

# BENEFITS & FEATURES

## Australian Made

Made in our state of the art factory, situated at 4/145 Quinns Hill Road East, Stappylton, Queensland and our Head Office situated at 174 Cavan Road, Dry Creed South Australia.

## 15 Year Transferable Warranty

The INSPIRE warranty is transferable to all owners of the home the INSPIRE Shutters are installed in, thus ensuring a true asset gain when your home is sold.

## Guaranteed not to Crack, Warp, Shrink Or Discolour

Manufactured from our unique Polymer Foam, the INSPIRE product is suitable for all areas inside the home.

## Easy Care

A simple wash regularly with warm soapy water and your INSPIRE Shutters will be as good as new.

## 15-20 Working Days Delivery Time

With the advantage of a locally made product, your shutters can be shipped within 15 working days.

## Cleartilt Mechanism

This system allows effortless operation of the louvre's with no possibility of loose and annoying connectors breaking and disabling your new INSPIRE Shutters.

## Water Resistant

Perfectly suited for bathrooms, kitchens or any "wet" areas, INSPIRE will not swell, warp or crack.

## Insulates 3 Times Greater Than Timber

With a great R-Value, this will reduce the heat coming in during summer as well as keep the warmth in over winter.

## Dents Can Be Warmed Out

Minor dents can usually be "warmed out" using applied warmth.

## Reduces Energy Costs

Being a superb insulator, this product will assist reducing your heating and air-conditioning costs.

## Made From Non Toxic, Recycled Materials

No toxins are used in the recycled material used to produce INSPIRE Shutters.

# SHUTTER BASICS

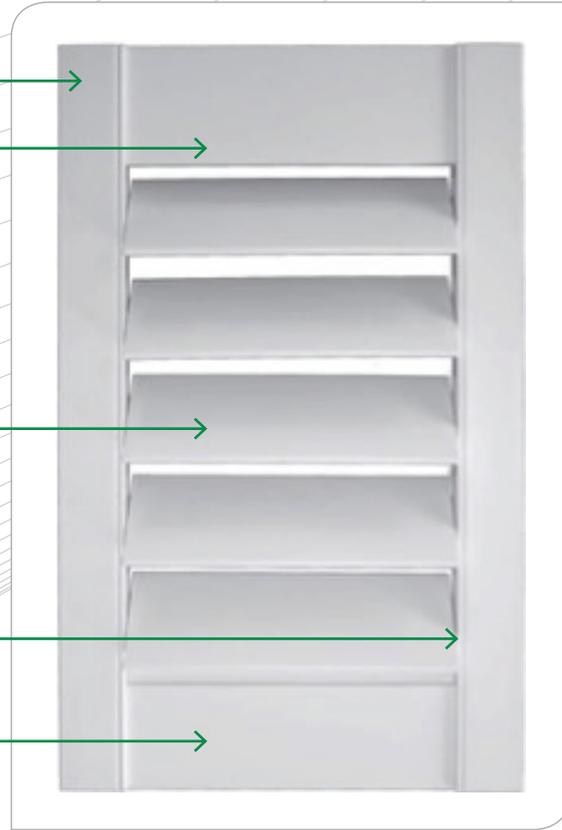
Stile

Top Rail

Louvre/ Blade

Hidden Ultraclear

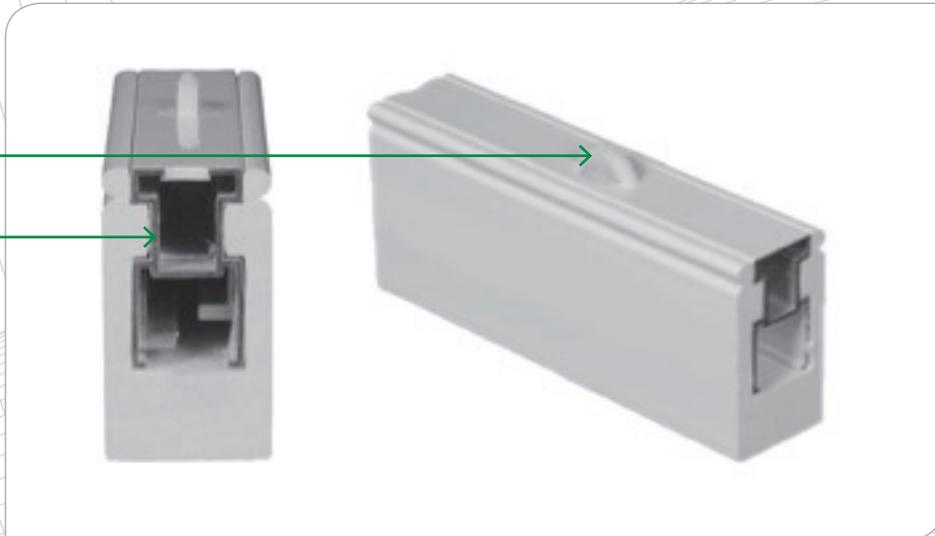
Bottom Rail



# ADDITIONAL COMPONENTS

Louvre Pivot

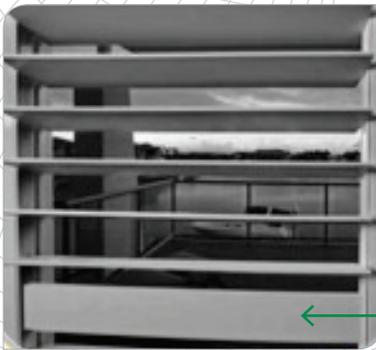
Reinforced Aluminium



# LOUVRE'S & MID RAILS



90mm Louvre Blade



Co-ordinated Mid Rail



Reinforced Aluminium Insert

# ADDITIONAL COMPONENTS



### Stile Insert

The re-enforced aluminium insert is used in all panels to create a stronger engineered structured shutter.

### Louvre Insert

Similarly to the stile insert, the louvre insert is used to strengthen the louvre blade for those larger openings or exterior applications.

### Louvre Pin

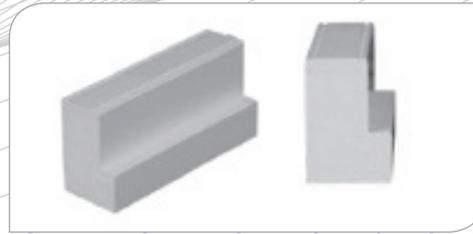
This self lubricating pin is a key component within the Cleartilt System.

# FRAMES & APPLICATIONS

## L- FRAME

The L-Frame can be used as a reveal mounting frame or placed onto a wall or architrave and used as a face mounting frame. For a reveal mount option, there is a very strong likelihood caulking will be required. This is due to the vast majority of windows not being square and deductions are made to fit the frame to the reveal.

*"Face or reveal – all options covered"*

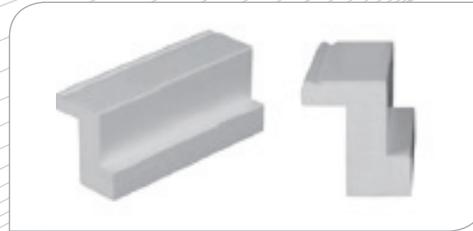


PART NUMBER	COLOUR
70.001.200	O/White
70.005.200	B/White

## Z- FRAME

Perhaps our most popular framing option, this is a reveal only frame. Superb for that slightly out of square window, as the "Z Wings" cover any gaps up to 10mm. Therefore the shutter can be easily installed, your fitter needs no gap filling time and can move straight onto the next window or job.

*"Keeps your fitting cost down"*

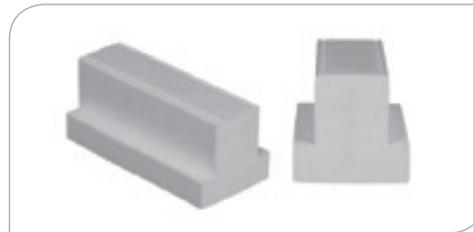


PART NUMBER	COLOUR
70.001.225	O/White
70.005.225	B/White

## T-POST

The T-Post is a frame option used in multiple hinged panel situations. Ideally the T-Post is placed in front of any Window Mullion, providing a clear view through the shutter. The T-Post is screwed directly onto the frame and has the added effect of firming up the frame.

*"Allows a single frame multi panel option"*

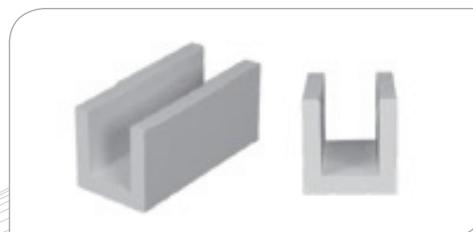


PART NUMBER	COLOUR
70.001.250	O/White
70.005.250	B/White

## U -CHANNEL

The U-Channel is often used in wall cut-outs, between adjoining rooms, or also when an easy removing option is required. This is a simple operation of lifting the shutter into the top U-Channel and then dropping the bottom of the shutter into the bottom U-Channel (just like your normal glass sliding windows). This is also used in situations where hinging is not an option, such as behind a tap in a kitchen.

*"Ease of access option"*

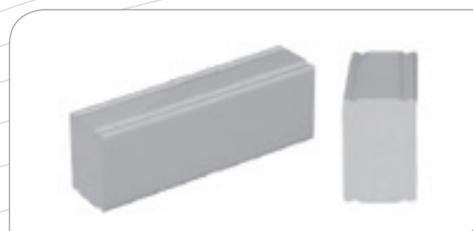


PART NUMBER	COLOUR
70.001.300	O/White
70.005.300	B/White

## MOUNTING FRAME

The mounting strip framing can be used for a number of applications. It is used in conjunction with bent leaf hinges, or as beading to act as a light block with no frame shutters, or even as packing in some instances.

*"Multi purpose framing"*



PART NUMBER	COLOUR
70.001.305	O/White
70.005.305	B/White



## INSTALL TYPES - HINGED

Hinged panels are the most popular form of shutters used. They are primarily used to cover windows, but may be used for doorways depending on the material type and application of each individual opening.

The minimum panel height for hinged panels is **350mm**.

The maximum panel height for hinged panels is **2900mm**.

The minimum panel width for hinged panels is **152mm**.

The maximum panel width varies on the panel height.  
750mm for panels under 1500mm high and 650mm for panels over 1500mm high.

Please adjust your layout if panels are wider than the maximum panel width. Panels that are **>650mm** will be manufactured with a Aluminium Reinforced louvre blade to give added strength to the blade and will avoid any sagging or bowing of the blade.

The panel width should generally be less than the panel height, to reduce the possibility of the panel sagging. (In some situations panels may not be able to be manufactured due to width versus height proportion differences.)

As standard, hinges will be pre-attached to both panels and frames. Where screw slots are provided, screws will only be attached in the screw slots, and the remainder of the screws will be supplied loose for the installer to fit to the lock-off holes.

The quantity of hinges supplied will depend on the height of the shutter panel. The quantities will be as follows:

Panel  $\leq$  1219mm will have **2 hinges**

Panel from 1220mm > 1980mm will have **3 hinges**

Panel from 1981mm > 2438mm will have **4 hinges**

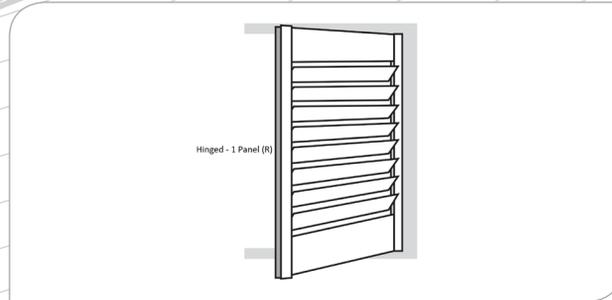
Panel from 2439mm > 2900mm will have **5 hinges**



# INSTALL TYPES - HINGED

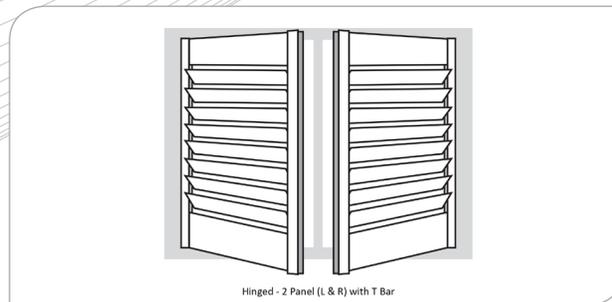
## PANEL 1-R (right)

This is very basic. Panel number = 1 and it is hinged on the right. Obviously if it was hinged on the left, it would be 1-L (left). Using hirline or pivot hinges.



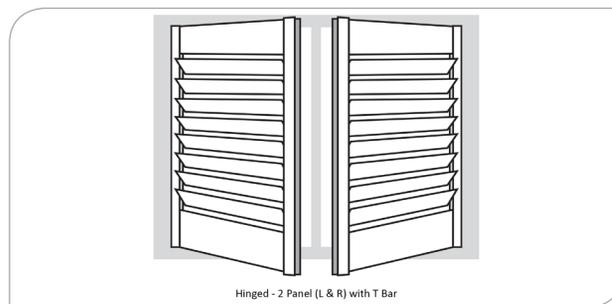
## PANEL 2-L/DR (left & right)

This is following the simplistic nature formula. Panels = 2, (panel 1 is hinged on the left; the second is hinged on the right). The "/" represents no join. The "D" represents an astragal stile on left side of the right panel. Using hirline or pivot hinges.



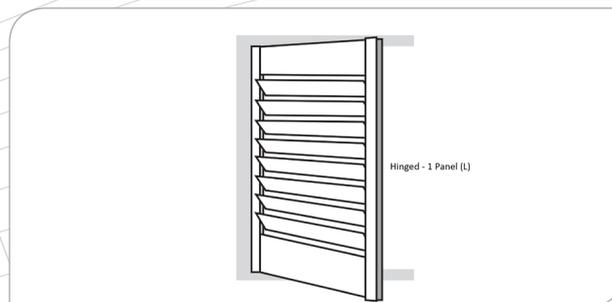
## PANEL 2-LTR (left, T-post, right)

When using a T-Post, the "T" becomes part of the panel configuration. As above, panels = 2, (panel 1 is hinged on the left, then we have a T-Post, then the second is hinged on the right). Using hirline or pivot hinges.



## PANEL 2-LDL (left, left)

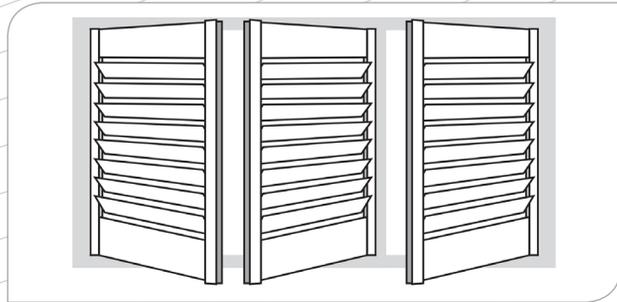
When using pivot hinges, numerous panels can be configured into the frame without the need of T-Post. A "D" strip is attached to eliminate the light gap. Using pivot hinges only.



# INSTALL TYPES - HINGED

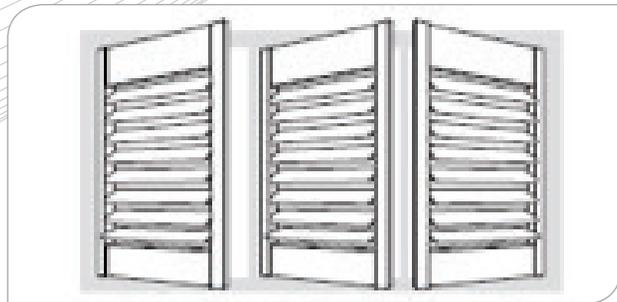
## PANEL 3-LD/RTR (left/right, T-post, right)

To enable a larger panel configuration, use a T-Post to obtain a greater panel size usage. P3L/DRTR or P3LTLDR will achieve a larger result.



## PANEL 3-LTLTR (left, T-post, left, T-post, right)

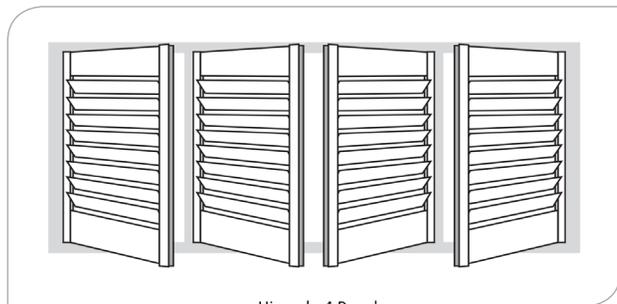
This configuration achieves the maximum window coverage on a 3 panel shutter. Using any configuration, the use of a T-Post allows you to hinge either R (right) or L (left).



## PANEL 4-LTL/DRTR

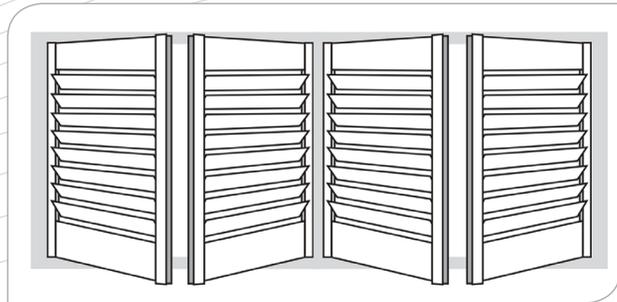
(left, T-post, left/right, T-post, right)

This configuration is the "A" typical window scenario. A fixed panel in the middle, one sliding panel at each end.



## PANEL 4-L/DRTL/DR (left, right, T-post, left, right)

This configuration uses some of the previous layouts. Both Hinged and Bi-fold work effectively to achieve this Shutter Configuration.



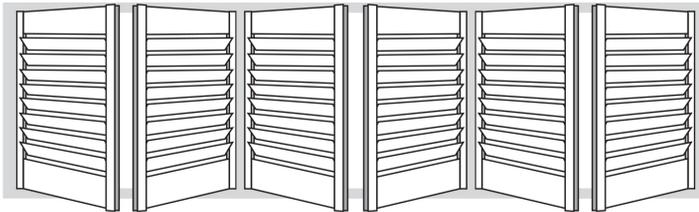
# INSTALL TYPES - HINGED

## PANEL 6-L/DRTL/DRTL/DR

(left/right, T-post, left/ right

T-post, left/ right)

Again utilizing the T-Post allows greater coverage over a window opening.



Hinged - 6 Panel

## PANEL 6-LTL/RTLD/RTR

(left, T-post, left/ right, T-post, left/right, T-post, right)

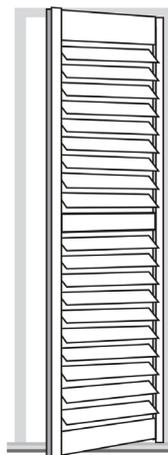
Further utilization of the T-Post allows different configuring of the design in the shutter.



Hinged - 6 Panel

## PANEL 1-Door -R

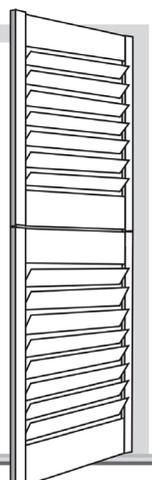
When using a "door" in the configuration, this will mean you require a "door" panel and hence this will be made using sufficient ground clearance. This applies when no frame is required at the bottom.



Hinged - 1 Panel Door (R)

## PANEL 1-Tier/Tier R (right)

This is used for the traditional dual hung shutters. By stating Tier/Tier shows you require a tier. This is charged obviously as a 2 panel project. Hinged on the left, it would be 1-Tier/Tier L (left).

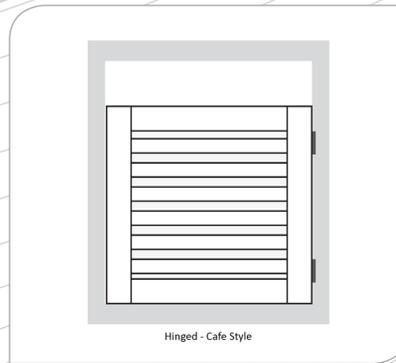


Hinged Panel - 1 Tier (R)

# INSTALL TYPES - HINGED

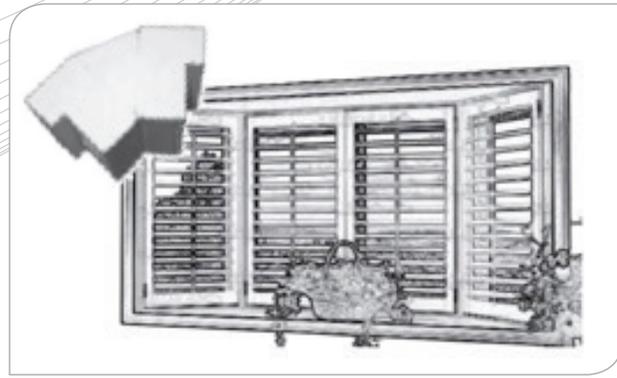
## CAFE STYLE 1-Cafe R (right)

This is occasionally used when a full frame is required, however only a designated size single panel is needed. Hinged on the left, it would be 1-Cafe L (left). (Frame size and panel size required.)



## BAY WINDOWS

Utilizing our custom made bay post, you are able to fully co-ordinate matching windows with the INSPIRE look throughout the home.



# CLEAR TILT MECHANISM

To make it simple to show how the panels are to be configured in an opening, a system is used that allocates a letter to each hinged panel.

**If the hinges are to be placed on the left hand side of the panel it is designated 'L'**

**If the hinges are to be placed on the right hand side of the panel it is designated 'R'**

In addition, it may be necessary to insert a post in the opening to mount a panel onto if there are more than 2 panels in the opening. These posts are also allocated a letter depending on their type, and must be used in the layout 'code'.

**If a T-post is to be placed in the opening it is designated 'T'**

**If a 135° Baypost is placed in the opening it is designated 'B'**

**If a 90° Cornerpost is placed in the opening it is designated 'C'**

A combination of these letters should be used for each individual opening. For example, a pair of panels, one hinged on the left and the other on the right would be designated 'LR'. Two pairs of panels with a T-post in the middle would be designated 'LRTL'. Any combination of these letters can be used, as long as each panel is hinged onto a piece of framing.

## INSTALL TYPES – HINGED

It is also possible to hinge a panel directly onto another panel. This is called **Bi-fold** or Hinged Bi-fold, and carries its own set of specifications.

The recommended panel width for Bi-Fold panels is to be kept to **450mm or less**, to reduce the amount of weight taken by the hinges. Please adjust your layout if panels are wider than the maximum panel width.

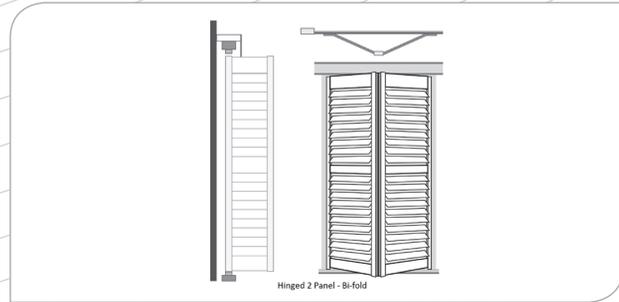
Same measuring and clearance rules apply on a Bi-Folding shutter, assure louvre rotation, and ensure no cyclone bars or window locks will interfere in the operation of your Bi-Folding shutter. Measuring requires the same as for normal hinged panels (i.e. reveal or face fit).

Please be aware that it is usual for Hinged Bi-fold panels to drop slightly when moved outside the frame, and it will probably be necessary to lift the panels back into the frame when closing. This is due to the weight of 2 panels hanging from 1 set of hinges. This is expected and therefore not considered a product fault, and cannot be claimed under warranty. Double Hinged panels must always be ordered with a bottom frame if the opening height is over 1900mm.

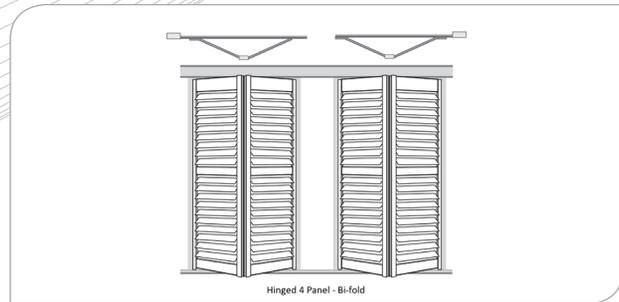


# INSTALL TYPES – HINGED

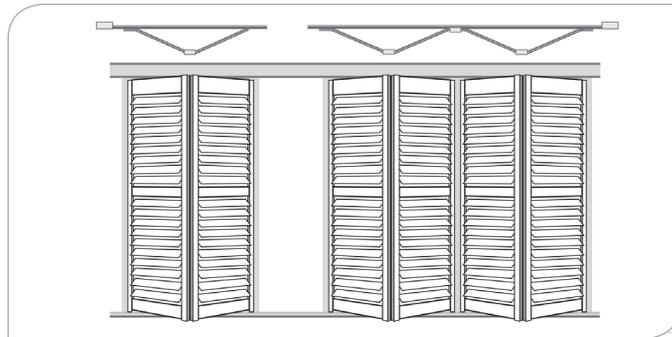
2 PANEL BI-FOLD (Face or Reveal) LL or RR



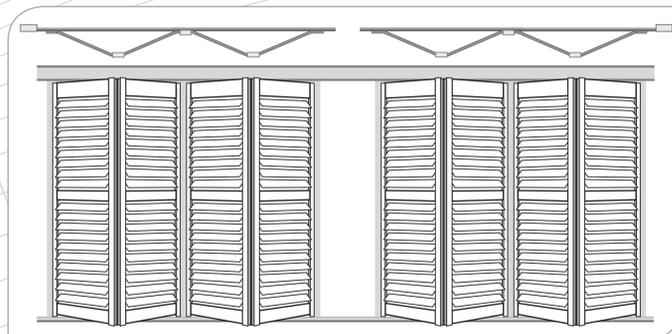
4 PANEL BI-FOLD (Face or Reveal) LL/RR



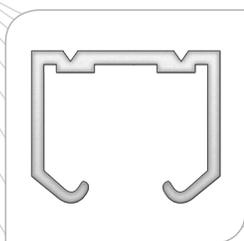
6 PANEL BI-FOLD (Face or Reveal) LL/RRRR



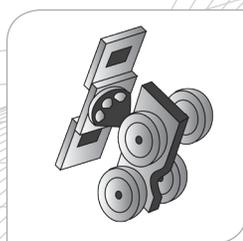
8 PANEL BI-FOLD (Face or Reveal) LLLL/RRRR



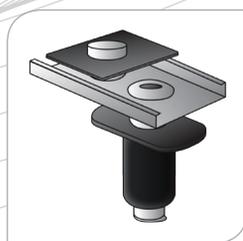
# BI-FOLD COMPONENTS



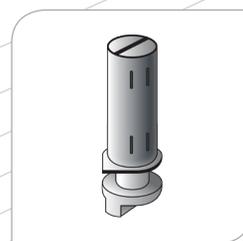
Top Track



Carrier Wheels



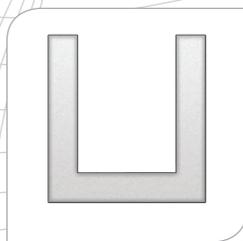
Top Pivot



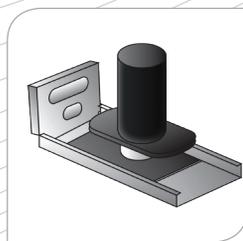
Spring Loaded  
Bottom Guide



Bottom Track



Recessed



Bottom Pivot

# BI-FOLD FASCIA & PELMET

1

## TYPE 1

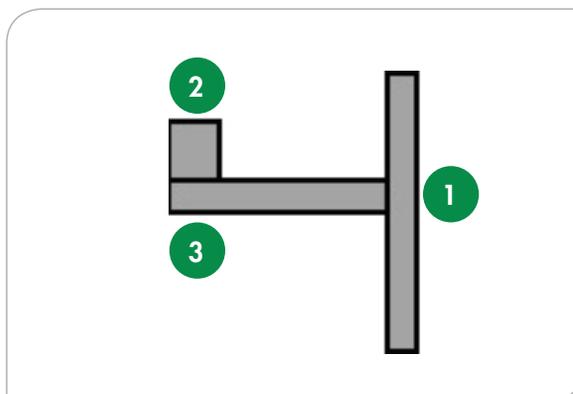
Pelmet for Bi-fold Face Fit. Facia 100mm high x 10mm. A 45mm deduction will be made for the roller.

2

42 x 42 Mounting Block

3

19mm Headboard



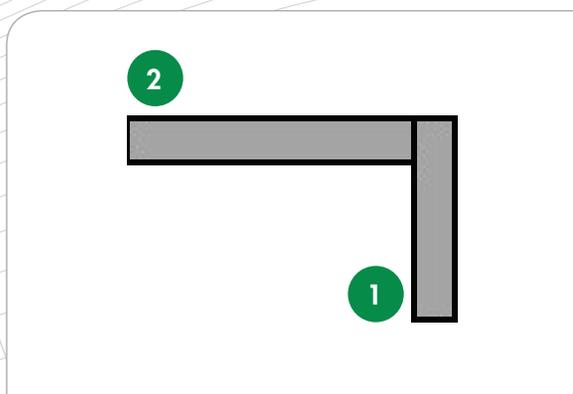
1

## TYPE 2

Pelmet for Bi-fold Reveal Fit. Facia 54mm high x 10mm. A 64mm deduction will be made for the roller and headboard.

2

19mm Headboard



OZ13.1

## INSTALL TYPES - SLIDING

Sliding panels are generally used to cover a doorway. Their main attraction is their ease of use, and less intrusion into the room when operated than 90° bi-fold shutters. It is very rare that there is enough room inside a window opening to accommodate 2 or more sets of tracks, and therefore sliding panels are not generally applied to a window opening.

Overlapped panels slide in behind one another, similar to a sliding door. There may be both types of panel interaction in a multiple sliding panel configuration. When opened, there will always be at least half the doorway covered by panels, which should be taken into account by the customer if they are looking for an unobstructed view when the doors are open. If this is required the 90° or 180° Double Hinged options are possibly better choices.

INSPIRE Shutters can be ordered to pass in the open position. All the information required is to establish the "Headboard".

INSPIRE Shutters unlike most companies offer you the "choice" of a floor guide or floor tracking.

Same measuring and clearance rules apply on a sliding shutter assure louvre rotation and ensure no cyclone bars or window locks will interfere in the operation of your sliding shutter. Measuring requires the same as for normal hinged panels (i.e. reveal or face fit). Recommended panel width 800mm or less for sliding panels. Panels that are over 650mm will be manufactured with a Aluminium Reinforced louvre blade to give added strength to the blade and will avoid any sagging or bowing of the blade.

There are two options available to operate sliding shutter panels:

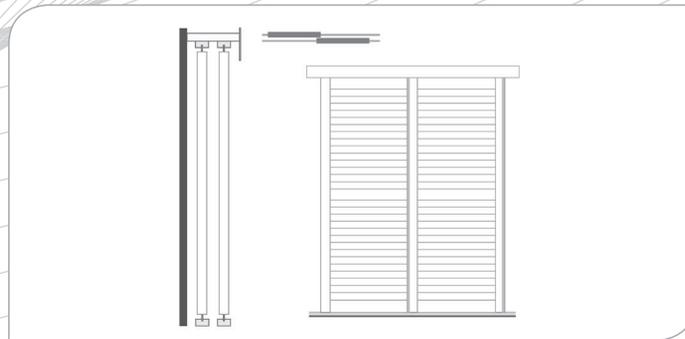
Sliding with the louvres in the open position – The panels may pass each other regardless of whether the louvres are open or closed. When both sets of louvres are open you are able to view through both sets of louvres. However, with this option the tracks must be placed further apart. This means that the panels may intrude further into the room, and more indirect light will come into the room.

Sliding with the louvres in the closed position - An option is provided for sliding with the louvres closed, to reduce the amount of light entering the room. The panels will be closer and may not intrude as far into the room, but the louvres of the panel must be closed when it passes the adjacent panel, so no view is possible. This issue should be discussed in detail with the customer.



# INSTALL TYPES - SLIDING

**2 PANEL SLIDER –  
(Face or Reveal Double) B/F (Back/Front)**



**3 PANEL SLIDER –  
(Face or Reveal, Double or Triple)  
2 Track System BFB or FBF  
(Back/Front/Back or Front/Back/Front)**

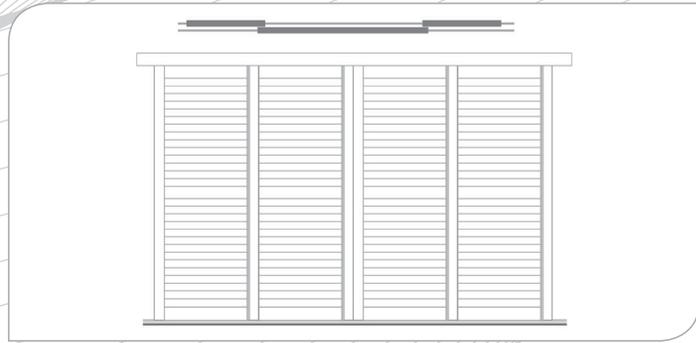


**3 PANEL SLIDER –  
(Face or Reveal, Double or Triple)  
3 Track System BMF (Back/Mid/Front)**

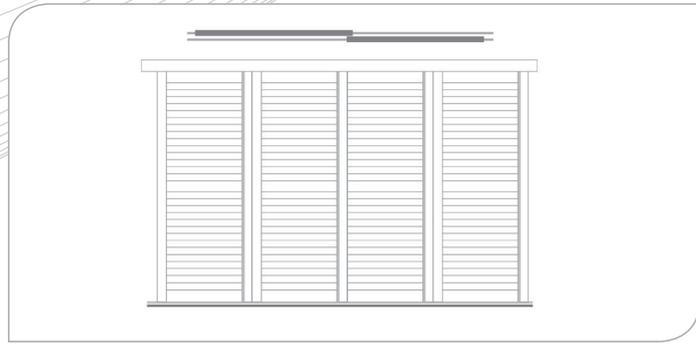


# INSTALL TYPES - SLIDING

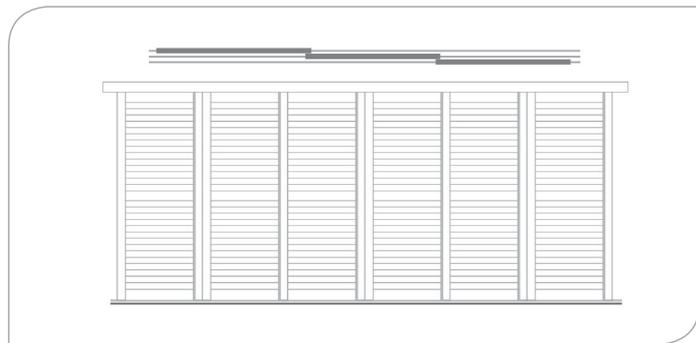
**4 PANEL SLIDER –  
(Face or Reveal Double) BFFB  
(Back/Front/Front/Back) Option 1**



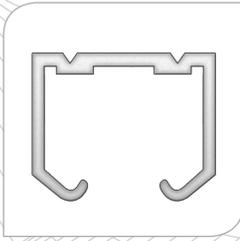
**4 PANEL SLIDER –  
(Face or Reveal Double)  
BBFF (Back/Back/Front/Front) Option 2**



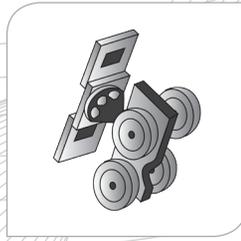
**PANEL 6 PANEL SLIDER 3 TRACK  
Remove and replace with:  
BBMMFF (Back/Back/Mid/Mid/Front/Front)**



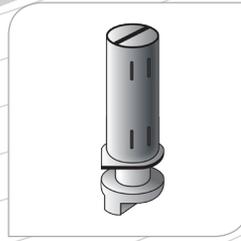
# SLIDING COMPONENTS



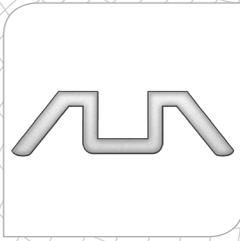
Top Track



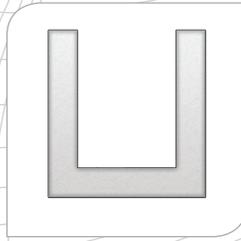
Carrier Wheels



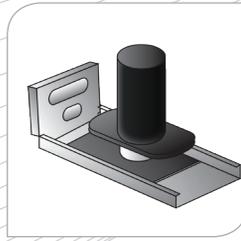
Spring Loaded Bottom Guide



Bottom Track



Recessed



Bottom Pivot

# SLIDING FASCIA & PELMET

1

**TYPE 1**

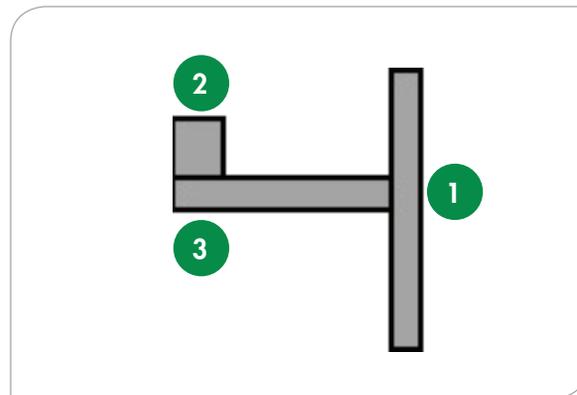
Pelmet for Slider Face Fit  
140mm x 10mm

2

42 x 42 Mounting Block

3

19mm Headboard



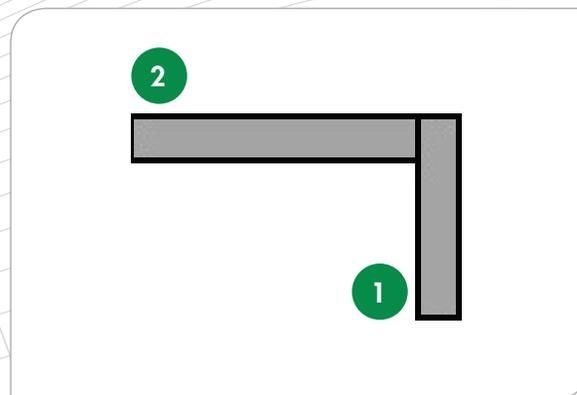
1

**TYPE 2**

Pelmet for Slider Reveal Fit  
Facia Height 100mm x 10mm.  
Optional dual face is available on request.

2

19mm Headboard



OZ13.1

## INSTALL TYPES – FIXED

Fixed panels are not completely fixed, they are actually semi-fixed. These are generally used as a window covering for windows which do not open (glass only with no track) or used as a divider for privacy when no Hinged, Bi-Fold or Sliding is required.

Fixed Panels are for **Reveal** mounting only. Panels are placed inside a **U-Channel** frame as opposed to the traditional L-Frame or Z-Frame. The U-Channel's are mounted to the top & the bottom of the window opening allowing for the shutters to be placed within the opening as a semi-fixed shutter with no hinge, bi-fold or slide. Hinges may be used to join panels together only. Shutters can easily be removed for ease of window cleaning when required.

Fixed panel installs are common in spots where opening panels are obstructed, such as behind a sink in a kitchen.

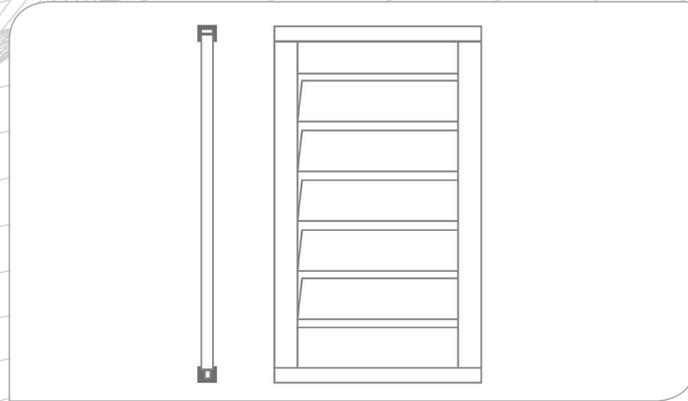
Fixed panels have a maximum height of 2900mm and a maximum width of 900mm.

Please note that a D or Astrical Style will not work in this application. For multiple panel openings flat stile is used.



# INSTALL TYPES – FIXED

1 PANEL FIXED – (RevealOnly)



# THE RIGHT SHUTTER



## What you need to look for?

Before you even commence to show product, or start to measure you need to follow these simple steps.

### Options:

- What does your customer expect the shutters to achieve?
- Explain what colours are available to show your customers?
- Discuss what louvre blade they would like?
- What frame best suits the environment/situation?
- Explain where divider rails will be positioned.
- Reveal or face mount?
- "Frame the window"

### Obstructions:

- Look for window crank handles.
- Is there a protruding cyclone bar?
- Swinging radius of the shutter panel
- Is the architrave protruding onto the clearance?
- Will the window lock interfere with the louvre rotation?

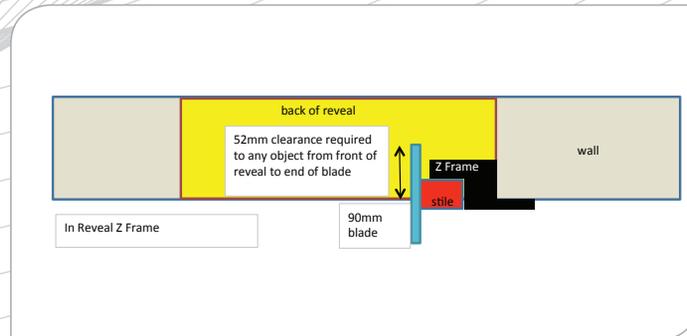
### Depth Clearance:

- Ensure your customers louvre selection will clear all obstacles.
- Use your framing and shutter panel to ensure this.

# CLEARANCES

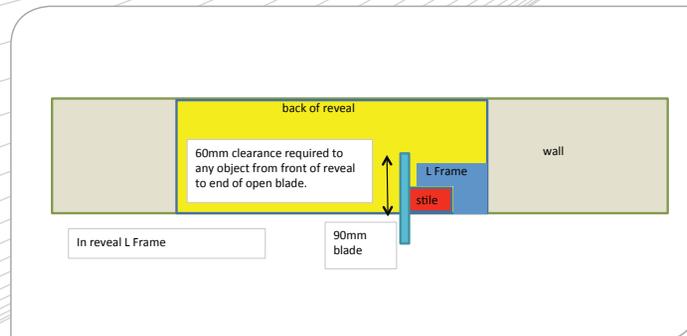
Depth Clearance required on a 90mm blade for L-Frame Face Fit is

**10mm**



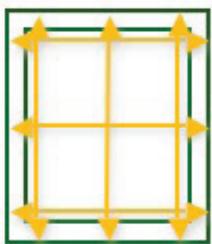
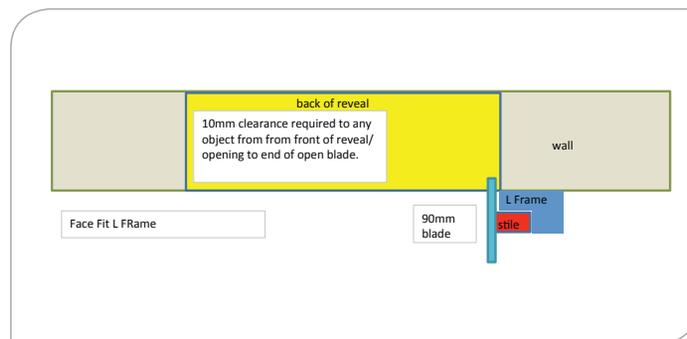
Depth Clearance required on a 90mm blade for L-Frame Face Fit is

**60mm**



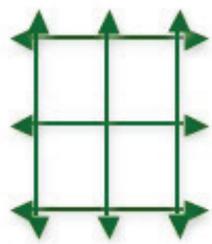
Depth Clearance required on a 90mm blade for Z-Frame Reveal Fit is

**60mm**



## Face Fix – Measuring

1. Ensure the chosen Frame Design and Louvre rotation will work.
2. Measure to either the outside of the Architrave or to where you intend to end the Framing.
3. Measure 3 Horizontal measurements, top, middle and bottom, (write down the largest measurement).
4. Repeat and do the Vertical Measurements, left, middle and right, (again write down the larger of the measurements).
5. Check the squareness visually.



## Reveal Fix – Measuring

1. Ensure the chosen Frame Design and Louvre rotation will work.
2. Measure to the inside of the Architrave or Square set of the window.
3. Measure 3 Horizontal measurements, top, middle and bottom, (write down the tightest measurement).
4. Repeat and do the Vertical Measurements, left, middle and right, (again write down the tightest of the measurements).
5. Check the squareness visually.