



# Custom Made Shutter Manual Internal Applications



**Designer Eco  
Designer Eco Plus  
Designer Eco Night**

**September 2024**

*Version 2024.1*

Copyright © Pacific Wholesale Distributors 2008.

Unauthorised use and/or duplication of this material without the express written permission from the owner is strictly prohibited.



# TERMS AND CONDITIONS OF TRADING

Effective: 15<sup>th</sup> August 2022

## Payment Terms

Strictly net 30 days, if there is a problem with payment, please contact us.

Pacific Wholesale Distributors reserve the right to:

1. Refuse delivery to any overdue account.
2. Charge interest on overdue accounts.
3. Refuse credit.

## Delivery Terms/Freight

Sydney Metropolitan \$56.69 – Order value below \$1,000

Regional & Interstate \$85.04 – Order value below \$1,000

Orders that exceed these values will be Free Into Store (FIS).

The additional freight charges are below;

Charge Type	Details
Tail Gate <i>Delivery to a site where there is no forklift, and pallets or other heavy consignments requires the use of a tail gate/tilt lift truck</i>	\$97.00 includes up to 2 pallets \$49.00 per additional pallet thereafter
Hand/Manual Unload <i>Delivery to a site where there is no forklift, and the consignment needs to be unloaded by hand</i>	\$74.00 per pallet or large loose item
Rejected/Futile/Un-Deliverable Delivery <i>When a consignment cannot be delivered due to the receiver being unavailable or the consignment is refused by the receiver</i>	\$92.00 includes up to 2 pallets \$46.00 per additional pallet thereafter
Waiting Time	\$69.00 after the first 30 minutes
Time Slot/Delivery Time Restriction Fee <i>When a consignment requires; A date/timeslot to be booked or a specific delivery day/time window Delivery before 2:30pm</i>	\$52.00 per consignment
Over Length Surcharge – Over 3.7m Long	\$144.00 per consignment <i>Only applies when the order value is less than \$2,000 Ex GST</i>
Residential Delivery	\$114.00 per pallet or large loose item
Post Bag	\$17.01
Overnight Express Post Bag	\$28.35



## **GST**

GST is charged on all items at a rate of 10%.

All prices quoted in this product catalogue or additional prices **do not include GST**.

## **Claims**

1. All credit claims must be in writing, including the relevant invoice numbers.
2. Claims must be submitted within 7 days of receipt of goods.
3. Goods may not be returned for credit without prior authorisation.
4. Pacific Wholesale Distributors will only replace faulty stock and will accept no further liability.
5. All returns are subject to a 20% re-stocking fee.

## **Title**

Property title in all goods remains with Pacific Wholesale Distributors until the goods are paid for in full.

**PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE**

## Contents

1.	Introduction .....	4
2.	Ordering and Measuring Process.....	9
3.	Options and Specifications .....	13
4.	Mounting Methods .....	24
5.	Hinged Panels.....	30
6.	Extra Framing for Hinged Panels .....	42
7.	Double Hinged Panels .....	43
8.	Fixed Removable Panels .....	44
9.	Bi Fold Panels .....	47
10.	Sliding Panels .....	55
11.	Special Requirement Windows & Options.....	68
12.	Hardware and Extra Timbers .....	82
13.	Ordering and Terminology .....	86
14.	Sales Aids .....	88
15.	Shutter Remake Process.....	91
16.	Care and Maintenance .....	92
17.	Shutter Questions and Answers .....	93
18.	Glossary.....	95
19.	Shutter Range & Mounting Method Reference Chart.....	104

# 1. Introduction

Elegant and stylish, our Designer Eco/Eco Plus/Eco Night Shutters will add value to a home and they are energy efficient too, helping to keep a house cooler in summer and warmer in winter.

Our Shutters offer an uninterrupted view and allow complete control of light, heat, air and privacy by simply tilting the shutter blades.

Designer Eco/Eco Plus/Eco Night shutters have a superior, scratch resistant paint finish for longevity and they are easy to care for. Available in a range of colours, our Designer Eco/Eco Plus/Eco Night Shutters will complement and enhance any interior. Our Shutters are VOC compliant and will not crack or peel due to the high tensile lead-free coatings.

## **Designer Eco/Eco Plus /Eco Night Features:**

- Made from a PVC extrusion that has the look of real wood.
- Comes with the option of a fluffy strip stile (standard for Designer Eco Night) which provides increased privacy.
- Water Resistant making it an ideal product for wet areas such as bathrooms, kitchens and laundries.
- Durable; they will resist knocks and scratches with our Scratch resistant paint finish.
- Termite Proof and Fire Retardant.
- A Great Insulator; they help to keep homes cooler in summer and warmer in winter. Coated with High Tensile Coatings that will not peel or crack.
- Blades are available in a choice of two sizes including 63mm and 89mm (Designer Eco Night Blades are 92mm)
- Extensive range of Frame Options.
- Available in Wide Panel options

## **Designer Eco Plus Features:**

- Significantly superior dimensional strength, long term stability and joint rigidity allowing wide panel options. These features are due to high gauge reinforced stiles; advanced reinforced rails; heavy-duty 90mm precision-made hinges and a unique patented bracket system.
- Flattering, modern, soft curved top, bottom and mid-rail rebate design allowing improved closure and aesthetic.

## **Designer Eco Night Features:**

- Unique Room Darkening Design featuring Interlocking Blades and Top/Bottom Rail intended to eradicate light leakage between blades and between rails and blades.
- Fluffy Strip is Standard on Designer Eco Night, which seeks to reduce light seepage between blades and stiles.
- Hidden Control
- 90mm Hinges

**Designer Eco/Eco Plus Mounting Options:**

- Hinged
- Double Hinged
- Fixed
- Top Hung Sliding System
- Bottom Wheel Sliding System
- Bi Fold

**Designer Eco Night Mounting Options:**

- Hinged
- Fixed

**Designer Eco/Eco Plus/Eco Night Features Standard Colours Available:**

- Super White
- Snow White
- Bright White
- Classic White
- Vanilla

**Designer Eco/Eco Plus/Eco Night Features Speciality Colours Available:**

- Infinite White
- Snowy Mountains White
- Polar White
- Quiet White
- French White
- Ceylon
- Snow Gum Grey
- Earl Grey

For details on Colours please refer to the [Shutter Range & Mounting Methods Reference Charts](#)

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

## 1.1 Scratch Resistant Paint Finish

Our innovative paint formula combines durability and elegance, ensuring that your Fauxwood Designer Eco/Designer Plus/Designer Night shutters resist scuffs and scratches whilst minimising everyday wear. Ideal for both stylish interiors and high-traffic areas, this unique paint delivers a pristine finish that enhances the protection and longevity of the shutters.

Our Scratch Resistant Paint finish comes standard on all of our Fauxwood Designer Ranges from 1st July 2024.

## 1.2 Photo Gallery of Designer Eco/Eco Plus/Eco Night Shutters

### Designer Eco Shutters



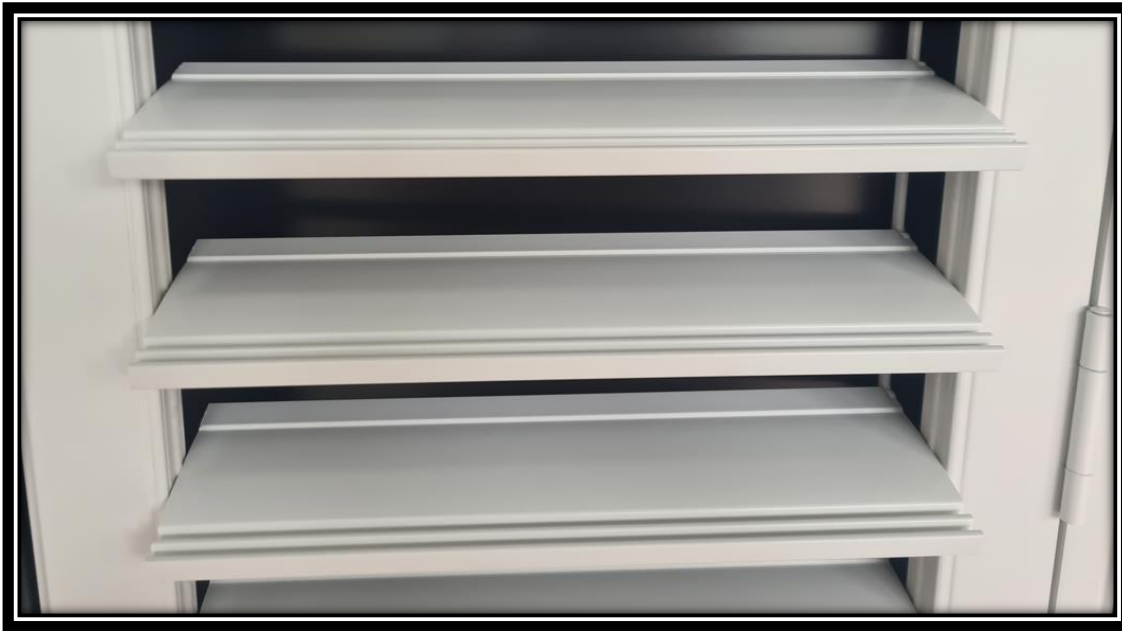


**Designer Eco Plus Shutters**





## Designer Eco Night Shutters



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

## 2. Ordering and Measuring Process

All orders **MUST** be submitted electronically in Excel by using the latest version of Pacific Wholesale’s **Designer Eco/Eco Plus/Eco Night** Shutter Order Form.

References to the Shutter Order Form will be made throughout this manual. If you do not have the latest version of the Designer Eco/Eco Plus/Eco Night Shutter Order form, please email [shutterorders@pacificwholesale.com.au](mailto: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.

“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
3	Combo Panels
4	Critical Mid Rail
5	Customer Rework
6	Do Not Split Tiltrod
7	Horizontal T Post
8	Horizontal T Post Filler Board Above
9	Horizontal T Post Filler Board Below

Item #	Standard Special Comments # 1
1	
2	Left Panel Open First
3	Maximum Blades Possible
4	Mid Rail May Be Up To 40mm Higher/Lower, Unless "Critical Mid Rail"
5	Motorised No Remote
6	Motorised With Remote
7	Panels Fixed With Light Stop Beading
8	Panels Fixed With Light Stop Beading, Front & Back
9	Panels Fixed With Magnets & Catches

Item #	Standard Special Comments # 1
1	
2	Panels Fixed With Magnets & Catches
3	Side By Side
4	Smallest Possible Top & Bottom Rails
5	Split Tiltrod In Half
6	Split Tiltrod In Half Above Mid Rail
7	Split Tiltrod In Half Below Mid Rail
8	Warranty Remake
9	White Magnet Catches

Please see an example of the **Designer Eco/Eco Plus/Eco Night** Order Form on the following page:

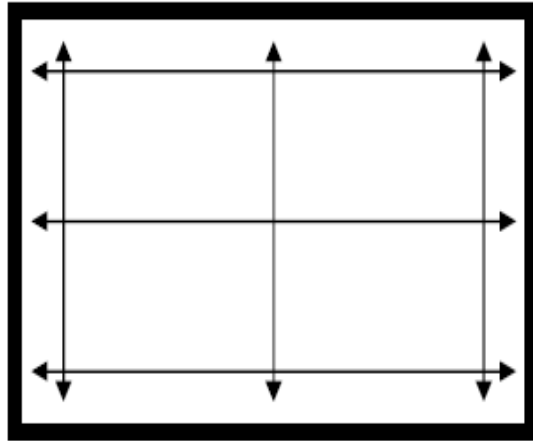
<b>Designer Shutters</b>										<b>STORE NAME:</b> <b>CUSTOMER NAME:</b> <b>DELIVERY ADDRESS:</b> <b>WORKSHEET # / PO:</b> <b>DATE:</b>										<b>Page 1</b> of 1							
<b>ORDERS EMAIL ADDRESS:</b> shutterorders@pacificwholesale.com.au																				<b>Total M2</b> 3.000							
<b>SALES ORDER NO.:</b>																				<b>M2</b> 3.000							
																				<b>Panel</b> 3							
																				<b>Total Trunk</b> 3.000							
																				<b>DESTINATION PORT:</b> SYD							
1	Room Location	Grass Oppn Width	Grass Oppn Height	HS to Opn	Panel Quant	Material & Product	Colour	Blade Size	Mid Rail Height	Window Type	Mounting Method	Logal Code	Frame Type	Left Frame	Right Frame	Top Frame	Bottom Frame/Track	Tilted Type	Blade Colour	HOLES in Oppn	Panel Quant	1st Y Panel	2nd Y Panel	3rd Y Panel	Side h Y Panel	Fluffz Slip	m2
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25	<b>Standard Special Comments # 1</b>					<b>Standard Special Comments # 2</b>					<b>Standard Special Comments # 3</b>					<b>More Specific Line Item Notes/Special Comments</b>					<b>General Notes</b>						
26																											
27																											
28																											
29																											
30																											
31																											
32																											
33																											
34																											
35																											
36																											
37																											
38																											
39																											
40																											
41																											
42																											
43																											
44																											
45																											
46																											
47																											
48																											
49																											
50																											
51																											
52																											
53																											
54																											
55																											

Page 1

## 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).

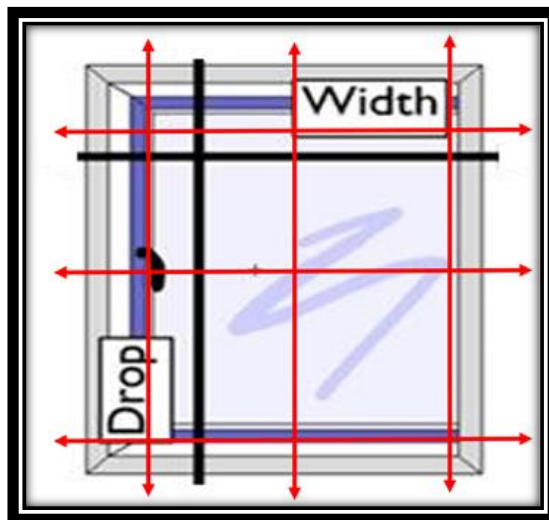


## 2.2 Out

### 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.

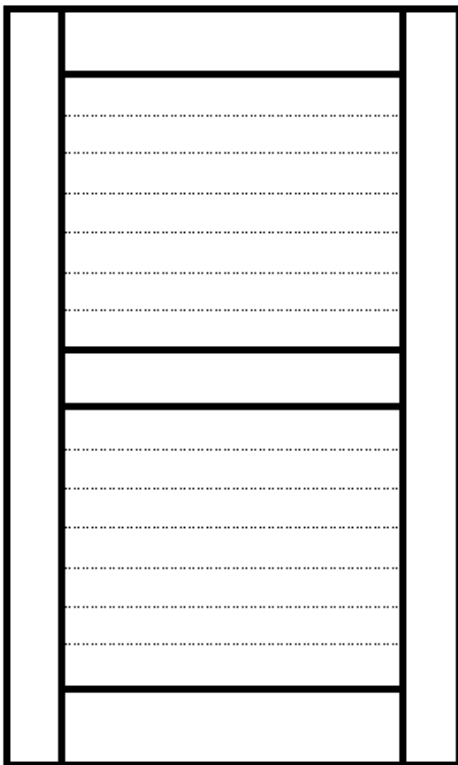
If the opening has an architrave the OUT measurements are usually from the outside of the architrave, to the outside of the opposite architrave. If there is no architrave, add the width of the frame to the recess measurement to find the outside of frame measurements.



## 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



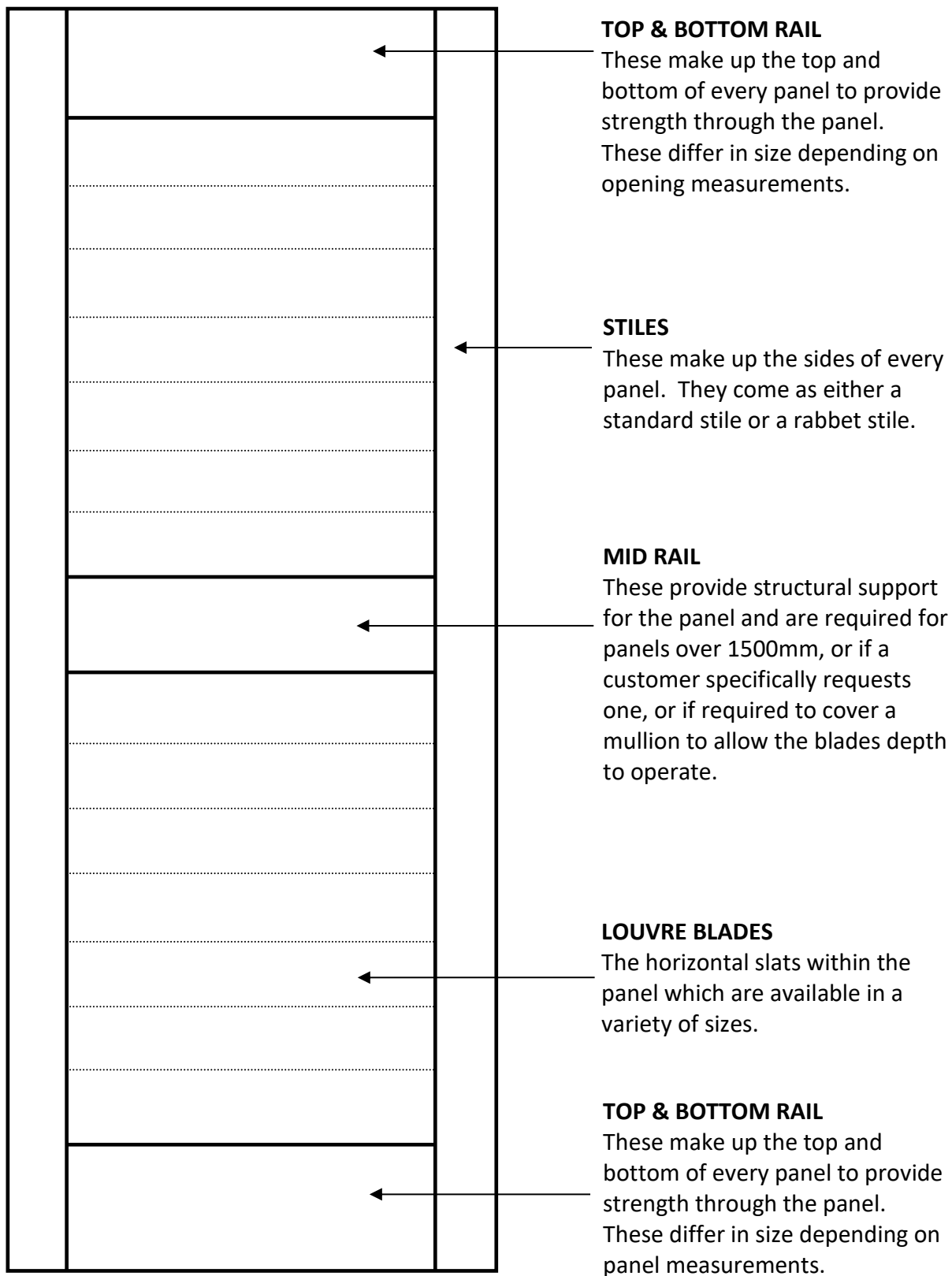
## 2.4 Special requirements

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



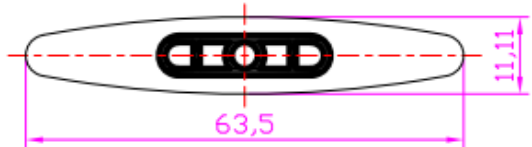

\*See Glossary and Reference Charts at the end of this manual for more detailed information

### 3.2 Standard Panel Dimensions - Designer Eco/Eco Plus/Eco Night

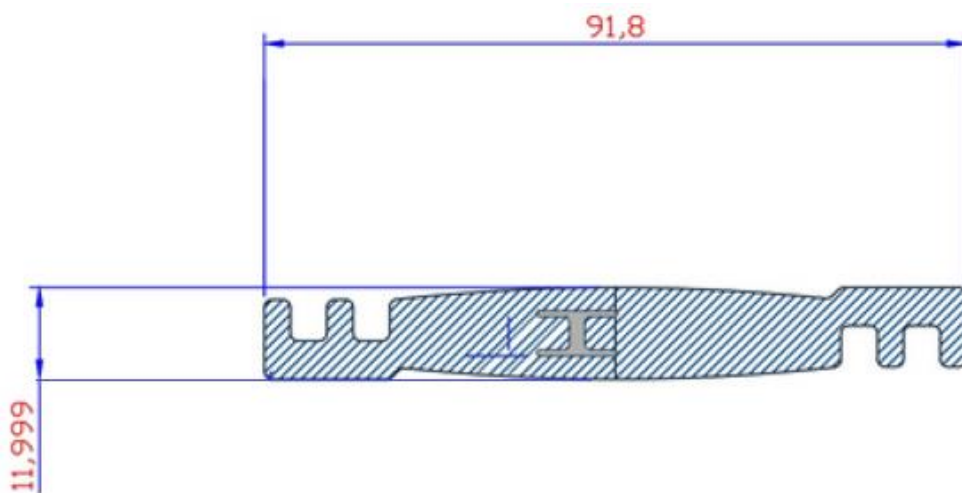
Please refer to the [Shutter Range & Mounting Methods Reference Charts](#) for Panel Dimensions – heights and widths.

Maximum Panel heights and widths are dependent on Mounting Methods, please refer to the [Shutter Range & Mounting Methods Reference Charts](#).

### 3.3 Designer Eco/Eco Plus Blades

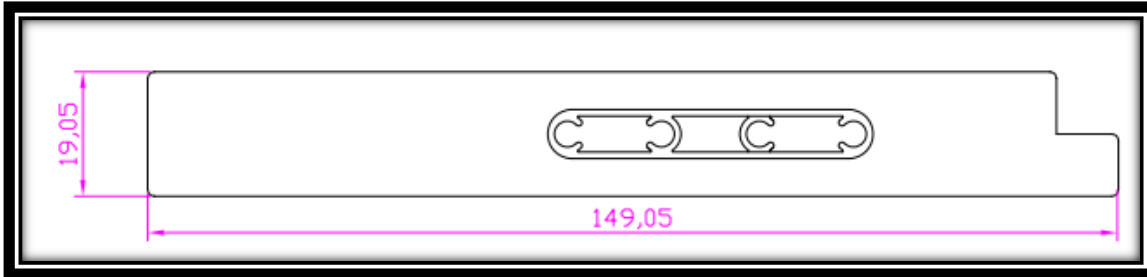
63mm	
89mm	

### 3.4 Designer Eco Night Blades

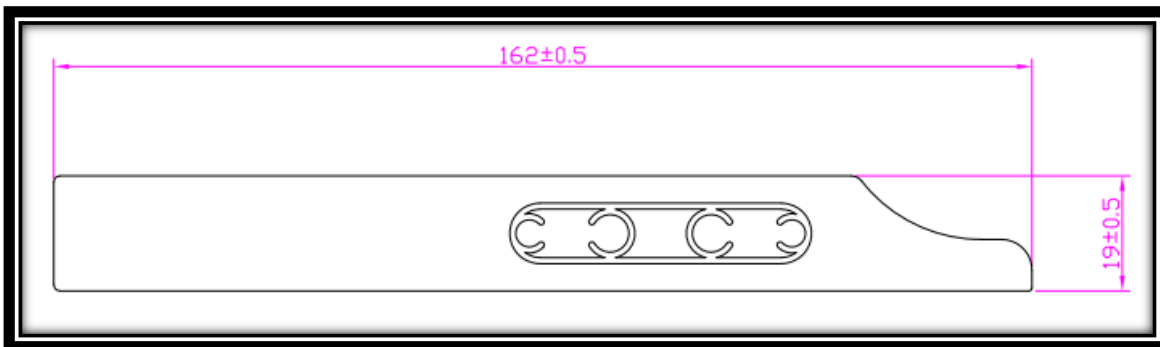


### 3.5 Top and Bottom Rail

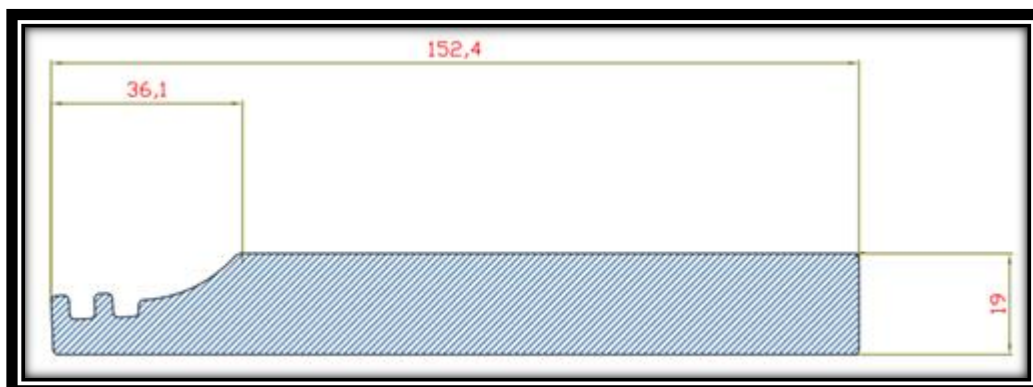
Designer Eco



Designer Eco Plus



Designer Eco Night



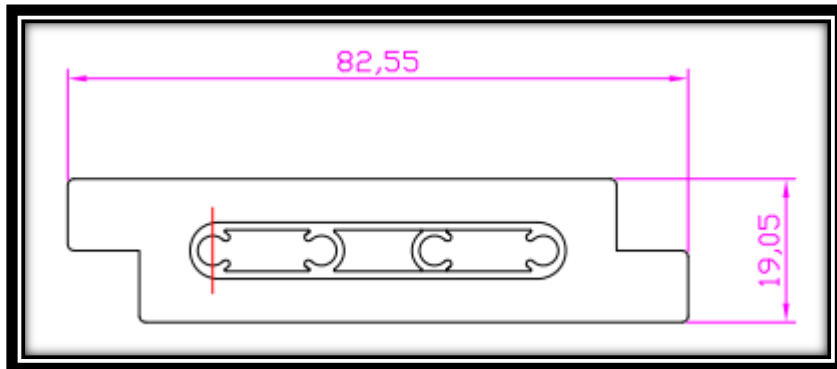


Please Note:

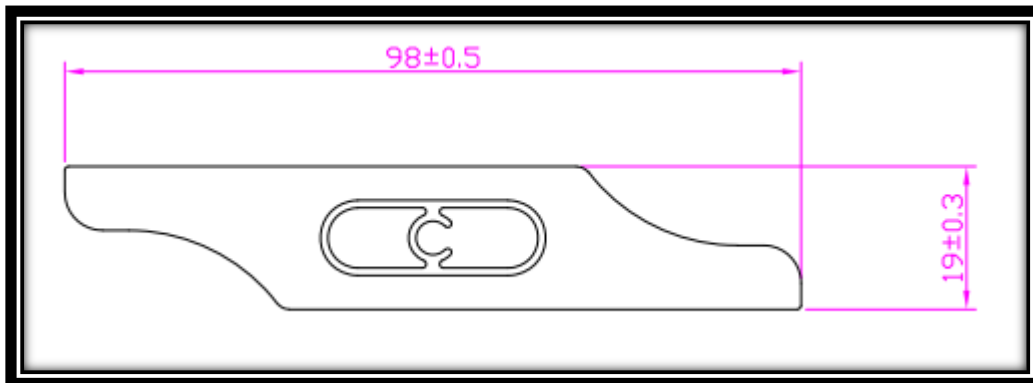
1. The Top & Bottom Rail are variable depending on the height of the panel and the number of blades required.
2. Panels can be ordered with “Maximum Amount of Blades” requested in the Special Comments; however the Top and Bottom Rails must be made within factory determined specifications so it does not affect the integrity and overall strength of the panel.

### 3.6 Mid Rail

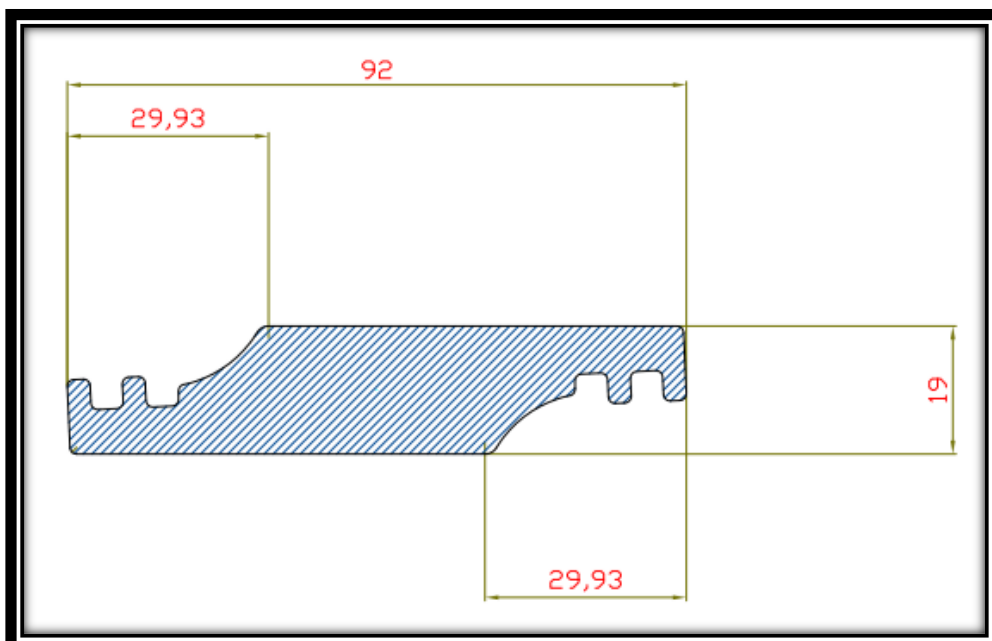
Designer Eco



Designer Eco Plus



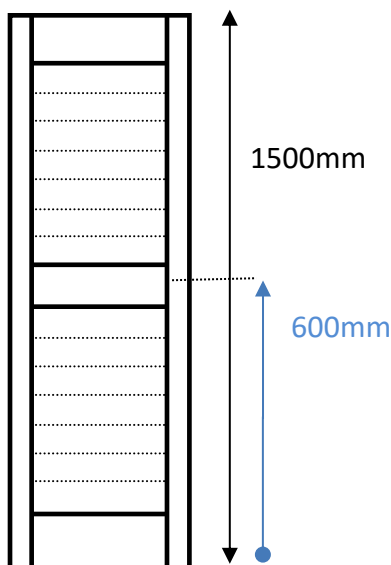
Designer Eco Night



A Mid Rail is required on panels over 1500mm. The Mid Rail location must be measured from the bottom of the opening to the **centre** of where the mid rail is required\*.

Please Note:

1. When a Mid Rail is required, the positional location must be measured from the bottom of the opening to the **centre** of where the mid rail is required.
2. 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.
3. We recommend ordering a Mid Rail location as “Critical Mid Rail” in your **Special Comments**, as the factory has a (MAA) Mid Rail Adjustment Allowance of **40mm** up or down, if “Critical Mid Rail” has not been specified in the **Special Comments**.
4. “Critical Mid Rail” **MUST** be selected in the **Special Comments**, corresponding to each relating Line Item on the order form.
5. 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 80mm deep, then the Mid Rail could be positioned up 25mm, or down 25mm and still cover the mullion. Make a note in the comments area for this item “MR can move +/- 25mm. 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.
6. Any shutter over 2500mm high will require two mid rails, however only one of those mid rails can be specified as “Critical Mid Rail” – please select this on the order form, in the **Special Comments**.
7. 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 amount of full blades required.



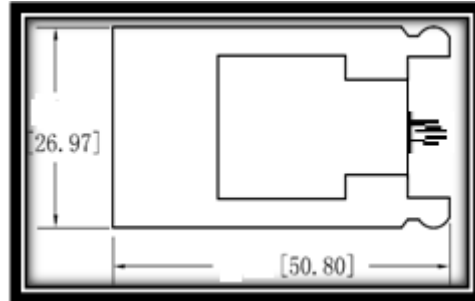
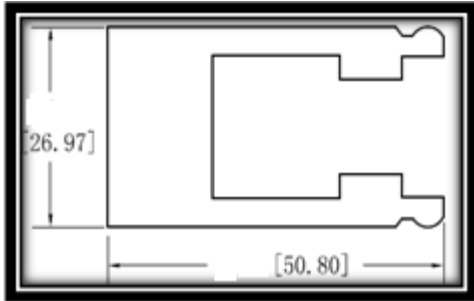
Example (see arrows):

- Gross Open Height 1500mm
- Mid rail @ 600mm (Bottom of Opening to Centre of Mid Rail)

### 3.7 Stiles

#### Standard Stile

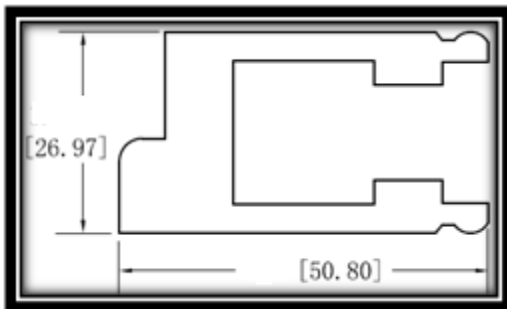
A standard shutter panel is made using a standard rectangular stile.



Standard Stile with Fluffy Strip Option  
(include photo of fluffy strip)

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

#### Rabbit Stiles



Rabbit 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 rabbit 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.

Standard Special Comments # 3	User Specific Line Item Notes/Special Comments
Left Panel Open First	
Left Panel Open First	Panel 2 and 3 to Open First Please
Left Panel Open First	
Left Panel Open First	
Maximum Blades Possible	
Panels Fixed With Light Stop Beading	
Panels Fixed With Light Stop Beading, Front & Back	
Panels Fixed With Magnets & Catches	
Smallest Possible Top & Bottom Rails	
Split Tiltrod In Half	
Split Tiltrod In Half Above Midrail	

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

Rabbit 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.

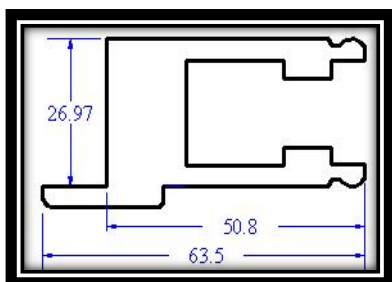


### Astragal Stiles (D Mould)

The Astragal Stile can be *specialy* ordered, when necessary, please specify the location clearly in the Layout Code:

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)



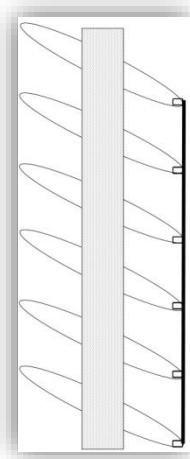
### 3.8 Tilt Rod

#### Hidden Metal Strip

This tilt is available for Designer Eco/Eco Plus/Eco Night.

Placed on the back of the panel, this sleek aluminium Tilt Rod is barely visible from the front. The colour co-ordinated hidden metal strip is rebated into the side of the Louvre Blades and positioned on the back of the hinged side.

The Hidden Tiltrod is made of Aluminium and the Tiltrod Screws are made in a 304 Grade Stainless.



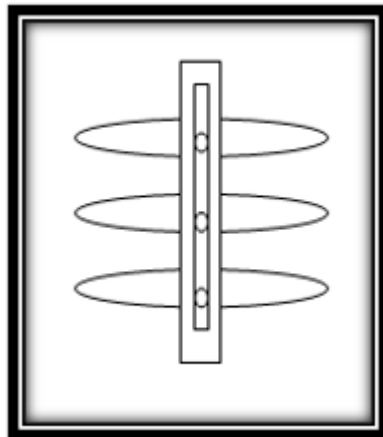
#### Split Tilt Rods

Each Hidden control is split in the centre after 17 louvres for 63mm or 89mm blades. Odd numbers have 1 blade more on the top tilt. If requested, tiltrods can be split at specified locations. Either 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.

Standard Special Comments # 3	User Specific Line Item Notes/Special Comments
<ul style="list-style-type: none"><li>Panels Fixed With Light Stop Beading</li><li>Panels Fixed With Light Stop Beading, Front &amp; Back</li><li>Panels Fixed With Magnets &amp; Catches</li><li>Smallest Possible Top &amp; Bottom Rails</li><li>Split Tiltrod In Half</li><li>Split Tiltrod In Half Above Midrail</li><li>Split Tiltrod In Half Below Midrail</li></ul>	Please Split tilt rod 3 blades from the top of the panel

## 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.



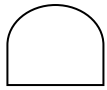
## Split Tilt Rods

Each Rack & Pinion control is split in the centre after 16 louvres for 63mm or after 10 louvres for 89mm blades. Odd numbers have 1 blade more on the top tilt. If requested, tiltrods can be split at specified locations. Either 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.

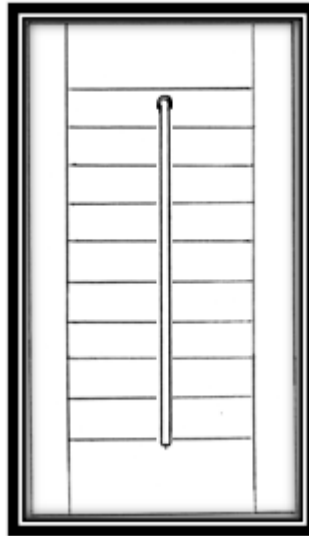
## Centre Tilt Rod

This tilt is available for Designer Eco/Eco Plus.

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.



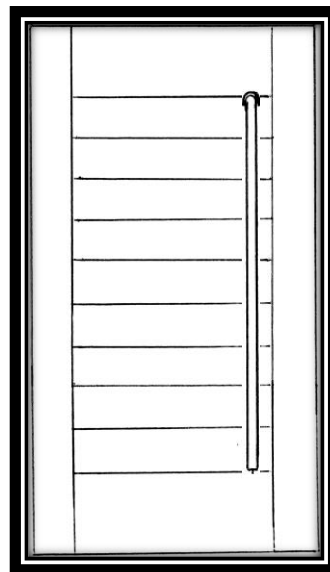
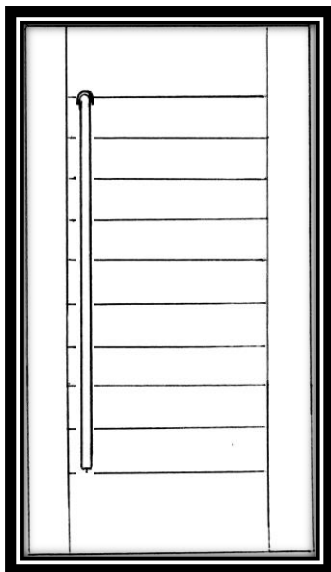
Cross Section of Centre or Offset Tilt Rod



## Off Set Tilt Rod

This tilt is available for Designer Eco/Eco Plus.

This 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

## 4.1 Hinged Panels

Available for Designer Eco/Eco Plus/Eco Night.

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. Hanging 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.

## 4.2 Double Hinged Panels

Available for Designer Eco/Eco Plus

A Double Hinged Panel is where two panels are hinged together, without using any tracking. 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.

## 4.3 Fixed Removable Panels

Available for Designer Eco/Eco Plus/Eco Night.

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.

## 4.4 Bi Fold Panels

Available for Designer Eco/Eco Plus.

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

## 4.5 Sliding Panels

Available for Designer Eco/Eco Plus.

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

Sliding Shutters are available in 2 different sliding systems:

- Top Hung Sliding System
- Bottom Wheel Sliding System

*Please see pages 55 - 67 for more detailed information.*

# 4.6 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



Fixed Removable Panels



Bi Fold Panels



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

Sliding Panels – Top Hung Sliding System



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

# 5. Hinged Panels

We recommend the panel width to be kept well less than the maximum widths to reduce the weight on the hinges.

Please note that wide or larger panels may need to be lifted in and out of their frames. Shutter panels are designed to sit inside a frame.

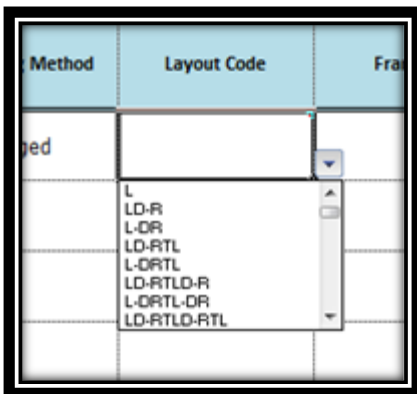
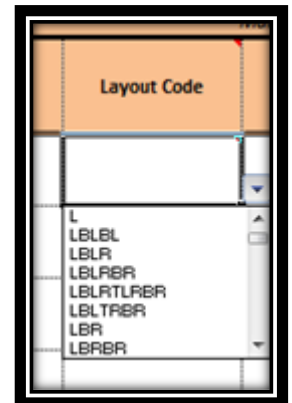
Please refer to the [Shutter Range & Mounting Methods Reference Charts](#) for Hinged Panels minimum and maximum dimensions.

## 5.1 Layout Codes for Hinged Panels

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

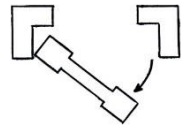
- ‘L’ - Left Hand Side Hinge
- ‘R’ - Right Hand Side Hinge
- ‘T’ - T Post (for hinging panels off)
- ‘D’ - D Mould
- ‘B’ - Bay Post (135° post used for Bay windows)
- ‘C’ - Corner Post (90° post used for Corner Windows)

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

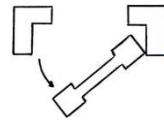


### One Panel

L

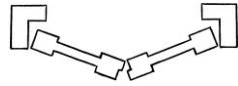


R

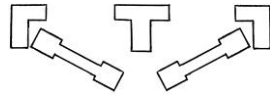


### Two Panels

LR

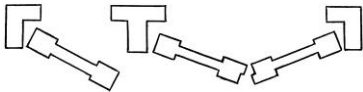


LTR

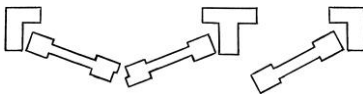


### Three Panels

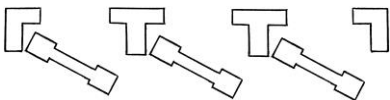
LTLR



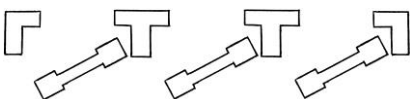
LRTR



LTLTL

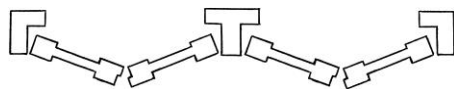


RTRTR



### Four Panels

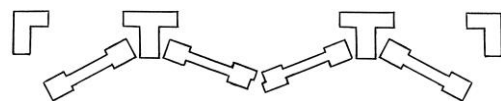
LRTLRL



LTLRTR



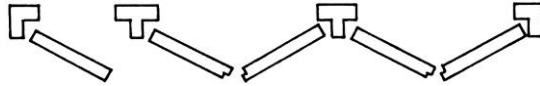
RTLRLTL





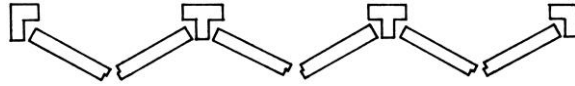
## Five Panels

LTLRTLRL



## Six Panels

LRTLRTLRL



Other configurations can be used depending on:

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

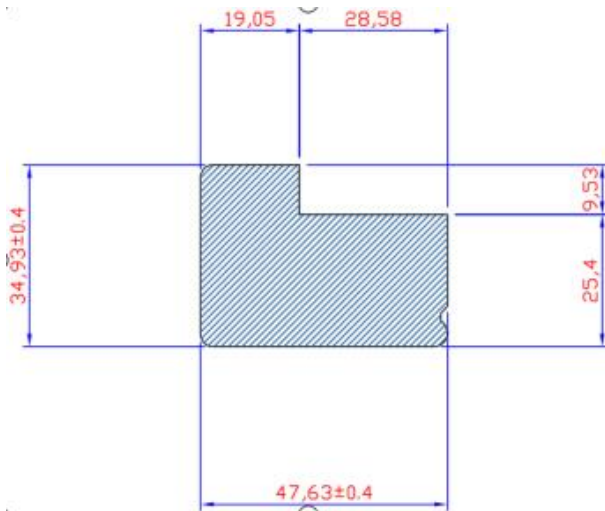
Note: In some cases, magnets can also be used to mount panels to the frame instead of hinges.

## 5.2 Framing for Hinged Panels

There are a range of frames available for Designer Eco/Eco Plus/Eco Night to suit your specific needs.

### Inside Mount

#### Inside Fit Framing Options



Reveal L Frame

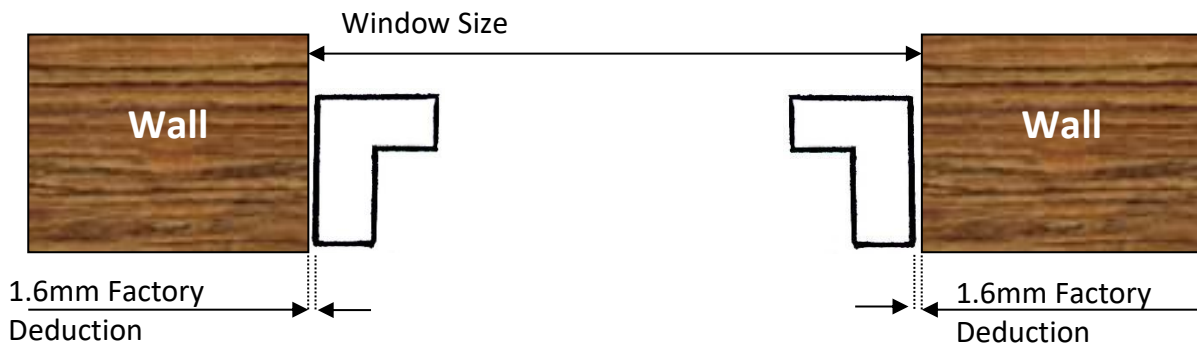


Medium Reveal L Frame

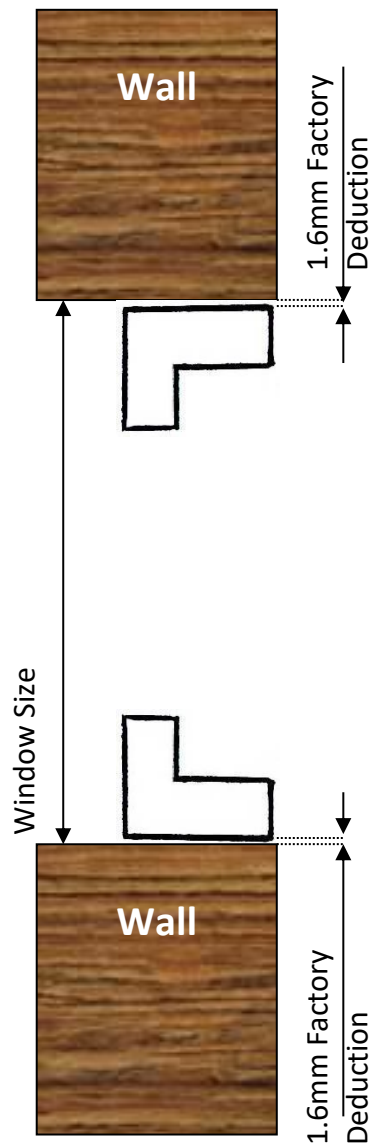
Frames are useful for most reveal fit applications, they give you the ability to hang the shutter panel square in the frame and then any uneven gaps around the frame can be filled in with No More Gaps. This gives the impression that the window frame is square, when often they are not.

It is important to pack out any framework to ensure it is square, with any gaps being filled with matching No More Gaps. Please note that frames are provided with Herman (also called Hoffman) Joiners, which are butterfly shaped joiners intended to hold the mitres together on a temporary basis. All mitred corners should be secured with diagonal screws by the installer to ensure tight mitre joints, prior to lifting the frame into place.

### Reveal Fit L Frame Inside Mount (Top View)



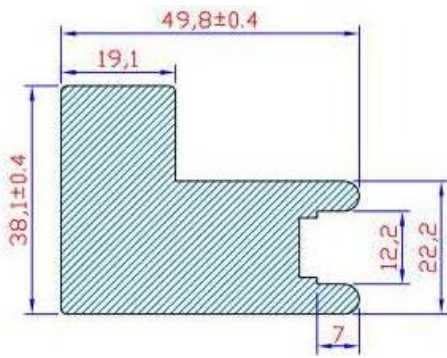
### Reveal Fit L Frame Inside Mount (Side View)



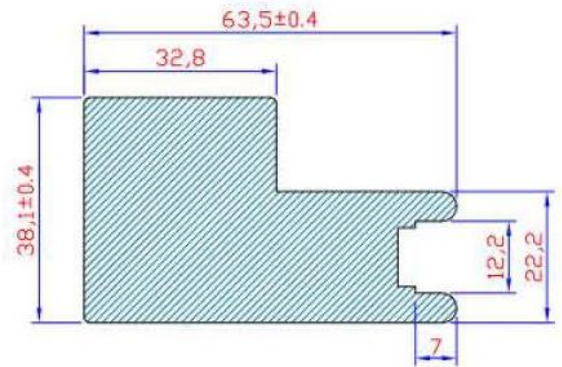
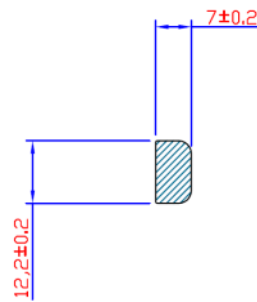
## Outside Mount

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. Face Fit L Frames have a Cover Strip to neatly hide mounting holes and screw heads used to secure the frame.

### Face Fit Framing Options



Small Face Fit L Frame



Medium Face Fit L Frame



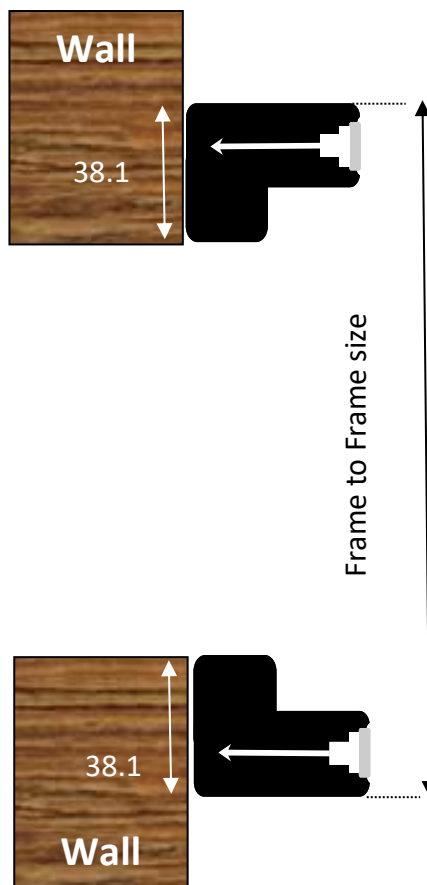
Case Fit Frame

### Face Fit L Frame Outside Mount (top view)



NOTE: No deductions are made for Face Fit applications.

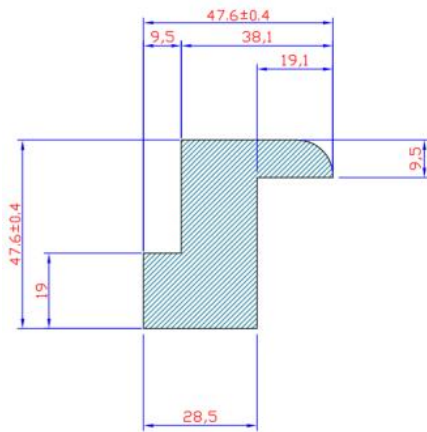
### Face Fit L Frame Outside Mount (side view)



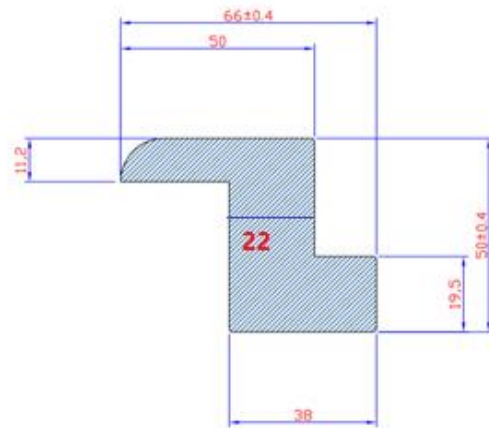
## Z Frames (Reveal Fit)

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.

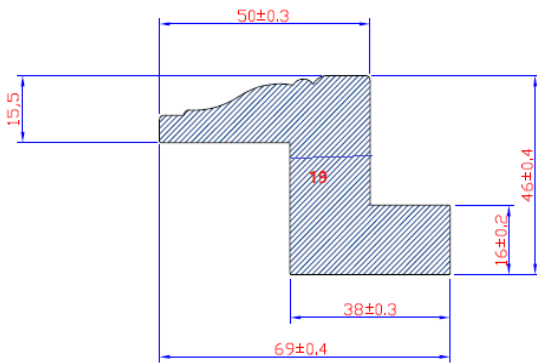
Bullnose Z Frame



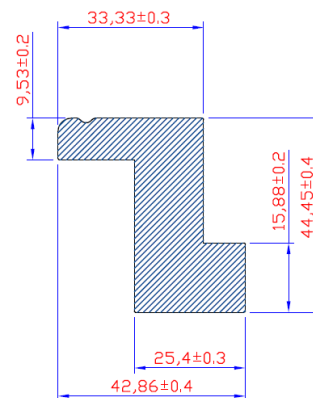
Large Bullnose Z Frame



Small Deco Z Frame



Square Z Frame



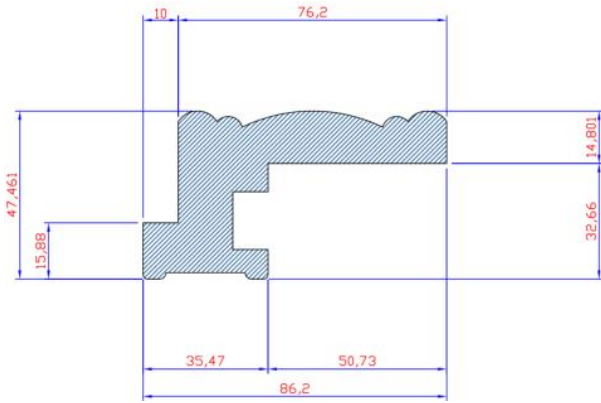
Angled Deco Z Frame



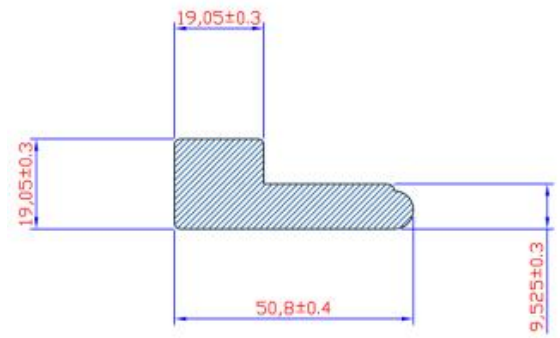
Medium Deco Z Frame



Classic Deco Z Frame



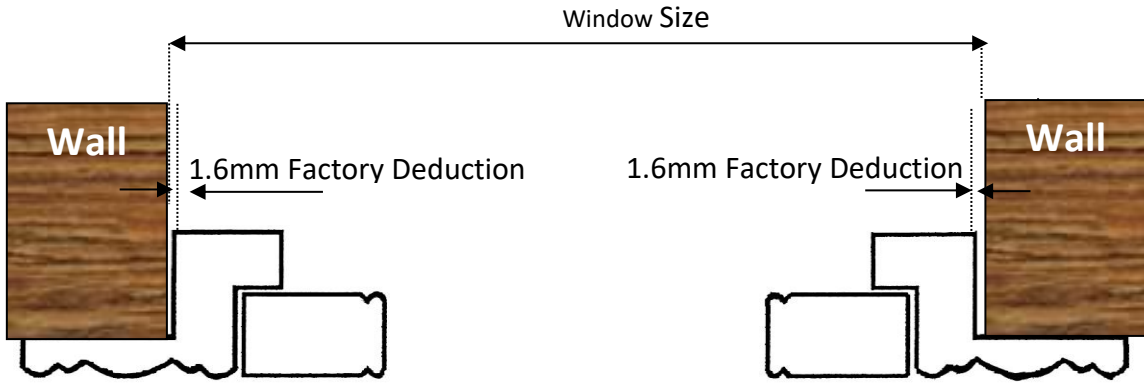
Sill Frame



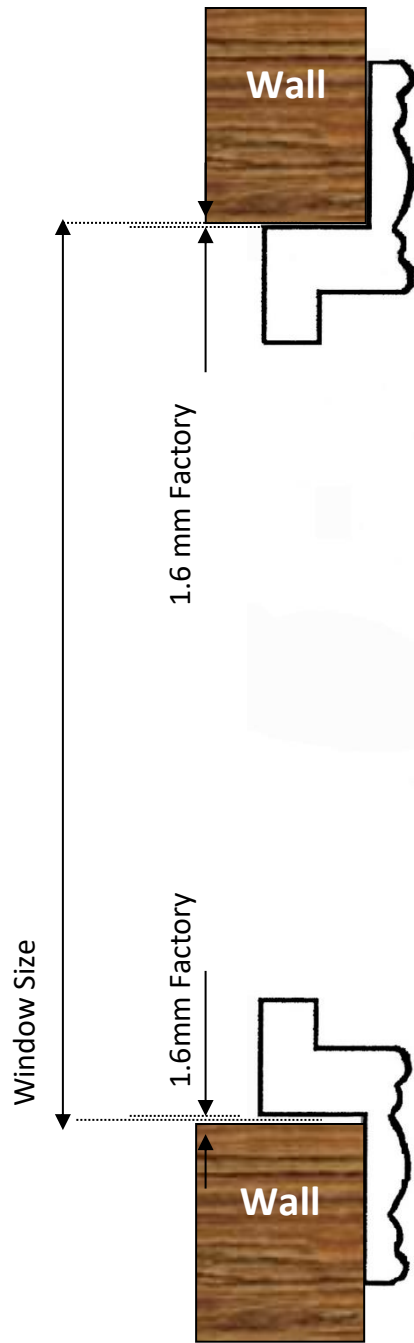
Z Sill Frame at bottom of Bullnose Z Frame



Z-Frame (top view)



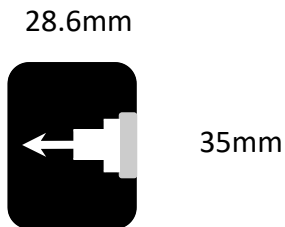
Z-Frame (side view)





## Hanging Strip

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.



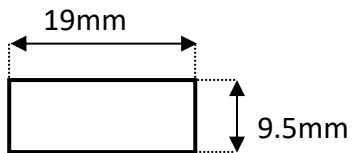
Hang Strip

The arrows represent the direction of fixing

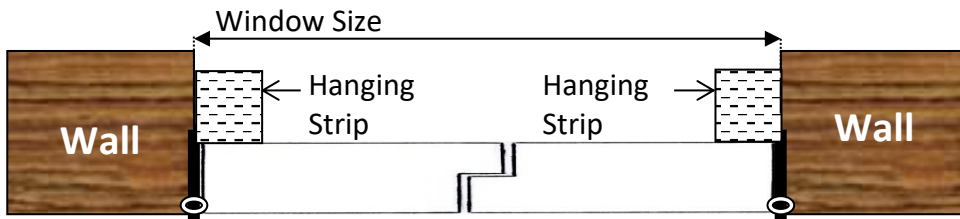


L Drop in Pin Hinge  
(Used for Hanging Strip)

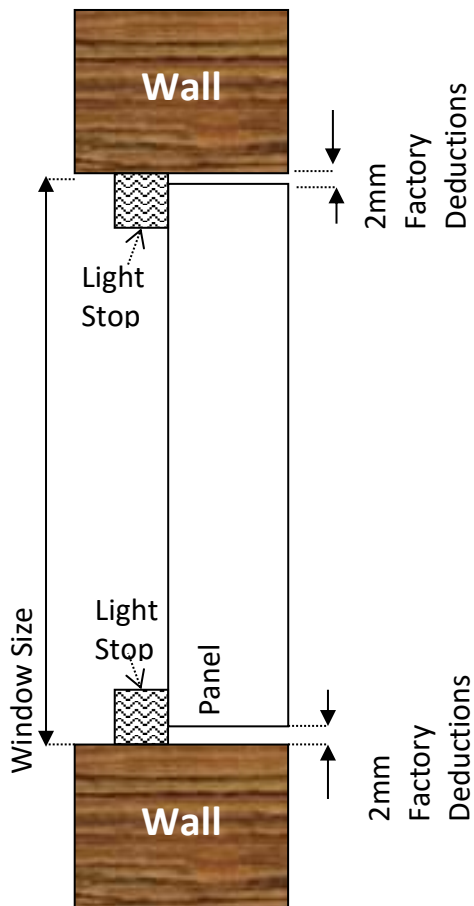
## Light Stop



### Hanging Strip Inside Mount (top view)



### Hanging Strip Inside Mount (side view)



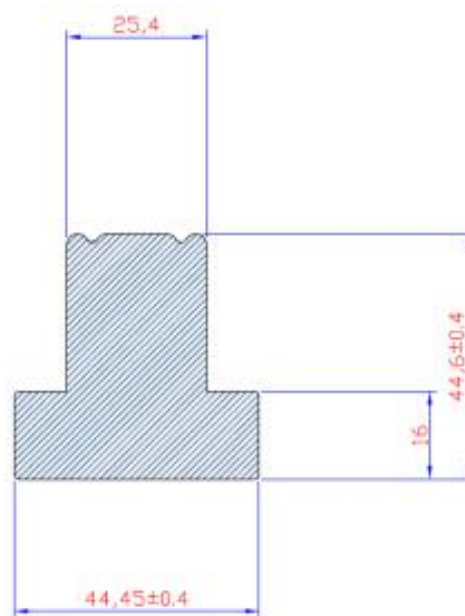
- If Light Stop is ordered it will be supplied cut to size with magnets attached.

# 6. Extra Framing for Hinged Panels

## T Posts

T posts are used to provide extra framing to hinge panels to, within the opening. They are usually required when more than two panels are ordered in an opening. Use a “T” in the layout code to show the configuration. For example, LRTL is four panels, a left and right hinged pair of panels, either side of a single T Post. T posts are available with or without beading (Flat T Post). Default is a beaded T Post.

T Post



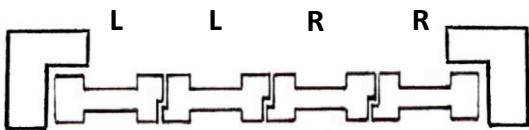
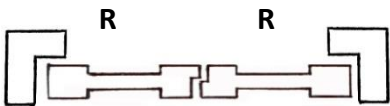
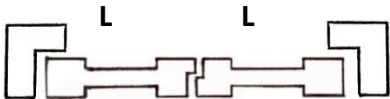
	Quantity	1 <sup>st</sup> T-Post (mm)	2 <sup>nd</sup> T-Post (mm)
T Posts	2	600	1800

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

# 7. Double Hinged Panels

Double Hinged Panels enable up to 4 panels to be installed without T Posts. Double Hinged Panels cannot be made wider than the Standard Maximum sizes as shown in the [Mounting Methods Reference Chart](#)

Layout Codes for Double Hinged Panels



# 8. Fixed Removable Panels

There are three options for Fixed Panels:

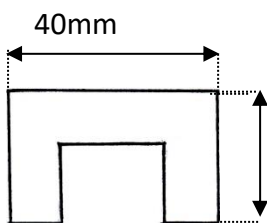
## 8.1 Fixed Removable Panels Using U Channels

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. Panels are permanently fixed by ordering Light Stops. Light Stops are optional for the left and right of the face side. Light stops for left and right of the back are extra's.

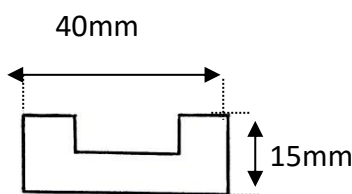
Please refer to the [Shutter Range & Mounting Methods Reference Charts](#) for Fixed Removable Panels minimum and maximum dimensions.

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

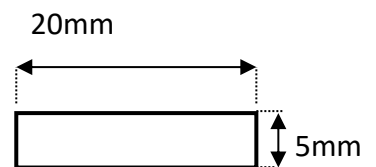
Any additional extras required **must** be noted in the **Extra's Section** of the Order Form. Please see example above.



Large U Channel  
(for top)

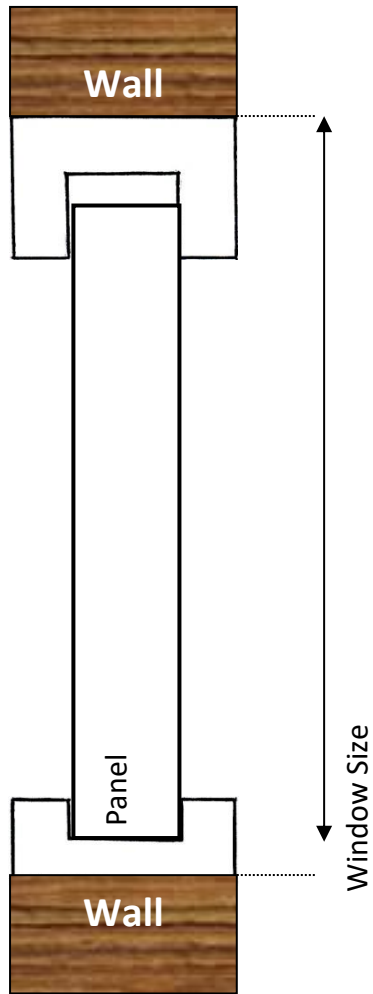


Small U Channel  
(for bottom)

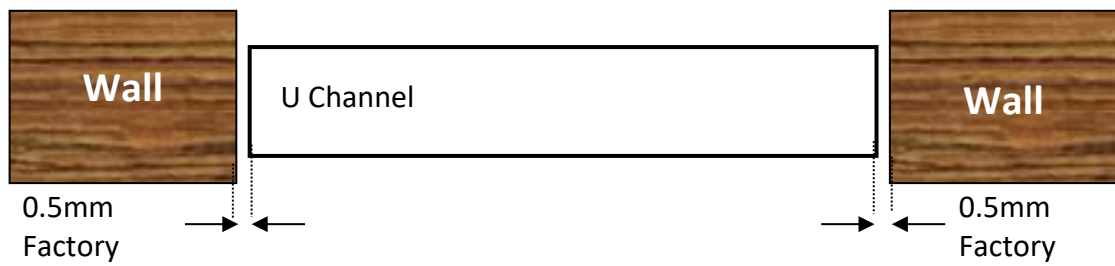


Light Stop  
(for sides)

Fixed/Removable Panel (side view)



Fixed/Removable Panel (top view)



## **8.2 Fixed Removable Panels Using Magnets**

Panels Fixed with Magnets are fitted in 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.

## **8.3 Fixed with Light-Stop Beading 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.

# 9. Bi Fold Panels

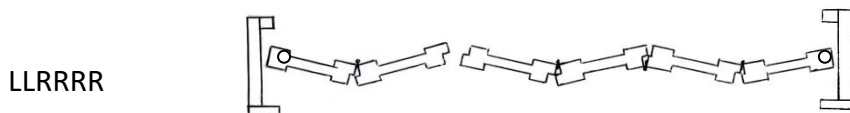
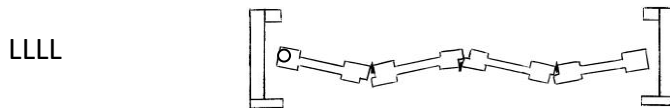
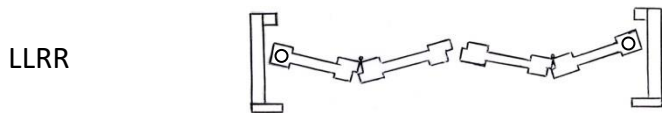
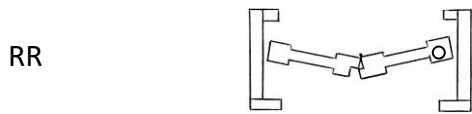
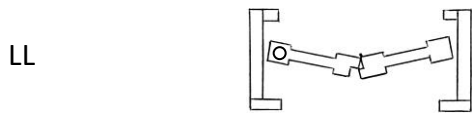
Please refer to the [Mounting Methods Reference Chart](#) for Bi Fold Panels minimum and maximum dimensions.

## 9.1 Layout Codes for Bi Fold Panels

The layout codes for Bi Fold Shutters are the same as Hinged Panels, which are used to configure the specified direction of the panels:

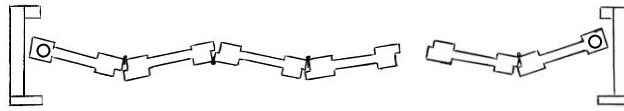
- 'L' - Left Hand Side Hinge
- 'R' - Right Hand Side Hinge

Below are some examples of Bi Fold configurations.

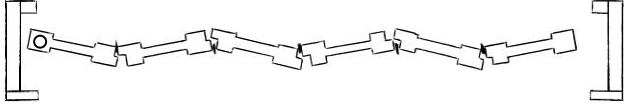




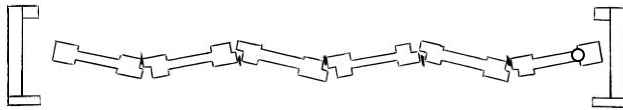
LLLLRR



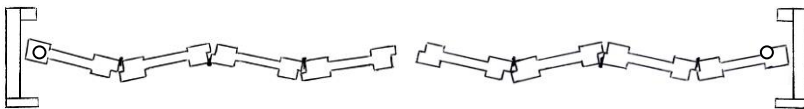
LLLLLL



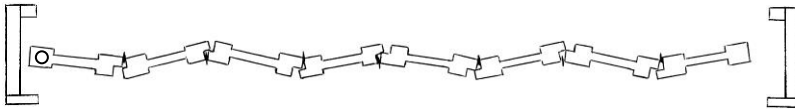
RRRRRR



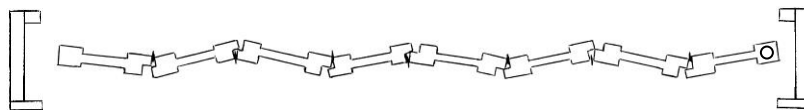
LLLLRRRR



LLLLLLL



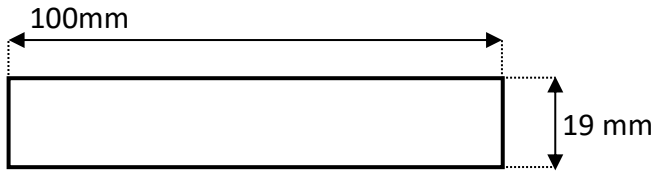
RRRRRRR



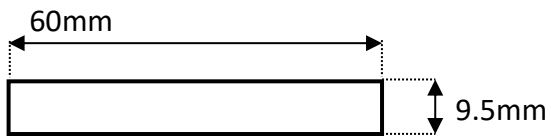
## 9.2 Frames for Bi Fold Panels

For mounting Bi Fold shutters, frames are required and will be supplied as per your order.

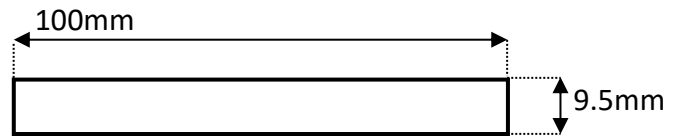
### Headboard and Side Frames



### Fascia



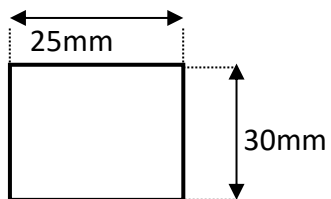
For Reveal Fit



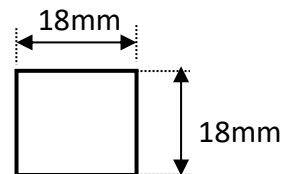
For Face Fit

For all Bi Folding Panels, a Fascia will be supplied with returns.

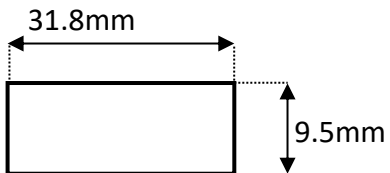
### Mounting Block



### Small Mounting Block

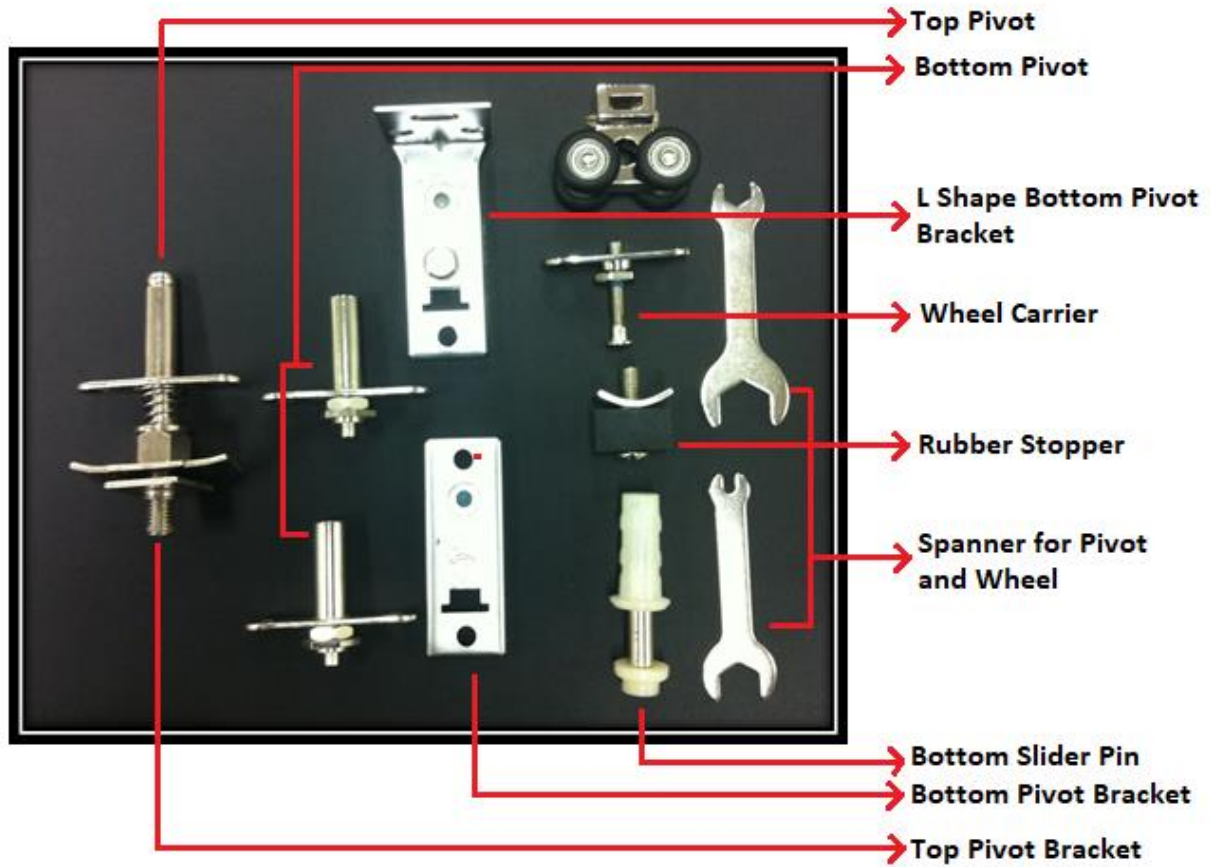


### Large Light Block

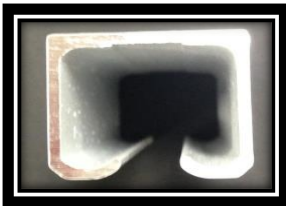


### 9.3 Tracking for Bi Fold Panels

#### Bi Fold Hardware

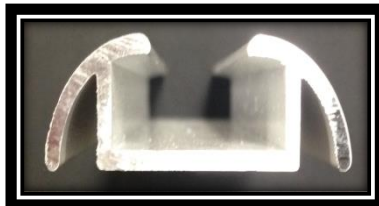


Top Track



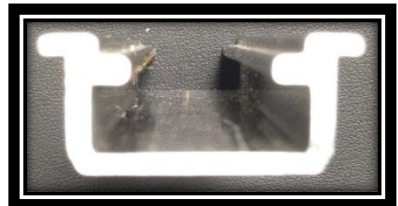
W24mm x H21mm

Bottom Track



W32mm x H8 mm

Bottom Track In Board)

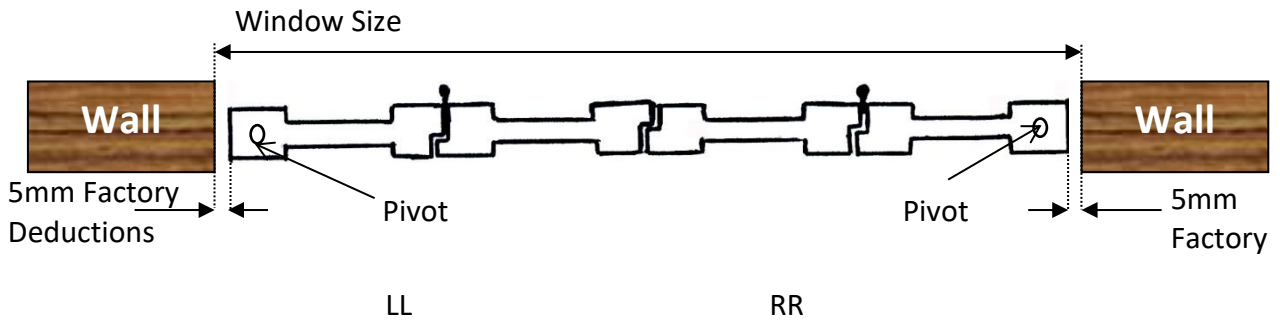


W23mm x H13mm

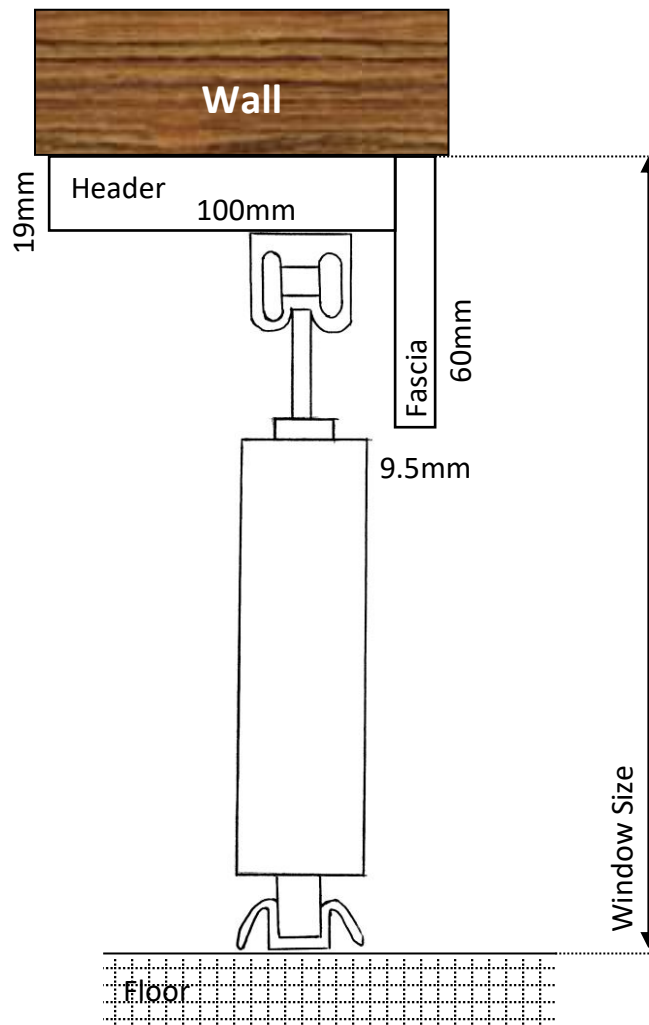
## Bi Fold Inside Reveal Mount

Please ensure there are no handles, mullions or winders that will interfere with the operation of a Bi Fold situation.

### Four Panel Bi Fold Inside Mount with no sideboard (top view)



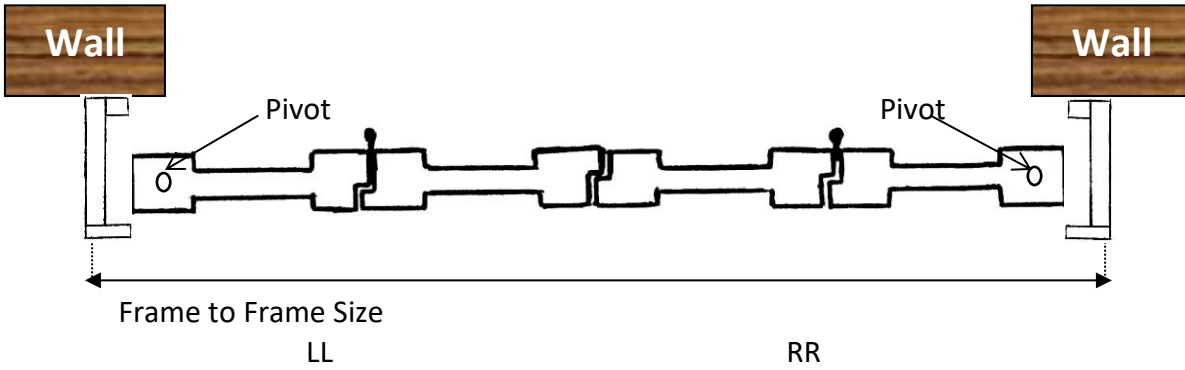
### Bi Fold Inside Mount with no sideboard (side view)



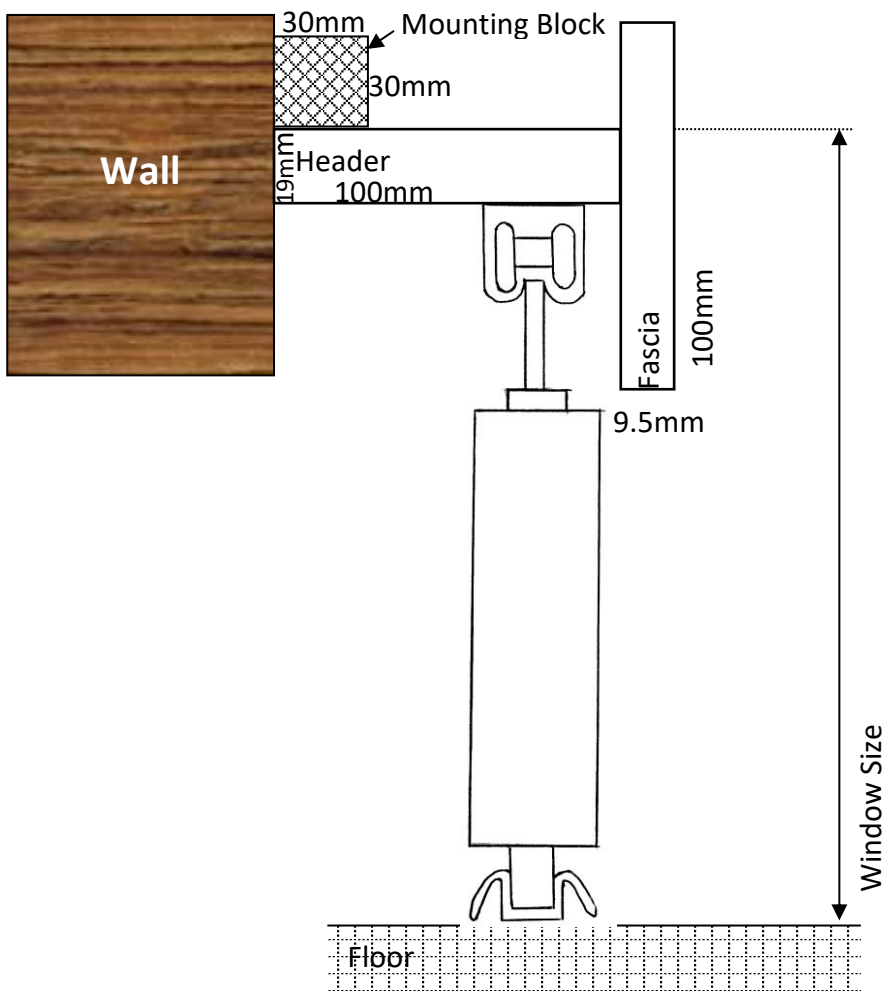
## Bi Fold Face Fit Mount

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

### Four Panel 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.

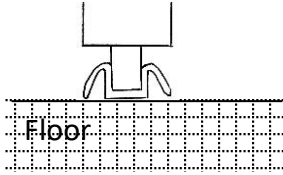
## Bottom Track Options for Bi Fold Panels

### Option A

Track mounted to the floor.

Track Height is 8mm.

Recommended option for hard, flat level surfaces.

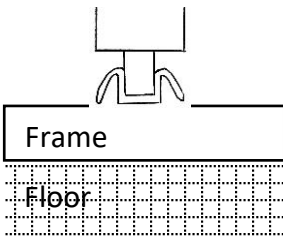


### Option B

Track mounted to Frame Board.

Track Height is 8mm plus the Board Height of 19mm.

Recommended option for Soft non- level surfaces e.g. plush carpets etc.

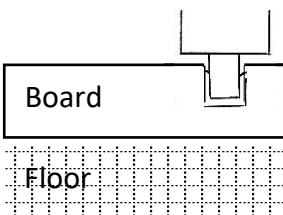


### Option C

Track mounted inside the Board.

Board Height of 19mm.

Recommended option for soft non- level surfaces e.g. plush carpets etc.



## 9.4 Bifold Extras

### Flush Bolt

\*Surcharge Applies



# 10. Sliding Panels (suitable for Top Hung and Bottom Wheel Sliding systems)

Please refer to the [Mounting Methods Reference Chart](#) for Sliding Panels minimum and maximum dimensions.

## 10.1 Layout Codes for Sliding Panels

Below are some examples of Sliding configurations.

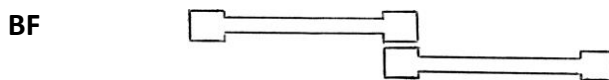
'B' Back – meaning the panel is placed on the back track.

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

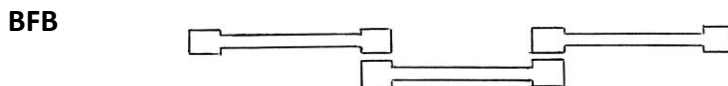
'F' Front – meaning the panel is placed on the front track

Mounting Method	Layout Code	Fr
Sliding	BBFF	

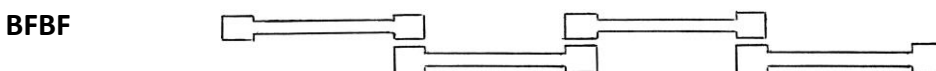
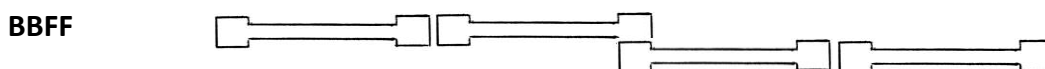
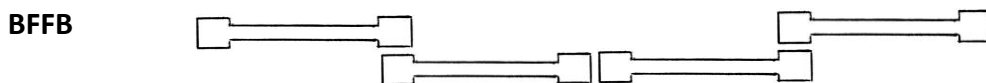
### Two Panels



### Three Panels



### Four Panels



### Six Panels

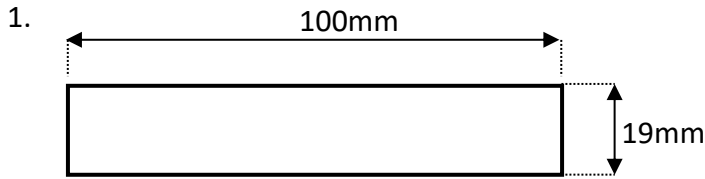
(Sliding Closed Only)



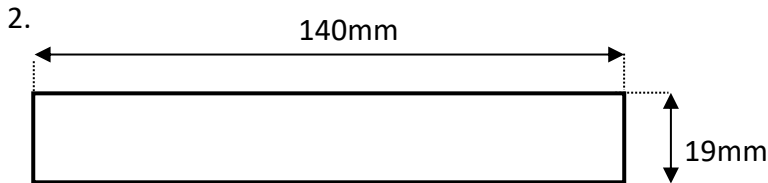


## 10.2 Frames for Sliding Panels

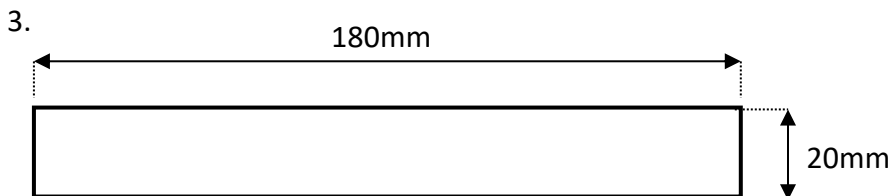
### Headboard and Side Frames



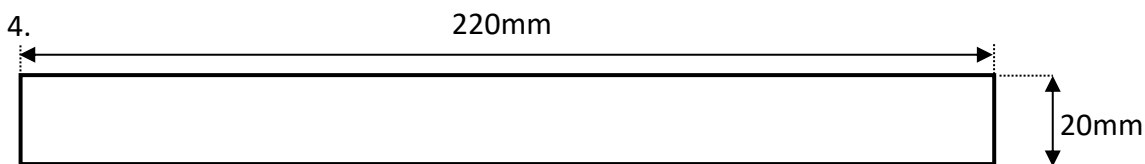
100mm Headboard – 2 Tracks of panels with 63mm or 89mm blades will pass with the blades **closed** (only).



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

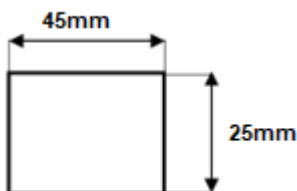


180mm Headboard – 2 Tracks of panels with 89mm blades will pass with blades open\* if fitted to the wall without architrave; with an architrave that is less than 50mm wide and no more than 12mm deep; or directly onto an existing architrave.

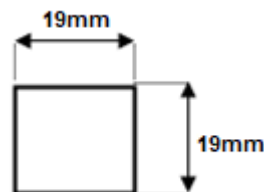


220mm Headboard – 2 Tracks of panels with 89mm blades will pass with blades open

#### Mounting Blocks:



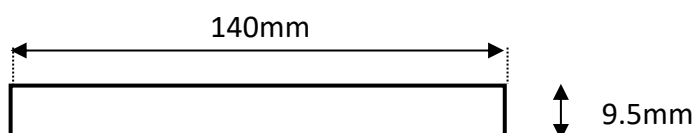
Used to mount Headboard



Used to mount Sideboard

#### Fascia

For all Sliding Panels a Fascia will be supplied with returns.



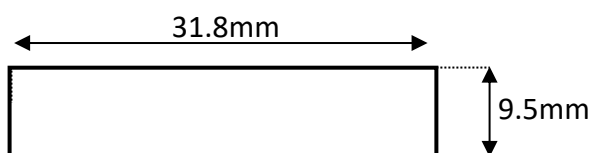
## Guidelines for Sliding Panels and Related Headboard Size Options

Blade Size	Headboard Sizes (2 Tracks Only)			
	100mm	140mm	180mm	220mm
63mm	Closed	<b>Open</b> or Closed	<b>Open</b> or Closed	<b>Open</b> or Closed
89mm	Closed	Closed	<b>Open</b> or Closed	<b>Open</b> or Closed

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

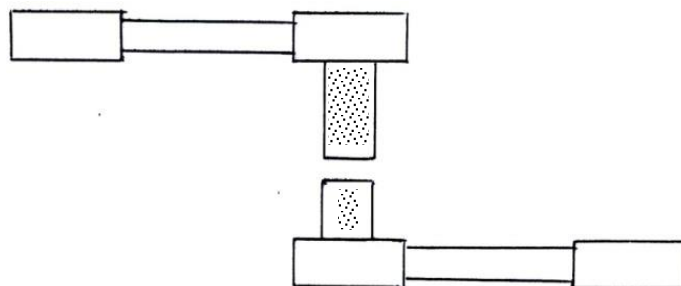
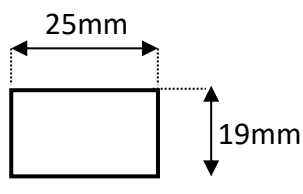
### Light Blocks

Large Light Block – Used on front edge of Sideboards

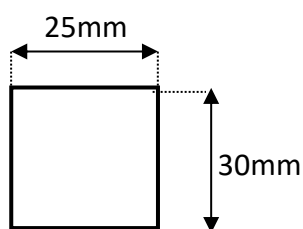


Light Blocks – Used between panels when ordered as sliding “Open”

**For 63mm Blades** – 2 x 25mm x 19mm Light Blocks are supplied



**For 89mm Blades** - 2 x 25mm x 30mm Light Blocks are supplied



### Default Overlap

The default overlap allowance, between panels on the front and back tracks, for both sliding open and closed, is Approx 40mm

## Sliding L Bracket

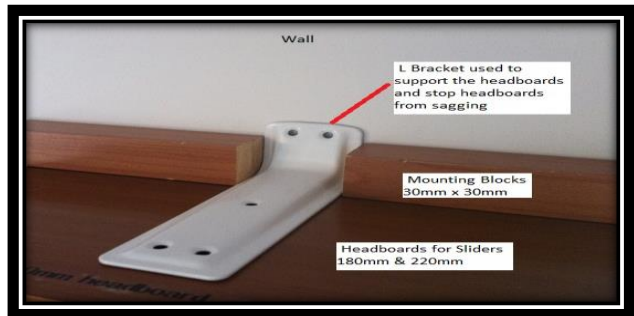
We recommend the use of the L-Bracket for all headboards to provide structural support at installation (this assists the mounting block).

L-Brackets are automatically supplied with our Sliding & Bi-Fold Shutters.

There are 3 different L-Bracket sizes (95mm, 135mm & 175mm) The bracket size supplied is dependent on the headboard size that is ordered.

1 x bracket is supplied per 500mm in width

Headboard Size	Default Bracket Size
100mm	95mm
140mm	135mm
180mm	175mm
220mm	175mm



### 10.3 Top Hung Sliding System

The Top Hung Sliding System is our original Sliding System where the panels are hung from the top track, with the bottom of the panel running along the bottom track with a bottom slider pin for guidance.

#### Tracking and Other Hardware



#### Other Hardware



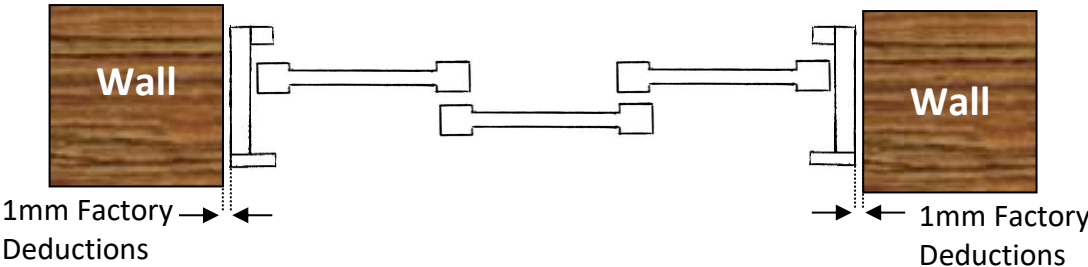
Floor Guide



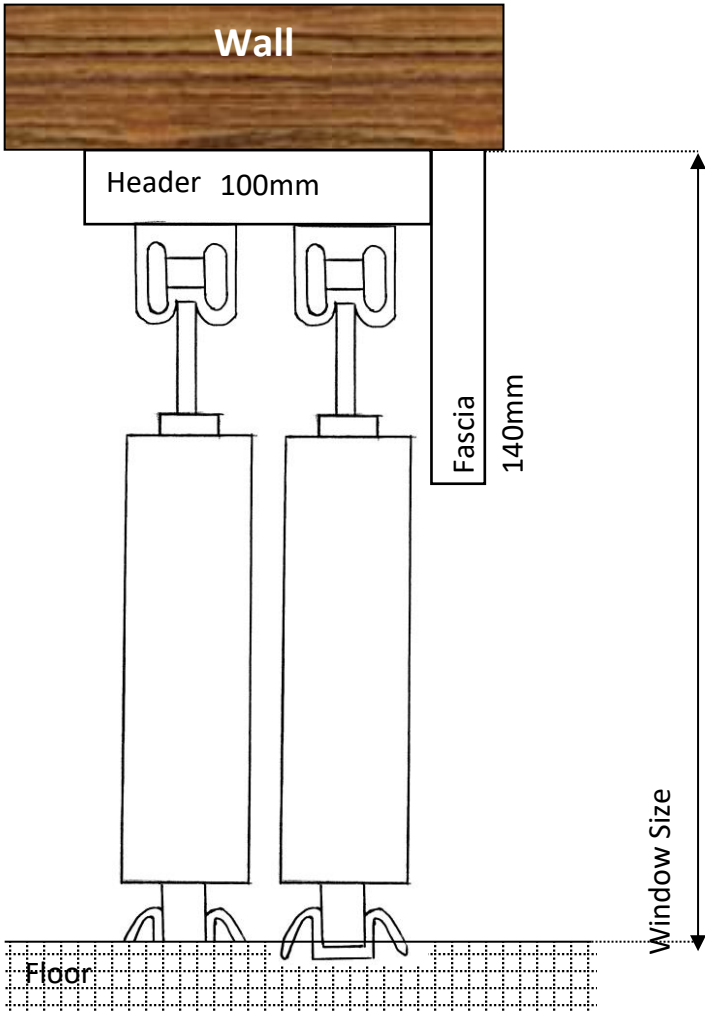
Flush Bolt

*\*Surcharge Applies*

Inside Mount with Sideboard (top view)

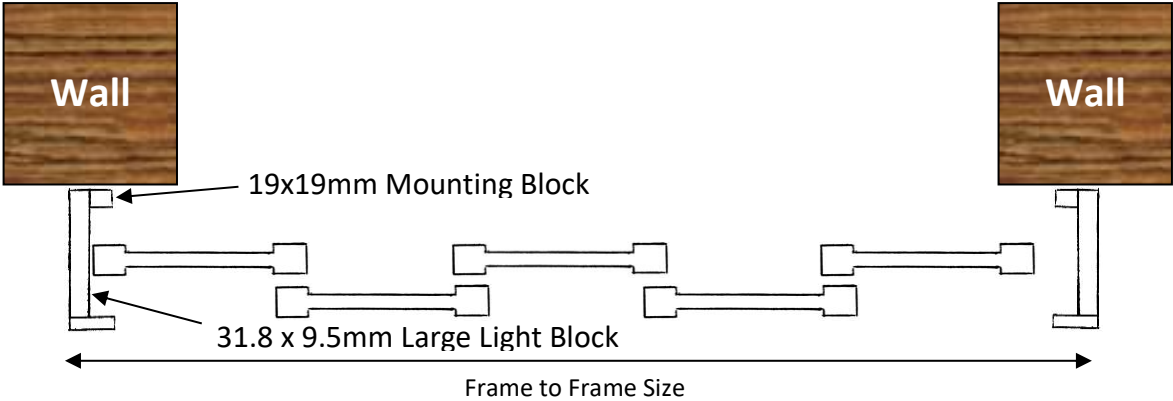


Inside Mount (side view)



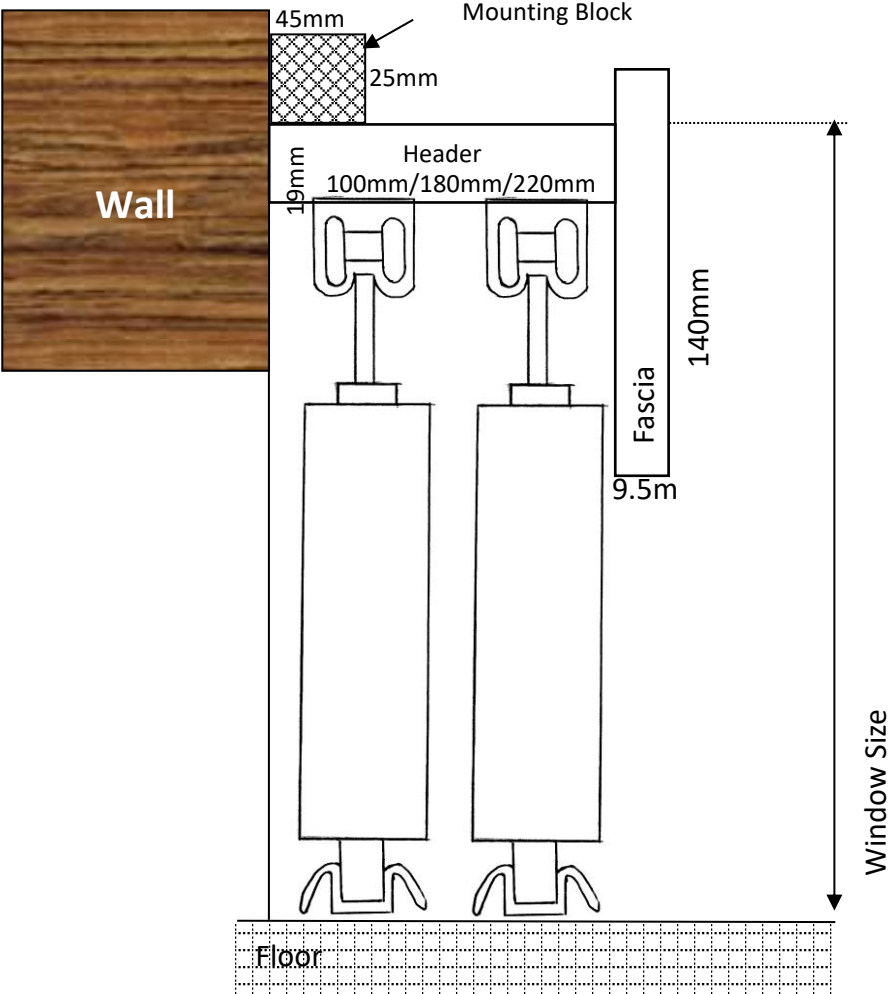
Please ensure there is room to mount inside if this option is chosen.  
(Please refer to the maximum blade size and configuration chart for sliding panels on).

Face Fit Mount with Sideboards (top view)



Outside of Frame measurement MUST be supplied for Outside Fit, this will also need to include the 19mm Sideboards on both the left and right-hand sides of the opening.

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 19mm to the architrave to floor measurement.

## 10.4 Default Fascia Position

For INSIDE Mount, the top of the fascia is flush with the top surface of the headboard. For FACE FIT (OUTSIDE mount) the top of the fascia will sit 37 mm above the top surface of the headboard.

## 10.5 Default Track Positions

Tracks are fitted to headboards (and bottom boards) by the factory depending on if ordered sliding open, or closed and the blade size ordered, following these specifications:

1. Distance between the front track and the back of the fascia is approx 10mm (back of fascia to centre of the front track is approx 22mm)
2. Distance between the tracks for sliding closed is approx 10mm (centre of track to centre of track is approx 34mm)
3. Distance between tracks for 63mm blades, sliding open is approx 49mm (centre of track to centre of track is approx 73mm)
4. Distance between tracks for 89mm blades, sliding open is approx 74mm (centre of track to centre of track is approx 98mm)
5. Distance from the back track to the back of the headboard is dependant on the headboard width ordered. Clearance required for:
  - a. 63mm blades with a hidden control is approx 31mm (approx 43mm from the centre of the back track)
  - b. 89mm blades with a hidden control is approx 43mm (approx 55mm from the centre of the back track)

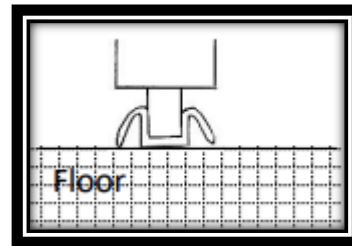
## 10.6 Bottom Track Options for Top Hung Sliding Panels

### Option A – Track Only

Track mounted to the floor.

Track Height is 8mm.

Recommended option for hard, flat level surfaces.

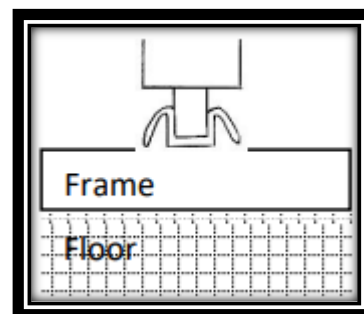


### Option B – Track On Board

Track mounted to Frame Board.

Track Height is 8 mm plus the Board Height of 19mm.

Recommended option for Soft non- level surfaces e.g. plush carpets etc.

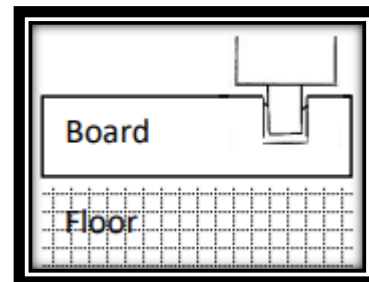


### Option C – Track In Board

Track mounted inside the Board.

Board Height of 19mm.

Recommended option for soft non- level surfaces e.g. plush carpets etc.



### Option D – Floor Guide

No bottom track is used, this Floor Guide is fitted where the panels overlap.





## 10.7 Sliding Panels – Bottom Wheel Sliding System

The Bottom Wheel Sliding System is our newest shutter addition, allowing for better weight distribution. The bottom-mounted wheels support the weight of the shutter and allow for easy and smooth sliding across the bottom track with the top of the panel running along a top U-Channel for guidance.

When promoting bottom wheel sliding shutters, you can emphasize the following **Selling Features**:

- Smooth Operation – the bottom wheel ensures effortless and smooth sliding, minimising the effort needed for opening and closing
- Better Weight distribution
- Low Maintenance - The bottom wheel design typically requires less maintenance compared to other systems, with fewer parts exposed to wear and tear
- Aesthetic Appeal – Provides a modern and sleek look that complements any interior
- Quiet Operation – The bottom wheel system generally results in quieter operation compared to other sliding systems



Bottom Track In Board



Back of panels – Bottom wheels

## 10.8 Tracking and hardware for Sliding Panels – Bottom Wheel Sliding System

<p>Top U Channel</p>	<p>Technical drawing of a top U channel. Dimensions are shown in red: 4 (flange width), 32 (channel width), 4 (flange width), 35 (total height), 30 (inner height), 26 (inner width), and 40 (total width).</p>
<p>Bottom Track (Track Only)</p>	<p>Technical drawing of a bottom track (Track Only). Dimensions are shown in red: 10,6 (top flange width), 3,7 (height), 18 (inner width), and 30 (total width).</p>
<p>Bottom Track (Track In Board)</p>	<p>Technical drawing of a bottom track (Track In Board). Dimensions are shown in red: 14,5 (top flange width), 6,6 (flange thickness), 6 (height), 6,1 (inner width), and 9 (total width).</p>
<p>Bottom Wheel - adjustable</p>	<p>Photograph of an adjustable bottom wheel hardware component, showing a metal plate with a central wheel and adjustment screws.</p>

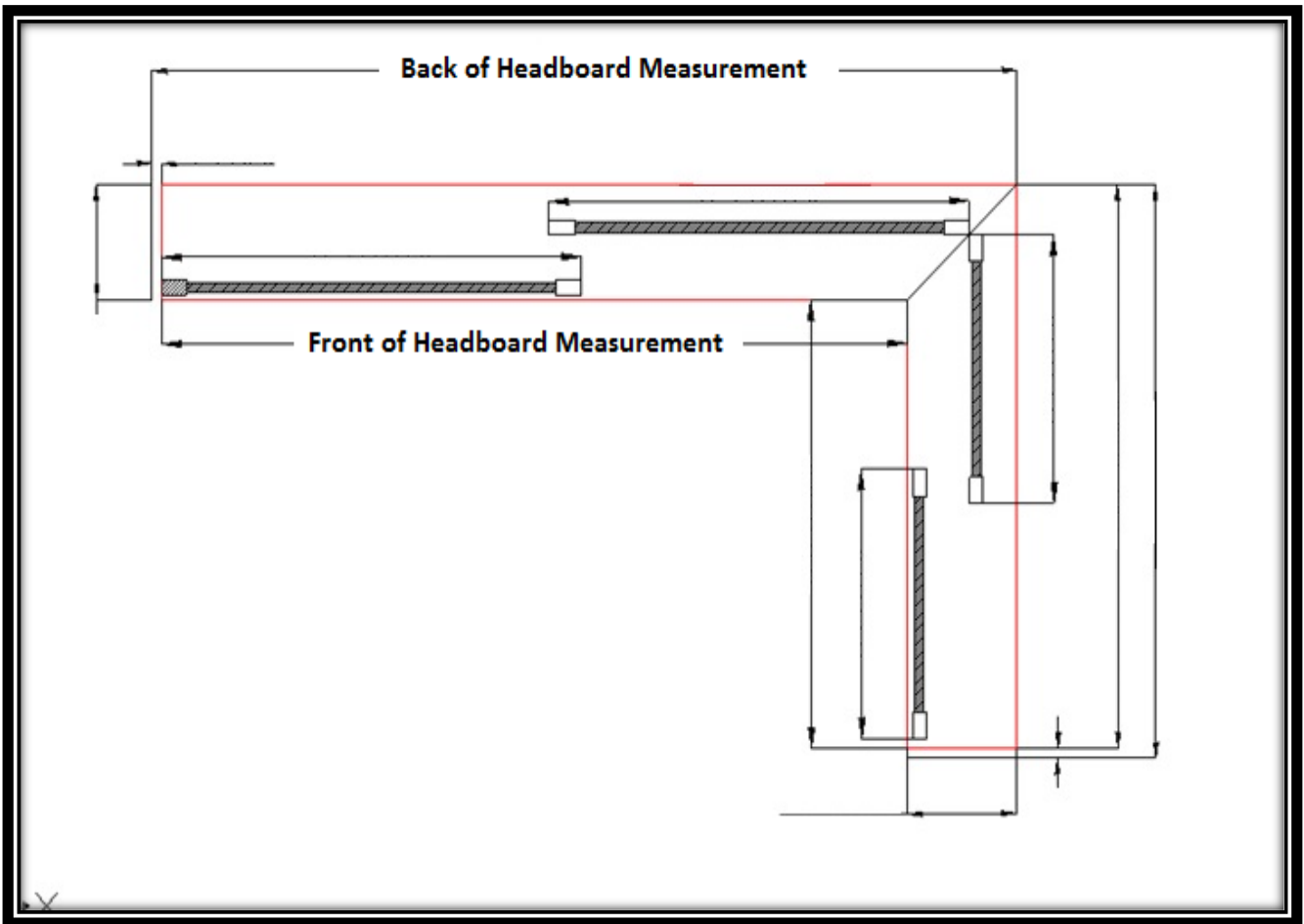
## 10.9 Sliding Panels into a Corner with Mitred Headboards

Sliding panels can be used in a corner doorway situation with mitred Headboards and Fascia's to eliminate a Butt and Thru scenario. This presents itself with a far neater aesthetic appeal.

Please Note:

1. The below drawing should be sent to support the standard order form. Email [shutterorders@pacificwholesale.com.au](mailto:shutterorders@pacificwholesale.com.au)
2. The drawing MUST include the measurements and also specify whether the measurements provided are Front or Back of Headboard measurements.

Sliding Panels into a corner with Mitred Headboards



### 10.10 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 offer a Rabbet Stile in the centre to reduce any light gaps. They are considered significantly stronger than a single panel with a centre stile. They are a great way to enable the installer to carry larger panels to work sites; the two panels are joined together with a Step Hinge and Rabbet Stiles and open up to form one panel mounted in the sliding tracks. The maximum panel width for **Designer Eco/Eco Plus** Standard Sliding Panels is 1300mm (Combo Panel).

“**Combo Panels**” must also be selected in the standard **Special Comments** section of the order form.

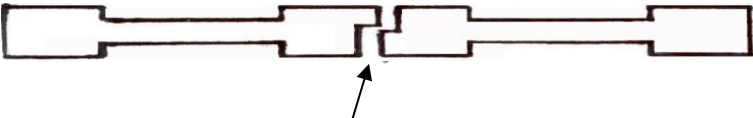
When ordering Combo Panels the Layout code is double the panel quantity as a Combo Panel is considered as 1 single panel e.g.

2 panels = BB FF

4 Panels = BB FF FF BB

Standard Special Comments # 1
Combo Panels

Top View



Hinged together and ordered as one panel

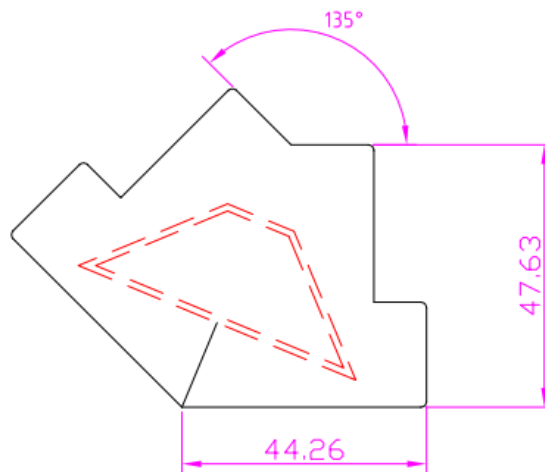
\*See Glossary and Reference Charts at the end of this manual for more detailed information

# 11. Special Requirement Windows & Options

There is a large variety of options that can be supplied for windows with special requirements. Some of these include: Bay Windows, Corner Windows, Box Windows which are available for Designer Eco/Eco Plus/Eco Night; and Shapes and Door cut outs which are available for Designer Eco/Eco Plus. 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.

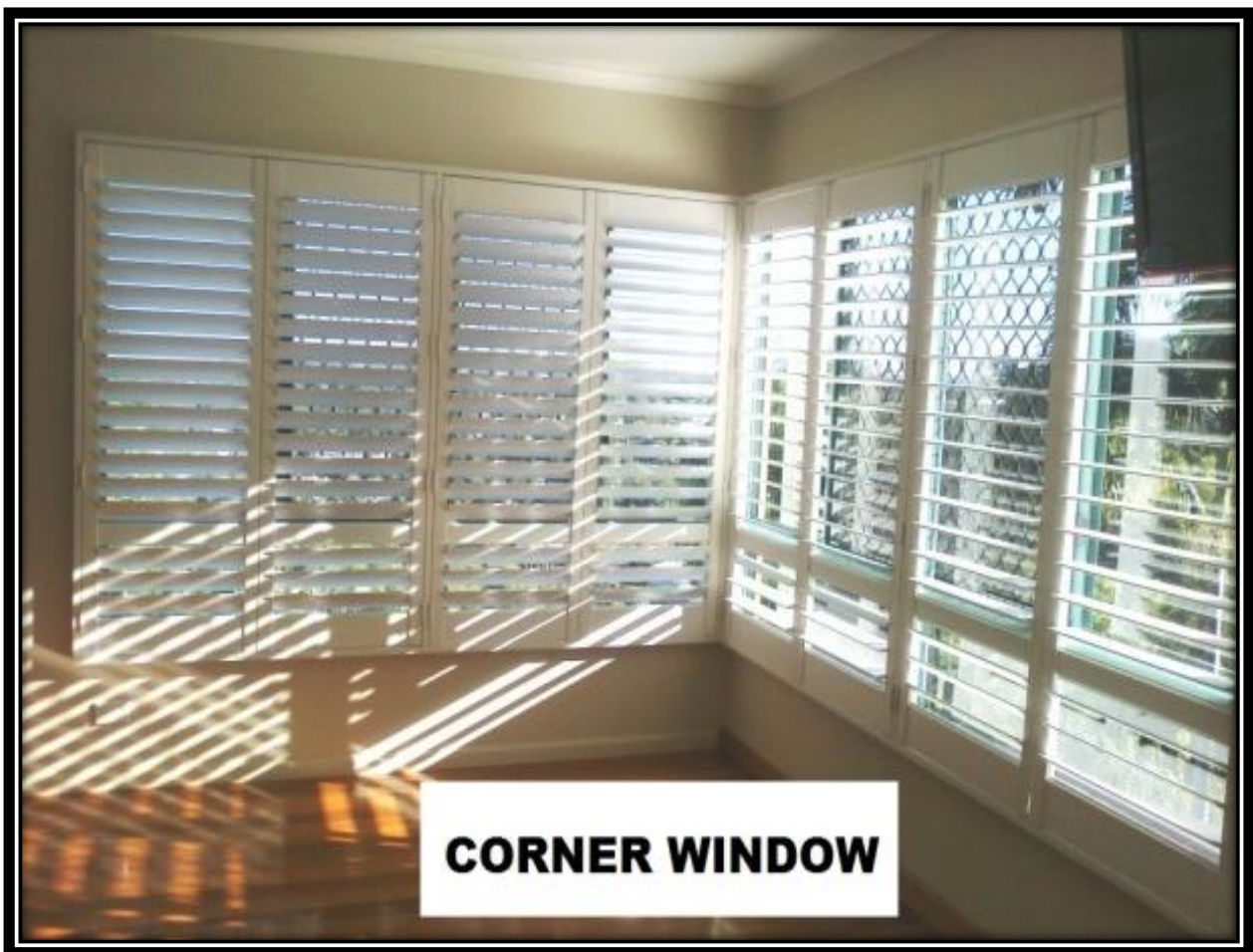
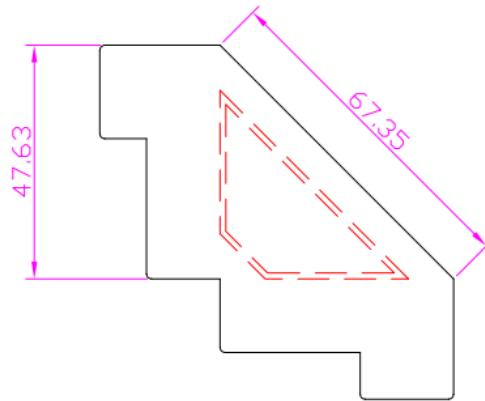
## 11.1 Bay Windows

Shutters with Bay Posts are arguably the best window treatment for Bay Windows. They look great, fit neatly, accommodating  $135^\circ$  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.

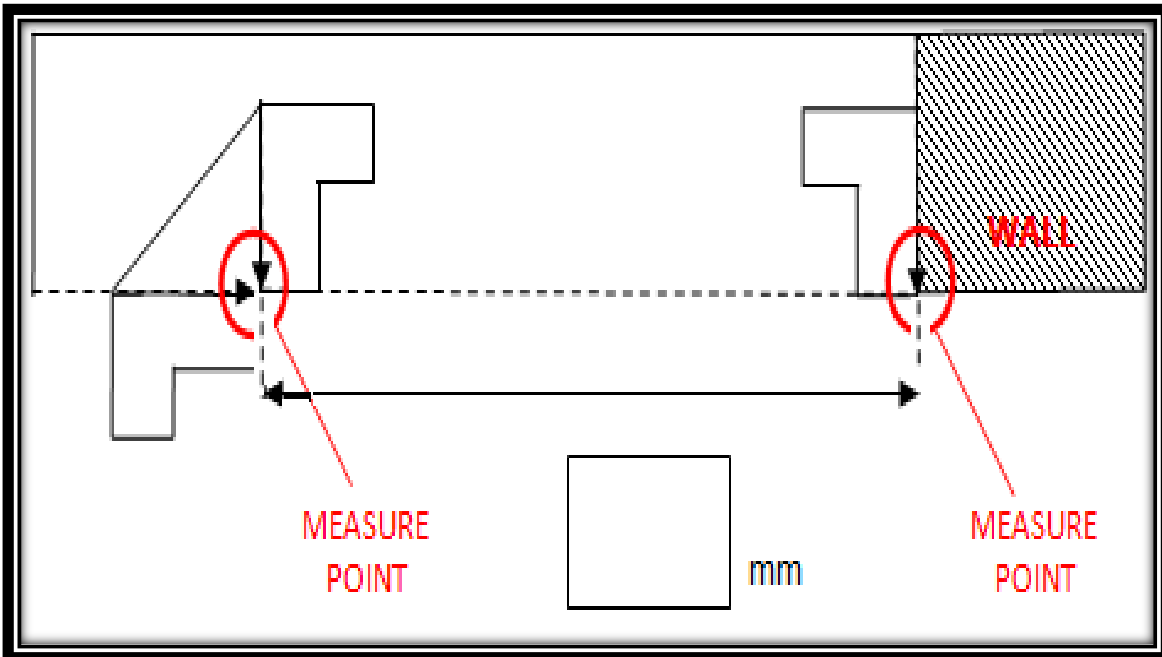


## 11.2 Corner and Box Windows

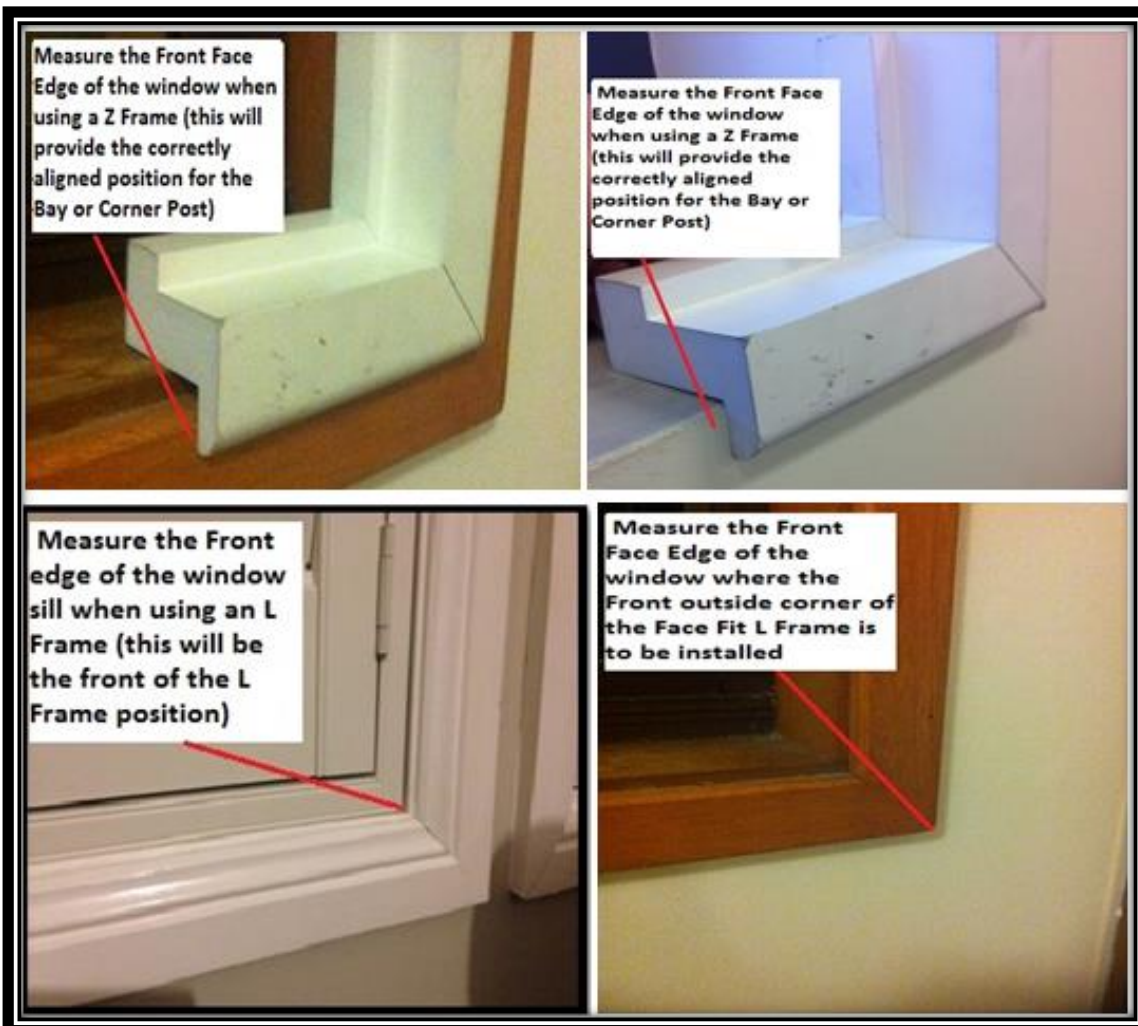
Like Bay Windows, Shutters with Corner Posts are considered to be the best window treatment for Corner and Box Windows. They look great, fit neatly, accommodating one, or two **90°** opening angles effectively without gaps or overlaps. Ordering this option requires supplying a **Corner or Box Window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



### 11.3 Measuring Guide for Bay and Corner Windows



#### Examples of Frame Position



## 11.4 Diagrams

We have created a Shutter Diagram Order Form 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 within this Order Form a specially drawn diagram will need created and supplied.

Diagrams must be emailed to [shutterorders@pacificwholesale.com.au](mailto:shutterorders@pacificwholesale.com.au)  
We cannot accept any faxed copies.

Please contact the office if you require an electronic version of the Shutter Diagram Order Form.

The standard form includes the listed options below:

### 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 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



## 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

## 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

## Other

Horizontal T Post
Horizontal T Post With Filler Board

## 11.5 Example of Specific Diagrams

Below is an example of one of the diagrams;

Box Window

Inside Mount (4 T Posts)

Line Item #	
-------------	--

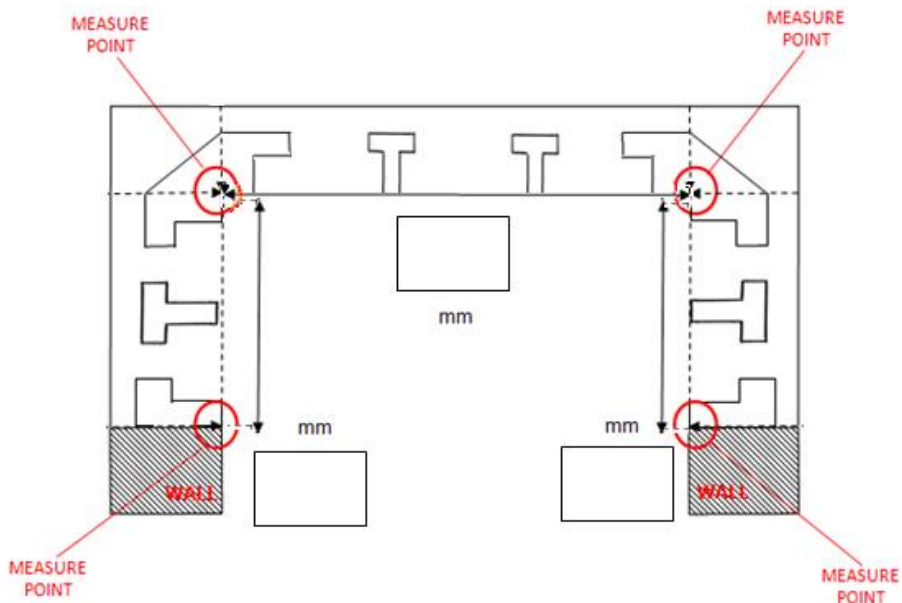
MUST SUPPLY FRONT FACE OF WINDOW MEASUREMENTS

- 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**

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

Layout Code:	
--------------	--



## 11.6 Shaped Shutters

### Shaped Shutters Templates and Drawings

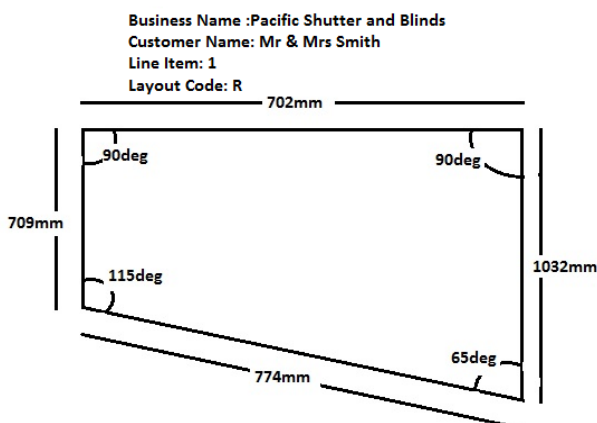
Shaped Shutters can be a great option for covering uniquely shaped windows or cut outs in walls. Shaped shutters will require either\*:

- A traced Template for complex and non-circular curved shapes, such as ovals and arches that are not exact half circles.
- A line Drawing with angles for straight line and basic geometric shapes including rakes, parallelograms, circles, equilateral, or right-angle triangles etc.
- 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

## Tracing a Window to create a Template

### 1. Tracing the Window



### 2. Template Example Required



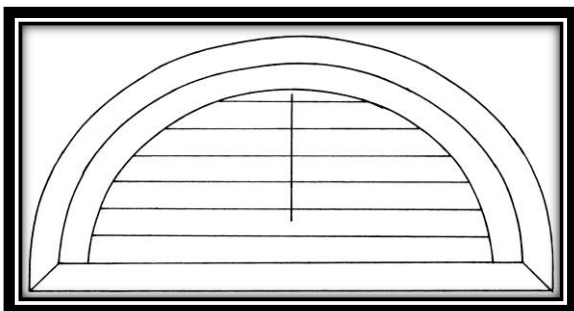
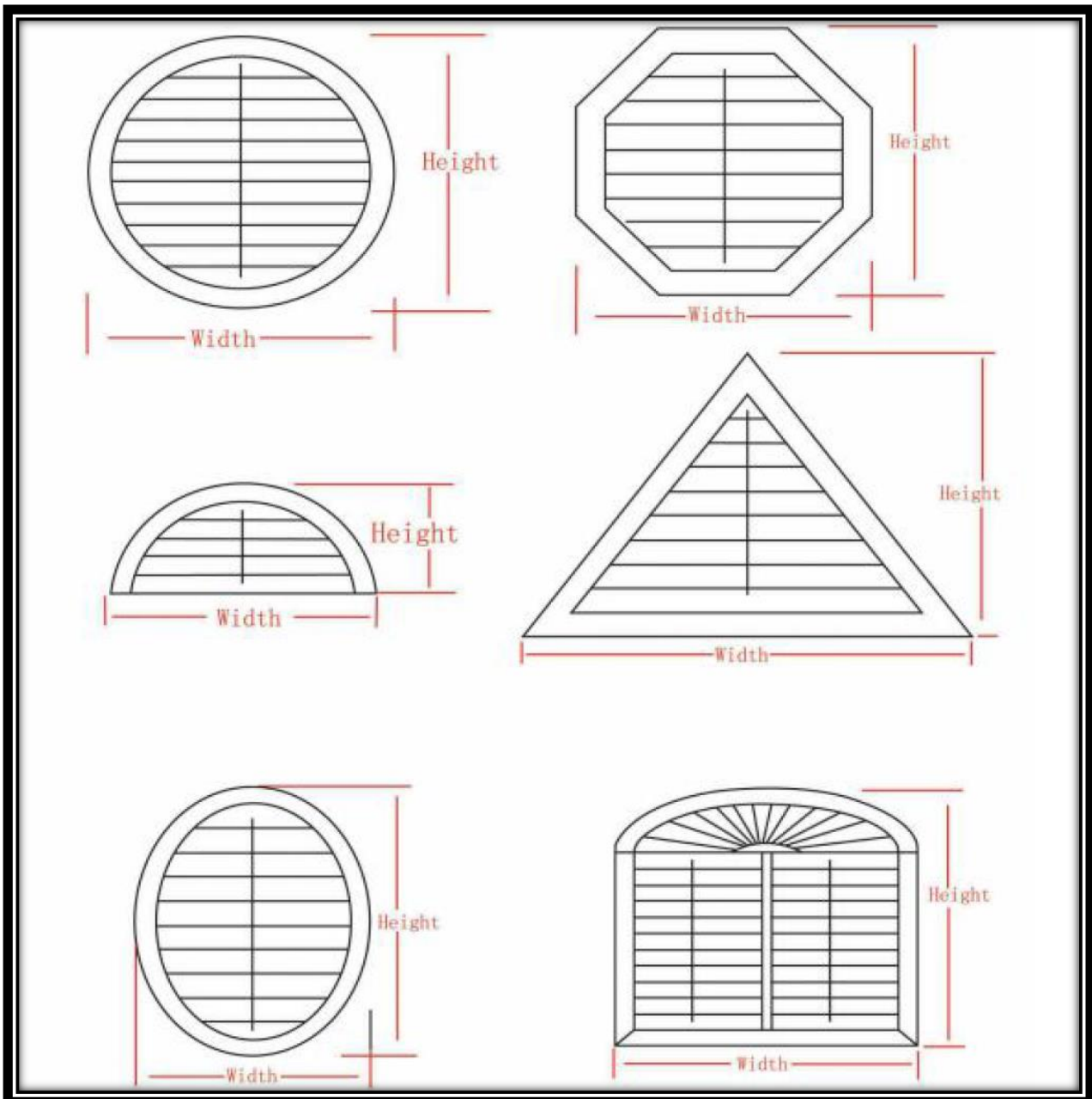
**Shaped Shutters Gallery**



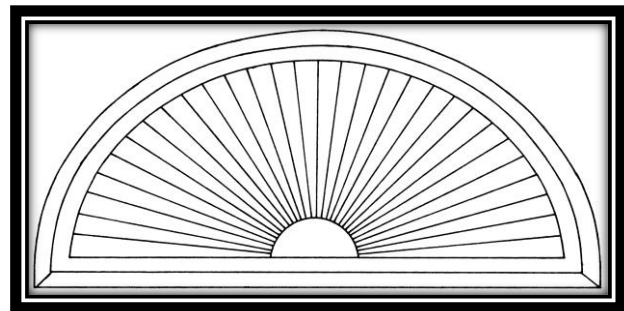
\*See Glossary and Reference Charts at the end of this manual for more detailed information

## Shape Shutter Examples

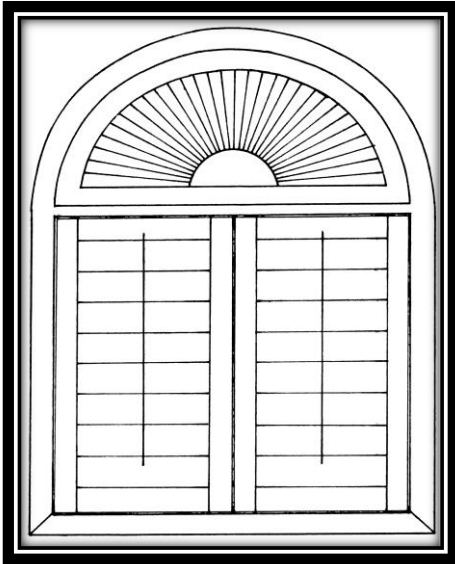
Following are some examples of shaped shutters that can be manufactured. Designer Eco Shapes are available in the Standard or Specialty colours.



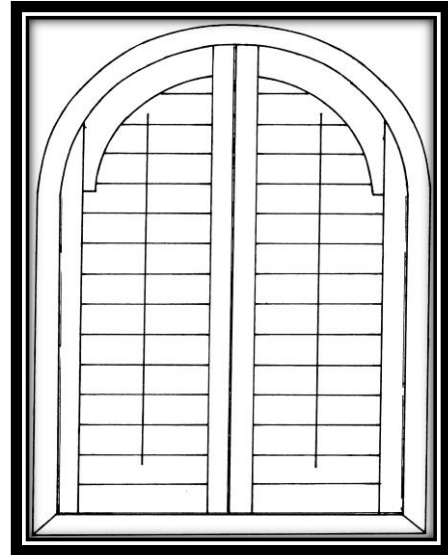
Standard Arch - with Centre Tilt Rod  
(template required)



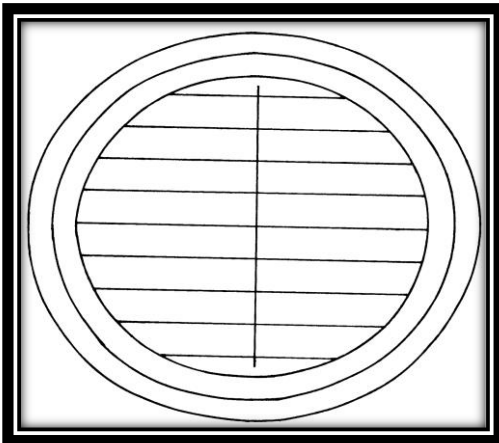
Sunburst Arch - no Tilt Rod available  
(template required)



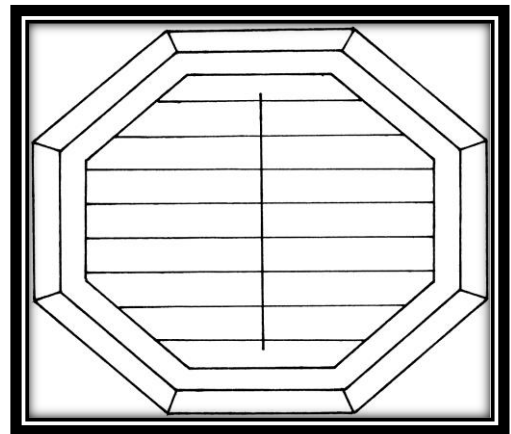
Sunburst Arch at top with Horizontal T-Post  
(template required for arched section)



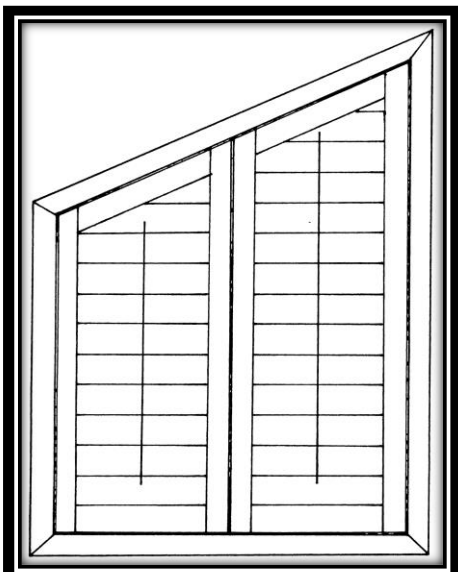
Arched Shutter - with Centre Tilt Rod  
(template required for arched section)



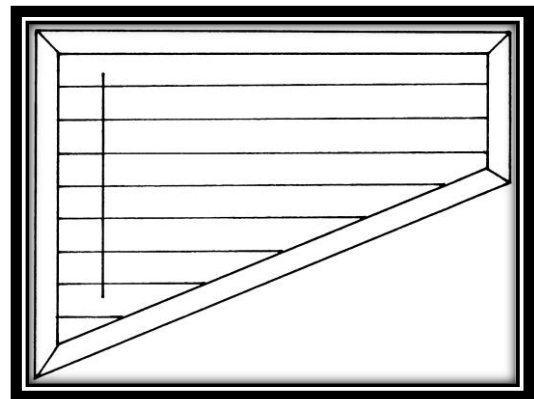
Circle Shape – with Centre Tilt Rod  
(template required if not 100% symmetrical)



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)

## 11.7 Door Cut Out

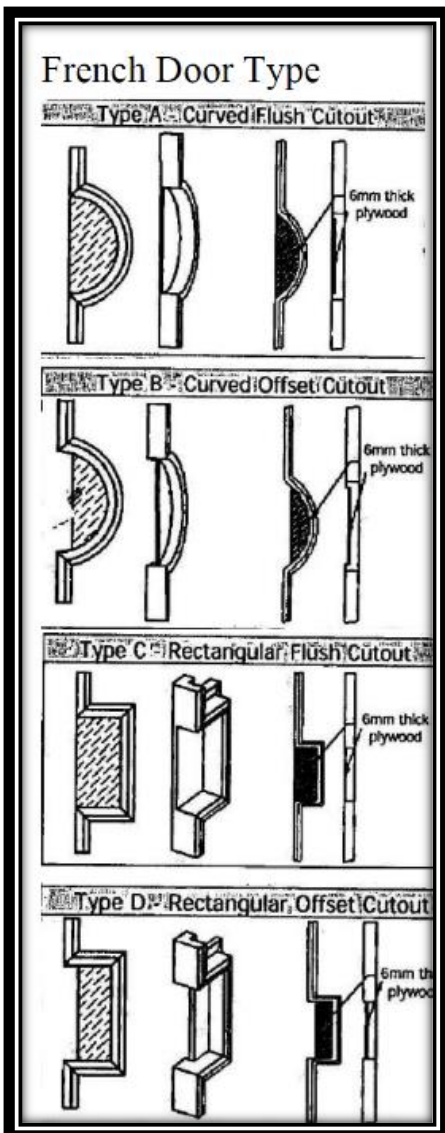
Door Cuts Outs in a shutter panel can be a great option for accessing an awkwardly placed door handle.

“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.





## 11.8 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 when opening, a little like “barn doors”.

- A great option to accommodate obstacles like a lounge or even a bath situation 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 can also be used above or below a Horizontal T Post instead of panels. Filler boards are attached with magnets so can be removed for cleaning.



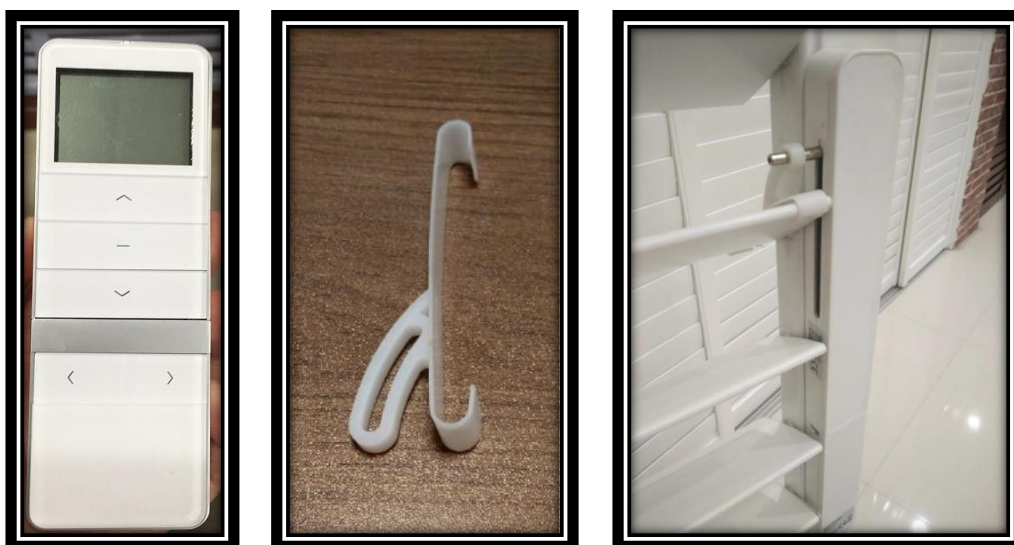
## 11.9 Motorised Shutters

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 and are available for Designer Eco/Eco Plus.



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. Hidden tilt rods 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. Please note motor will be supplied loose and will need to be installed on site by the fitter.



## 12. Hardware and Extra Timbers

### 12.1 Blade Pins/ Spring Pins



#### Tension

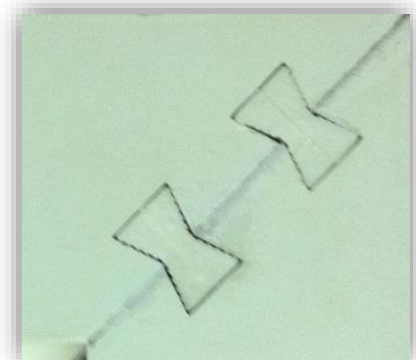
Custom made from nylon for superior operation and longevity, easily adjustable blade tensioning system located in the stile, this provides flexibility in being able to increase or decrease the tension to suit all applications

### 12.2 Herman Joints (Hoffmann Keys)

Where possible with all our frames, double Herman Joint set ups will be used.

- This involves using a small and a large Herman Joint in every corner of the frame, giving the frame the best possible chance to be set square and is an advantage with all Shutters.
- You will find all L Frames will have a small and large Herman Joint in each corner, but on Z Frames you will find one Herman Joint due to the shape of the frame only.
- Herman Joints are intended to hold the mitres together on a temporary basis. All mitred corners should be secured with diagonal screws by the installer to ensure tight mitre joints, prior to lifting the frame into place.

Large Herman Joint    Small Herman Joint



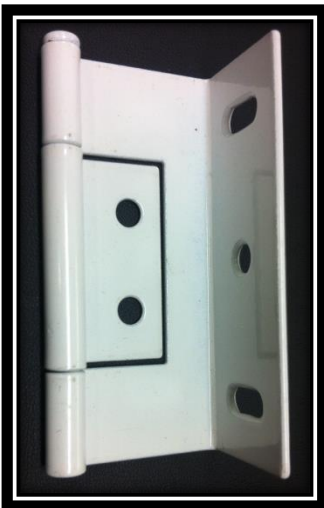
## 12.3 Hinges



Standard Drop in Pin –  
Large Hinge  
*Used for Designer Eco  
Hinged panels (77mm)*



Drop in Pin – Large Hinge  
*Used for Designer Eco Plus  
and Designer Eco Night  
Hinged panels (90mm)*



L Drop in Pin Hinge  
Used for Hanging Strip



Stepped Rabbet Hinge  
Used for Bi Fold and Double Hinged  
panels

## 12.4 Default Hinge Colours

COLOUR	DEFAULT HINGE COLOUR
Bright White	Bright White
Classic White	White
Snow White	Snow White
Super White	Snow White
Vanilla	Ivory
Ceylon	Ceylon
Earl Grey	Earl Grey
French White	French White
Infinite White	Infinite White
Polar White	Polar White
Quiet White	Quiet White
Snow Gum Grey	Snow Gum Grey
Snowy Mountains White	Snowy Mountains White

The above hardware colours are the default.

Please specify on your order form if you require alternatively coloured hinges.

*\*Stainless Steel incurs additional cost.*

*\*Stainless Steel hinges are supplied in a 304 grade Stainless*

## Flush Bolts

\* Surcharge Applies

\* Available to order on all mounting methods

\* Only available in Stainless colour. These cannot be colour matched to the shutter panels

\* When ordering with the Rack & Pinion Tiltrod, the bottom rail must be bigger than 115mm

\* Not available on the Designer Eco PLUS range



## 12.5 Extra Timber List

Please see below for a summary of the Extra's that can be ordered;

DESCRIPTION	SPECIFICATIONS	MAXIMUM LENGTH
Light Stop	19mm x 19mm	3000mm
	20mm x 5mm	
	19mm x 25mm	
	40mm x 25mm	
	50mm x 20mm	
	31.8mm x 9.5mm	
Mounting Block	30mm x 25mm	3800mm
	18mm x 18mm	3000mm
Fascia	60mm x 9.5mm	3600mm
	100mm x 9.5mm	
	140mm x 9.5mm	
Headboard	100mm x 19mm	3800mm
	140mm x 19mm	3000mm
	180mm x 19mm	
	220mm x 19mm	
U Channel	40mm x 15mm	3800mm
	40mm x 25mm	
Reveal L Frame		
Hanging Strip	35mm x 28.6mm	
Small Face Fit L Frame		
Medium Face Fit L Frame		
Case Frame		
Square Z Frame		
Small Deco Z Frame		
Medium Deco Z Frame		
Angled Deco Z Frame		
Classic Deco Z Frame		
Sill Frame		
Bullnose Large Z Frame		
Bullnose Z Frame		
T Post		

Extras are ordered in the "Extra's" area of the order form:

m	Quantity	Length	Extra's	Material	Colour
	2	1350	Additional Fascia 100mm x 9.5mm	Fauxwood	Bright White

# 13. **Ordering and Terminology**

Please see the following pages for an example of the Order Form, and a reference chart for order form help.

										<b>STORE NAME:</b> <b>CUSTOMER NAME:</b> <b>DELIVERY ADDRESS:</b> <b>WORKSHEET # / PO:</b> <b>DATE:</b>										Page 1 of 1 Total M2 5.888 M2 5.888 Panels 5 Total Tracks 5.888							
<b>ORDERS EMAIL ADDRESS:</b> shutterorders@pacificwholesale.com.au <b>SALES ORDER NO.:</b>										<i>As designed to begin at the left and mark towards the right as the options will change based on the actual size</i>										<b>DESTINATION PORT:</b> SYD							
Line #	Room Location	Frame Width	Frame Height	MS In Or Out	Panel Quantity	Material & Profile	Colour	Blade Size	Mid Rail Height	Window Type	Mounting Method	Logan Code	Frame Type	Left Frame	Right Frame	Top Frame	Bottom Frame / Track	Tilted Type	Ring Colour	Ring Qty	Panel Quantity	1st T Panel	2nd T Panel	3rd T Panel	Side & T Panel	Track Strip	Unit
1																											m <sup>2</sup>
<h1>Page 1</h1>																											
Line #	Standard Special Comments # 1					Standard Special Comments # 2					Standard Special Comments # 3					More Specific Line Item Notes/Special Comments					General Notes						
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
Line #	Quantity	Length	Entire's			Material	Colour	Quantity	Hardware			Colour	Additional Item Notes														
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											



# 14. Sales Aids

## 14.1 Sales Aids and Swatches

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

## 14.2 Shutter Case

Includes:

*1 x Sample Panel*

*Colour Samples*

*Frame Samples*

*Hinge Colours*

*Stile/Rail Sample*



### 14.3 Swatches

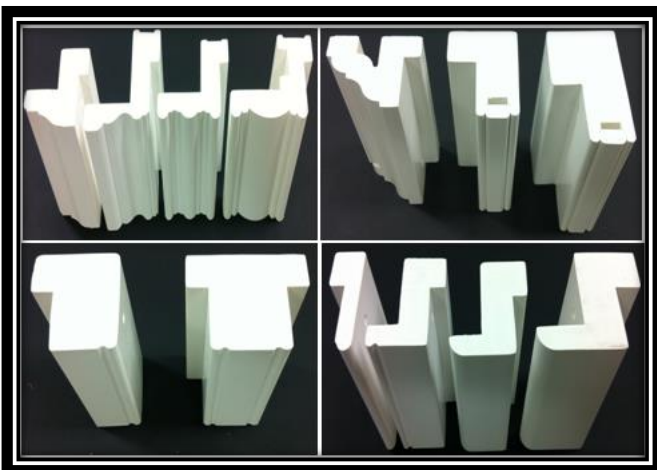
Designer Eco/Eco Plus Blades

\$POA per set



Designer Eco/Eco Plus/Eco Night Frames

\$POA per set



## 14.4 Shutter Sample

\$POA per panel

Designer Eco



Designer Eco Night



An electronic Sales Aids order form is available, please email [shutterorders@pacificwholesale.com.au](mailto:shutterorders@pacificwholesale.com.au) and request a Sample Swatches order form to be emailed today.

# 15. 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](mailto: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.



# 16. Care and Maintenance

## 16.1 Care and Maintenance Designer Eco/Eco Plus/Eco Night Shutters

### Cleaning and Care

The surfaces of the Designer Eco/Eco Plus/Eco Night Shutters will collect a layer of dust over time.

Normal and regular dusting with a soft damp cloth or brush will remove this build up.

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

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

In coastal and wet areas all hinges, magnets and catch plates require the regular removal of airborne contaminants that can cause pitting/rusting.

Pivoting and moving parts will also require regular applications of a food grade silicon spray to reduce friction and binding (*do not use petroleum-based lubricants*).

#### **CAUTION:**

Never use harsh cloths, harsh abrasives, chlorine or ammonia-based chemicals or cleaners on the Shutters surfaces as they may affect the surface appearance and longevity and will void all warranties.

# 17. Shutter Questions and Answers

## Q: Panel sizes?

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

## Q: What is Fauxwood made from?

A: Fauxwood Shutter is best described as an Extruded PVC

## Q: Can Fauxwood be used for external application?

A: No, despite being waterproof and having high tensile polyurethane coatings, it is only warranted under internal use

## Q: What deductions are taken for inside mount?

A: For Hinged Panels in frames the deduction for inside mount is 3.2mm in the width and also the drop.

## 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

## Q: Do I need framing for my shutters?

A: Yes, 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

## Q: What width is the mid rail?

A: Fauxwood Mid rails are 79.5mm in width (depth). Refer to [Mid Rail](#)

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

A: We recommend ordering a Mid Rail location as "Critical Mid Rail" in the Special Comments, as the factory has a (MAA) 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 and whether or not the top and bottom rails have the Aluminium Insert Reinforcing (for Fauxwood panels over 650mm wide).

**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**” 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 amount of full blades required and whether or not the top and bottom rails have the Aluminium Insert Reinforcing (for Fauxwood panels over 650mm wide). Refer to [Mid Rail](#)

**Q: Can I have an uneven amount 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 (Sliders only can use a Floor Guide if a track is not suitable, but tracks are strongly advised). Refer to [Tracking for Bi Fold Panels](#) and [Tracking for Sliding 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, as these are vital facts which the factory require to support your claim, and they also 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: Between 6 and 8 weeks from order confirmation (i.e. once all information received on the order form is correct and complete without further questions).

## 18. Glossary

<b>Angled Windows Except Bay, Box and Corners</b>	<p>Windows with angles between panels 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 boards 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.</p>
<b>Apple Software</b>	<p>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.</p>
<b>Bay Window Measuring Guide</b>	<p>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.</p> <p>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”.</p> <p>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”.</p> <p>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”.</p> <p>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”.</p>
<b>Bay Window Ordering</b>	<p>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).</p>
<b>Bay Window Template</b>	<p>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.</p>
<b>Bay Window Template List – Inside Mount</b>	<p>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)</p>



	<p>Bay Window Inside Mount (2 T Posts)</p> <p>Bay Window Inside Mount (3 T Posts)</p> <p>Bay Window Inside Mount (4 T Posts)</p> <p>Bay Window Inside Mount</p> <p>Bay Window Horizontal T Post</p>
<b>Bay Window Template List – Outside Mount</b>	<p>Bay Window Outside Mount (1 Bay – 1 T Post)</p> <p>Bay Window Outside Mount (1 Bay – 2 T Post)</p> <p>Bay Window Outside Mount (1 Bay Post)</p> <p>Bay Window Outside Mount (1 T Post)</p> <p>Bay Window Outside Mount (2 T Posts)</p> <p>Bay Window Outside Mount (3 T Posts)</p> <p>Bay Window Outside Mount (4 T Posts)</p> <p>Bay Window Outside Mount</p> <p>Bay Window Horizontal T Post</p>
<b>Bifold Panels</b>	<p>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.</p> <p>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 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.</p>
<b>Bifold Framework</b>	<p>Default is a 100mm Headboard and Side Boards. On request in the Comments area 140mm, 180mm or 220mm depths are available. Side Frames/ Boards are recommended on all Bi-folding Panels. Please select “YES” in the “Left &amp; 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.</p> <p>If NO Side Frames/Boards are selected but a Light Block is required on each side, please select “Light Stop” in the “Left &amp; Right” Framing Columns on the order form.</p> <p>The headboard and track will not exceed 3000mm in length, sizes ordered over 3000mm 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.</p>
<b>Bifold Outside Mount</b>	<p>Outside of Frame measurement MUST be supplied for Outside Fit, this must be to the top of the 20mm 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.</p>

<b>Bifold Reveal Fit</b>	<p>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.</p> <p>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.</p> <p>When ordering, the Panel Quantity must match the Layout Code e.g; 2 panels = LL; 4 panels = LLRR.</p> <p>If ordered IN, Fascia is supplied without returns unless otherwise requested.</p>
<b>Bifold Tilt Rod</b>	<p>It is recommended that Hidden Tilt Rod is ordered for all Bifold panels. However, if a Centre Tilt Rod is required it will be offset by 8mm to ensure the panels fold back evenly.</p>
<b>Bifold Tracks</b>	<p>Bifold Shutters must have both top and bottom tracks fitted to operate properly. The headboard and track will not exceed 3000mm in length, sizes ordered over 3000mm 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 Hardware i.e. wheels, top &amp; bottom pivots, bumpers will be supplied. Bifolds that have a centre opening layout i.e. LLRR – will be supplied with two independent top track stopper blocks.</p>
<b>Box Window</b>	<p>See Corner Window for most information. Templates are below.</p>
<b>Box Window Template List</b>	<p>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</p>
<b>Calculation Column on Order Form</b>	<p>Blue Calculation cells are for your information only and can't be changed.</p>
<b>Corner And Box Window Measuring Guide</b>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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</p>

	<p>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.</p> <p>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.</p>
<b>Corner and Box Window Ordering</b>	<p>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”.</p> <p>“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.</p>
<b>Corner or Box Window Template</b>	<p>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.</p>
<b>Corner Window Template List</b>	<p>Corner Window</p> <p>Corner Window Inside Mount (1 T Post)</p> <p>Corner Window Inside Mount (2 T Posts)</p> <p>Corner Window Inside Mount (3 T Posts)</p> <p>Corner Window Inside Mount (4 T Posts)</p> <p>Corner Window Inside Mount</p> <p>Corner Window Outside Mount (1 T Post)</p> <p>Corner Window Outside Mount (2 T Posts)</p> <p>Corner Window Outside Mount (3 T Posts)</p> <p>Corner Window Outside Mount (4 T Posts)</p> <p>Corner Window Outside Mount (5 T Posts)</p> <p>Corner Window Outside Mount (6 T Posts)</p> <p>Corner Window Outside Mount</p>
<b>Critical Mid Rail</b>	<p>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 82mm deep, then the Mid Rail could be positioned up 26mm, or down 26mm and still cover the mullion. Make a note in the comments area for this item “MR can move +/- 26mm”. 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.</p>
<b>Double Hinged Panels</b>	<p>Double Hinged Panels (Hinged Bifold) can be a good solution for windows where a fixture such as a tap prevents a wider single panel from opening</p>

	<p>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.</p> <p>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; however, we do not recommend leaving Fauxwood panels unsupported for long periods (they should be positioned in their frames except for short periods).</p> <p>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 &amp; 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.</p>
<b>Face Fit</b>	<p>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.</p>
<b>Face Fit Depth Required</b>	<p>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 67mm; 63mm blades need 55mm and 114mm blades need 80mm Frame depth. This depth can be reduced by approx. 9mm if a Centre or Offset tilt is ordered.</p>
<b>Fixed with Lightstop Beading</b>	<p>To order Fixed with Beading, fill in the order form except the columns from Layout Code to Bottom Frame. Select "Panels Fixed with Light Stop Beading Front &amp; 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.</p>
<b>Fixed with Magnets</b>	<p>To order the entire opening Fixed with Magnets, complete the order form as for hinged panels and select the "Panels Fixed with Magnets &amp; Catches" option on one of this item's Standard Special Comments columns.</p> <p>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 &amp; 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.</p>
<b>Fixed with U Channel</b>	<p>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.</p>

	Where more than one panel are 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.
<b>Hang Strip</b>	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.
<b>Hinge Number</b>	The number of hinges for each item is calculated outside the order form in column AS. This is handy if quoting Stainless Steel hinges.
<b>Horizontal T Post Template List</b>	Horizontal T Post Horizontal T Post with Filler Board
<b>Location</b>	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.
<b>Maximum Panel Widths</b>	Panel widths should be kept well less than the maximum widths to reduce the weight on the hinges. The factory may add extra hinges to the top if they believe the weight and size of the panel is too heavy, this is to ensure extra support is given to prevent any strain. Wide or larger Fauxwood panels may need to be lifted in and out of their frames.
<b>Mid Rail Position</b>	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
<b>No Frame at the Bottom</b>	It is best to order Framed Shutters with full four-sided framing. If a reduced clearance is required off the floor, Sill Frames are narrow frames that will reduce the clearance off the floor, yet still support the panels. Without a bottom frame, pairs of panels will not have a frame on which to mount bottom magnet catches, may sag over time and not sit perfectly aligned without bottom catches, or light stops.
<b>Numbering Panels</b>	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

	<p>Panel 4. Use these panel numbers to clearly identify any Special Comments or requirements for particular panels.</p> <p>If numbering Tier on Tier Panels, please number the top panels left to right, then the bottom panels left to right</p>
<b>Order Exceeds 15 Items</b>	<p>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)</p>
<b>Order Form Help</b>	<p>There are a number of cells that have helpful comments embedded. Hold your cursor over the cell to read these.</p>
<b>Pivot Hinge</b>	<p>Pivot hinges are not currently available for Designer Eco/Eco Plus/Eco Night Shutters.</p>
<b>Rabbit Stile - Changing Default Side</b>	<p>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.</p> <p>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".</p> <p>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".</p>
<b>Rail Depth (Height)</b>	<p>Top &amp; Bottom Rail heights are variable depending on the height of the panel and the number of blades required. Panels can be ordered with "Maximum Number 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 87mm without a warranty waiver.</p>
<b>Reveal Depth</b>	<p>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, 89mm blades need 67mm, 63mm blades need 55mm and 114mm blades need 80mm clear depth.</p> <p>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.</p>
<b>Reveal Fit Frames</b>	<p>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.</p>
<b>Shaped Shutters Framing</b>	<p>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.</p>
<b>Shaped Shutters Ordering</b>	<p>Drawings for straight line shapes and Templates for curved shapes must be supplied as supporting documentation to the Standard Order Form. "Shaped</p>

	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.
<b>Side by Side</b>	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.
<b>Sliding Bottom Guide</b>	Floor Guides are only recommended for single (not Combo) 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.
<b>Sliding Fascia</b>	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.
<b>Sliding Frame Depths</b>	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.
<b>Sliding Layout Codes</b>	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.
<b>Sliding Open or Closed</b>	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.
<b>Sliding Panel Frames</b>	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 3000mm




	<p>in length, sizes ordered over 3000mm will be in two sections. This join will be positioned in consideration of the arrangement. For example, a 4000mm opening with BFFB, the Fascia will be joined at 2000mm.</p> <p>Side Frames/Boards are recommended on all Sliding Panels. Please select “YES” in the “Left &amp; 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.</p> <p>If NO Side Frames/Boards are selected, but a Light Block is required on each side, please select “Light Stop” in the “Left &amp; 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.</p>
<b>Sliding Headboard Support</b>	<p>Designer Eco/Eco Plus Headboards are PVC; therefore, Sliding L Brackets are recommended for wide and deep arrangements to ensure the headboard is able to adequately support the weight of the arrangement. These are ordered in the Hardware section of the order form. They are not automatically supplied as the quantity required is dependent on the supporting timber, fixing method, depth and sizes of the opening.</p>
<b>T Posts</b>	<p>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.</p> <p>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.</p> <p>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.</p>
<b>Tall Panels</b>	<p>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.</p>
<b>Templates Available</b>	<p>SEE Bay Window; Corner Window; Box Window; Horizontal T Post; or Door Cut Out in this glossary for a list of Templates available</p>



# 19. Shutter Range & Mounting Method Reference Chart

Please refer to the following pages.

# Shutter Range Reference Chart

Material		Fauxwood		
Shutter Range	Designer Eco™ 	Designer Eco Plus™ 	Designer Eco Night 	
<b>Selling Features</b>	Fully Featured Product With Extensive Options Extensive Frame Options Wide Panels Suitable For Wet Area's Fluffy Strip Option Specialty Colours Option Flush Bolts Unique Scratch Resistant Coating	Fully Featured Product With Extensive Options Patented Reinforced Design Exclusive Curved Top & Bottom Rail Wide Panels Latest Innovation Extensive Frame Options Suitable For Wet Area's Fluffy Strip Option Specialty Colours Option Unique Scratch Resistant Coating	Advanced Room Darkening Design Superior Privacy & Light Shielding Exclusive Grooved Blades & Top/Bottom Rail Latest Innovation Extensive Frame Options Suitable For Wet Area's Fluffy Strip Standard Specialty Colours Option Excellent For Home Theatre Rooms Flush Bolts Unique Scratch Resistant Coating	
Material		Material		
Advanced Waterproof PVC Polymer		Advanced Waterproof PVC Polymer		Advanced Waterproof PVC Polymer
<b>Advantages</b>				
Fire Retardant	✓	✓	✓	✓
Termite Proof	✓	✓	✓	✓
Insulative Properties <i>Keeps Homes Both Cooler In Summer &amp; Warmer In Winter</i>	✓	✓	✓	✓
Repels Moisture	✓	✓	✓	✓
Scratch Resistant Paint	✓	✓	✓	✓
High Tensile Coatings <i>Will Not Crack Or Peel</i>	✓	✓	✓	✓
Colour	Finish	Colour Options		
Bright White	Painted	✓	✓	✓
Classic White		✓	✓	✓
Snow White		✓	✓	✓
Super White		✓	✓	✓
Vanilla		✓	✓	✓
Colour	Finish	Specialty Colour Options <sup>1</sup>		
Ceylon	Specialty Painted	✓	✓	✓
Earl Grey		✓	✓	✓
French White		✓	✓	✓
Infinite White		✓	✓	✓
Polar White		✓	✓	✓
Quiet White		✓	✓	✓
Snow Gum Grey		✓	✓	✓
Snowy Mountains White		✓	✓	✓
<b>Blade Types</b>				
Blade Shape	Elliptical	Elliptical	Grooved	
<b>Blade Sizes</b>				
63mm	✓	✓	✓	
89mm	✓	✓	✓	
92mm			✓	
<b>Tiltrod Types</b>				
Centre	✓	✓	✓	
Hidden	✓	✓	✓	
Off-Set	✓	✓	✓	
Rack & Pinion	✓	✓	✓	
<b>Panel Heights</b>				
Minimum Panel Height	350mm	350mm	350mm	
Maximum Panel Height	2600mm	2600mm	2600mm	
Midrail Required Over	1500mm	1500mm	1500mm	
<b>Panel Widths</b>				
Minimum Panel Width	180mm	180mm	180mm	
Standard Panel Width (Maximum)	650mm	650mm	650mm	
Over Standard Panel Width For 63mm Blades (Maximum) <i>With Hinged, Fixed, Sliding Mounting Options Only</i>	900mm	950mm <sup>4</sup>	N/A	
Over Standard Panel Width For 89mm Blades (Maximum) <i>With Hinged, Fixed, Sliding Mounting Options Only</i>	900mm	950mm <sup>4</sup>	N/A	
<b>Maximum Panel Widths - By Mounting Method</b>				
Maximum Panel Widths - By Mounting Method	Please Refer Next Page		Please Refer Next Page	
<b>Rail Profiles &amp; Hinge Sizes</b>				
Top & Bottom Rail	Standard Profile	Patented Reinforced Curved Profile	Grooved Profile	
Hinge Size	Standard 77mm	Large 90mm	Large 90mm	
<b>Special Options Available</b>				
Shaped Shutters <sup>3</sup>	✓	✓	x	
Door Cutouts	✓	✓	x	
Bay Windows	✓	✓	✓	
Corner Windows	✓	✓	✓	
Fluffy Strip Stile <sup>2</sup>	Optional (Vulnerable In Wet Area's)	Optional (Vulnerable In Wet Area's)	Included (Vulnerable In Wet Area's)	
Pivot Hinged Panels	✓ <i>Pivot Hinges only available in White and Stainless Steel</i>	✓ <i>Pivot Hinges only available in White and Stainless Steel</i>	x	
Lockable	✓	x	✓	
Motorised Option	✓	✓	x	
Suitable For Wet Areas	✓	✓	✓	
<b>Notes:</b>	<sup>1</sup> Specialty Colours Surcharge applies. <sup>2</sup> Fluffy Strip Surcharge applies. <sup>3</sup> Shaped Arch, Shaped Round & Shaped Sunburst are not available with the Rack & Pinion Tiltrod <sup>4</sup> Max panel width when using the Rack & Pinion Tiltrod is 900mm 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
<b>Recommended Applications For Use</b>		Windows	Windows	Fixed Glass Windows Wall Cut-Outs	Room Dividers Doorways	Room Dividers Doorways
<b>Allowances</b>						
Recess Fit (IN)		✓	✓	✓	✓	✓
Face Fit (OUT)		✓	✓		✓	✓
<b>Width</b>		<b>Product</b>		<b>Panel Widths</b>		
Minimum Panel Width	Designer Eco	180mm	180mm	180mm	180mm	180mm
	Designer Eco Plus	180mm	180mm	180mm	180mm	180mm
	Designer Eco Night	180mm	180mm	180mm	N/A	N/A
Maximum Panel Width	Designer Eco	900mm	450mm/900mm Over 2 Panels	900mm	650mm	900mm
	Designer Eco Plus	950mm <sup>1</sup>	450mm/900mm Over 2 Panels	950mm <sup>1</sup>	650mm	950mm <sup>1</sup>
	Designer Eco Night	650mm	450mm/900mm Over 2 Panels	650mm	N/A	N/A
Maximum Panel Width - Combo Panels	Designer Eco	N/A	N/A	N/A	N/A	1300mm
	Designer Eco Plus	N/A	N/A	N/A	N/A	1300mm
	Designer Eco Night	N/A	N/A	N/A	N/A	N/A
<b>Panel Heights</b>						
Minimum Panel Height	Designer Eco	350mm	350mm	350mm	350mm	350mm
	Designer Eco Plus	350mm	350mm	350mm	350mm	350mm
	Designer Eco Night	350mm	350mm	350mm	N/A	N/A
Maximum Panel Height	Designer Eco	2600mm	N/A	2600mm	2600mm	2600mm
	Designer Eco Plus	2600mm	N/A	2600mm	2600mm	2600mm
	Designer Eco Night	2600mm	N/A	2600mm	N/A	N/A
<b>Framing Options</b>						
L Frames (In/OUT)	Designer Eco Designer Eco Plus Designer Eco Night	✓	✓	(With Magnets & Catches) ✓		
Z Frames (IN)		✓	✓	(With Magnets & Catches) ✓		
T Post (Hinging Extra Panels)		✓	✓	(With Magnets & Catches) ✓		
Top & Bottom U Channels		Optional		✓		✓ +
Left & Right Light Stops				✓		✓ +
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					✓ +	
<b>Special Options Available</b>						
Shaped Shutters <sup>1</sup>		✓ <sup>2</sup>	✗	✓	✗	✗
Door Cutouts <sup>1</sup>		✓	✓	✓	✓ +	✓ +
Bay Windows (135° Bay Post)		✓	✓	✗	✗	✗
Corner Windows (90° Corner Post)		✓	✓	✗	✗	✗
<b>Layout Code Examples</b>						
Layout Code Example		LR LTLR RTRTR	LL RR LLRR	No Layout Codes Required	LL RR LLRR	BFFB BMFFMib
Layout Code Explanation			Two panels hinged together, with no top or bottom tracking. Maximum two panels hinged together. Combined panel width must be less than 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.
<b>Notes:</b>	<sup>1</sup> Not available in Fauxwood Eco Night. <sup>2</sup> Must hinge from the longest side of the panel. <sup>3</sup> Max panel width when using the Rack & Pinion Tiltrod is 900mm <sup>4</sup> Fauxwood Night is not available for Bi-Fold or Sliding options.					