PACIFIC
WHOLESALE DISTRIBUTORS

Custom Made Shutter Manual Internal Applications

TIMBER eco

February 2019

Version 2019.1

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1st July 2013

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2. Charge interest on overdue accounts
3. Refuse credit

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*See Glossary and Reference Charts at the end of this manual for more detailed information

1. Introduction

Elegant and stylish, Shutters will add value to a home. They are energy efficient, helping to keep a house cooler in summer and warmer in winter. Shutters offer an uninterrupted view and allow complete control of light, heat, air and privacy by simply tilting the shutter blades.

Timber Eco Shutters have a superior paint finish for longevity and are easy to care for. Available in a large range of colours, stains and custom colours, Timber Eco Shutters will complement and enhance any interior. With a variety of blade sizes available, Timber Eco Shutters are expertly custom made to suit all window/door types, sizes and shapes. Applications include hinged, fixed, bi fold and sliding, with a large range of quality frames to choose from.

Supporting this great range are swatches and sales aids that can be used by sales people when promoting the Shutter range, please refer to Sales Aids.

Timber Eco Shutters are made of the finest selection of furniture quality, internationally certified sustainable Paulownia timber*.

- Coated with High Tensile Coatings that will not peel or crack including five shades of painted White, Black painted and Stained & Lacquered.
- A great insulator; they help to keep homes cooler in summer and warmer in winter.
- Timber Eco Shutters are moisture resistant*, therefore more suitable then standard Timbers in humid climates.
- Available in 63mm, 89mm and 114mm blade sizes

For details on Colours please refer to the Shutter Range & Mounting Methods Reference Charts

Figure 1 Flat Stile

*See Glossary and Reference Charts at the end of this manual for more detailed information

1.1 Photo Gallery of Timber Eco Shutters

*See Glossary and Reference Charts at the end of this manual for more detailed information

*See Glossary and Reference Charts at the end of this manual for more detailed information

*See Glossary and Reference Charts at the end of this manual for more detailed information

*See Glossary and Reference Charts at the end of this manual for more detailed information

2. Ordering and Measuring

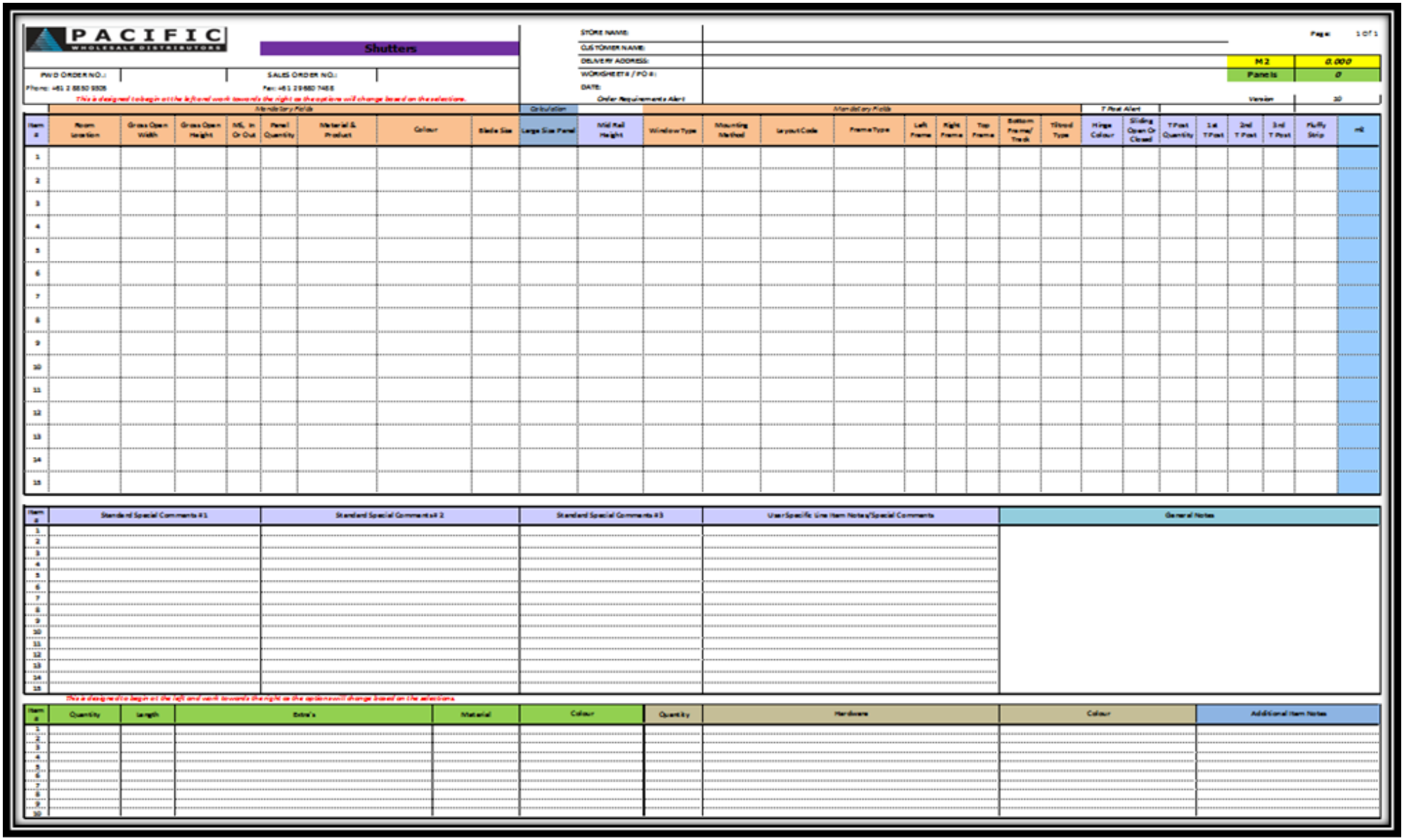
All orders **MUST** be submitted electronically in Excel by using the latest version of Pacific Wholesale's Internal Shutter Order Form.

References to the Shutter Order Form will be made throughout this manual. If you do not have the latest version of Pacific Wholesale's Shutter Order form, please contact the office shutterorders@pacificwholesale.com.au and request a copy today.

TIPS FOR FILLING OUT THE ORDER FORM

- Start from the left-hand side and work across the Order Form from left to right, as options will change according to your previous selections.
- If a cell in the order form turns yellow, this is a flag that more information is required, or that there is a problem with what has been ordered. Common issues can be:
    - Too few, or too many panels have been ordered for the width given, therefore the panels are too wide, or too narrow. Note this will not prevent an out-of-warranty size being ordered, it is a prompt only.
    - There is a Mid Rail required.
    - T Post number and positions are required.
    - The layout code given doesn't match the number of panels ordered.
    - Information is missing from the yellow cell.

Please see an example of the Pacific Wholesale Shutter Order Form on the following page.



PACIFIC
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Shutters

STORE NAME:
CUSTOMER NAME:
DELIVERY ADDRESS:
WORKSHEET # / PO #:
DATE:

Page: 1 OF 1

M2 0.000
Panels 0

PWD ORDER NO.:
SALES ORDER NO.:
Phone: +61 2 8850 9505
Fax: +61 2 9850 7455

This is designed to begin at the left and work towards the right as the options will change based on the selections.

Order Requirements Alert

Version 10

Item #	Room Location	Gross Open Width	Gross Open Height	MS, In Or Out	Panel Quantity	Material & Product	Colour	Blade Size	Large Size Panel	Mid Rail Height	Window Type	Mounting Method	Layout Code	Frame Type	Left Frame	Right Frame	Top Frame	Bottom Frame/ Track	Tilrod Type	Hinge Colour	Sliding Open Or Closed	T Post Quantity	1st T Post	2nd T Post	3rd T Post	Fluffy Strip	m2
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										

Item #	Standard Special Comments #1	Standard Special Comments # 2	Standard Special Comments #3	User Specific Line Item Notes/Special Comments	General Notes
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

This is designed to begin at the left and work towards the right as the options will change based on the selections.

Item #	Quantity	Length	Extra's	Material	Colour	Quantity	Hardware	Colour	Additional Item Notes
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

“Special Comments” are referred to frequently in this manual, please see below examples that can be selected when ordering:

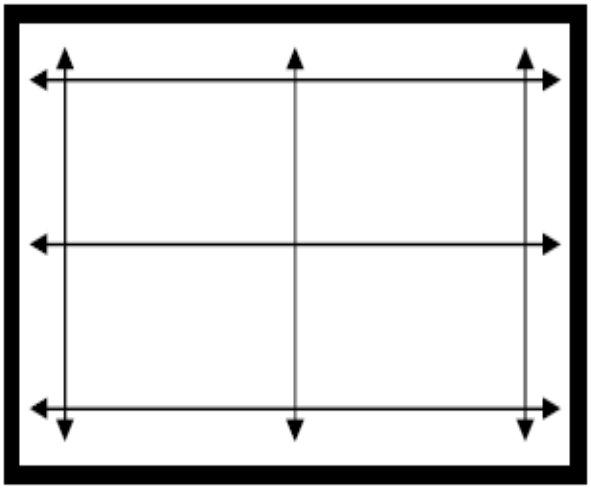
Item #	Standard Special Comments # 1
1	
2	All Even Panels
	Combo Panels
3	Critical Midrail
4	Left Panel Open First
	Maximum Blades Possible
5	Panels Fixed With Light Stop Beading
	Panels Fixed With Light Stop Beading, Front & Back
6	Panels Fixed With Magnets & Catches

Item #	Standard Special Comments # 1
1	
2	Maximum Blades Possible
	Panels Fixed With Light Stop Beading
3	Panels Fixed With Light Stop Beading, Front & Back
4	Panels Fixed With Magnets & Catches
	Smallest Possible Top & Bottom Rails
5	Split Tiltrod In Half
	Split Tiltrod In Half Above Midrail
6	Split Tiltrod In Half Below Midrail

2.1 In

Recess Fit (also called Reveal Fit)

Measuring for inside reveal (recess) fit, the shutters should be measured in three places across the width and the drop and the **smallest** measurements provided. The factory will take a deduction off each side to ensure the frame can be fitted. Measurements are required to be in millimeters (mm).

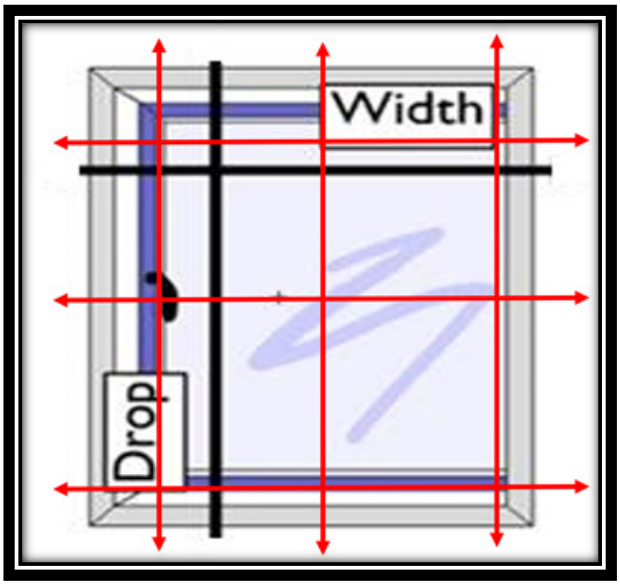


2.2 Out

Face Fit*

Measuring for outside (face) fit, the opening should be measured in three places across the width and the drop and the largest measurement provided, where the outside of the shutter frame is to be installed. No deductions are taken off the outside of the frame for OUT.

If the opening has an architrave the OUT measurements are usually from the outside of the architrave, to the outside of the opposite architrave. If there is no architrave, add the width of the frame to the recess measurement to find the outside of frame measurements.

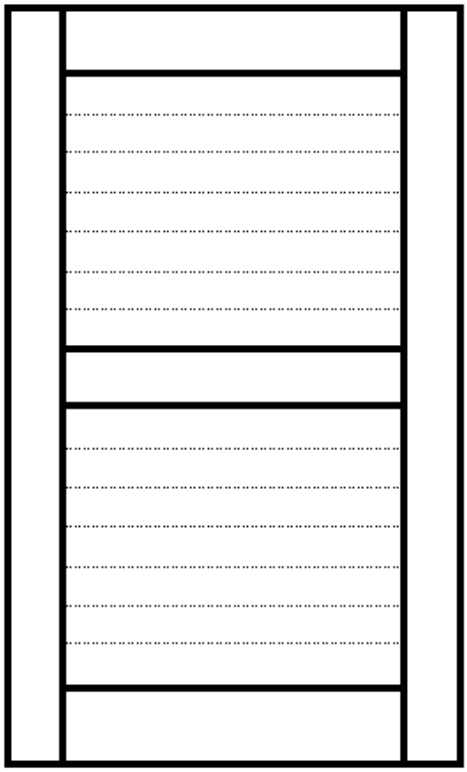


*See Glossary and Reference Charts at the end of this manual for more detailed information

2.3 MS

Make Size

1. Is the *actual* Panel Size.
2. A MS item does not usually require frames.
3. A MS order is the size given **multiplied** by the panel quantity (unlike In and Out, where the panel quantity is divided into the width).
4. When ordering MS be aware this does not allow for any deductions for Frames or the opening / application



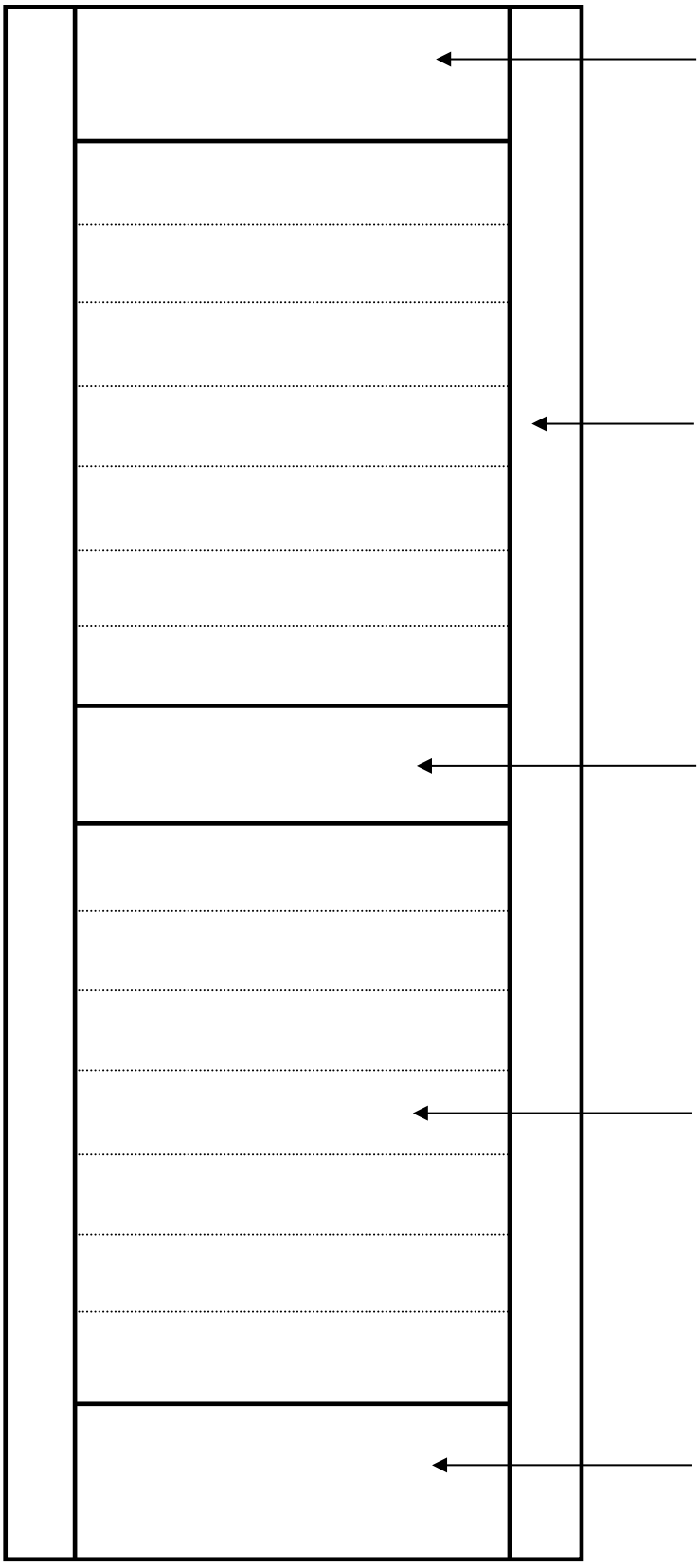
2.4 Special requirements

Please refer to Special requirements for measuring details for the following

1. Bay Windows
2. Corner Windows
3. Shaped Windows
4. Any other unusual application not covered here

3. Options and Specifications

3.1 Panel Components



TOP & BOTTOM RAIL
These make up the top and bottom of every panel to provide strength through the panel.
These differ in size depending on panel measurements.

STILES
These make up the sides of every panel. They come as either a standard stile, rabbet stile or an Astragal (D mould) stile.
New options: Flat, Beaded & 60mm available

MID RAIL
Mid Rails provide structural support for the panel and are required for panels over certain heights, if a customer specifically requests one, or if required to cover a mullion to allow the blades depth to operate.

LOUVRE BLADES
The horizontal slats within the panel which are available in a variety of sizes and types.

TOP & BOTTOM RAIL
These make up the top and bottom of every panel to provide strength through the panel.
These differ in size depending on panel measurements.

*See Glossary and Reference Charts at the end of this manual for more detailed information

3.2 Standard Panel Dimensions

Please refer to the Shutter Range Reference Chart on Shutter Range & Mounting Methods Reference Charts for Panel Dimensions – heights and widths are dependent on Mounting Methods.

3.3 Timber Eco Finishes

Painted Finishes

All paint finish Timber Eco Shutters are painted with a **lead free** polyurethane base coat. The coating process consists of five individual coats, hand sanded between each coat. This finish has been tested in Australian conditions.

The paint (primer and top coat) has been tested and the results show that this paint complies with the European Standard EN71 Part 3: 2013 + A1:2014.

Custom Colours

In addition to a range of fashionable standard colours, Custom Colours are available to be matched to any current Dulux paint colour. Please include the colour name and number in the General Comments section of the order form to select a Custom Colour* (surcharges apply).

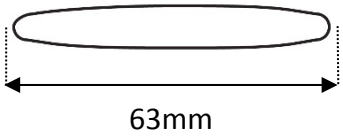
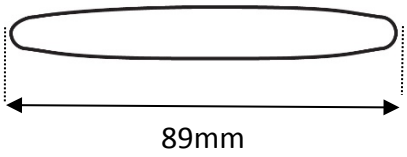
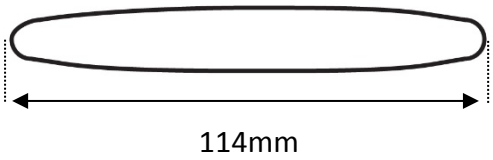
Stained - Timber Grain

Our 'Stained' colours have been tested to Australian conditions and will enhance any décor with stunning results.

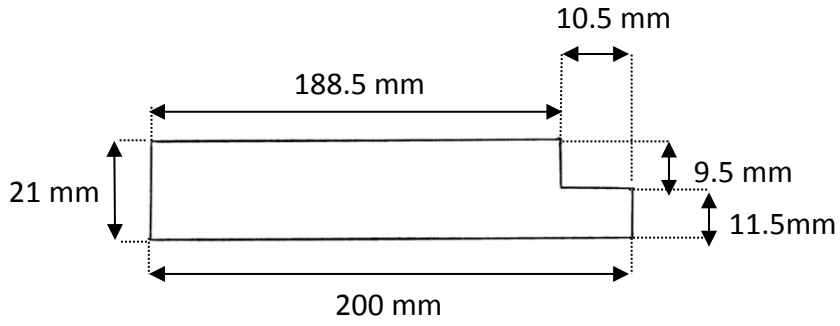
For details on Colours please refer to the Shutter Range & Mounting Methods Reference Charts

3.4 Timber Eco Blades

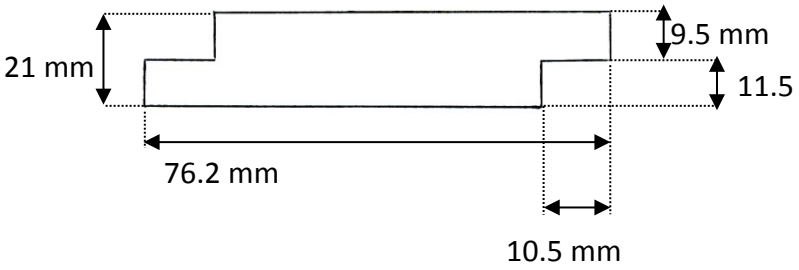
Timber Elliptical Blade, for panels up to 950mm

63mm	
89mm	
114mm	

3.5 Top and Bottom Rail (maximum size)

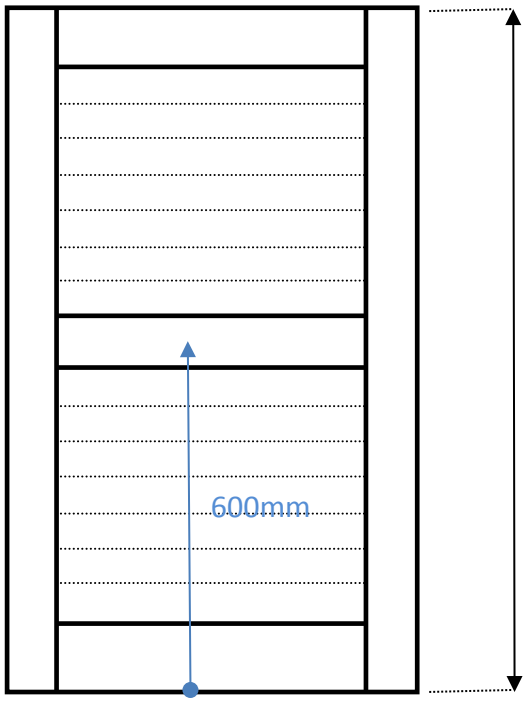


3.6 Mid Rail



Please Note:

A Mid Rail is required on panels over 1800mm. The Mid Rail location must be measured from the bottom of the opening to the **centre** of where the mid rail is required*.



Example (see arrows):

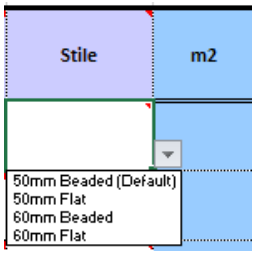
- Gross Open Height 1800mm
- Mid rail @ 600mm (Bottom of Opening to Centre of Mid Rail)

*See Glossary and Reference Charts at the end of this manual for more detailed information

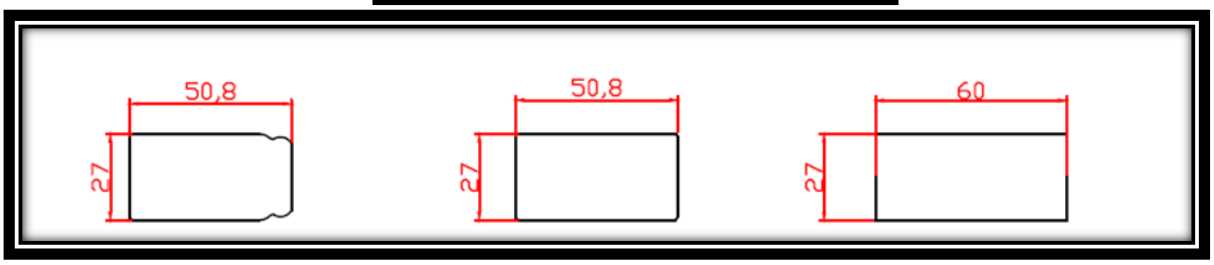
3.7 Stiles

Standard Stile

A standard shutter panel is made using a standard rectangular stile. These are available Beaded (which is the default), or Flat (no bead). This needs to be specified on the order form if default stile is not required.



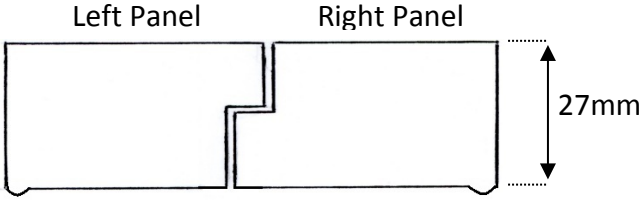
A Standard Stiles are used on the side of panels butting into Frame, T Posts, or if panels only are ordered without specific instructions.

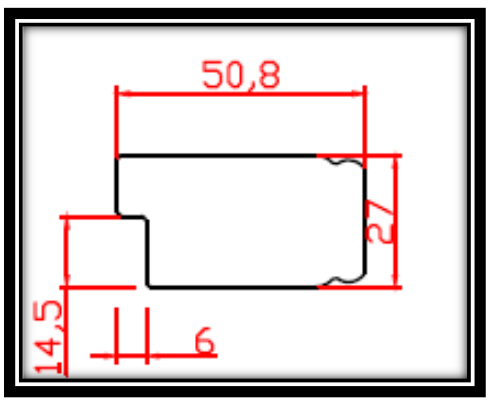


Beaded Stile (Default) **Flat Stile (Optional)** **60mm Flat Stile (beaded or flat option)**

Rabbet Stiles

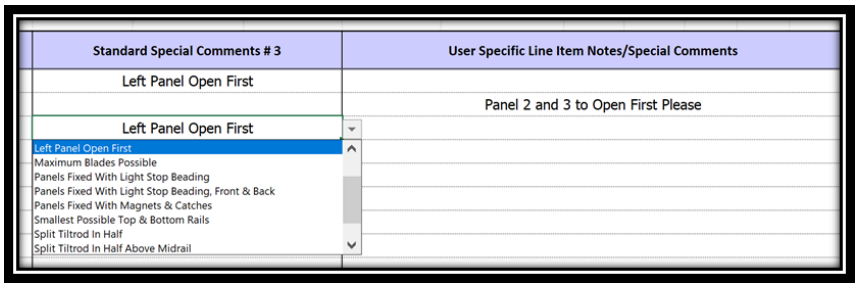
Available in Beaded (Default) or Flat Stile (Optional)



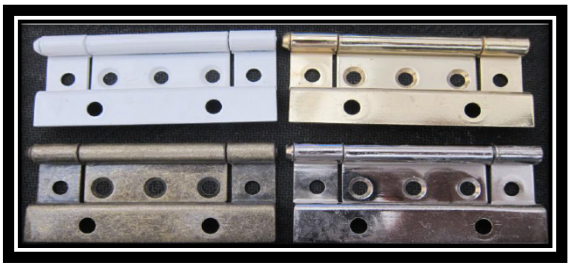


*See Glossary and Reference Charts at the end of this manual for more detailed information

Rabbet Stiles are *our default,* used to provide light block where two panels hinged Left and Right meet. Where two panels meet in the centre, the rabbet will be back, front as shown in the drawing and photo above, unless instructed otherwise on the order form*. This means that the right-hand panel will have to be opened first. Use Standard Special Comments, or Special Comments to specify other than Right Panel opening first.

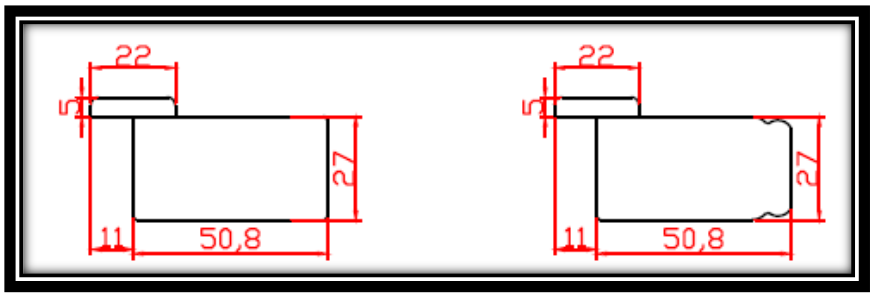


Rabbet Stiles are often used when panels are hinged to each other, using step hinges, for Bi-Fold, Double Hinged and Sliding Combo Panel shutter situations.



Astragal Stiles (D Mould)

Available in Beaded Stile (default) or Flat Stile, Astragal Stiles can be ordered when preferred, by specifying the location clearly in the Layout Code using a "D" and dash:
Example 1: L-DR
(D mould will be on Left Side of Right Panel)
Example 2: LD-R (D mould will be on Right Side of Left Panel)

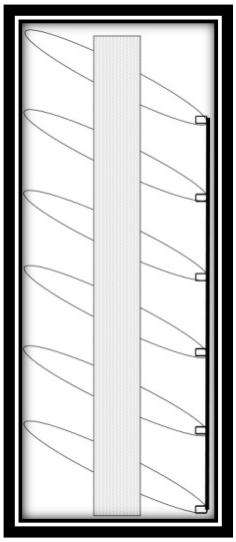


Flat Astragal Stole (Optional) **Beaded Astragal Stile (Default)**

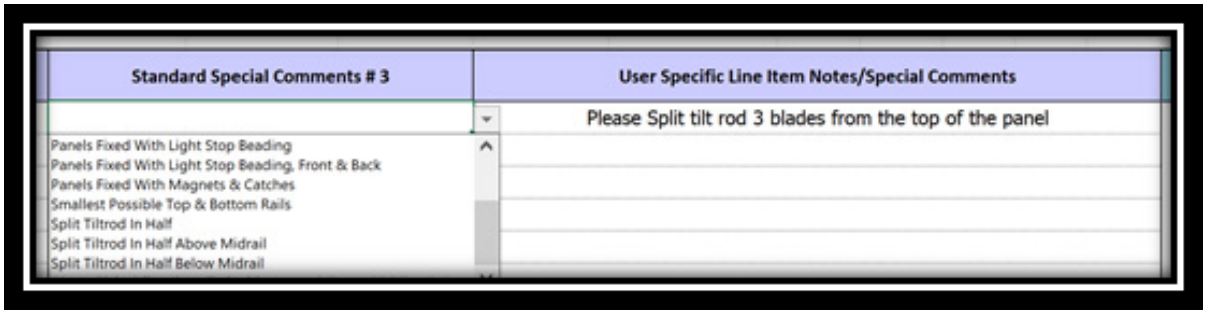
3.8 Tilt Rod

Four Tilt Rod Options:

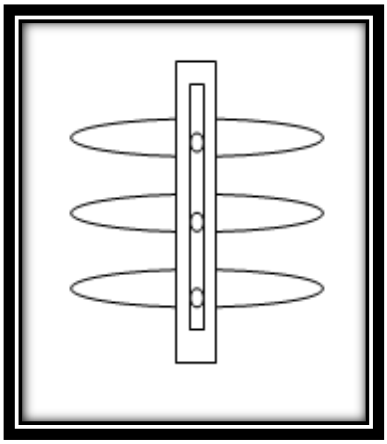
1. **Hidden Tilt Rod**
   Placed on the back of the panel, this sleek Aluminium Tilt Rod links the blades and is barely visible from the front. The stile is rebated to accommodate the colour co-ordinated hidden aluminium strip, on the back of the hinged side of the panel. This option provides an unobtrusive view through the shutters once the blades are open.



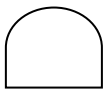
Split Tilt Rods
Each Hidden control is split in the centre after 15 blades for 63mm, 13 blades for 89mm and 11 blades for 114mm. Odd numbers of blades will have 1 blade more on the top Tiltrod. If requested, these splits can be at a specified location if required. Use the drop-down options or specify an approximate height or number of blades for the split position in the **Special Comments** on the order form.



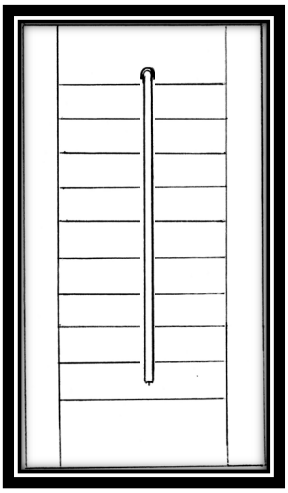
2. **Rack & Pinion (Concealed) Tilt Rod**
   Rack & Pinion Tilt has an internal gear system in which teeth interlock causing the Rack to move relative to the Pinion, connecting the rotational motion of the Louvre blades. This sophisticated tilt system is completely enclosed in the stile. Blades can be tensioned (using tension screws) and changed (with a repair pin) in the usual way. Rack and Pinion attracts a surcharge.



3. **Centre Tilt Rod**
   The Centre Tilt Rod is attached with interlocked staples, placed in the centre and front of the panel, with all blades grouped together between the Top & Bottom Rail or Divider Rail. When Bi Folding more than 2 panels, the Centre Tilt Rod is positioned 8mm off centre to allow the panels to fold onto each other without hitting the Tilt Rod.

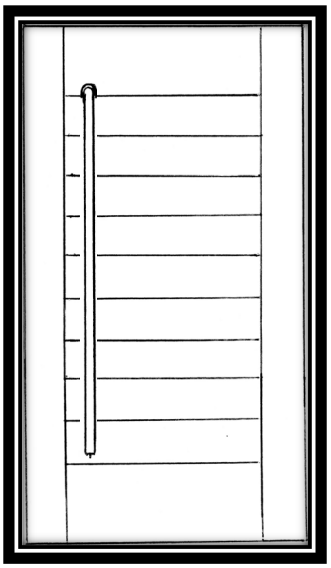


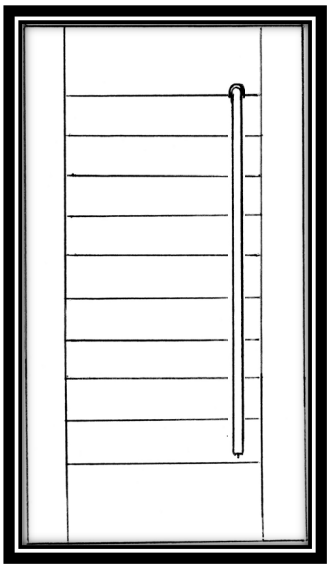
Cross Section of Centre or Offset Tilt Rod



4. **Off Set Tiltrod**

   Is the same system as the Centre Tilt Rod but is placed closer to the hinged side of the Panel. The default is 30mm in from the end of the blades. If the panel is fixed, please specify what side the Off-Set Tilt Rod is to be on.





4. Mounting Methods - Summary

4.1 Hinged Panels

Hinged Panels are the best option for most windows and are the most popular mounting method. Most commonly, frames are supplied and non-mortise hinges link the panels to the frame. Hang strips are used with L shaped hinges where no visible frame is preferred. Reveals are rarely straight enough to hinge directly to the side reveals. Pivot Hinges can be used at the top and bottom of panels, with or without Light Stops, when there is no frame required.

4.2 Double Hinged Panels

A Double Hinged Panel is where two panels are hinged together, to fold in a Bi-fold style, without using any tracking. Most commonly, frames are supplied and non-mortise hinges link the panels to the frame and to each other.

4.3 Pivot Hinged Panels

Pivot Hinges can be used at the top and bottom of Panels when there is no frame required.

4.4 Fixed Panels

We offer three Fixed mounting options, to fix panels in position so that the blades can open and close but the panels are held in place without hinges. Some panels can be removed, others are permanently fixed.

4.5 Bifold Panels

Bi Fold Panels are an ideal option for room dividers and covering a sliding door, giving the ability to fold the panels away leaving a full view of the outside world.

4.6 Sliding Panels

Sliding Panels can be used in a number of situations, but they are commonly used over sliding doors.

4.7 Photo Gallery of Mounting Methods

Hinged Panels

*See Glossary and Reference Charts at the end of this manual for more detailed information

Double Hinged Panels

*See Glossary and Reference Charts at the end of this manual for more detailed information

Fixed Removable Panels

*See Glossary and Reference Charts at the end of this manual for more detailed information

Bi Fold Panels

*See Glossary and Reference Charts at the end of this manual for more detailed information

Sliding Panels

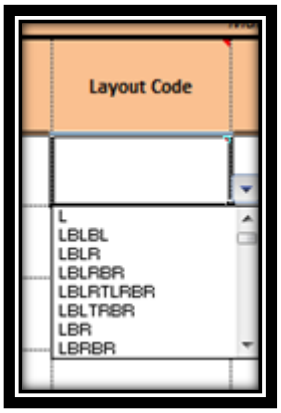
*See Glossary and Reference Charts at the end of this manual for more detailed information

5. Hinged Panels

Please refer to the Shutter Range & Mounting Methods Reference Charts for Hinged Panels minimum and maximum dimensions.

5.1 Layout Codes for Hinged Panels

When configuring the "Layout Code" for Hinged Panels, the letters below apply:

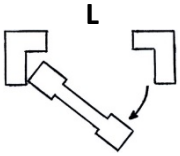


'L' - Left Hand Side Hinge
'R' - Right Hand Side Hinge
'T' - T Post (for hinging panels off)
'D' - D Mould
'B' - Bay Post (135° post used for Bay windows)
'C' - Corner Post (90° post used for Corner Windows)

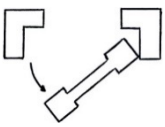
NOTE: When ordering, the Panel Quantity **must match** the Layout Code.

One Panel

L

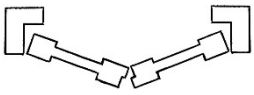


R

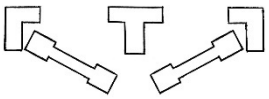


Two Panels

LR

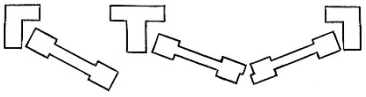


LTR

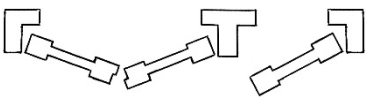


Three Panels

LTLR

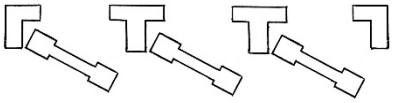


LRTR

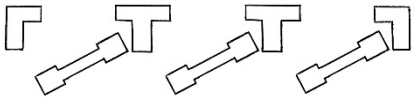


*See Glossary and Reference Charts at the end of this manual for more detailed information

LTLTL

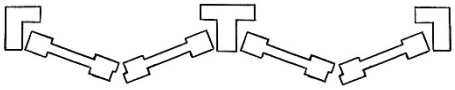


RTRTR

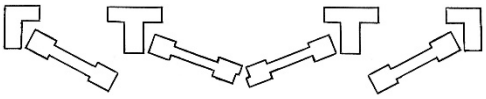


Four Panels

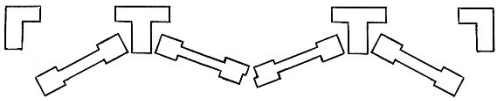
LRTLR



LTLRTR

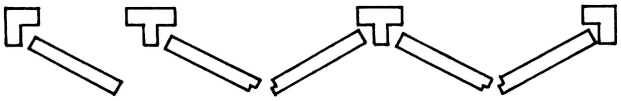


RTLRTL



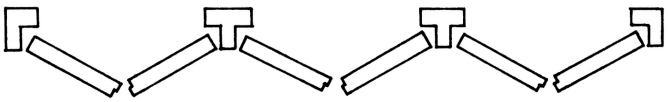
Five Panels

LTLRTLR



Six Panels

LRTLRTLR



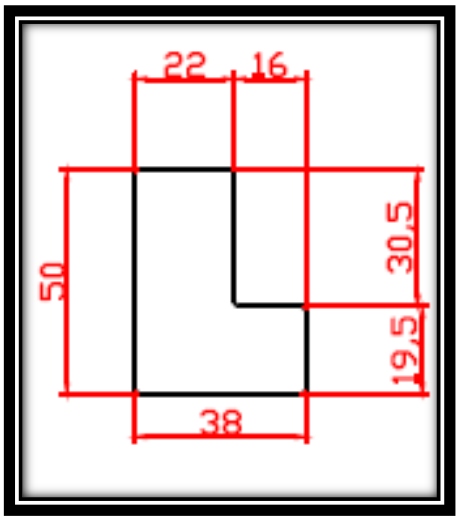
Other configurations can be used depending on:

- The number of panels required and
- The function for each opening.

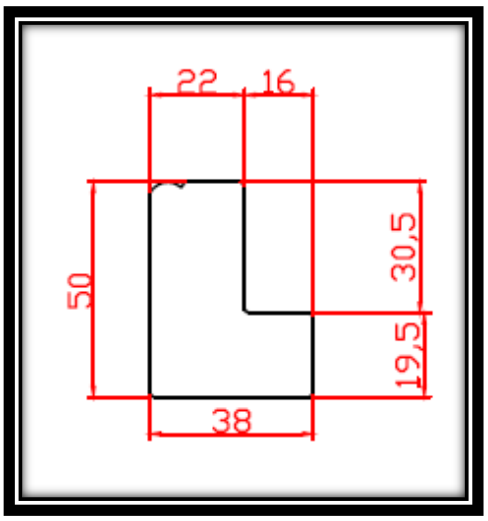
Note: In some cases, magnets can also be used to mount some or all panels, to the frame instead of hinges. This method is called Fixed with Magnets*

5.2 Framing for Hinged Panels

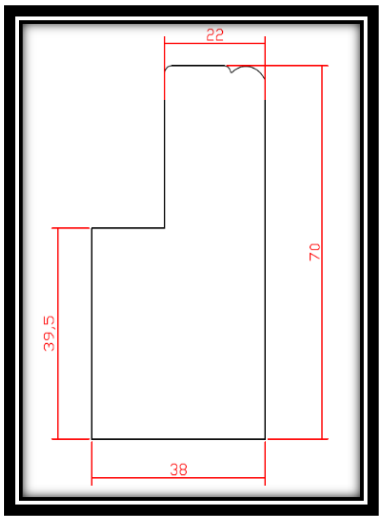
Inside Fit Framing Options



Small Flat L Frame



Small L Frame (Beaded Option)

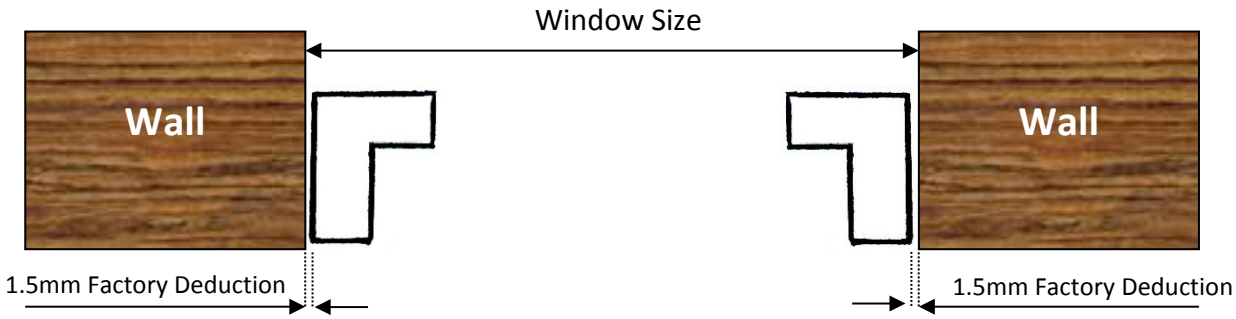


Medium/Large L Frame

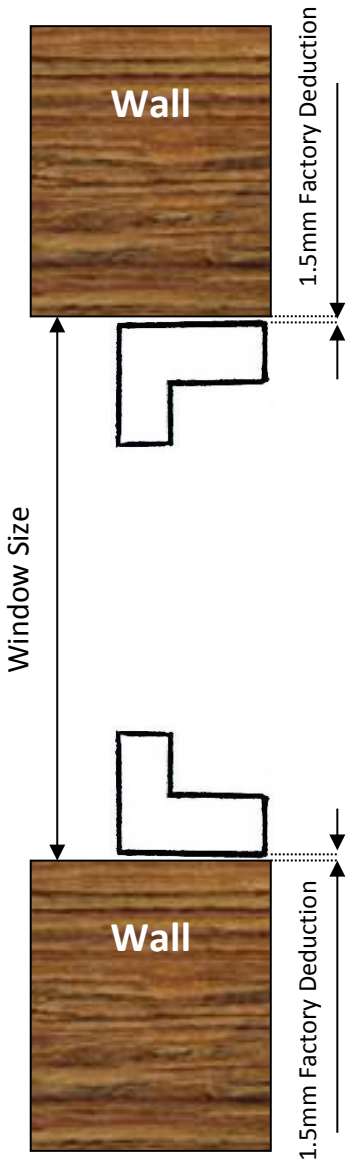
L Frame is screwed, nailed or glued to the sides and top and bottom of the reveal. It is important to pack out any framework to ensure it is square, with any gaps being filled with matching No More Gaps or a similar filler. If Small L Frame (Beaded Option) is required, please ensure correct option is selected in Frame Type. See example below;

Frame Type
Small L Frame (Beaded Option)

L Frame Inside Mount (Top View)



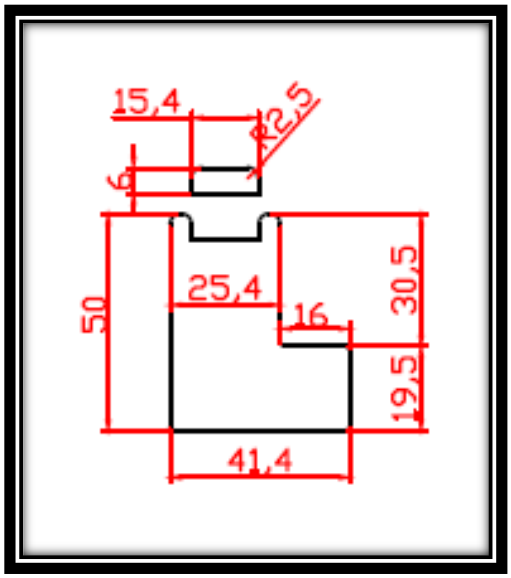
L Frame Inside Mount (Side View)



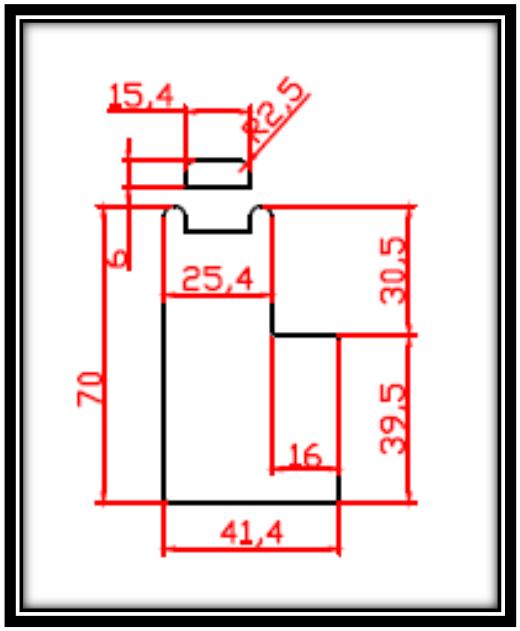
*See Glossary and Reference Charts at the end of this manual for more detailed information

Outside Mount

Frames are required for most outside fit applications; they give the ability to hang the shutter panel square in the frame, clear of any protrusions that may prevent the blades from rotating. Called Face Fit* L Frame, the Cover Strip neatly hides mounting holes and screw heads used to secure the frame.



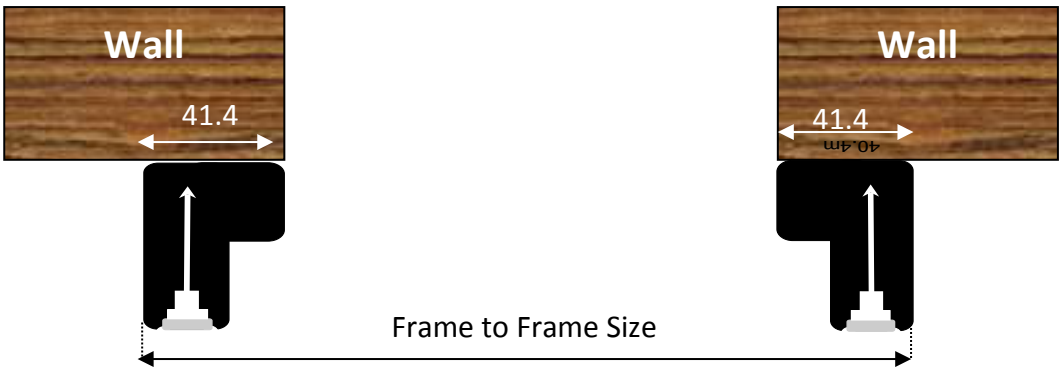
Small Face Fit (FF) L Frame



Medium Face Fit (FF) L Frame

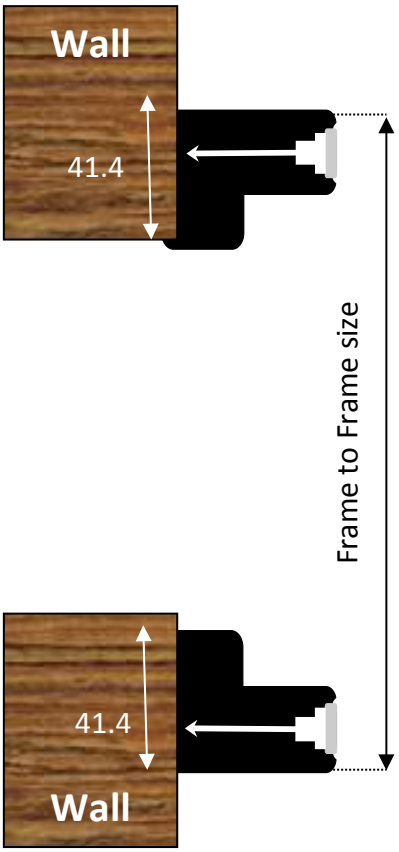
*See Glossary and Reference Charts at the end of this manual for more detailed information

L Frame Outside Mount (top view)



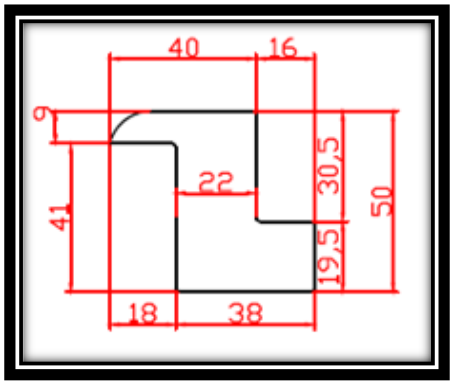
NOTE: No deductions to frame size are made for Face Fit applications.

L Frame Outside Mount (side view)

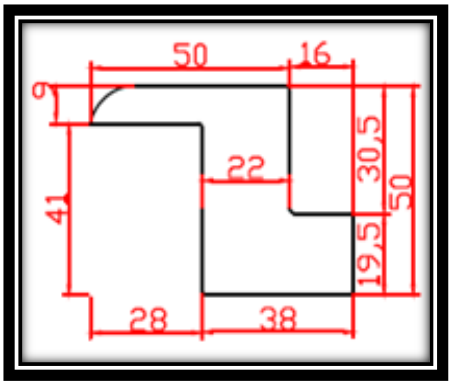


Z Frames (Reveal Fit)

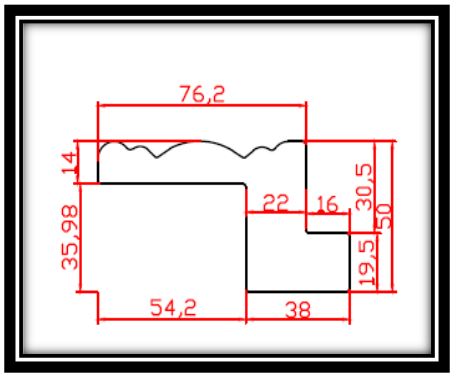
Z Frames are commonly used with and without an architrave in the opening. This frame will wrap around the reveal edge, making it ideal for covering non-square windows. Z Sill Frame can be used along with Z Frames where it's unable to wrap around the opening. For example: the bottom sits on a kitchen bench, the top goes to a bulkhead ceiling, or the side is adjacent to a perpendicular wall.



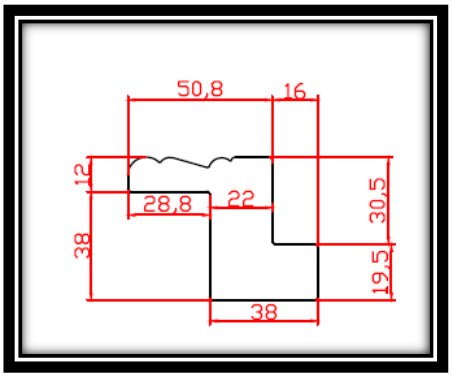
Bullnose Z Frame



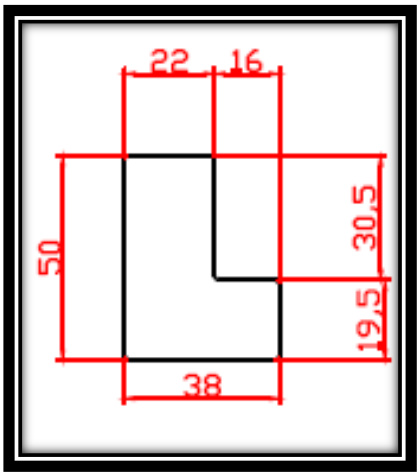
Large Bullnose Z Frame



Large Z Frame



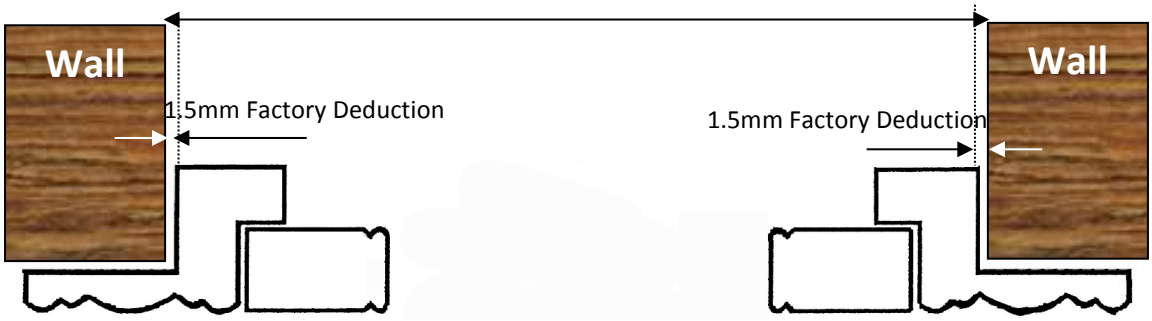
Standard Z Frame



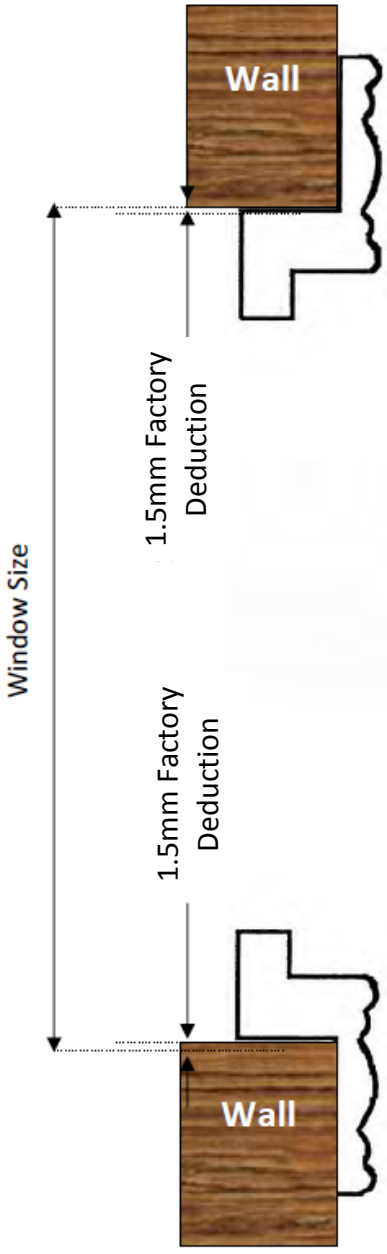
Z Sill Frame

*See Glossary and Reference Charts at the end of this manual for more detailed information

Frame (top view)



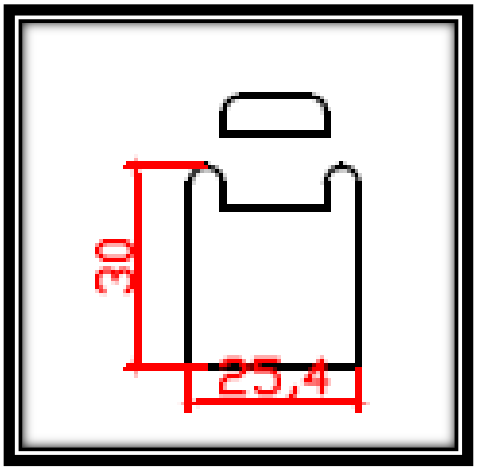
Z-Frame (side view)



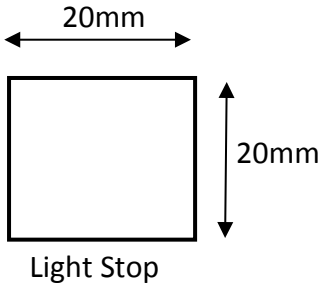
*See Glossary and Reference Charts at the end of this manual for more detailed information

5.3 Hanging Strip with Light Stop

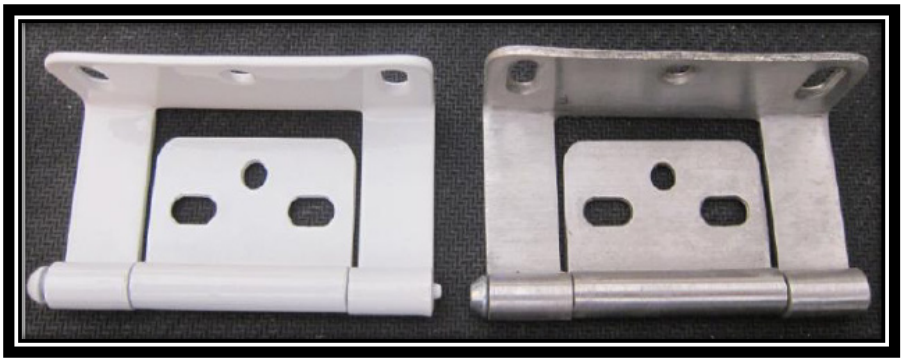
Hanging Strip* is an excellent option for Inside Mount situations if the desired aesthetic is to have no visible frames. This method is quick, easy and allows adjustment in a non-square opening.



Hanging Strip

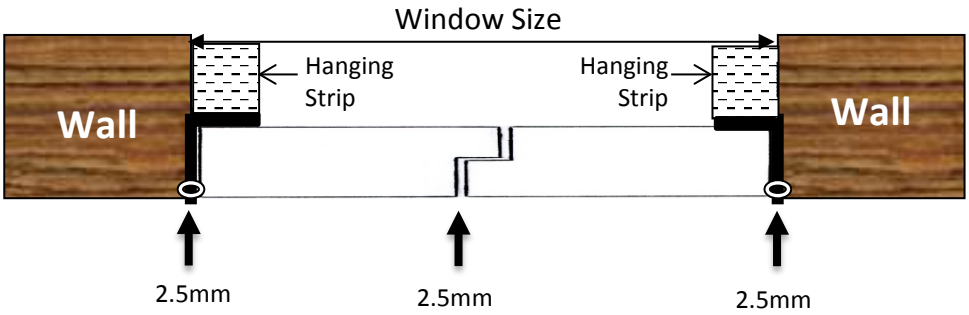


Light Stop

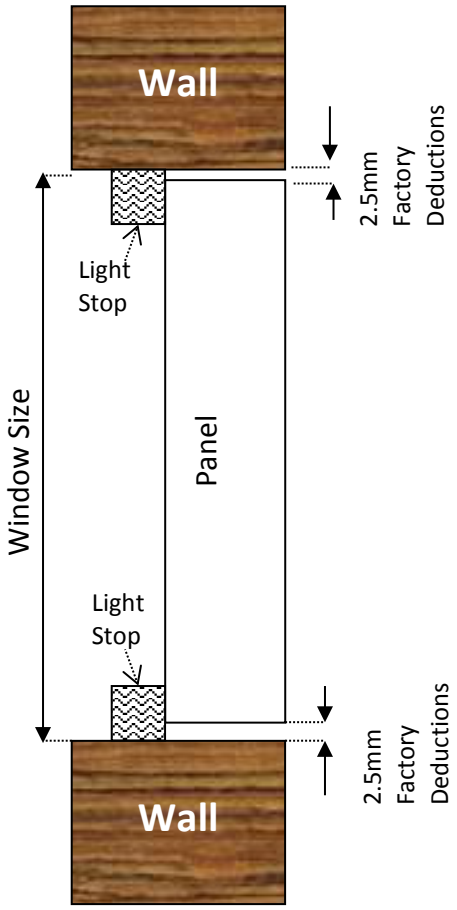


*See Glossary and Reference Charts at the end of this manual for more detailed information

Hanging Strip Inside Mount (top view)



Hanging Strip Inside Mount (side view)

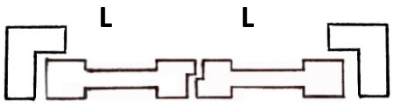


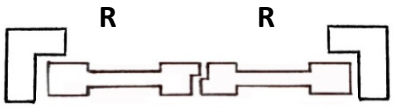
- If Light Stop is ordered it will be supplied cut to size with magnets attached.

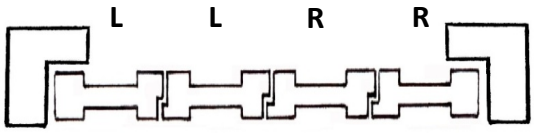
5.4 Double Hinged Panels

Double Hinged Panels enable up to 4 panels to be installed without T Posts.

Layout Codes for Double Hinged Panels

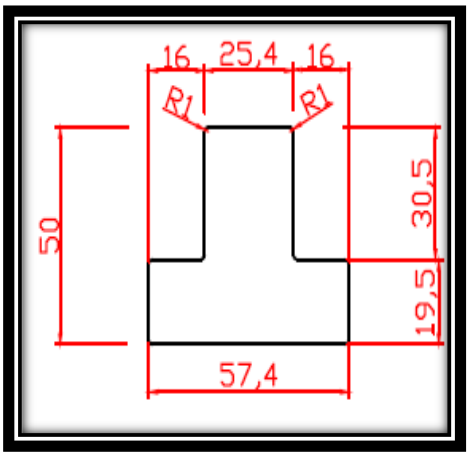




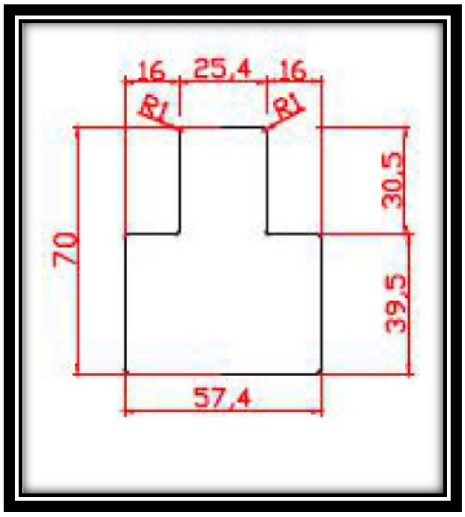


5.5 T Posts

T posts are used when more than two panels are required in an opening. Use a “T” in the layout code to show the configuration. For example, LRTLR is four panels, a left and right hinged pair of panels, either side of a single T Post. Default is a Flat 50mm T post. Beaded or 70mm T posts are available on request (use Comments section on the order form).



Flat T Post 50mm (Default)



Flat T Post 70mm (used with Medium Frame)

Example:

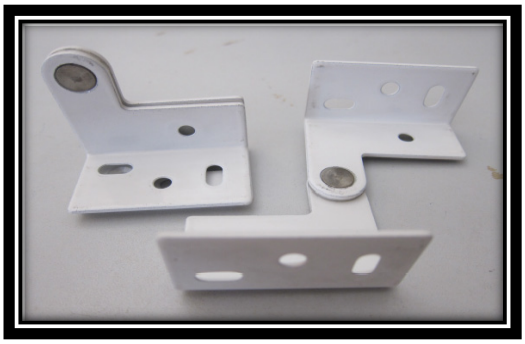
	Quantity	1st T-Post (mm)	2nd T-Post (mm)
T Posts	2	600	1800

*See Glossary and Reference Charts at the end of this manual for more detailed information

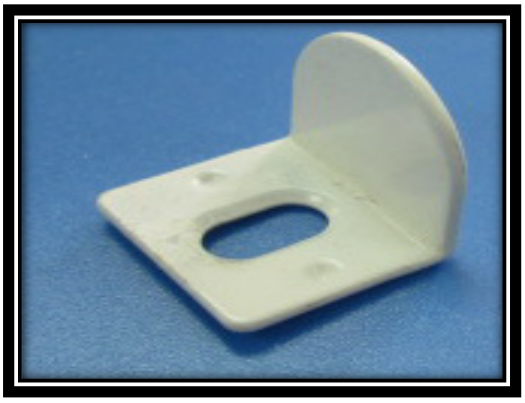
5.6 Pivot Hinged Panels

Pivot Hinges* can be used at the top & bottom of panels when no frame is required. Pivot Hinges are available in A White Powder-Coated and Stainless-Steel option, for both Reveal Fit and Face Fit (surcharges apply).

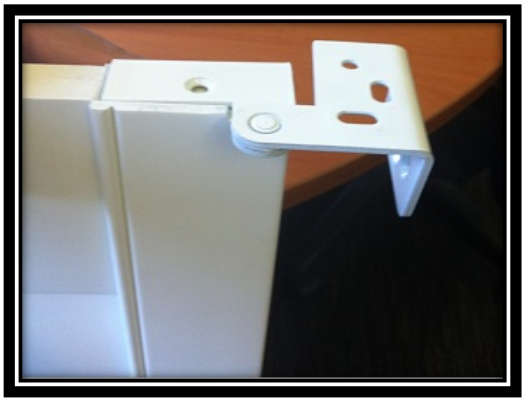
Reveal Fit Hinge



Face Fit Hinge



Magnetic Catch



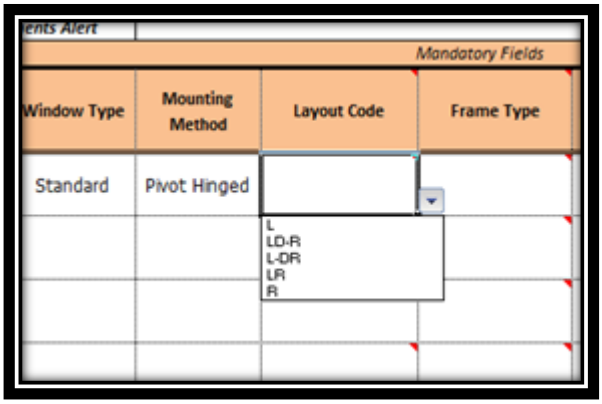
Face Fit Hinge

Layout Codes for Pivot Hinged Panels

When configuring the "Layout Code" for Pivot Hinged Panels, the letters below apply:

'L' - Left Hand Side Hinge
'R' - Right Hand Side Hinge
'D' - D Mould

NOTE: When ordering, the Panel Quantity **must match** the Layout Code.



*See Glossary and Reference Charts at the end of this manual for more detailed information

6. Fixed Panels

There are three options for Fixed Panels:

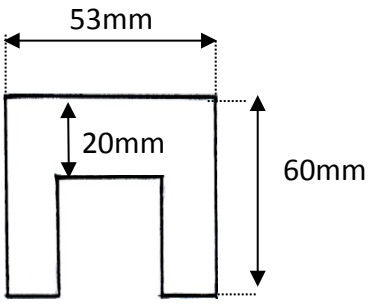
6.1 Fixed Removable Panels Using U Channels

Using a deep U Channel at the top and a shallow U Channel at the bottom, panels are lifted up into the top U channel and placed onto the bottom U Channel. They are easy to remove by simply lifting the panel up and out of the bottom U Channel.

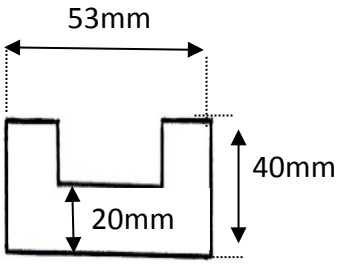
Please refer to the Shutter Range & Mounting Methods Reference Charts for Fixed Removable Panels minimum and maximum dimensions.

Length	Extra's
2	Light Stop 20mm x 5mm

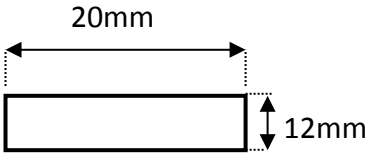
Any additional extras required **must** be noted in the **Extra's Section** of the Order Form. Please see example below;



Large U Channel
(for top)

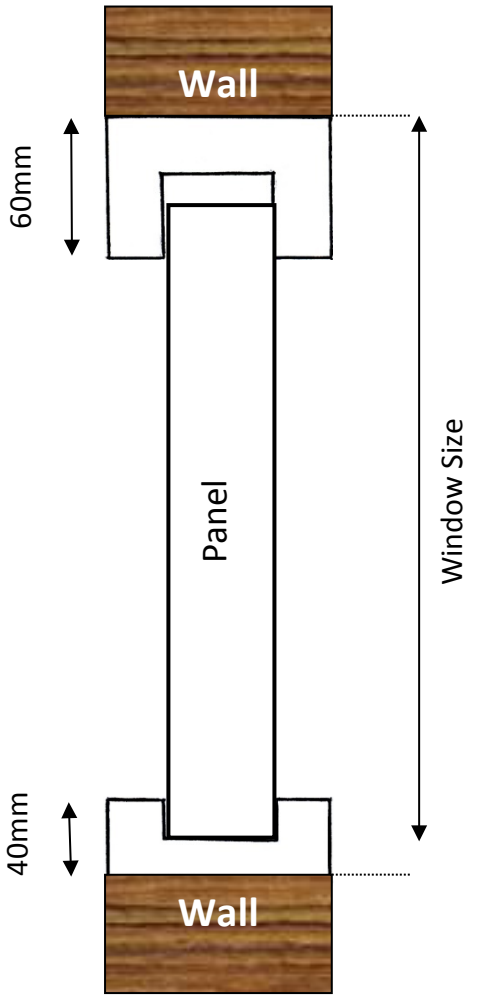


Small U Channel
(for bottom)

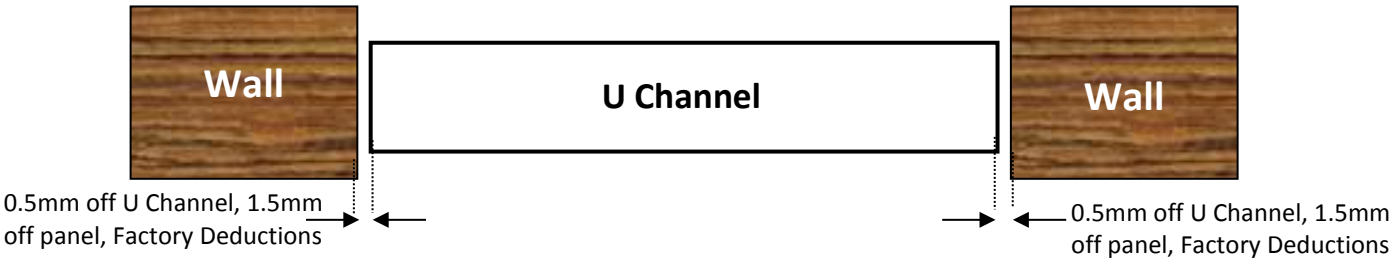


Light Stop
(for sides)

Fixed/Removable Panel (side view)



Fixed/Removable Panel (top view)



*See Glossary and Reference Charts at the end of this manual for more detailed information

6.2 Fixed Removable Panels Using Magnets

Panels Fixed with Magnets* are fit into frames identical to hinged panels, except instead of hinges, an extra set of magnets and catches are fitted. This option can be used in instances where a tap, piece of furniture or other impediment prevents hinged panels from pivoting.

6.3 Fixed with Lightstop Beading on Front & Back

Panels Fixed with Lightstop* are suitable for reveal fit only. Each item is supplied with 4 lengths of 20mm x 20mm Lightstop. Additional Lightstop for back of panels needs to be ordered in Extra's on Order Form. Lengths of Lightstop are fixed to the top, bottom and either side of the opening; then the panel(s) are placed against this Lightstop and another row of Lightstop is fixed on the opposite face, holding the panels permanently in position. These panels are not removeable, therefore are a safe option between rooms.

7. Bi Fold Panels

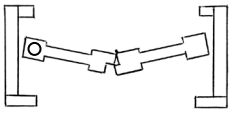
Please refer to the Shutter Range & Mounting Methods Reference Charts for Bi Fold Panels* minimum and maximum dimensions.

7.1 Layout Codes for Bi Fold Panels

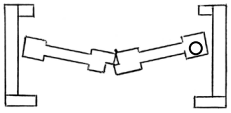
The layout codes for Bi Fold Shutters are “L” for Left and “R” for Right, to convey the specified stacking direction of the panels:

Below are some examples of Bi Fold configurations.

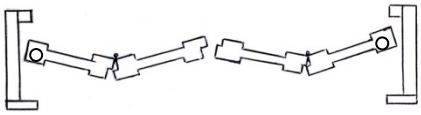
LL
Two panels stacking Left



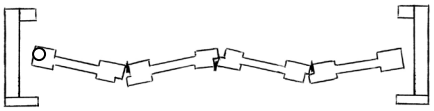
RR
Two panels stacking Right



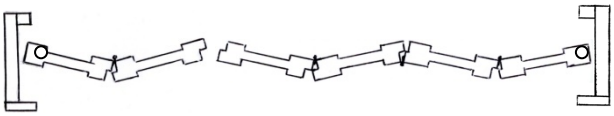
LLRR
Four panels centre opening



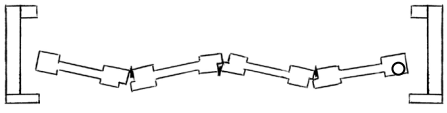
LLLL



LLRRRR

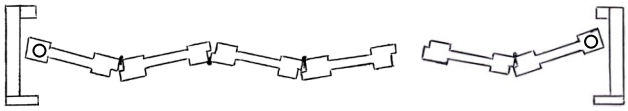


RRRR

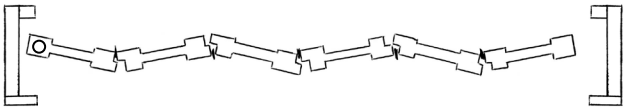


*See Glossary and Reference Charts at the end of this manual for more detailed information

LLLLRR



LLLLLL



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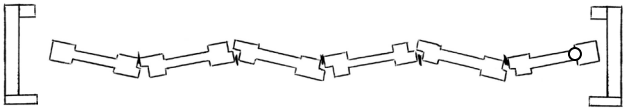

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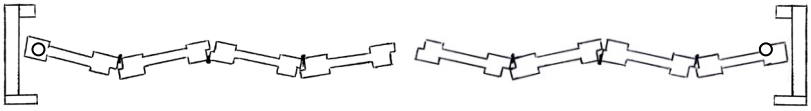

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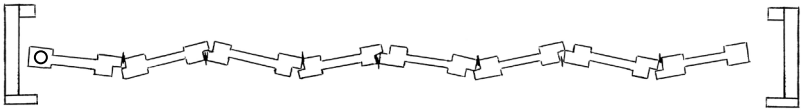

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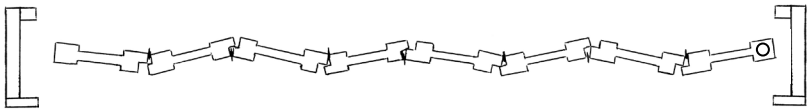
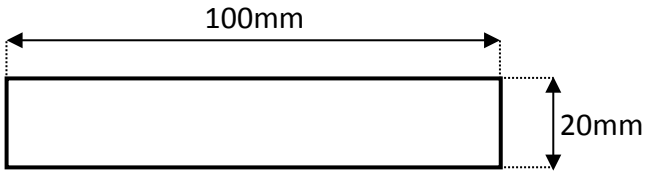


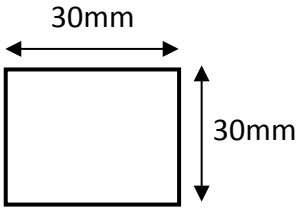
7.2 Frames for Bi Fold Panels

For Face Fit Bi Fold shutters, frames are required and will be supplied as per your order. For Reveal Fit, frames are the default; they are recommended, but not always required*.

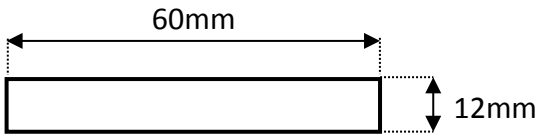
Headboard and Side Frames



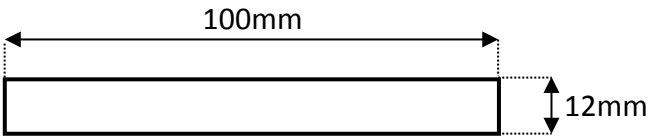
Mounting Block (for Headboard)



Fascia

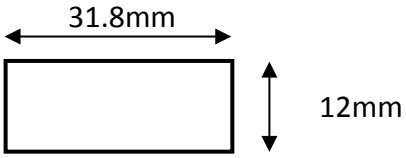


For Reveal Fit

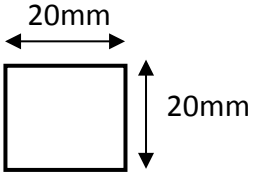


For Face Fit

Light Block (for front edge of Side Board)



Mounting Block (for Sideboard)



*See Glossary and Reference Charts at the end of this manual for more detailed information

7.3 Bi Fold Hardware

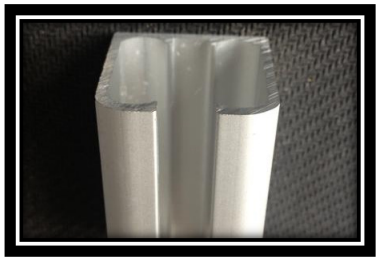
Wheel

Top Pivot Set

Floor Bottom Pivot Set

Wall Bottom Pivot Set (Default)

7.4 Tracking for Bi Fold Panels



Top Track (Silver)

M Track (White, Dark Brown or Silver)

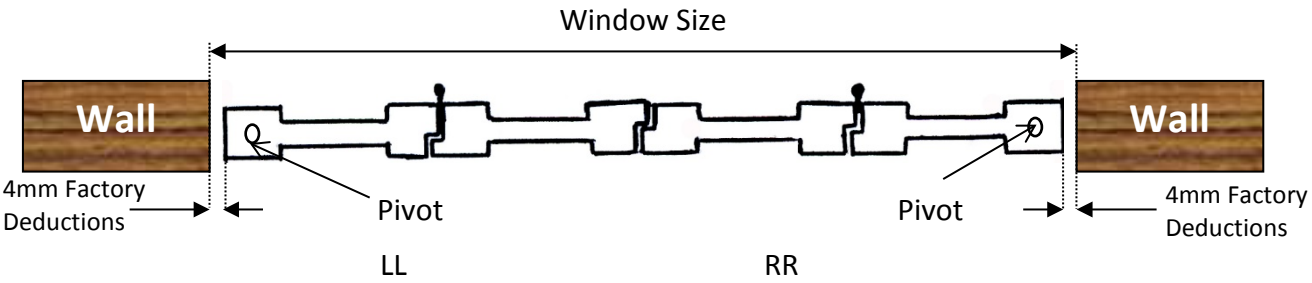
Track In Board (Silver)

*See Glossary and Reference Charts at the end of this manual for more detailed information

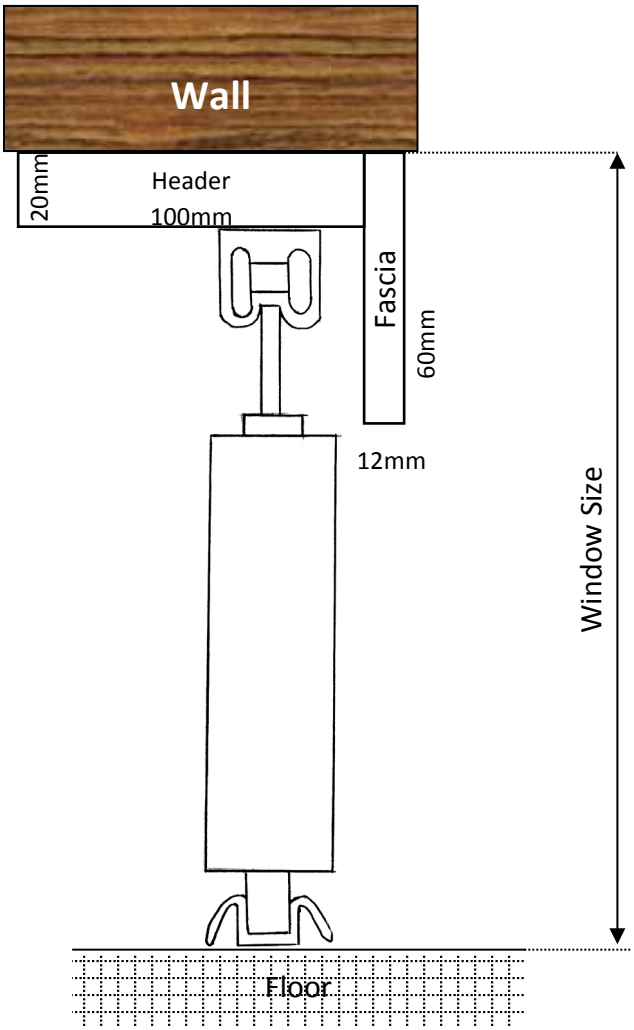
7.5 Bi Fold Inside Reveal* Mount

Please ensure there are no handles, mullions or winders that will interfere with the operation of the pivoting panel and the open blades.

Bi Fold Inside Mount with no sideboard (top view)



Bi Fold Inside Mount with no sideboard (side view)

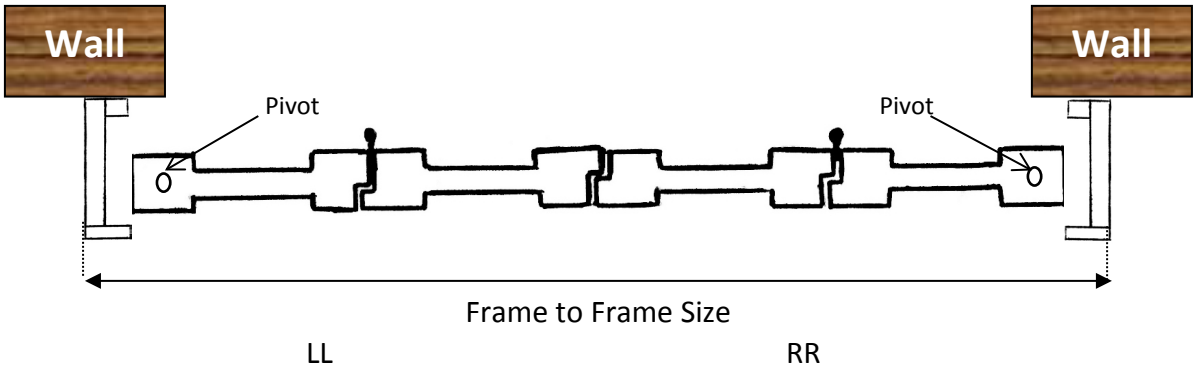


*See Glossary and Reference Charts at the end of this manual for more detailed information

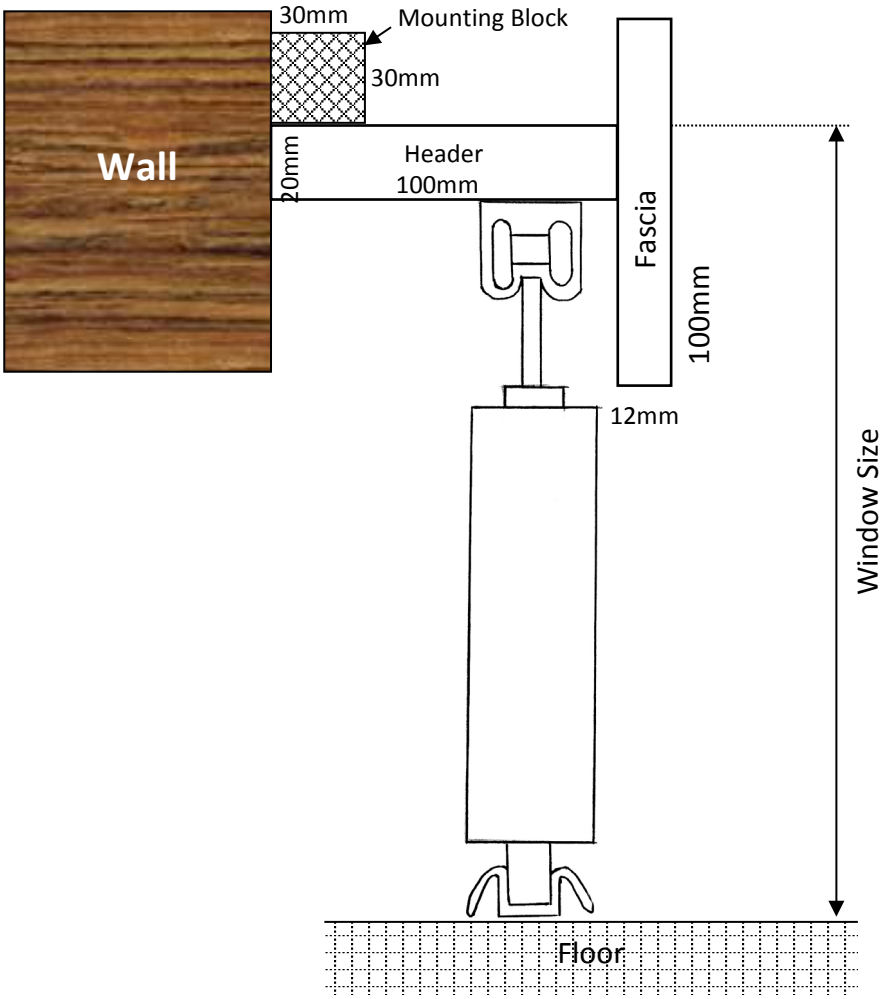
7.6 Bi Fold Face Fit Mount

When ordering Face Fit Mount for Bi Fold shutters, side frames to match can be supplied. Select YES the Left and Right Frame sections.

Bi Fold Outside Mount with top and side frames (Top view)



Bi Fold Outside Mount with no sideboard (side view)

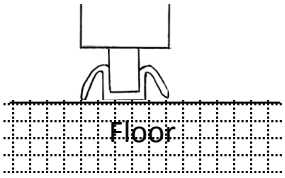


NOTE: Top of headboard to the floor or bottom of the opening **MUST** be supplied for Outside Fit.

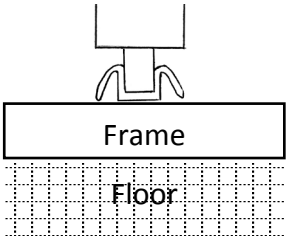
E.g. If mounting above existing architrave please add 19mm to the architrave to floor measurement to allow for the headboard.

7.7 Bottom Track Options for Bi Fold Panels

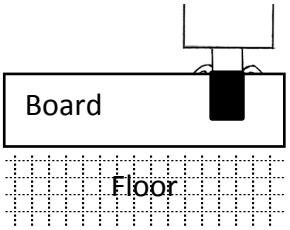
Option A
Track mounted to the floor.
Track Height is 10.4mm.
Recommended option for hard, flat level surfaces.



Option B
Track mounted to Frame Board. Track Height is 10.4m plus the Board Height of 20mm.
If mounting headboard and sideboards to the wall, outside an architrave, please consider that the Frame may need to be cut back by the thickness of the architrave in order to line up the floor track with the top track and for the front edge of the Frame to be flush with the front edge of the sideboards.



Option C
Track mounted inside the Board.
Board Height of 20mm.
Recommended option for soft non- level surfaces e.g. plush carpets etc. Board is supplied the same depth as the Headboard and Sideboard. If mounting HB and SB to the wall, outside an architrave, please consider that the Board may need to be cut back by the thickness of the architrave in order to line up the floor track with the top track and for the front edge of the Board to be flush with the front edge of the sideboards.



7.8 Bifold Extras

The following assist the operation and to resist zig-zagging when Bifold opening is exposed to breezes.

Bifold Magnets

Standard on all Bifold orders

Concealed Hinges*

Surcharge Applies

Flush Bolt*
Surcharge Applies

Ring Pull *
Surcharge Applies

*See Glossary and Reference Charts at the end of this manual for more detailed information

8. Sliding Panels

Please refer to the Shutter Range & Mounting Methods Reference Charts for Sliding* Panels minimum and maximum dimensions.

8.1 Layout Codes for Sliding Panels

Below are some examples of Sliding configurations.

'B' Back – the panel is placed on the back track.

'M' Middle – the panel is placed on the middle track (only when 3 tracks are required). These Panels these will ONLY slide in the **CLOSED** position.

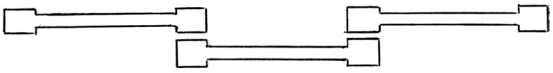
'F' Front – the panel is placed on the front track

Two Panels

BF

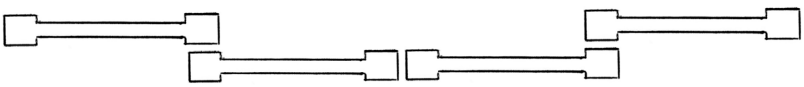
Three Panels

BFB

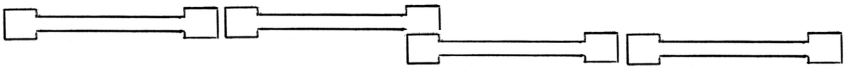


Four Panels

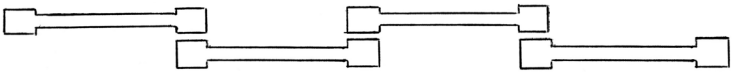
BFFB



BBFF



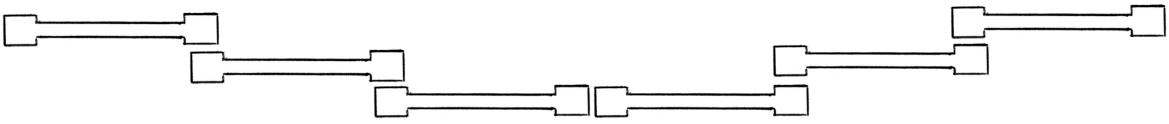
BFBF



Six Panels

(Sliding Closed only)

BMFFMB

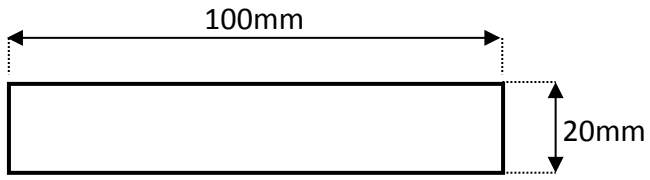


*See Glossary and Reference Charts at the end of this manual for more detailed information

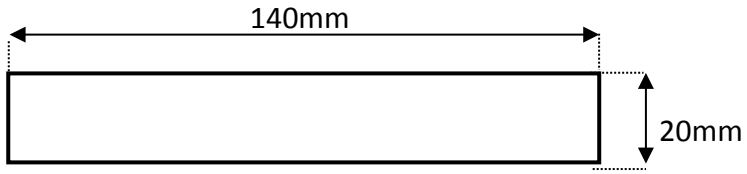
8.2 Sliding Panel Frames*

Headboard and Side Frames

1.

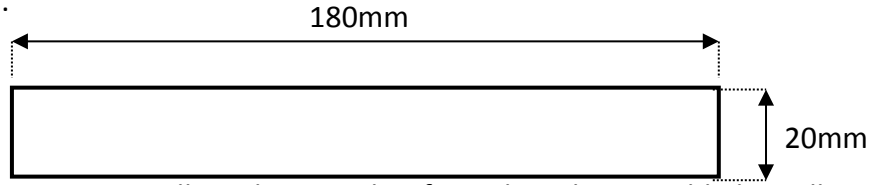


100mm Headboard – 2 Tracks of panels with 63mm, 89 or 114mm blades will pass with the blades **closed** (only).

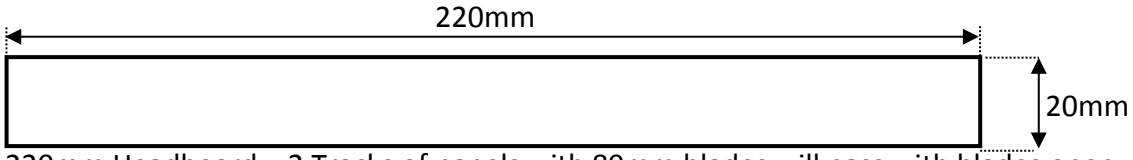


140mm Headboard – 2 Tracks of panels with 63mm blades will pass with the blades open*; 2 Tracks of panels with 89mm or 114mm blades will pass with the blades closed (only). 3 Tracks of panels will pass blades closed (only)

2.

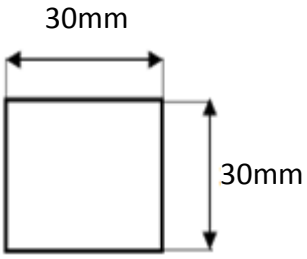


180mm Headboard – 2 Tracks of panels with 89mm blades will pass with blades open* if fitted to the wall without architrave; with an architrave that is less than 50mm wide and no more than 12mm deep; or directly onto an existing architrave.

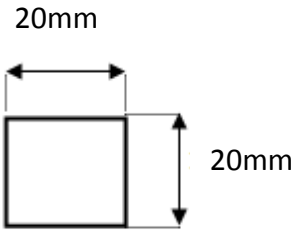


220mm Headboard – 2 Tracks of panels with 89mm blades will pass with blades open

Mounting Blocks

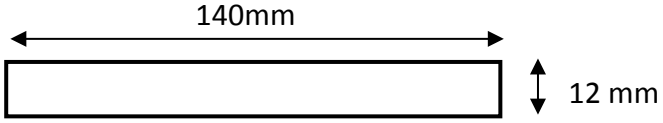


Used to mount Headboard



Used to mount Sideboard

Fascia



*See Glossary and Reference Charts at the end of this manual for more detailed information

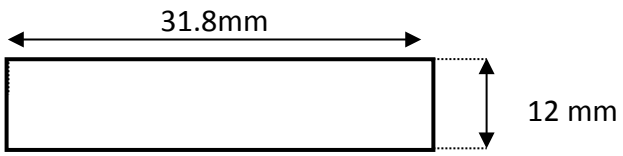
Guidelines for Sliding Panels and Related Headboard Size Options

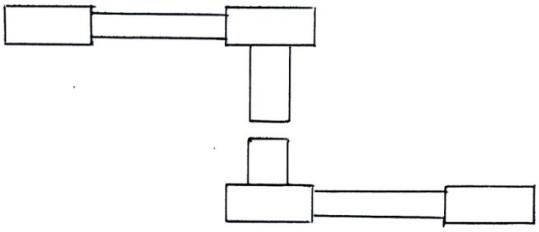
Blade Size	Headboard Sizes (2 Tracks Only)			
	100mm	**140mm**	**180mm**	**220mm**
63mm	Closed	**Open** or Closed	**Open** or Closed	**Open** or Closed
89mm	Closed	Closed	**Open** or Closed	**Open** or Closed
114mm	Closed	Closed	Closed	Closed

Maximum number of available tracks is 3, these will ONLY Slide in the CLOSED position

Light Blocks

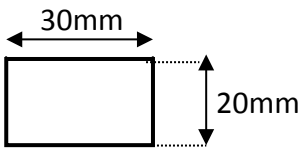
Large Light Block – Used on front edge of Sideboards

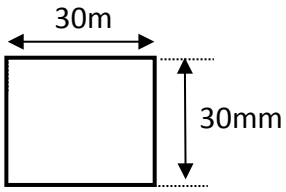




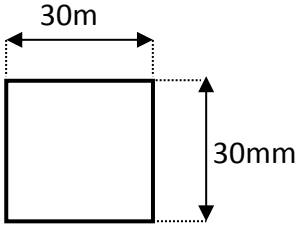
Light Blocks – Used between panels when ordered as sliding “Open”

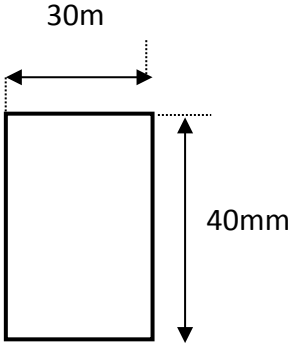
For 63mm Blades





For 89mm Blades

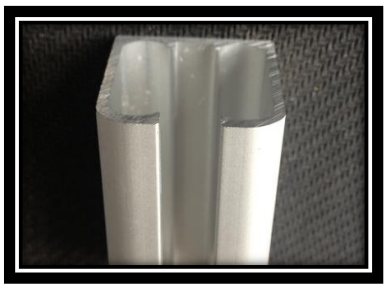




*See Glossary and Reference Charts at the end of this manual for more detailed information

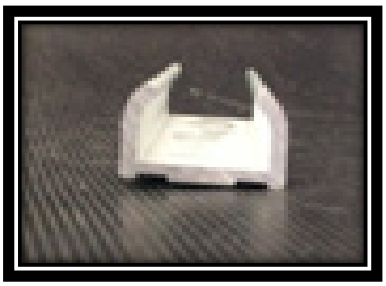
8.3 Tracking for Sliding Panels

(Please refer to additional costs for Sliding set ups)



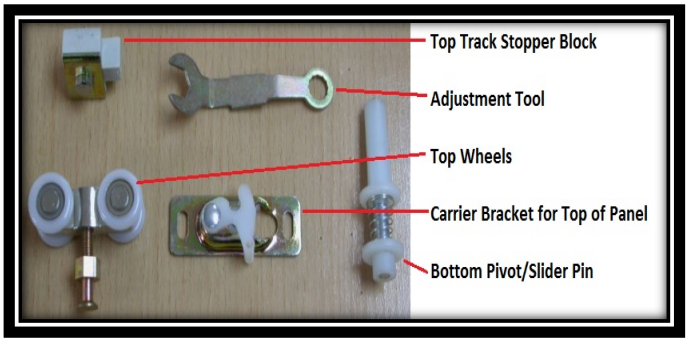
Top Track (Silver)

M Track (White, Dark Brown & Silver)



Track In Board (Silver)

Floor Guide



Other Hardware

Sliding L Bracket*

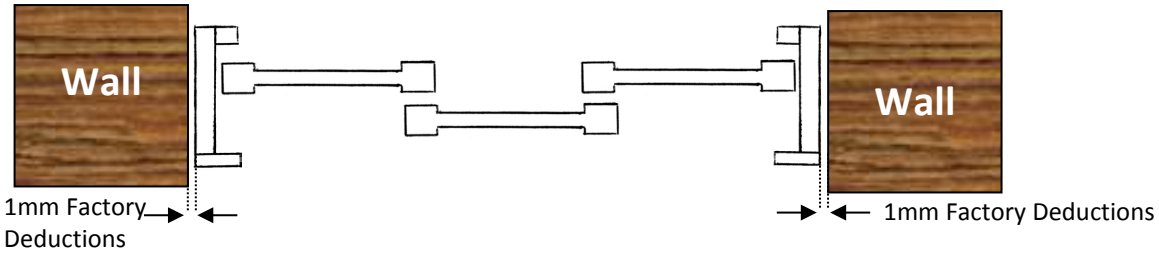
We recommend the use of the Sliding L-Bracket (additional cost) for all 180mm & 220mm headboards, to provide additional structural support (this assists the 30mm x 30mm mounting block). L-Brackets do not come automatically with your shutters; these need to be specifically ordered in the Hardware section of the order form (size sent will match Frame depth).

Hardware
Slider L Bracket

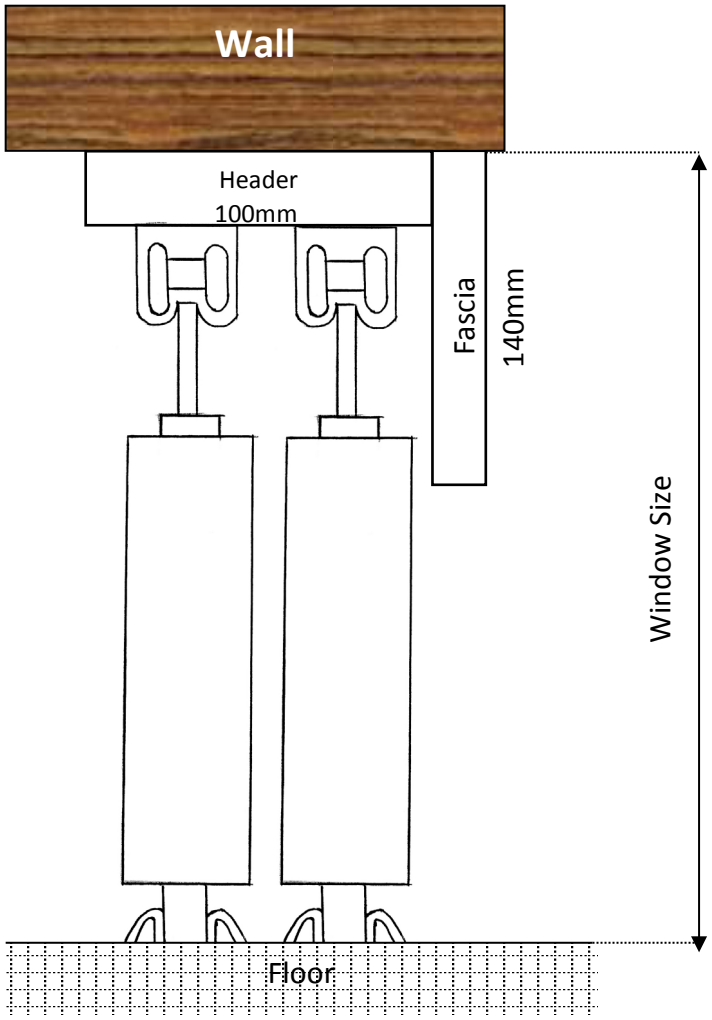
*See Glossary and Reference Charts at the end of this manual for more detailed information

8.4 Inside Mount with Sideboard

(Top View)



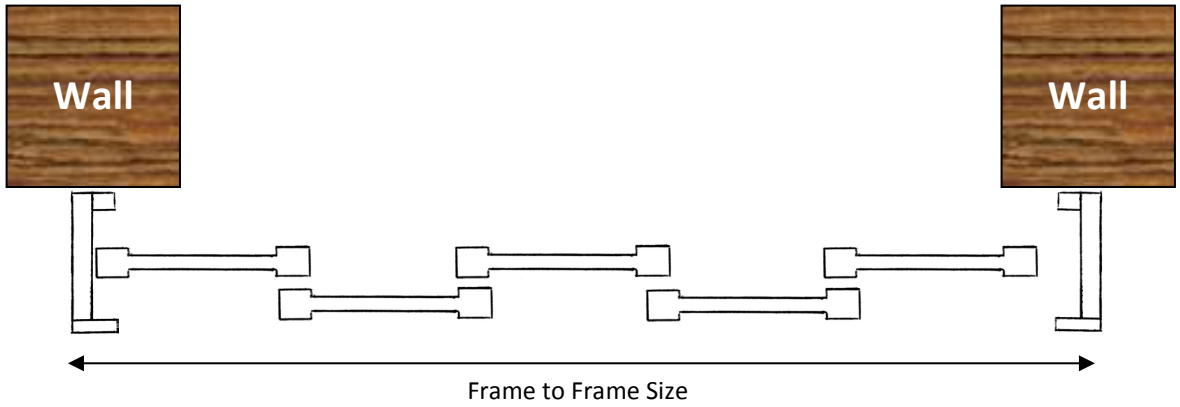
Inside Mount (side view)



Please ensure there is sufficient depth in the reveal to mount IN if this option is chosen. (Please refer to the Guidelines for Sliding Panels and Related Headboard Size Options chart above).

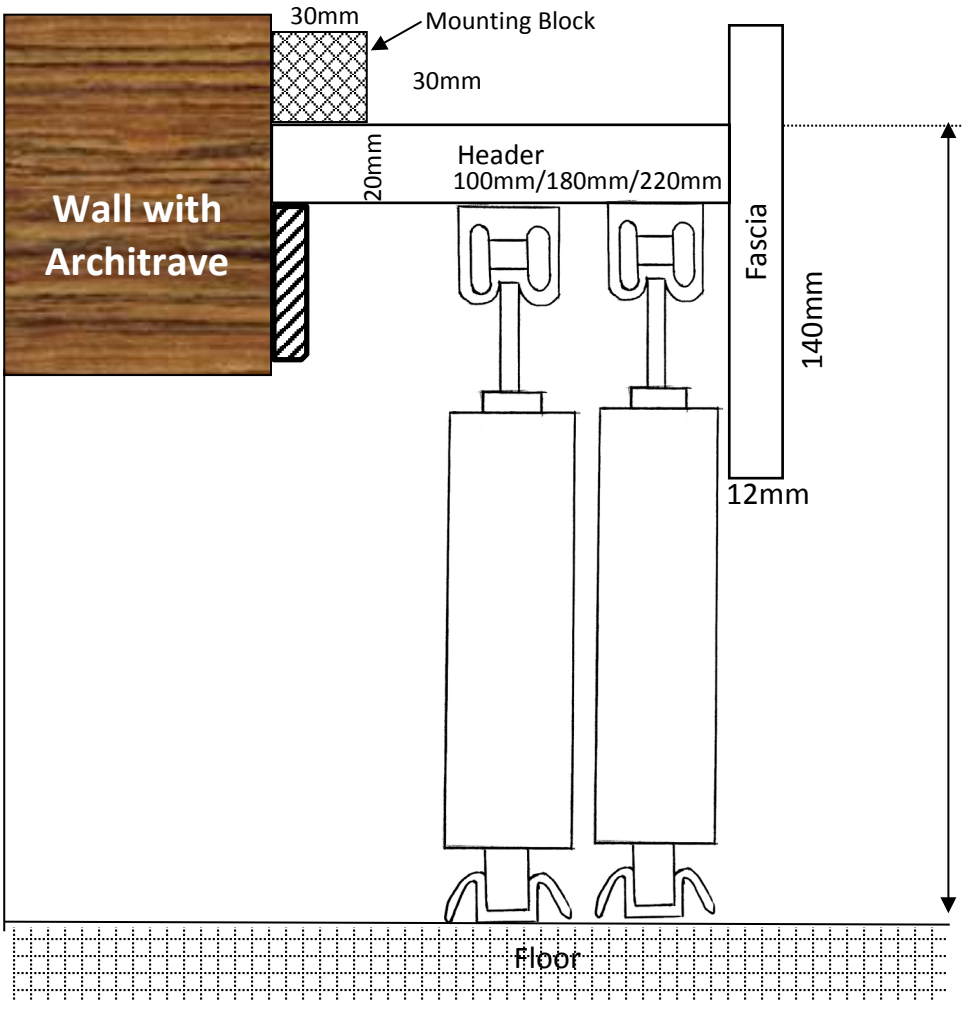
8.5 Face Fit Mount with Sideboards

(Top View)



Outside of Frame measurement MUST be supplied for Outside Fit. The Gross Opening Width needs to include the 20mm Sideboards on both the left and righthand sides of the opening. The Gross Opening Height needs to include the 20mm Headboard depth. In other words, the measurements given should be outside of sideboards to outside of sideboard and top of Headboard to the floor.

Face Fit Mount (side view)



NOTE: Top of headboard to the floor or bottom of the opening MUST be supplied for Outside Fit.

E.g.: If mounting above existing architrave please add 20mm to the architrave to floor measurement to allow for the headboard.

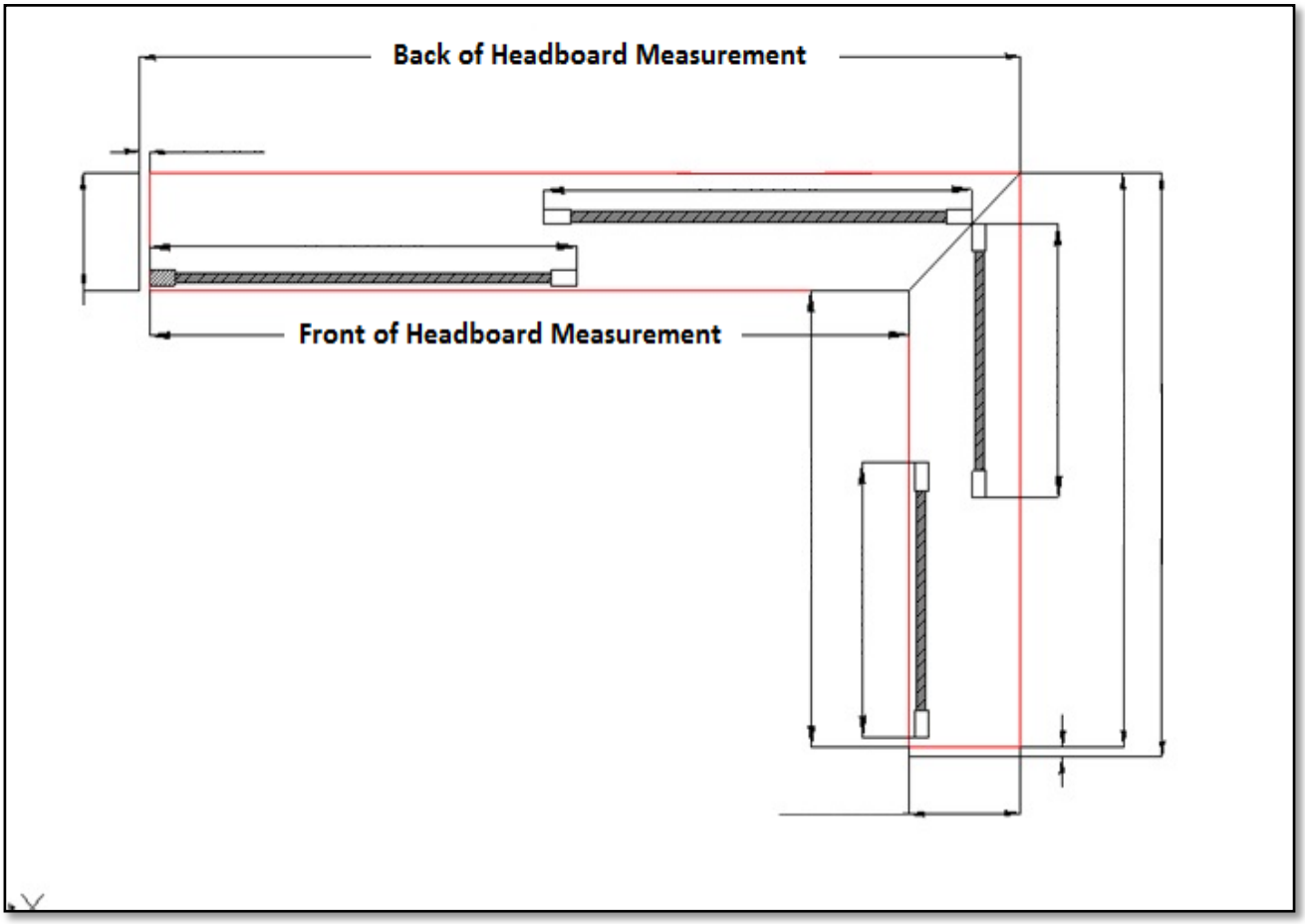
8.6 Sliding Panels into a Corner with Mitred Headboards

Sliding panels can be used in a corner doorway, utilising mitred Headboards and Fascia's to eliminate a Butt and Thru scenario. This is neater and more aesthetically appealing.

Please Note:

1. The drawing below must be sent to support the standard order form. Please email salessupport@pacificwholesale.com.au to request a diagram.
2. The drawing MUST include the measurements and specify whether the measurements provided are Front or Back of Headboard measurements.

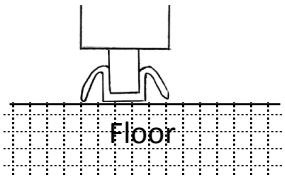
Sliding Panels into a corner with Mitred Headboards



8.7 Bottom Track Options for Sliding Panels

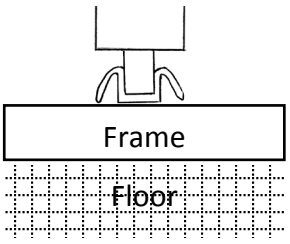
Track Only

Track mounted to the floor.
Track Height is 10.4mm.
Recommended option for hard, flat level surfaces.



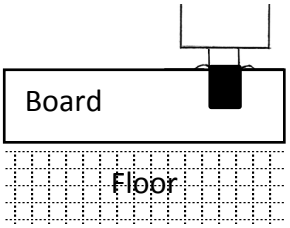
Track on Board

Track mounted to Frame Board.
Track Height is 10.4m plus the Board Height of 19mm.



Track In Board.

Board Height of 20mm.
Recommended option for soft non- level surfaces e.g. plush carpets etc.



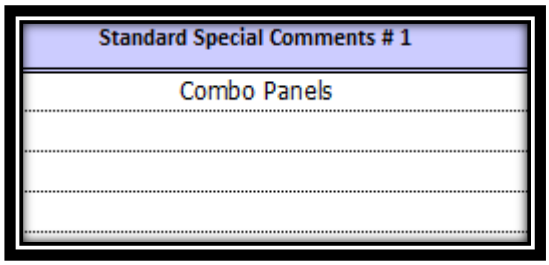
Floor Guide

No bottom track is used. A slot is routed into the bottom of each panel. The Floor Guide is fitted where the panels overlap. This option is suitable for Timber Eco panels.

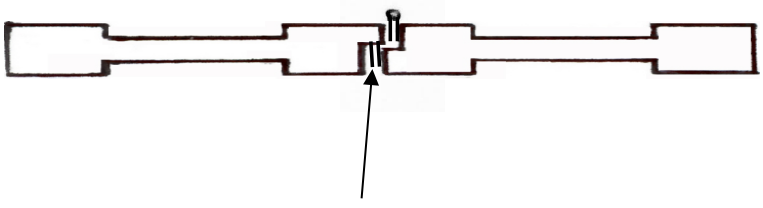
8.8 Combo (Co Joined) Panels for Sliding Panels

Combo Panels (above) 2 Panels = Layout Code BBFF

Sliding Combo Panels* (Co-Joined) are hinged together with a step hinge and Rabbet Stiles in the centre to reduce any light gaps. Due to the high risk of transport damage, we do not offer single panels with a centre stile.
When ordering Combo Panels **"Combo Panels"** must be selected in the standard **Special Comments** section of the order form, and the Layout code is double the panel quantity as a Combo Panel is considered as 1 single panel e.g.
2 panels = BB FF
4 Panels = BB FF FF BB



Top View of a Combo Joined Panel



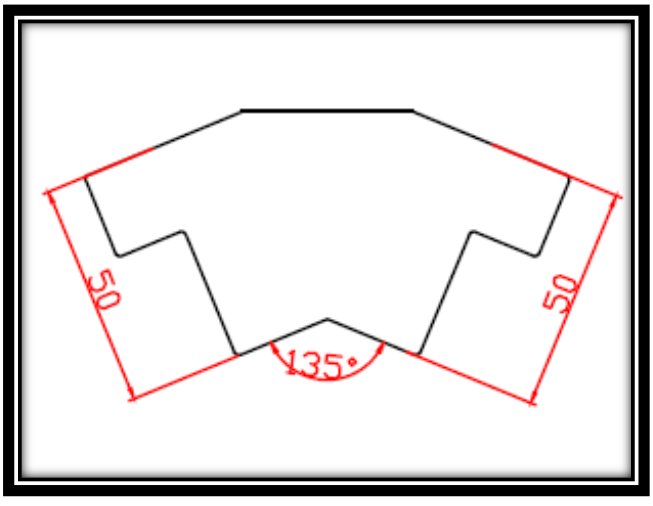
Hinged together and ordered as one panel

9. Special Requirement Windows & Options

There are a large variety of options that can be supplied for windows with special requirements. Some of these include: Bay Windows, Corner Windows, Box Windows, Shapes and Door cut outs. All special requirement windows attract a surcharge. Every requirement is different due to the product type and the application. This section will help to outline the details and special requirements needed to manufacture these types of shutters.

9.1 Bay Windows*

Shutters with Bay Posts are arguably the best window treatment for Bay Windows. They look great, fit neatly, accommodating **135°** opening angles effectively without gaps or overlaps. Ordering this option requires supplying a **Bay Window Diagram** (Diagram template supplied) to support the standard order form.

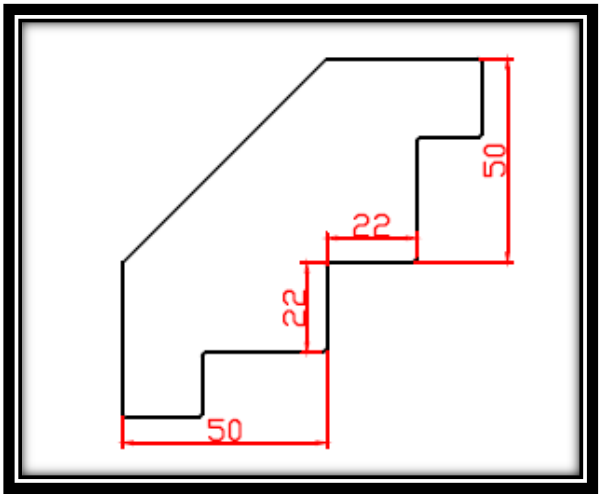


Bay Post

*See Glossary and Reference Charts at the end of this manual for more detailed information

9.2 Corner and Box Windows*

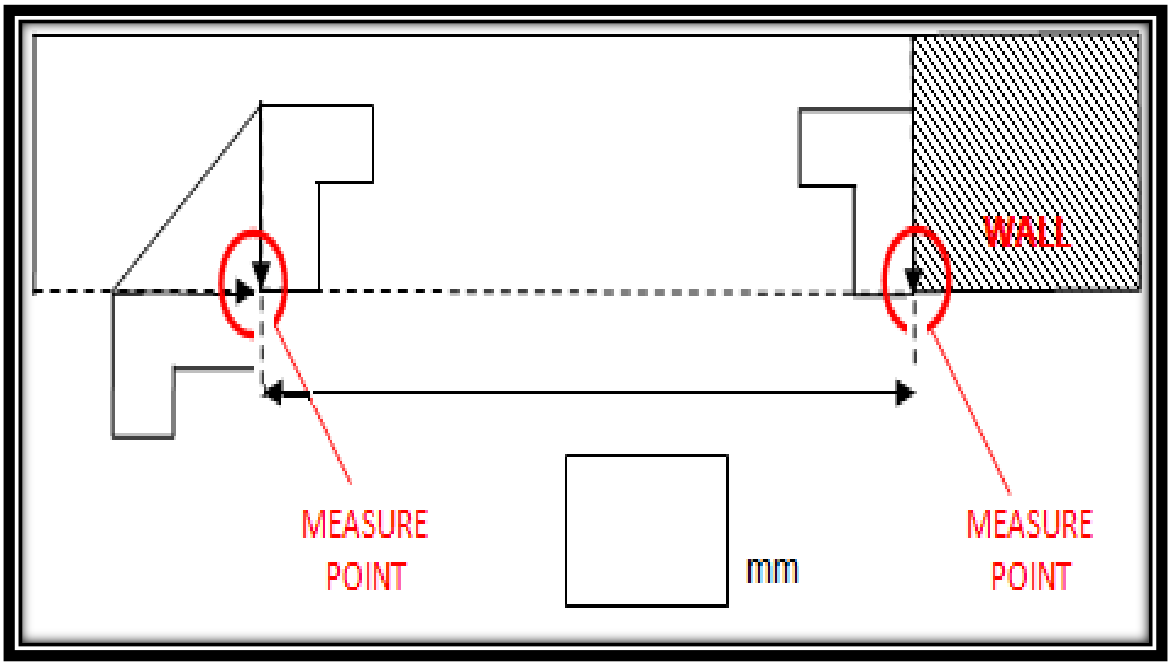
Like Bay Windows, Shutters with Corner Posts are considered to be the best window treatment for Corner and Box Windows. They look great, fit neatly, accommodating one, or two **90°** opening angles effectively without gaps or overlaps. Ordering this option requires supplying a **Corner or Box Window Drawing** (diagram template supplied) to support the standard order form.



Corner Post

*See Glossary and Reference Charts at the end of this manual for more detailed information

9.3 Measuring Guide for Bay and Corner Windows



Examples of Frame Position

*See Glossary and Reference Charts at the end of this manual for more detailed information

9.4 Diagrams

Diagram Templates are available that can be used to submit the drawings and measurements for the *most common* types of windows. This does not include every possible option as every window can be different. For options that are not included a specially drawn diagram will need created and supplied. Drawings must be emailed as a Word document with your order. We cannot accept faxed copies.

Diagram Templates are listed in the Glossary. Please email salessupport@pacificwholesale.com.au if you require an electronic version of a Shutter Diagram Order Form.

9.5 Example of Specific Diagrams

Following is an example of one of the diagrams. It is suitable for Recess Fit L Frame and for Z frame;

Box Window

Inside Mount (4 T Posts)

Line Item #	

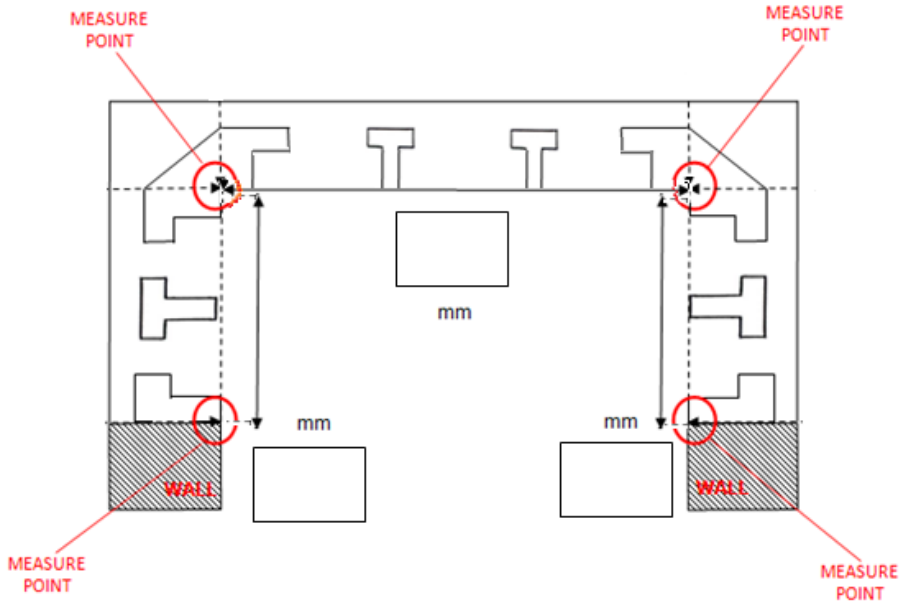
MUST SUPPLY FRONT FACE OF RECESS MEASUREMENTS

- The Layout Code **must match** the Layout Code on the Order Form! Note "C" for Corner Post
- The combined 3 measurements must equal the "Gross Opening Width" on the Order Form.

PLEASE NOTE: When ordering Inside mount or Outside mount only provide the Front Edge Window Measurements (including the architrave if the architrave effects the position of the frame).

	Quantity	1st T Post (mm)	2nd T Post (mm)	3rd T Post (mm)	4th T Post (mm)
T Post					

Layout Code:	



*See Glossary and Reference Charts at the end of this manual for more detailed information

9.6 Shaped Shutters

Shaped Shutters Templates and Drawings

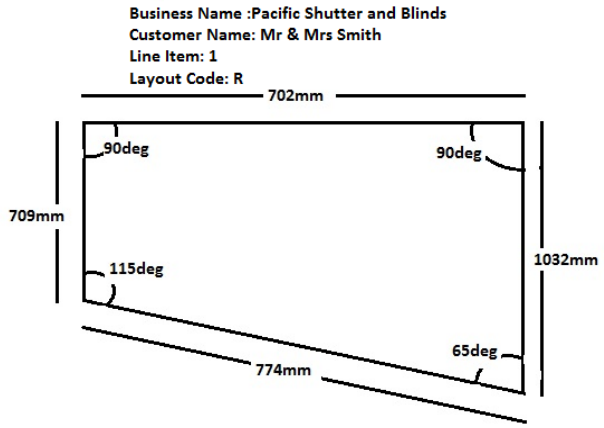
Shaped Shutters can be a great option for covering uniquely shaped windows or cut outs in walls. Shaped shutters will require either*:

a. A traced Template for curved shapes.
b. A line Drawing with angles for straight line shapes.
c. Before shapes are manufactured, the factory will supply drawings, which must be approved via email. This ensures the shape will be made to correct size.

Drawing Requirements

- All measurements included for straight lines and all angles in degrees (must be the same measurements as stated on the Order Form e.g. Gross Opening Width and Gross Opening Drop).
- Clear Scanned Drawings ONLY (we will not accept faxed drawings).
- Layout code on shape.
- Customer name and Order Form line item number written on the drawing.

Drawing Example:



Template Requirements*

- Template cut to the correct size and shape of the window (must be the same measurements as stated on the Order Form e.g. Gross Opening Width and Gross Opening Drop).
- All measurements written on the template.
- Louvre Blade Design e.g. Standard Arch or Sunburst Arch.
- Customers name and Order Form line item number written on the template.
- The received templates are posted to the factory overseas and must be able to be rolled neatly into a cylinder for posting.

Suggested template materials to trace on:

- Clear, thick plastic that won't stretch
- Corrugated Cardboard
- Thin Cardboard/Paper
- A template MUST be provided on a material suitable to be rolled up neatly

*See Glossary and Reference Charts at the end of this manual for more detailed information

Tracing a Window to create a Template

1. Tracing the Window

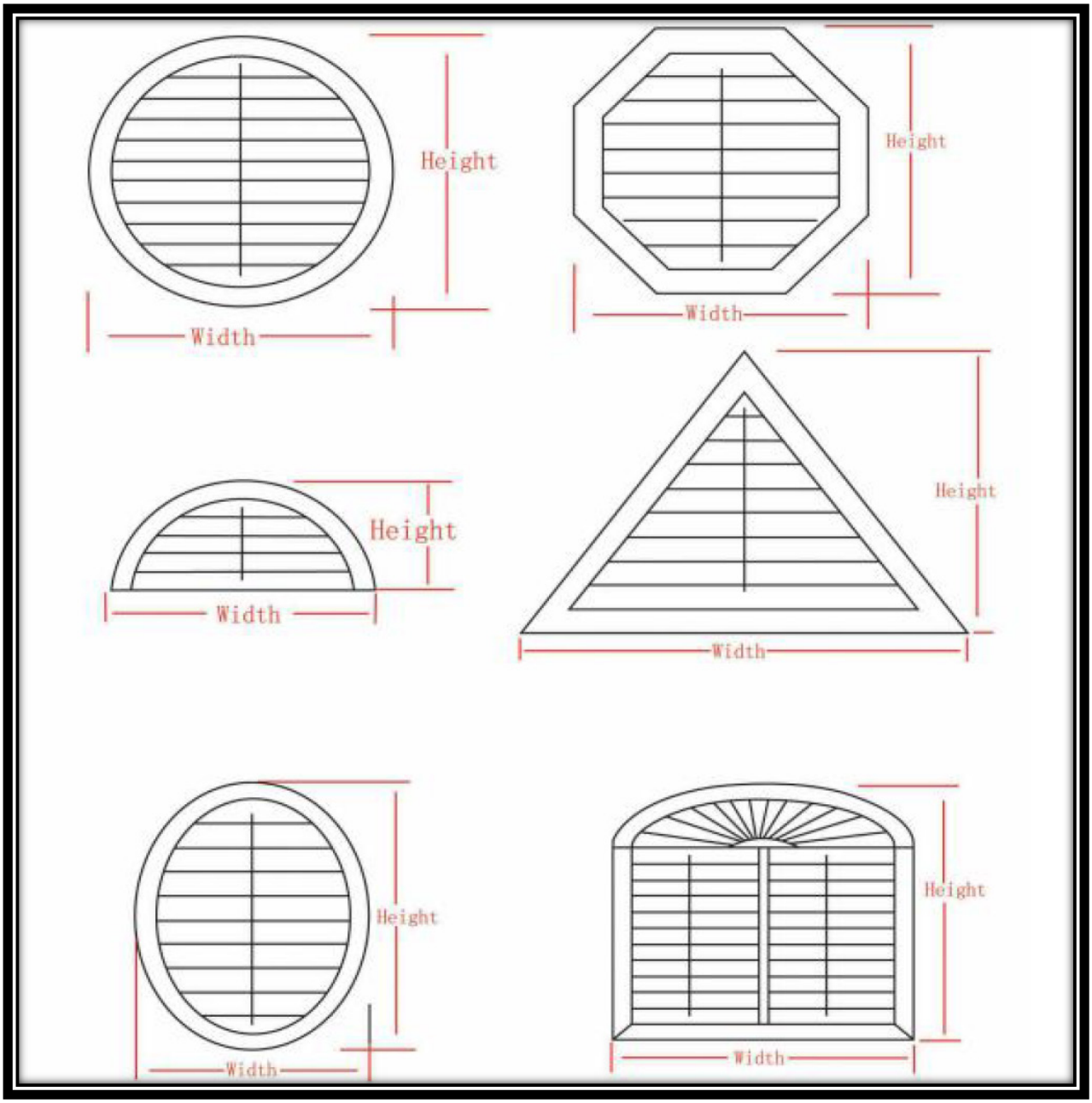
2. Template Example Required

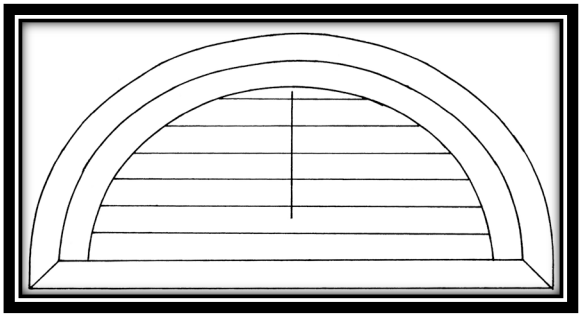
Shaped Shutters Gallery

*See Glossary and Reference Charts at the end of this manual for more detailed information

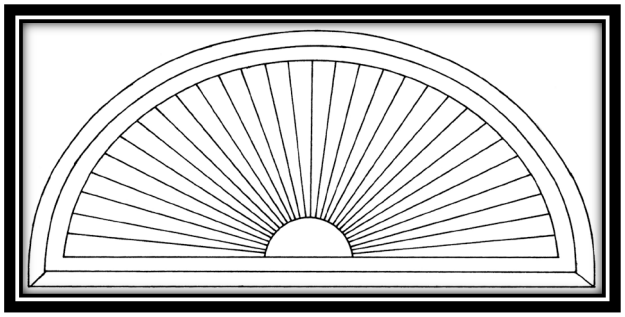
Shape Shutter Examples

Following are some examples of shaped shutters that can be manufactured. Timber Shapes are available in painted and stained colours. Some laminations will be obvious on Stained finishes.



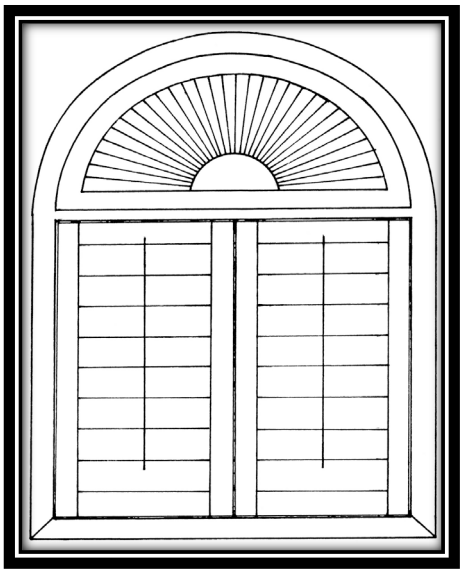


Standard Arch - with Centre Tilt Rod
(template required)

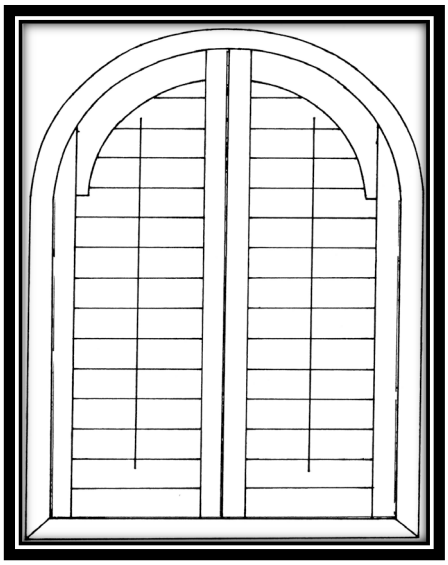


Sunburst Arch - no Tilt Rod available
(template required)

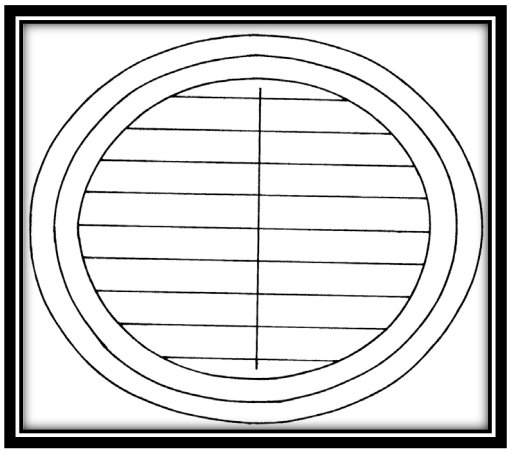
*See Glossary and Reference Charts at the end of this manual for more detailed information



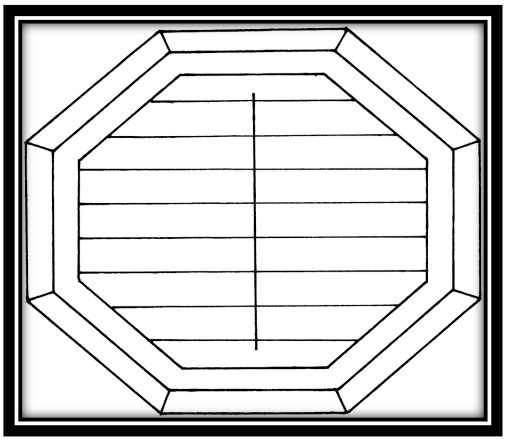
Sunburst Arch at top with Horizontal T-Post
(template required for arched section)



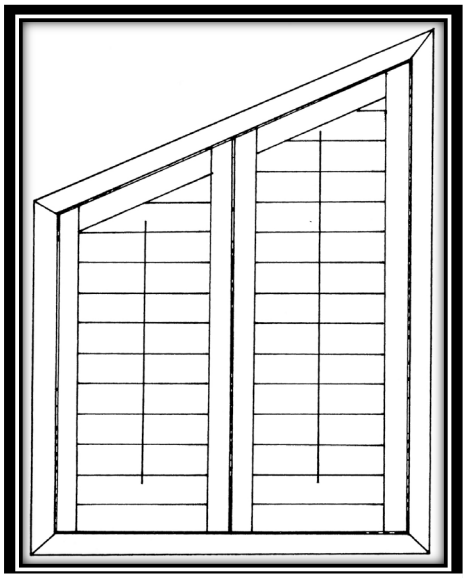
Arched Shutter - with Centre Tilt Rod
(template required for arched section)



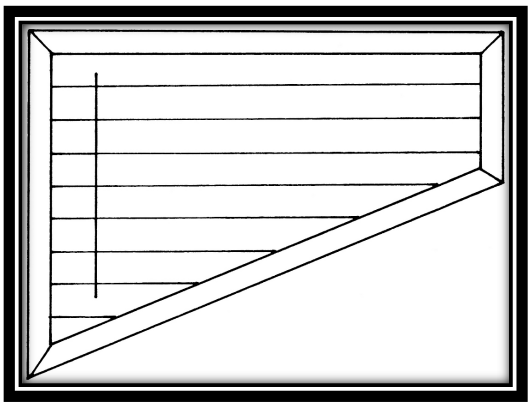
Circle Shape – with Centre Tilt Rod
(template required if not 100% symmetrical)



Octagon – with Centre Tilt Rod
(drawing required)



Left Rake – with Centre Tilt Rod
(drawing required)



Angled Bottom Shape – with Off Set Tilt Rod
(can be Hidden), (drawing required)

*See Glossary and Reference Charts at the end of this manual for more detailed information

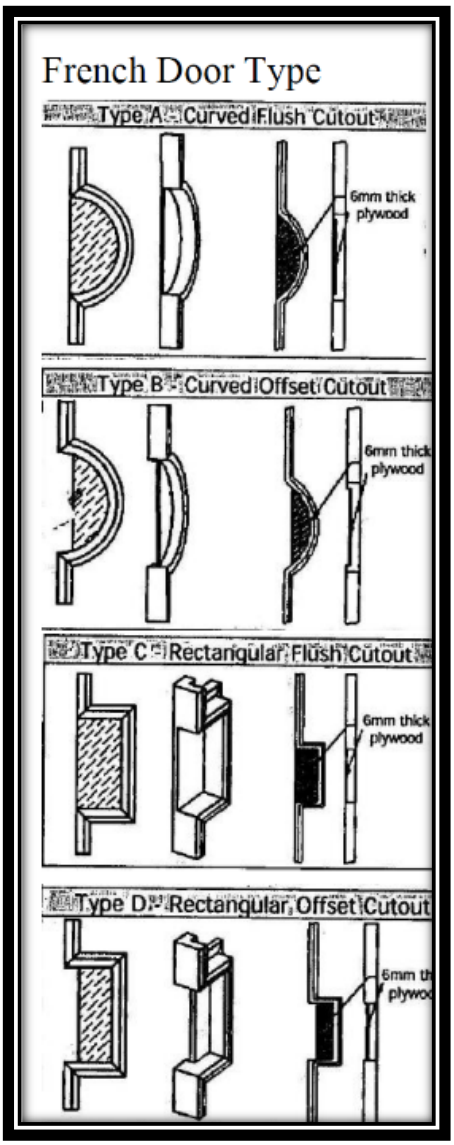
9.7 Door Cut Out

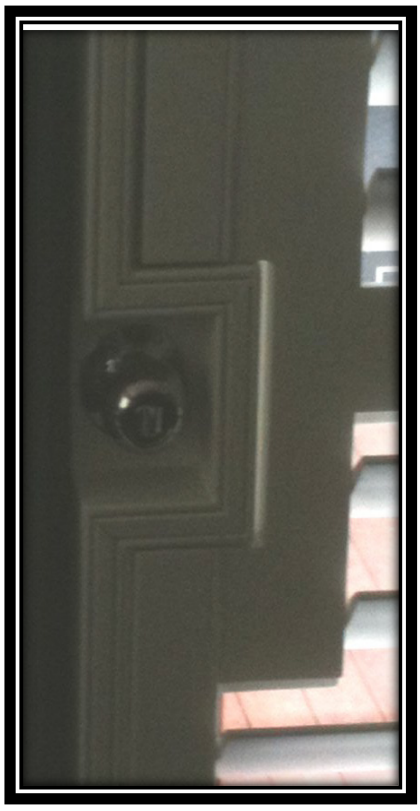
Door Cuts Outs in a shutter panel can be a great option for accessing an awkwardly placed door handle.

"Door Cut Out" – must be selected from the *Window Type* section of the Order Form and a completed drawing emailed in addition to the standard Order Form. Please email Pacific for the diagram. Note the shape of the cut-out and if a 6mm light block is required. Default is no light block.

The Crucial Measurements for Door Cut Outs are:
1. Bottom of L Frame to bottom edge of cut out
2. Bottom of L Frame to top edge of cut out
3. Depth of cut out
4. Panel Side for the Cut Out

Door Cut Outs require a longer lead time due to the specialised processes involved, the date of order begins from when the factory drawings have been approved (by the customer) and confirmed by the factory.



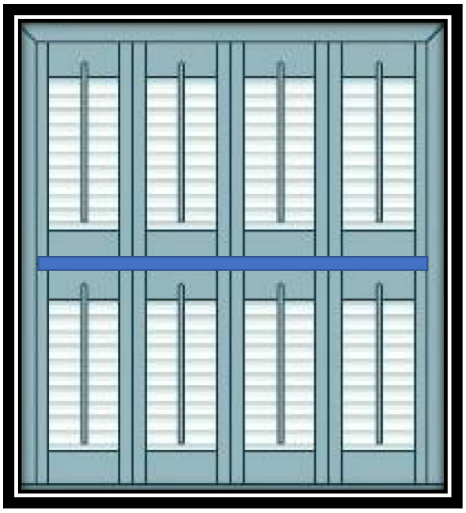


9.8 Horizontal T Posts*

Horizontal T Posts can be used in a window to separate or divide the panels at the top of a window to those panels at the bottom of a window. They are a great option to accommodate obstacles such as a TV unit, lounge or a bath etc.

A Vertical T Post is recommended to support the Horizontal T Post if panels are to be used below the Horizontal T Post.

A Filler Board up to 220mm deep can be used above or below a Horizontal T Post instead of panels. This is ideal to allow hinged panels to clear a tap, edge of a bath, or on the top of panels to clear a bulk head.



9.9 Motorised Shutters

Motorised shutters are ideal for internal openings that are hard to access, such as high up in stair wells. This system tilts 63mm or 89mm internal shutter blades by remote control.

The motor and remote are battery operated, with a range of approximately 30 meters. Each bank of blades has a unique motor to control the blades tilting up and down. The remote will control up to 14 motors (or banks of blades) individually, or all 14 in unison. Motor requires four AA batteries. Longevity depends on the quality of batteries and frequency of use.

The narrow motor simply attaches with double sided tape to the rear of the shutter. An unobtrusive white bracket is then fit to a single blade. The motor moves this bracket, the blade it is attached to, and all other blades that are joined to this blade by a tilt rod. Both Hidden Tilt and Rack & Pinion are can be used with a motor. Hidden tilts must be positioned on the opposite side to the motor. Motors should be positioned on the stile beside louvres at the most convenient height to change the battery.

10. Hardware and Extra Timbers

10.1 Herman Joints (Hoffmann Keys)

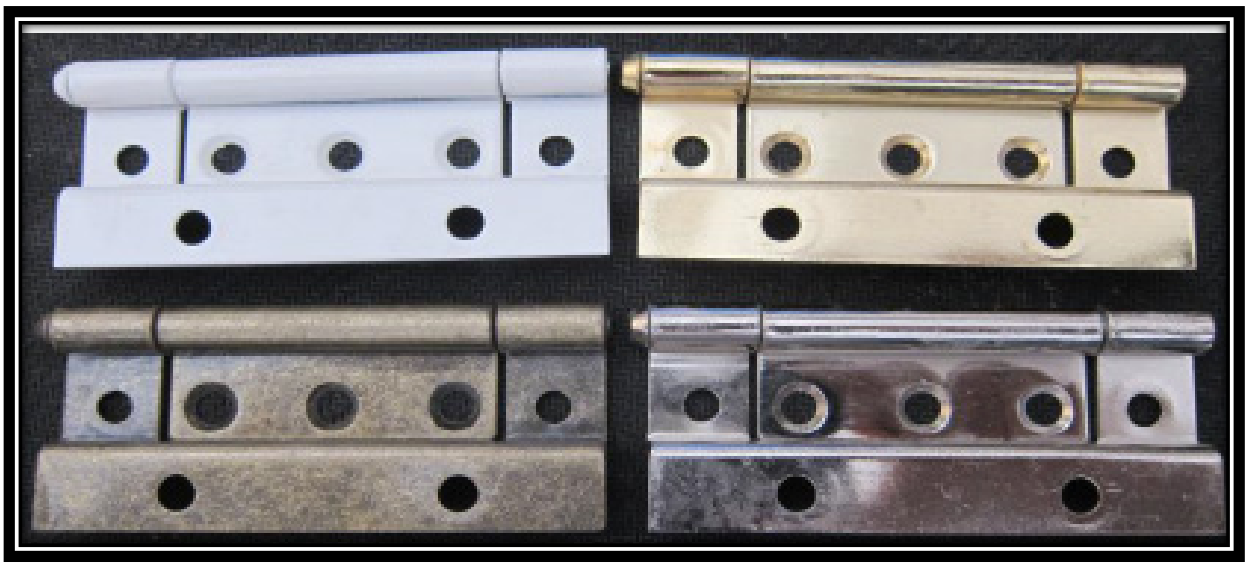
Where possible frames will be fitted with double Herman Joints to firmly hold the mitred joints together to maintain squareness. This is essential for neat mitre joins and perfectly fitted panels.

10.2 Hinges

Hinges match Painted colours unless otherwise requested. Default hinge colour for Stains are as follows:

COLOUR	SUGGESTED HINGE COLOUR
Cedar Image Medium	Bronze
Maple	Bronze
Walnut	Bronze
Riva	Brass

The above hardware colours are suggestions only. Please specify on your order form the colours you require (additional costs apply for Stainless Steel Hinges).



*See Glossary and Reference Charts at the end of this manual for more detailed information

10.3 Timber Extras

Listed are the standard Timber Extras, available on the order form. Other sizes are available POA. All boards, light stop and frame lengths can be supplied up to 4.2m. Stains can be supplied up to 4.2m, however there will be a join (made pre-finishing) that may be visible on boards over 2.5m. This join will be positioned in consideration of arrangement. For example, a 4m opening with BFFB, the Fascia will be joined at 2m.

DESCRIPTION	SPECIFICATIONS
Light Stop	20mm x 5mm
	20mmx 30mm
	40mm x 30mm
	50mm x 30mm
	31.8mm x 12mm
Mounting Block	30mm x 30mm
	20mm x 20mm
Fascia	60mm x 12mm
	100mm x 12mm
	140mm x 12mm
Headboard	100mm x 20mm
	140mm x 20mm
	180mm x 20mm
	220mm x 20mm
U Channel	40mm x 53mm
	60mm x 53mm
Bullnose Z Frame	
Large Bullnose Z Frame	
Hanging Strip	30mm x 25.4mm
Small Face Fit L Frame	
Small L Frame	Small L Frame (Beaded - Default) Small Flat L Frame (Optional)
Medium/Large Face Fit L Frame	
Medium/Large L Frame	
Z Sill Frame	
Large Z Frame	
Standard Z Frame	
Bi Fold Frame	60mm x 12mm
T Post	50mm T Post 70mm T Post

*See Glossary and Reference Charts at the end of this manual for more detailed information

Quantity	Length	Extra's	Material	Colour
2	1350	Additional Fascia 100mm x 12mm	Timber	White (W105)

11. Sales Aids

We have introduced a range of swatches and sales aids that can be used by all sales people when promoting the Shutter range.

11.1 Swatches

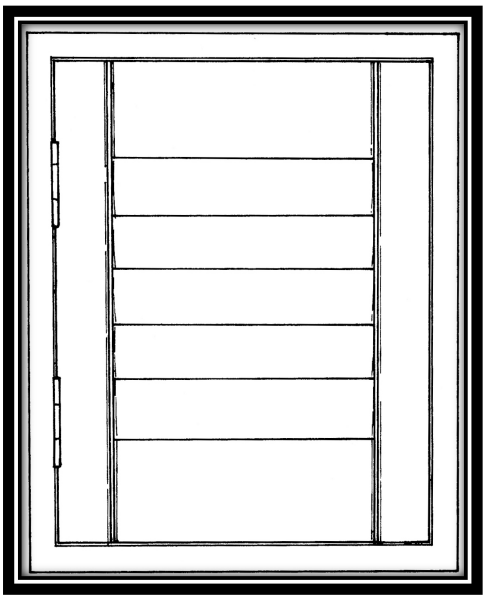
Timber Eco
Painted & Stained

$POA per set

11.2 Shutter Sample

Painted or Stained available
280mm x 470mm

$POA each



11.3 Timber Shutter Case

Includes:
1 x Timber Painted Sample Panel with Hidden Tiltrod
1 x Timber Stained Sample Panel with Rack & Pinion Tiltrod
Colour Samples
Frame Samples

$POA each

An electronic Sales Aids order form is available, please email salessupport@pacificwholesale.com.au and request a Sample Swatches order form to be emailed today.

12. Shutter Remake Process

In the event of Shutter Panels, Frames or Parts being received damaged the following information must be emailed to shutterorders@pacificwholesale.com.au

1. Copy of the original order form.

2. A new order form, clearly showing the shutter(s) that need remaking. Please specify that the order is a **remake** – failure to do so may result in the original order being placed as a new order at full charge.

3. A detailed description specifying exactly what the concern is and exactly what panels/frames etc. need remaking. Failure to clearly specify this information may result in a longer lead time. More often than not the fastest solution to rectify a concern is to order the parts only required e.g. Louvre Blades and Pins, Framing Section etc.

4. Supporting photographs illustrating any concerns. For example – if the panels/frames supplied were too short, photographs to show a tape measure being held against the panels/frames, to clearly illustrate the size they were supplied at are required, as shown below.

Or if the panel is believed to be bowed then *a photo must be provided of the panel lying down on a flat surface* as shown below.

13. Care and Maintenance

Cleaning and Care

The surfaces of Timber Eco Shutters will collect a layer of dust over time. Normal and regular dusting with a soft damp cloth will remove this build up.

If further cleaning is required, wash with mild soap (mild household dishwashing liquid), water (damp only) and a soft cloth. Ensure the surfaces are dried with a soft cloth.

For stubborn dirt and stains use a mild, water-based household cleaner.

Should Timber Eco shutters be caught in a rain shower and become wet, all water must be dried as soon as possible. A hair-drier on a cold setting can be used to blow any water out from between the stile and blades and a soft towel used to ensure no water is left between and around the frame and panel.

Pencil-like marks can form on light coloured painted shutters due to some metals coming into contact with the paint, such as rings and other jewellery. These marks are removed with a small amount of Eucalyptus Oil on a soft cloth.

CAUTION:
Never use thinners, harsh cloths, harsh abrasives, chlorine or ammonia-based chemicals or cleaners on Timber Eco Shutters surfaces as they may affect the surface appearance and longevity.

14. Shutter Questions & Answers

Q: Panel sizes?

A: Panel sizes will vary depending on the blade size chosen (63/89/114mm), and also the chosen Mounting Method/Mode of Operation etc. Refer to the Shutter Reference Chart following.

Q: Should Timber Eco be used in wet areas?

A: We recommend using Fauxwood for wet areas such as bathrooms.

Q: Will Timber Eco shutters be ruined if they get wet?

Timber Eco Shutters are moisture resistant, not water proof. They are able to withstand normal levels atmospheric humidity. Should Timber Eco Shutters become wet, they should be dried as soon as possible and not allowed prolonged, or repeated contact with water. If water is able to penetrate the timber, the finish may be affected. If shutters are likely to become wet or exposed to moisture in excess of normal atmospheric levels (such as a steamy bathroom, or rain through an open window), please order Fauxwood, as water damage is not covered by the Timber Eco warranty.

Q: What deductions are taken for inside mount?

A: For Hinged Panels in frames the deduction for inside mount is 3mm in the width and also the drop. *Refer to* *Framing for Hinged Panels*

Q: Can Bullnose Z Frame be used for outside mount?

A: No, Z Frames including the Bullnose Z Frame are only for reveal fit applications. *Refer page* *Mounting Methods*

Q: Do I need framing for my shutters?

A: Ideally framing should always be ordered and used on shutters as a secure anchorage for the panels, for reducing light penetration, and to assist in compensating for out of square openings.

Q: When do I need a T Post?

A: When more than one panel is used in a window opening and the T Post is used to hinge a panel. *Refer to* *T Posts*

Q: Do I need to supply a diagram for Bays or Corner windows?

A: Yes, if the window is to be ordered as one complete opening. Using either a Bay Post (135 degree), or Corner Post (90 degree), this post becomes an integral part of the layout code please see Example of Specific Diagrams

Q: What width is the mid rail?

A: TIMBER eco Mid rails are 76.2mm in width (depth).

Q: Why can't my mid rail be at the height I have requested?

A: If the midrail can't move up or down 40mm, order the Mid Rail location as "Critical Mid Rail" in the Special Comments, as the factory has a Mid Rail Adjustment allowance of 40mm up or down, if "Critical Mid rail" has not been specified in the Special Comments.
Every effort will be made to have the mid rail placed in the exact position requested but there can be some variances, depending on the height of the panels. *Refer to Mid Rail*

Q: Why can't I have two mid rails critical?

A: Shutters over 2500mm high will require two mid rails, however only one of those mid rails can be specified as "Critical Mid rail" – please note this on the order form, in the Special Comments. Every effort will be made to have the "Critical Mid rail" placed in the exact position requested, however the second mid rail cannot be Critical as the overlaps and increments for every blade location have to be exact, so the second mid rail height will vary depending on the height of the panel and the number of blades. *Refer to Mid Rail*

Q: Can I have an uneven number of panels for a bi fold?

A: No, Bi folds must always have an even number to operate *refer to Bi Fold Panels*

Q: Do I need a bottom track on Bi Fold or Sliding Shutters?

A: Yes, they should always have a bottom track for efficient operation and longevity however Timber Sliders can also use a Floor Guide if suitable. Tracks are strongly advised. *Refer to Tracking for Bi Fold Panels*

Q: Do I need a template for shaped shutters?

A: Yes, if the shape is curved, the shape of the opening must be accurately traced onto a template suitable to roll to post. If the shape is angles with straight lines only, a template is not required. Instead a drawing showing the measurements and angles is required. *Refer to Shaped Shutters Templates and Drawings*

Q: Do I need pictures of faulty goods?

A: Yes, we need detailed photos. These are vital communication aids which the factory requires to support your claim, and to help to establish what needs to be replaced in order to achieve a quick resolution *refer to Shutter Remake Process*

Q: Do you need the goods back once we have replaced them?

A: Not unless requested by Pacific.

Q: What's my lead time on shutters?

A: Normal lead time is between 5 and 8 weeks from order confirmation (i.e. once all information received on the order form is correct and complete without further questions). Longer lead times can occur during and after holiday periods (such as Christmas and Chinese New Year) and due to extenuating or unusual circumstances such as shipping delays, back-logs, supply shortages etc.

15. Glossary

Angled Windows Except Bay, Box and Corners	Windows with angles other than 135o and 90o should be ordered as separate individual windows, on separate line items and do not require a supporting diagram. The factory will make individual deductions for each separate window. In this case, order any extra timber from which to infill the angles between the openings in the Extra's area. Note in the comments on the order that these items are side by side.
Apple Software	If using an Apple computer, please use Excel for Mac (available online) to be able to see the drop-down options on the order form.
Bay Window Measuring Guide	The WIDTH of Bay Window arrangements will decrease, the further out they are fitted from the windows. Therefore, it is vital that the measurements given are taken at the correct depth. This varies if the opening has an architrave that will affect the position of the frame. RECESS FIT L FRAME – Measure where you will position the front edge of the frame, which is usually the front edge of the reveal. Use template "Bay Window – Inside Mount". Z FRAME NO ARCHITRAVE – Measure where you will position the back face of the overlapping part of the frame, which is the front of the reveal. Use template "Bay Window – Inside Mount". Z FRAME WITH ARCHITRAVE – Measure where you will position the back face of the overlapping part of the frame, which is on the face surface of the architrave, from the edge of the reveal to the opposite edge of the reveal. Use template "Bay Window – Inside Mount". FF L FRAME – Measure where you will position the base of the frame, which is the front edge of the architrave, or (if no architrave) the wall. Use template "Bay Window – Outside Mount".
Bay Window Ordering	The standard order form must have "Gross Opening Width" measurements supplied as a combined total of all 3 separate bay section measurements (e.g. 600mm + 1200mm + 600mm = 2400mm "Gross Opening Width"). "Bay Window" must be Selected in the Window Type Column on the order form. Include all Bay and T Posts in the Layout code. A 'B' in the Layout Code represents a Bay Post. Include T posts but not Bay Window posts in the order form column for "T Post Quantity" and their position(s).
Bay Window Template	Templates should have the 3 separate section measurements and location of Bay and any T Posts shown. Please see the measuring guide (above) and supply the correct Bay Window Template. These are available by email from PACIFIC, if you do not have them on hand. If the opening requires T Posts for hinging extra panels, check the list below for the availability of a special diagram. If not available, draw these on a diagram.
Bay Window Template List – Inside Mount	Bay Window Bay Window Inside Mount (1 Bay – 1 T Post) Bay Window Inside Mount (1 Bay – 2 T Post) Bay Window Inside Mount (1 Bay Post) Bay Window Inside Mount (1 T Post) Bay Window Inside Mount (2 T Posts) Bay Window Inside Mount (3 T Posts) Bay Window Inside Mount (4 T Posts) Bay Window Inside Mount Bay Window Horizontal T Post

Bay Window Template List – Outside Mount	Bay Window Outside Mount (1 Bay – 1 T Post) Bay Window Outside Mount (1 Bay – 2 T Post) Bay Window Outside Mount (1 Bay Post) Bay Window Outside Mount (1 T Post) Bay Window Outside Mount (2 T Posts) Bay Window Outside Mount (3 T Posts) Bay Window Outside Mount (4 T Posts) Bay Window Outside Mount Bay Window Horizontal T Post
Bifold Panels	When ordering BiFold shutters, an even number of panels folding each way is essential. For Example; if there were 4 panels, 2 panels could stack each way, or all 4 to one side. If there were 6 panels, they need to all stack one way, or 2 panels to one side and 4 panels to the other side. The front of the panel is the side that the panels fold towards. The blades close up on this side and the hidden tilt is on the back unless requested otherwise. The narrower the panels (the more panels in the opening), the less they will protrude into the room when they are folded at approximately 90 degrees to the wall/architrave. BiFold Panels will not fold back 180 degrees to lay flat on a wall. By Default, Bifold panels are made with Rabbet Stiles where the panels meet to ensure the light gaps are kept to a minimum. If Concealed Hinges are ordered for added resistance to a breeze, square stiles are used. If ordering BiFolds as a room divider, extra Fascia and large light blocks (for on the front edge of sideboards) may need to be ordered for the back side of the shutters in the Extra's area. Note where you want the track to be positioned, if not wanted at the front edge of the headboard.
Bifold Framework	Default is a 100mm Headboard and Side Boards. On request in the Comments area 75mm, 140mm, 180mm or 220mm depths are available. Side Frames/ Boards are recommended on all Bifolding Panels. Please select “YES” in the “Left & Right” Framing Columns on the order form. When Side Frames/ Boards are selected a Light Block to be attached to the face edge of the SB will be supplied along with SB Mounting Blocks. If NO Side Frames/Boards are selected but a Light Block is required on each side, please select “Light Stop” in the “Left & Right” Framing Columns on the order form. The headboard and track will not exceed 4200mm in length, sizes ordered over 4200mm will be in two sections. The track will be divided according to the layout and the division in the headboard and tracks will be offset to provide a smoother operation at the join.
Bifold Outside Mount	Outside of Frame measurement MUST be supplied for Outside Fit, this must be to the top of the 19mm thick Headboard and include 20mm each side allowance for Sideboards on the left and right sides of the opening, if these are ordered. No deductions outside the frame are made for Face Fit applications, and it is assumed that there is space for 12mm returns on the fascia outside the width given.
Bifold Reveal Fit	For IN, unless otherwise stated, a deduction will be made for a Headboard, and a Headboard will be supplied. If no Headboard is required, please make this clear on the order form. Panels will not be the correct height if the supplied HB is not used. If fitting the track directly to a ceiling or reveal, allow 54mm clearance from the front of the top track (front edge of the reveal) for the Bifold panel to pivot. This assumes there is sufficient recess space for the blades. When ordering, the Panel Quantity must match the Layout Code e.g; 2 panels = LL; 4 panels = LLRR. If ordered IN, Fascia is supplied without returns unless otherwise requested.

Bifold Tilt Rod	It is recommended that Hidden Tilt Rod, or Rack & Pinion are ordered for all Bi Fold panels. However, if a Centre Tilt Rod is required it will be offset by 8mm to ensure the panels fold back evenly.
Bifold Tracks	Bi Fold Shutters must have both top and bottom tracks fitted to operate properly. The headboard and track will not exceed 4200mm in length, sizes ordered over 4200mm will be in two sections. The track will be divided according to the layout and the division in the headboard and tracks will be offset to provide a smoother operation at the join. Bi Fold Hardware i.e. wheels, top & bottom pivots, bumpers will be supplied. Bi Folds that have a centre opening layout i.e. LLRR – will be supplied with two independent top track stopper blocks. White toned panels are supplied with White bottom tracks. Stained panels with Brown bottom tracks, except Riva, Grey and Black toned panels will be supplied with Silver bottom tracks. Variations should be requested in the Notes area on the order form.
Box Window	See Corner Window for most information. Templates are below.
Box Window Template List	Box Window Box Window Inside Mount (1 T Post) Box Window Inside Mount (2 T Posts) Box Window Inside Mount (3 T Posts) Box Window Inside Mount (4 T Posts) Box Window Inside Mount Box Window Outside Mount (1 T Post) Box Window Outside Mount (2 T Posts) Box Window Outside Mount (3 T Posts) Box Window Outside Mount (4 T Posts) Box Window Outside Mount
Calculation Column on Order Form	The blue Calculation cells labelled “Large Size Panel” and “m2” are for your information only and can’t be changed.
Concealed Hinges	Concealed Hinges are rebated into the stile and are nearly invisible when the panel is across the opening. This hinge helps resist zig-zagging when a Bifold opening is exposed to a breeze. It’s suitable for standard stiles only and can also be fitted to L frames for a frameless look. Use the Order Form Comments section to order this option. Surcharge applies
Corner and Box Window Measuring Guide	The WIDTH of Corner or Box Window arrangements decrease the further out they are fitted from the windows. Therefore, it is vital that the measurements given are taken at the correct depth. This varies if the opening has an architrave that will affect the position of the frame. RECESS FIT L FRAME – Measure where you will position the front edge of the frame, which is usually the front edge of the reveal. Use template “Corner Window – Inside Mount” or Box Window – Inside Mount. Z FRAME NO ARCHITRAVE – Measure where you will position the back face of the overlapping part of the frame, which is the front of the reveal. Use template “Corner Window – Inside Mount” or Box Window – Inside Mount. Z FRAME WITH ARCHITRAVE – Measure where you will position the back face of the overlapping part of the frame, which is at the face surface of the architrave, from the edge of the reveal to the opposite edge of the reveal. Use template “Corner Window – Inside Mount” or Box Window – Inside Mount. FF L FRAME – Measure where you will position the base of the frame, which is the front edge of the architrave, or (if no architrave) the wall. Use template “Corner Window – Outside Mount” or Box Window – Outside Mount.

Corner and Box Window Ordering	The standard order form must have “Gross Opening Width” measurements supplied as a combined total of all 2 or 3 separate corner section measurements e.g. 600mm + 1200mm + 600mm = 2400mm “Gross Opening Width”. “Corner Window” must be Selected in the Window type column on the order form. Include all T Posts and Corner Posts in the Layout code. Using a ‘C’ in the Layout Code represents a 90o Post. Include T posts, but not Bay Window posts in the order form column T Post Quantity, and the position in the adjacent columns.
Corner or Box Window Template	Please see the Corner and Box Window Measuring Guide in this glossary. Use the correct Corner or Box Window Template. These are available by email from PACIFIC if you do not have them on hand. If the opening is 3 sided (a Box Window), check the list for the availability of a special diagram. If not available, add the third side to a corner diagram by drawing it on the template. If the opening requires T Posts for hinging extra panels, check the list for the availability of a special diagram. If not available, draw these on a diagram.
Corner Window Template List	Corner Window Corner Window Inside Mount (1 T Post) Corner Window Inside Mount (2 T Posts) Corner Window Inside Mount (3 T Posts) Corner Window Inside Mount (4 T Posts) Corner Window Inside Mount Corner Window Outside Mount (1 T Post) Corner Window Outside Mount (2 T Posts) Corner Window Outside Mount (3 T Posts) Corner Window Outside Mount (4 T Posts) Corner Window Outside Mount (5 T Posts) Corner Window Outside Mount (6 T Posts) Corner Window Outside Mount
Critical Mid Rail	If the mid rail can’t move up or down half a blade width, mark the item as “Critical Mid Rail” in Standard Special Comments, corresponding to the appropriate Line Item on the order form. If there is some leeway, please advise in the Special Comments notes area. For example, if the window mullion to be covered is 30mm deep, and the Mid Rail is 76mm deep, then the Mid Rail could be positioned up 23mm, or down 23mm and still cover the mullion. Make a note in the comments area for this item “MR can move +/- 23mm". This flexibility could allow the designer to deliver a more balanced panel, or to match blade heights with another panel that is side by side.
Custom Colours	Our factory has the current Dulux Fandeck selector on hand and will match to this. The closest match possible will be made. Lighting, gloss level, texture and coating application methods all contribute to the appearance of paint colour. Even the closest match may appear different in comparison to a different surface.
Double Hinged Panels	Double Hinged Panels (Hinged Bi Fold) can be a good solution for windows where a fixture such as a tap prevents a wider single panel from opening fully, or where the customer wants the panels to fold back off the window, without any frames obstructing the view or access to the window. If fitted in a Z or FF Frame, the panels will fold back to the wall. Some customers want their shutters to fold off the opening to preserve a view, or to be able to lift out sliding windows to clean them. This mounting method will facilitate this. Caution should be exercised as the cumulative weight of the two panels must be taken into account. For this reason, there are panel width restrictions. Double Hinged Panels cannot be made wider than the Double Hinged Standard Maximum sizes as shown in the Shutter Range & Mounting Methods Reference Charts. This type of shutter may need to be lifted slightly on and off its frame or window sill, therefore ordering a Double Hinged without a bottom frame is not recommended. Bumper Stoppers will be supplied to support panels in the frame. The maximum number of Double Hinged panels attached together is two. When ordering the Panel Quantity must match the Layout Code.

Face Fit	When ordering Face (outside) Fit shutters, use frame samples to ensure the blades and tilt rods clear any impediments such as louvers, handles and so on. If the outside of the frame is to be mounted less than 70mm from the edge of the reveal, the blades will be entirely in front of the recess, therefore the blades may open into any clear space in the recess, reducing the depth of frame required.
Face Fit Depth Required	If there is no clear reveal that the blades can open into, with Hidden tilt rods, measured from the front edge of the frame, 89mm blades need 62mm; 63mm blades need 50mm and 114mm blades need 75mm Frame depth. This depth can be reduced by approx. 4mm if a Rack and Pinion, Centre or Offset tilt is ordered.
Fixed with Lightstop Beading	To order Fixed with Lightstop Beading, fill in the order form except the columns from Layout Code to Bottom Frame. Select the "Panels Fixed with Lightstop Beading Front & Back" option on one of this item's Standard Special Comments columns. As openings without windows are frequently significantly out of square, or not straight, the beading will be supplied longer than the opening size to allow the installer to trim for a perfect fit. If exact sizes are required, list the specific lengths of beading in the Special Comments.
Fixed with Magnets	To order the entire opening Fixed with Magnets, complete the order form as for hinged panels and select the "Panels Fixed with Magnets & Catches" option on one of this item's Standard Special Comments columns. To order specific panels to be fixed with magnets, complete the order form as for hinged panels and note in the Special Comments which panel(s) numbered from left to right that should be Fixed with Magnets and Catches. Width and drop guidelines are the same as hinged panels, please see Shutter Range & Mounting Methods Reference Charts. Fix the panel securely if the magnet fixed panel will be subjected to wind behind it, or if situated where a child could pull the panel onto itself.
Fixed with U Channel	Fixed with U Channels are suitable for Recess Fit only. When ordering, there is NO Layout Code Required; however, the Panel Quantity must be specified. Where more than one panel is required in an opening, Rabbet stiles are used to reduce any light gaps between panels. Astragal Stiles (D moulds) are not suitable. Light Stop is supplied for the front side of the panel, when selected in the "Left & Right" Framing Columns on the order form. Extra Light Stop can be ordered for the back. This needs to be requested in the "Extras" section on the order form. If light stop is fitted to the panels, the panels will not be removeable. This is ideal if the arrangement is between two rooms, used as a room divider, or are situated where the panel could be knocked up and out of its frame by accident. Width Deduction is 1mm off the width of the U Channels and 3mm off the width of the panel.
Flat Stile	Specify Flat Stiles in Stile drop box on order form to receive stiles without a bead (groove).
Flush Bolt	Available to be fitted to Bifold Panels to assist avoiding the panels blowing into a zig-zag. Usually fitted one per pair at the bottom of the stile. Flush Bolts are required for Free-Sliding Bifolds. Use the Order Form Comments section to order this option. Surcharge applies.
Hanging Strip	For this application the Hanging Strip is mounted to the sides of the reveal, behind the panels. L shaped Hinges are placed on the face side of the Hanging Strip, which allows the Hanging Strip to act as a light block. A Light Stop is used at the top and bottom of the window frame, with the magnet catches attached, to secure the panel and to block light.
Hinge Number	The number of hinges for each item is calculated outside the order form in column AU. This is handy if quoting Stainless Steel hinges.

Horizontal T Post Template List	Horizontal T Post Horizontal T Post with Filler Board
Location	Specifying the Location on the order form helps the installer to distribute boxes into the correct room. This option also advises the shutter designer that several items are in the same room. Some items of a similar drop may be made with different blade numbers and rail sizes as they fall either side of a guideline. To prevent this, please advise in the notes section if any items are “side by side”. If they are side by side but have significantly different opening heights, note if they line up at the top or bottom.
Mid Rail Position	Every effort will be made to have the mid rail placed in the exact position requested, but there can be some variances depending on the height of the panels. A well- balanced panel ideally has rails of equal depth, or smaller top rails than the bottom rail. This can mean that the Mid Rail may be moved up or down, up to half a blade width. If the midrail can’t move up or down half a blade width, mark the item as “Critical Mid Rail” in Standard Special Comments, corresponding to the appropriate Line Item on the order form. If there is some leeway, please see “Critical Mid Rail” above
Moisture Resistance	TIMBER eco shutters are moisture resistant, therefore able to withstand normal levels of atmospheric moisture in humid climates. Although tough and hard wearing, they are not water proof and therefore not recommended for windows that are specifically in wet areas, or rooms that can create a lot of condensation e.g. laundries, bathrooms or kitchens.
No Frame at The Bottom	It is best to order Framed Shutters with full four-sided framing, however exceptions to this may apply if the side frames run to the floor. Without a bottom frame, pairs of panels will not have a frame on which to mount bottom magnet catches. Panels may not sit perfectly aligned without bottom catches, or light stops
Numbering Panels	Within an Item, panels are numbered from left to right to identify them. For example, in a four panel arrangement, the left hand panel is Panel 1; next to it on its right is Panel 2; then Panel 3 and the extreme right hand panel is Panel 4. Use these panel numbers to clearly identify any Special Comments or requirements for particular panels. If numbering Tier on Tier Panels, please number the top panels left to right, then the bottom panels left to right
Order Exceeds 15 Items	If your order exceeds 15 Items, enter Items 16 and over on a new order form(s). On the Summary, label the pages PAGE 1 OF X and PAGE 2 OF X and so on (X = the total number of order form pages in the order)
Order Form Help	There are a number of cells that have helpful comments embedded. Hold your curser over the cell to read these.
Paulownia	Paulownia (Paulownia tomentosa) is used in applications where a lightweight, yet strong timber is needed. It is perfect for plantation shutters due to its resistance to moisture, straight grain, light weight, durability, high silica content, decay resistance and because it takes a wide variety of glues, stains, and finishes well. No health reactions have been associated with Paulownia, which has no noticeable odour. It is a fast-growing plantation timber which is not an endangered or threatened species. Among the absolute lightest woods available, it is also one of the most stable woods with regard to humidity and has very low movement in service. Paulownia is prized in Asia and used for furniture, boxes, musical instruments (electric guitar bodies), clogs, carvings, shoji screens and other small specialty items. More recently Paulownia has become known as the best wood for shaped timber surfboards.
Pivot Hinge	Pivot hinged shutters with more than 1 panel will be supplied with a D-Mould/Astragal Stile (Rabbet stiles are not available with Pivot Hinges). Please specify the D location clearly in the Layout Code. If a D Mould is not required, please clearly note this in the

	Special Comments. Magnets & L shaped catches are included. Light Stop is an option, please specify in the Left/Right/Top/Bottom drop downs on the order form. D Moulds will be notched out at the top and bottom to accommodate any adjacent Pivot Hinges.
Rabbet Stile - Changing Default Side	Right hand panels always open first as default, unless otherwise requested in the Special Comments. There are two options to request the left-hand panel to open first where required. Firstly, if all pairs of opening panels in the item are to be left first, use the Standard Special Comments drop down "Left Panel Open First". If a mix of left and right panels are to open first, specify panels by assigning panel numbers from the left to right and make a request in Special Comments corresponding to the related Line Item on the order form. For example, "Panel 2 and 3 to open first".
Rail Depth (Height)	Top & Bottom Rail heights are variable depending on the height of the panel and the number of blades required. Panels can be ordered with "Maximum Amount of Blades" or "Smallest Possible Top and Bottom Rails" requested in the Special Comments. However the Top and Bottom Rails must be made within factory determined specifications so it does not affect the integrity and overall strength of the panel. Smaller rails contribute to the possibility that panels may need to be lifted onto and off their frames. Top and Bottom Rails will not be made with a height of less than 80mm without a warranty waiver.
Reveal Depth	The depth of the reveal, where the shutter or frame will be mounted, needs to be measured, to ensure no mullions, handles or key locks etc. will interfere with the operation of the blades when open. With Hidden tilt rods, measured from the front edge of the frame, TIMBER eco 89mm blades need 62mm, 63mm blades need 50mm and 114mm blades need 75mm clear depth. This depth will then determine the framing options available to suit the requested blades. All default Recess fit frames (L and Z) are 50mm deep. Recess Fit L frames are positioned flush to the front edge of the reveal, whereas Z frames are positioned partially in the reveal and partially into the room as they wrap over an architrave or the wall.
Reveal Fit Frames	Frames are useful for most reveal fit applications, as they enable the shutter panel to be installed square in the frame. The overlap on a Z frame will cover gaps. Alternatively, any uneven gaps around an L frame can be filled with a flexible filler, such as No More Gaps.
Ring Pull	Ring Pulls will assist gathering Bifold panels to stack them. Usually fitted one per pair of panels in the centre of the stile, default is opposite the midrail. Use the Order Form Comments section to order this option. Surcharge applies
Shaped Shutters Framing	The use of framing on all Shaped Shutters is highly recommended. Z frame is best for recess fit as most shapes are square stopped and will have some variances. FF L Frame is ideal for Face Fit.
Shaped Shutters Ordering	Drawings for straight line shapes and Templates for curved shapes must be supplied as supporting documentation to the Standard Order Form. "Shaped Shutter – see attached diagram" must be selected in the window type column on the order form. Shaped Shutters require a longer lead time, due to the specialised processes involved, the date of order begins from when the factory drawings have been approved (by the customer) and confirmed by the factory.
Side by Side	Side by Side is a term that, when used in Special Comments, advises the shutter designer that several items are in the same room. Some items of a similar drop may be made with different blade numbers and rail sizes as they fall either side of a guideline. To prevent this, please advise in the notes section if any items are "side by side". If they are side by side but have significantly different opening heights, note if they line up at the top or bottom.

Sliding L Brackets	Default sizes supplied (unless otherwise specified): 75mm Bracket – supplied if requested 100mm Bracket – supplied with 100mm Headboard 135mm Bracket – supplied with 140mm Headboard 180mm Bracket – supplied with 180mm or 220mm Headboard
Sliding Bottom Guide	Floor Guides are only recommended for single (not Combo) TIMBER eco panels. They are fitted where the panels overlap. Bottom Track is highly recommended as tracks with spring loaded guides give stability to both ends of the panel, reducing wear on components and delivering smooth operation.
Sliding Fascia	For all Sliding Panels a Fascia will be supplied. IN arrangements are supplied without returns unless returns are requested in Special Comments. Please specify length of return based on the longest side (external mitre). OUT arrangements are supplied with returns to fit the head board depth. Please note if fitting to an architrave, you may require returns that are longer by the depth of the architrave. Please request this in Special Comments.
Sliding Frame Depths	2 Tracks of panels with 63mm blades will pass with the blades open on a 140mm Headboard, if fitted to the wall without architrave; with an architrave that is less than 50mm wide and no more than 12mm deep; or directly onto an existing architrave. 2 Tracks of panels with 89mm blades will pass with the blades open on a 180mm Headboard if fitted to the wall without architrave; with an architrave that is less than 50mm wide and no more than 12mm deep; or directly onto an existing architrave.
Sliding Layout Codes	When ordering the Panel Quantity must match the Layout Code e.g. 2 Panels = BF; 2 Combo Panels (4 panels joined in pairs) = BBFF and Panel QTY is 2; 4 sliding panels centre opening is BFFB with Panel QTY 4.
Sliding Open or Closed	There are two sliding options with Sliding Panels; Sliding OPEN is when the blades will bypass when fully open. This the recommended option for most situations. Sliding CLOSED is when the blades must be closed prior to sliding one panel in front of the other. This is recommended for three or more track arrangements. Sliding CLOSED panels have their blades closed when stacked, therefore preventing light and view through the stacked panels, which can darken the room unintentionally. There is a risk of damage, if the panels are slid without first closing the blades, therefore sliding closed is not recommended in rental accommodation, commercial, or children's rooms.
Sliding Panel Frames	Headboard, Sideboards and Bottom Boards in each opening are supplied the same depth as each other. There are 4 standard board depths to select from, depending upon if the arrangement is sliding open or closed; blade size; the number of tracks; and any protrusions in the opening, including an architrave (see configuration chart). The headboard and track will not exceed 4200mm in length, sizes ordered over 4200mm will be in two sections. Stains can be supplied up to 4200mm however there will be a join (made pre-finishing) that may be visible on boards over 2500mm. This join will be positioned in consideration of the arrangement. For example, a 4000mm opening with BFFB, the Fascia will be joined at 2000mm. Side Frames/Boards are recommended on all Sliding Panels. Please select "YES" in the "Left & Right" Framing Columns on the order form. Side Frames/Boards will be the same size as the Top Frames/Headboard. When Side Frames/ Boards are selected a large Light Block will be supplied for the face edge of the SB, along with small Mounting Blocks. If NO Side Frames/Boards are selected, but a Light Block is required on each side, please select "Light Stop" in the "Left & Right" Framing Columns on the order form. Light Blocks for the overlap between the panels are supplied with all Sliding panels when 'Sliding Open' is requested on the order form. To reduce the light gap when the panels meet, the size of the Light Blocks will vary depending on the blade size chosen.

Sliding Track Colours	White toned panels are supplied with White bottom tracks. Stained panels with Brown bottom tracks, except Riva, Grey and Black toned panels will be supplied with Silver bottom tracks. Variations should be requested in the Notes area on the order form.
T Posts	If T Post(s) are to be situated so that the panels are all equal widths, use the drop down "All Even Panels" in one of the Standard Special Comments columns. For unequal width panels, specify where you require the T Post to be situated, measuring from the left-hand side of the opening to the centre of each T Post, in the T Post columns on the order form. T posts are most commonly placed in front of a window mullion. Exceptions can be when the window catch may be rendered difficult to access behind a T Post. In this case, position the T post elsewhere, or consider using a frame that offers more clearance. T Posts can also be used horizontally to split panels in an opening instead of using a mid-rail. Please see Horizontal T Posts.
Tall Panels	Any shutter over 2500mm high will require two mid rails, however only one of these mid rails can be specified as "Critical Mid Rail" – please specify which Mid Rail is Critical (if any) on the order form, in the Special Comments.
Templates Available	SEE Bay Window; Corner Window; Box Window; Horizontal T Post; or Door Cut Out in this glossary for a list of Templates available
Water Proof	TIMBER eco shutters are not water proof. Should TIMBER eco shutters be caught in a rain shower and become wet, all water must be dried as soon as possible. A hair-drier on a cold setting can be used to blow water out from between the stile and blades and a soft towel used to ensure no water is left between and around the frame and panel. Any resulting water damage is not covered under warranty.

16. Shutter Range & Mounting Methods Reference Charts

Please refer to the following pages.

Shutter Reference Chart

Material		Timber
Shutter Range		**Timber Eco™**
Selling Features		*Largest Range Of Colours* *Painted & Stained Finishes* *Wide Panels* *Broad Range Of Options* *Genuine Timber* *Custom Colours Available On Request* *Special Bi-Fold Features; Concealed Hinges, Pull Rings & Flush Bolts*
Material		
Material		Paulownia Timber
Advantages		
Fire Retardant		
Termite Proof		
Insulative Properties *Keeps Homes Both Cooler In Summer & Warmer In Winter*		✓
Repels Moisture		
High Tensile Coatings *Will Not Crack Or Peel*		
Colour	*Finish*	**Colour Options**
Antique White	*Painted*	✓
Eggshell		✓
Grey		✓
Jasper		✓
Light Grey		✓
Pure White		✓
Slate		✓
White		✓
Custom Paint [1]		✓
Black Walnut	*Stained*	✓
Cedar Medium		✓
Maple		✓
Riva		✓
Walnut		✓
Blade Types		
Blade Shape		Elliptical
Size		**Blade Sizes**
63mm		✓
89mm		✓
114mm		✓
Tiltrod Types		
Centre		✓
Hidden		✓
Off-Set		✓
Rack & Pinion		✓
Panel Heights		
Minimum Panel Height		350mm
Maximum Panel Height		3000mm
Midrail Required Over		1800mm
Panel Widths		
Minimum Panel Width		250mm
Standard Panel Width (Maximum)		950mm
Over Standard Panel Width For 63mm Blades *(Maximum)* *With Hinged, Fixed, Sliding Mounting Options Only*		N/A
Over Standard Panel Width For 89mm Blades *(Maximum)* *With Hinged, Fixed, Sliding Mounting Options Only*		N/A
Maximum Panel Widths - By Mounting Method		
Maximum Panel Widths - By Mounting Method		*Please Refer Next Page*
Rail Profiles & Hinge Sizes		
Top & Bottom Rail		Standard Profile
Hinge Size		Standard 77mm
Special Options Available		
Shaped Shutters		✓
Door Cutouts		✓
Bay Windows		✓
Corner Windows		✓
Fluffy Strip Stile		✖
Pivot Hinged Panels [2]		✓
Lockable		✓
Motorised Option		✓
Suitable For Wet Areas		✖
Notes:		*[1] Custom Paint Surcharge Applies.* *[2] Pivot Hinges Are Only Available In White & Stainless Steel.* *Larger Panels may sometimes require lifting in to the frame.*

Shutter Mounting Methods Reference Chart

Options		Hinged Panels	Double Hinged Panels	Fixed Removable Panels	Bi-Fold Panels	Sliding Panels
Recommended Applications For Use		*Windows*	*Windows*	*Fixed Glass Windows* *Wall Cut-Outs*	*Room Dividers* *Doorways*	*Room Dividers* *Doorways*
		Allowances				
Recess Fit (IN)		✓	✓	✓	✓	✓
Face Fit (OUT)		✓	✓		✓	✓
	Product	**Panel Widths**				
Minimum Panel Width	*Timber Eco*	250mm	250mm	250mm	250mm	250mm
Maximum Panel Width	*Timber Eco*	950mm	600mm/1200mm Over 2 Panels	950mm	700mm	950mm
Maximum Panel Width - Combo Panels	*Timber Eco*	N/A	N/A	N/A	N/A	1500mm
		Panel Heights				
Minimum Panel Height	*Timber Eco*	350mm	350mm	350mm	350mm	350mm
Maximum Panel Height	*Timber Eco*	3000mm	N/A	3000mm	3000mm	3000mm
		Framing Options				
L Frames (In/OUT)	*Timber Eco*	✓	✓	✓ *(With Magnets & Catches)*		
Z Frames (IN)		✓	✓	✓ *(With Magnets & Catches)*		
T Post (Hinging Extra Panels)		✓	✓	✓ *(With Magnets & Catches)*		
Top & Bottom U Channels				✓		
Left & Right Light Stops		*Optional*		✓	✓	✓
Top Headboard (100mm) With Track					✓	✓
Top Headboard (100mm, 140mm, 180mm, 220mm) With Track						✓
Top Fascia					✓	✓
Sideboards (100mm)					✓	✓ *(To Match Headboard Size)*
Large Light Block					✓	✓
Mounting Block					✓	✓
Bottom Track/Track On Or In-Board					✓	✓
Floor Guide						✓
		Special Options Available				
Shaped Shutters		✓ [1]	✖	✓	✖	✖
Door Cutouts		✓	✓	✓	✓	✓
Bay Windows (135° Bay Post)		✓	✓	✖	✖	✖
Corner Windows (90° Corner Post)		✓	✓	✖	✖	✖
		Layout Code Examples				
Layout Code Example		LR LTLR RTRTR	LL RR LLRR	No Layout Codes Required	LL RR LLRR	BFFB BMFFMB
Layout Code Explanation			*Two panels hinged together, with no top or bottom tracking.* *Maximum two panels hinged together.* *Combined panel width must be less then panel height.*	N/A	*Can only have even panels* *(i.e. 2/4/6/8 etc)*	*Either slide with blades open or closed, based on headboard sizes chosen.* *Combo Panels - 2 panels hinged together to slide as one.*
Notes:		[1] *Must hinge from the longest side of the panel.*				