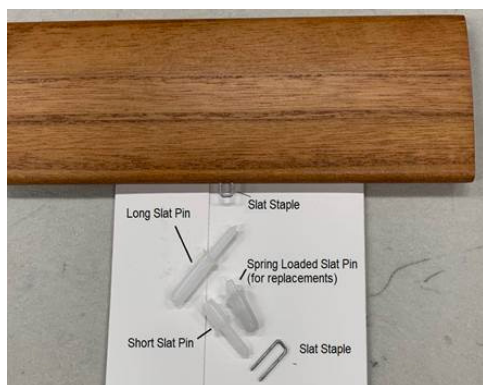
It is standard practice to leave these holes open, however some customers prefer not to see them. We can recommend Kwik Cap self-adhesive screw cover caps. Available in a range of colours they are widely available on line and in some larger DIY Home stores.

## Spare Slats & Fixing

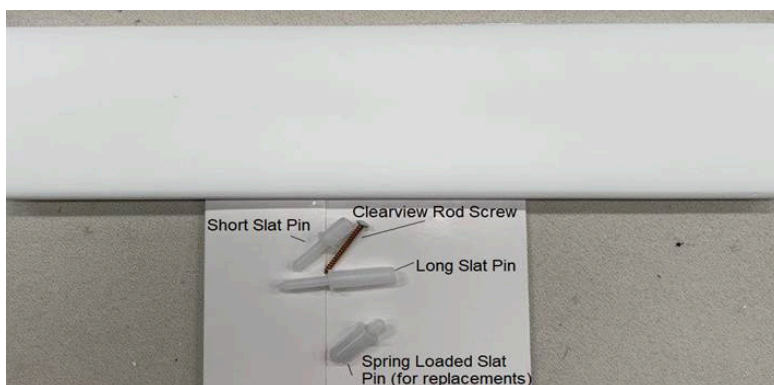
There is 1 x spare slat per line supplied in the frame box. For a single panel, the frame & panel & spare slat will be supplied together in one box. For the shutter where all panels are the same width, 1 x spare slat will be supplied. For the shutter with T-posts & panels of different widths, 1 x spare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

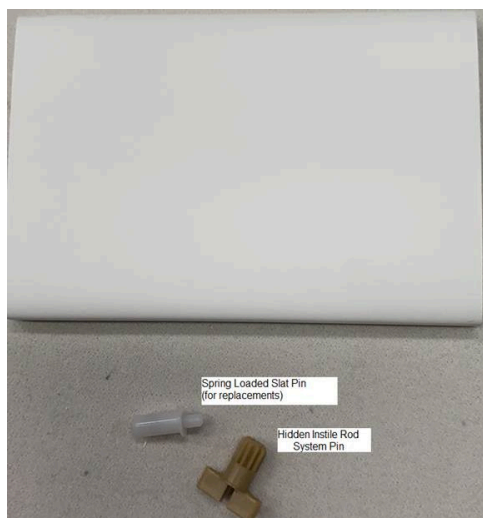
### Central & Off-set Tilt Rod



### Clearview Rod



### Hidden Instile Rod (Wood Shutters)





# 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

For Full Height and Cafe style shutters			
Panels are numbered as shown			
1	2	3	4

For Tier on Tier shutters			
Panels are numbered as shown			
1	2	3	4
5	6	7	8

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.

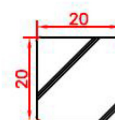
## Panel Identification

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.

# The In's & Outs of Our Shutters

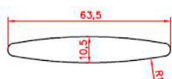
## Light Block

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.

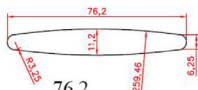


Light Block

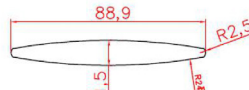
## Wood Slat Sizes



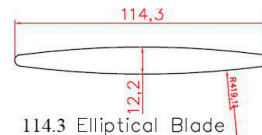
63.5 Elliptical Blade



76.2 Elliptical Blade



88.9 Elliptical Blade



114.3 Elliptical Blade

## Our paint

- We have moved to a water-based NC (Nitro Cellulose) paint as an increasing number of our customers have expressed a preference for this paint type.
- All components receive a tough PU (polyurethane) primer, finished with several layers of durable NC top coats

## 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

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## Box Labels

Panels - **Panels: RRR**

Frames - **Panels: F**

Trim/ battens /wood posts - **Panels: Timber**

## The Packing System



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

When packing a single panel, panel and frame will be packed in 1 box.

When packing 2 panels it will be packed as 2 panels in 1 box and its frame in 1 other box.

If a special shape shutter is a single panel it will pack into 1 box.

2 special shape panels will be packed in 1 box and its frame in 1 other box. If a special shape shutters frame cannot split and needs to be in one piece like an arch then they will pack the shutter frame and panel in one box.

Trim, square post, bespoke battens etc will be in the frame box unless there is too much ordered and then they will be packed in 1 separate box.

Box 1/4 means this order should have 4 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 5678 or  
you can email [hello@theshutterstore.co.uk](mailto:hello@theshutterstore.co.uk)

diy**shutters**