



HALLIS HUDSON  
*Signature*  
COLLECTION

SHUTTERS  
TRAINING GUIDE

# SHUTTERS

## TRAINING GUIDE

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# Why Choose Made to Measure Shutters

## MADE TO MEASURE

Your Signature Shutters will be custom made in the UK to your exact specifications. They are designed to give an elegant appearance with the ultra-strong polysilk vinyl creating a sturdy and long-lasting window dressing that will not chip, crack or peel.

## ELEGANT ENDURANCE

The durability of Signature Shutters makes them ideal for today's busy lifestyles. They will never require painting or staining as the colour is embedded into the shutter itself. Everyday scratches and dents do not affect the finish or colour and minor scratches can simply be sanded out. Individual louvres can even be replaced - just snap out the old louvre and clip in a new one.

## REMARKABLE STRENGTH

The operating system uses unique Louvrelink connectors that are hard wearing and allow the louvres to close together in both directions giving you enhanced privacy. Using Louvrelink connectors means we don't need to use staples.

## WATER-RESISTANT

Signature Shutters resist the damaging effects of moisture due to their polysilk vinyl, making them the perfect choice for wet or humid environments such as kitchens and bathrooms.

## ADD PERSONAL STYLE

You can enhance all interiors by choosing from a wide variety of decorative frames for inside and outside mounts.

## BESPOKE DESIGN

Choose from either 63mm, 76mm or 89mm louvre sizes in Dove White or Polar White allowing you to create the perfect look. The upper and lower rail sections are available in two sizes, 50mm or 100mm, giving you the opportunity to further stylise your shutter.

## ENERGY SAVING & NOISE CANCELLING

Signature Shutters help reduce outside noise and keep heating and air conditioning costs down with their excellent insulating properties due to the robust cell structure of the frames and louvres.

## NATURAL LIGHT EXPOSURE WITHOUT LOSING PRIVACY

The unique 'Duplex' feature on the tilt bar allows ultimate control of the balance between light and privacy for your room. Duplex allows the top louvres to remain open allowing in light whilst the bottom louvres remain closed for privacy.

## VISUALLY IMMACULATE

The spring loaded, self-levelling feature ensures that the panels remain level whilst closed.

## FLAME RETARDANT

All our Signature Shutters are flame retardant to UK standards, so they are ideal for use in both commercial or domestic environments.

## EASY TO CLEAN

Your shutters are easy to clean with soap and lukewarm water. Regular cleaning enhances the surface finish of the polysilk vinyl.

## ENVIROMENTALLY FRIENDLY

Signature Shutters are environmentally friendly. They meet all regulations relating to emission of organic compounds and are 100% recyclable which means no waste management issues.

## CHILD SAFE

Signature Shutters contain no cords which could be harmful to a child.

## QUICK TURNAROUND

Your shutters will be made to measure in the UK to an exceptionally high standard, alongside one of the fastest and most consistent lead times in the industry.

## SATISFACTION GUARANTEED

Our Signature Shutters and Perfect Fit Shutter Lite come with a 10 year warranty\*.



# Features of Signature Made to Measure Shutters

## SHUTTER ASSEMBLY

The basic shutter assembly is a shutter panel hinged to a frame. The panel consists of louvres which pivot open and closed, with stiles on the sides and rails on the top and bottom. Panels over 2200mm in height require at least one divider rail.



## PANEL COMPONENTS

Concealed stile caps serve the same function on the top and bottom of the stiles and provide a more finished look to the panels. The Astragal is a flange to block the light gap where two shutter panels meet. It is not needed in single panel assemblies.

## Louvres

Vented louvres are available in three sizes 63mm, 76mm and 89mm and come in two colours Dove White or Polar White.



Vented Louvre

## LOUVRELINK SYSTEM

The shutter louvres are opened and closed using a tilt bar linked to the louvres with our unique Louvrelink system.

The tilt bar can be ordered on the front hinge side or rear hinge side of the panel.

## DIVIDER RAILS

With a divider rail in place, the separate sections of the panel operate independently of each other. A divider rail is required for all single panels greater than 2200mm in height.

## SPRING CATCH

The Spring Catch system comes as standard and is also adjustable using a small flat head screwdriver.



A groove sits within the frames to accept the Spring Catch.

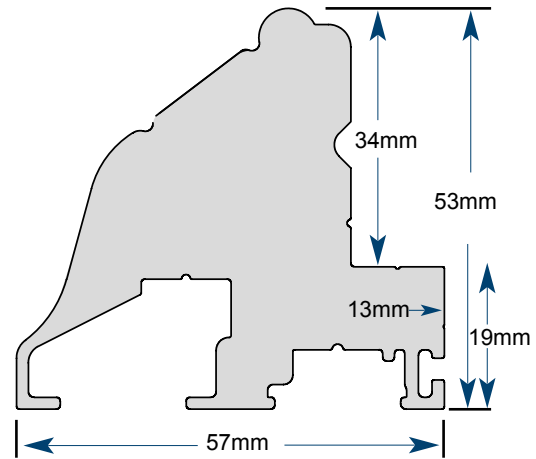
## T-POST

The T-Post is a versatile structural component inserted vertically into shutter frames to separate shutter sections and allow for placement of more panels within the same opening. T-Posts give added strength to wider openings. Panels can be hinged to T-Posts similarly as to how they are hinged to the frame. The T-Posts enable the consumer to custom design their own openings.

## TRANSOM BEAM

A transom beam can be added for extra support where a Tier on Tier application is required. The Transom beam can only be used with the Magnetic Catch.

## Frame Options

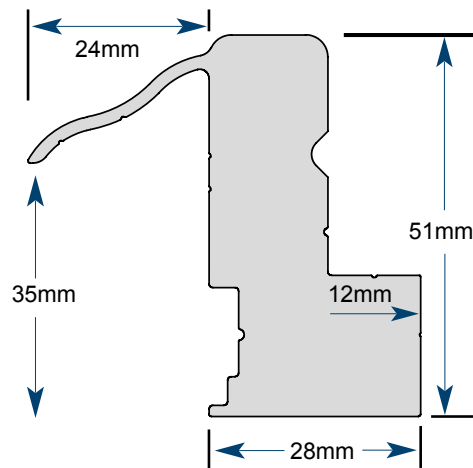


### CLASSIC FRAME

- Mounting Type: Outside mount only.
- Overall Depth: 53mm.
- Overall Width: 57mm.

### Features

An outside mount frame designed to be installed directly onto the wall surrounding the window or on top of existing trim surrounding the window. Can be used with buildout 12.7mm.



### CONTEMPO MAXI Z FRAME

- Mounting Type: Inside mount only.
- Overall Depth: 51mm.
- Overall Width: 52mm.

### Features

An inside mount frame to be installed directly into the window opening. The face of the frame acts as a decorative cover that hides out-of-square areas. Sill plate option available.

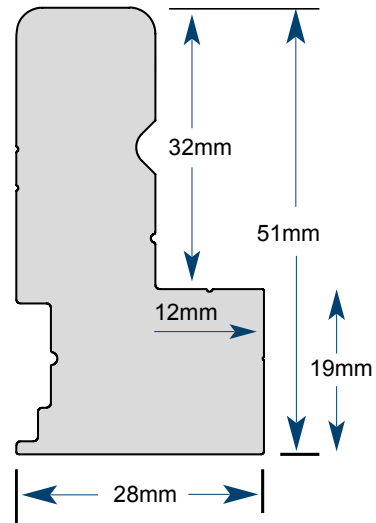


## Frame Options continued



### MODA L FRAME

- Mounting Type: Inside mount only.
- Overall Depth: 51mm.
- Overall Width: 28mm.



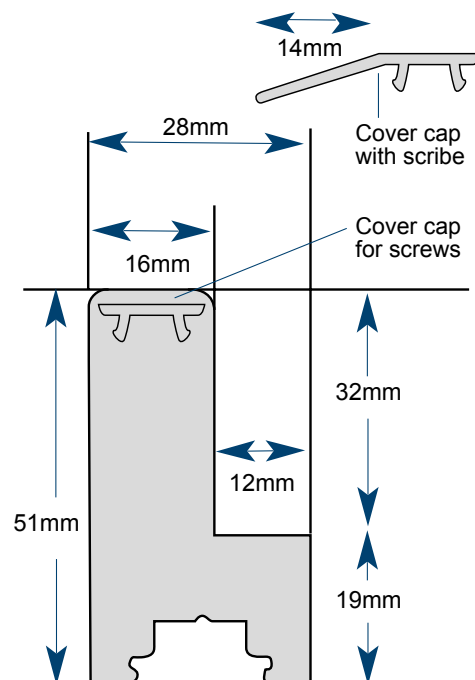
### Features

An inside mount frame to be installed directly into the window opening.



### MODA MULTI L FRAME

- Mounting Type: Inside or Outside mount.
- Overall Depth: 51mm.
- Overall Width: 28mm.



### Features

Can be used with buildout 12.7mm and flexible cover cap with scribe. Best option for Bay Windows.

# Signature Made to Measure Shutter Panel Opening Options

## FULL HEIGHT

WITH 50mm RAIL



With the full height option, the panel covers the full window with no divider rail.

100mm RAIL  
WITH DIVIDER RAIL



Adding a divider rail means you can independently control the louvre direction on both the top and bottom sections.

DUPLEX



Duplex sections the shutter into groups of louvres. The groups can move independently, allowing additional control over different levels of light and privacy.

CONCEALED TILT BAR



Concealing the tilt bar enhances the shutter's clean lines for the ultimate in sophistication. You can control the shutters by simply turning the louvres.

## TIER ON TIER

WITH TRANSOM



WITHOUT TRANSOM



Tier on Tier shutters consist of two separate panels that move independently. An ideal solution to easily access upper windows whilst maintaining privacy in the lower section. Tier on Tier max width: 1600mm (max two panel wide).

## CAFÉ STYLE

THREE SIDED FRAME



Café style shutters are panels that cover a section of the window allowing in additional light while retaining some privacy.

FOUR SIDED FRAME



A four sided frame is required for Café style shutters when used in bay windows.

**PLEASE NOTE:** - The shutter and frame will not create a total blackout unit. Please be aware that on bi-fold or multi-fold configurations, panels can drop when opened and will require lifting when closing. - All shutters require a 4 sided frame - except Café style.



Online [Halliswebshop.com](https://www.halliswebshop.com)



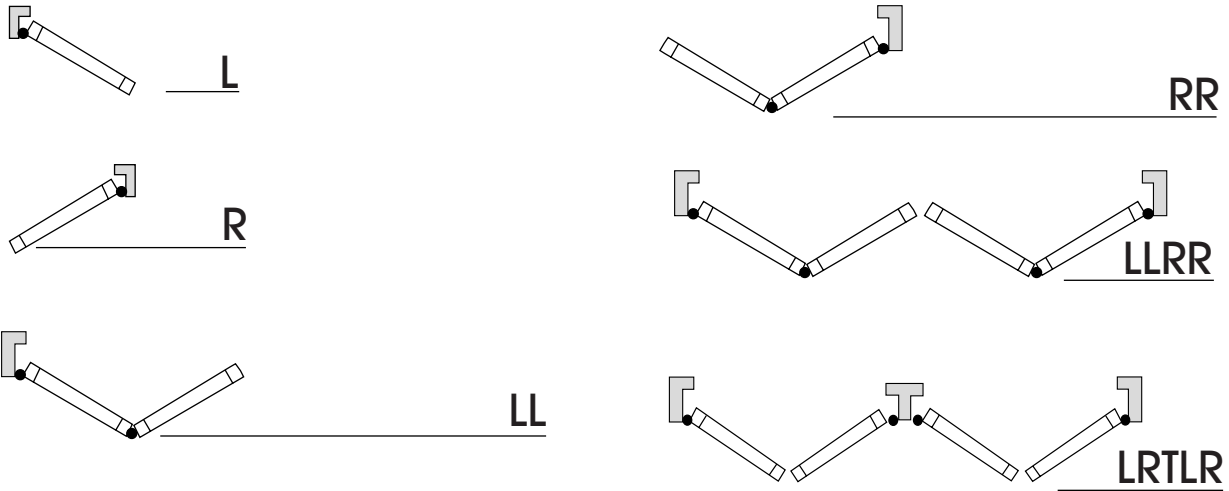
Email [sales@hallishudson.com](mailto:sales@hallishudson.com)



Phone **01772 202202**

# Signature Made to Measure Shutter Panel Options (Including T-Posts)

## Example Configuration



## Panel Configuration

- L = Left Hinge
- R = Right Hinge
- LL = Left Bi-fold
- RR = Right Bi-fold
- LLRR = 4 Panel Bi-fold
- LRTL = Panel T-post

Print the letters of the Bi-Fold panel configuration.

## T-POST

T = T-Post is placed to provide equally divided openings for uneven placement, always start from the left, indicate distance in mm from left side of shutter to centre of each T-Post (show on diagram).

Louvre Sizes	Width				Height			
	All	Single hung	Bi-fold	Multi-fold	50mm Rails		100mm Rails	
	Min	Max	Max (per panel)	Max (per panel)	Min	Max	Min	Max
63mm	15cm	80cm	80cm	70cm	31.3cm	300cm*	36.3cm	300cm*
76mm	15cm	90cm	80cm	70cm	35.2cm	300cm*	36.3cm	300cm*
89mm	15cm	90cm	80cm	70cm	39.1cm	300cm*	44.1cm	300cm*

\* At least one divider rail is required for shutter panels with a height of over 220cm



# Signature Shutters



Account Number

Date

Account Name

Your order reference

Delivery Address

(If left blank, we will assume that delivery is to your **standard** delivery address)

Any additional information

Signature Shutters	Shutter 1	Shutter 2	Shutter 3	Shutter 4	Shutter 5
Colour					
Louvre size					
Panel quantity					
Panel configuration					
Astragal side (if applicable)					
Overall width					
Overall drop					
Shutter style					
Mount type (Inside/outside straight/bay)					
LH frame*					
Bottom frame*					
RH frame*					
Top frame*					
Scribe/filler panel(s)					
Are corner accessories needed? (if applicable)					
Rear cover strip (if applicable)					
Top & bottom rail size					
Tilt bar specification					
Bottom to tilt bar split 1 (if applicable)					
Bottom to tilt bar split 2 (if applicable)					
Divider rail position 1 (if applicable)					
Divider rail position 2 (if applicable)					
Tier on Tier split position (if applicable)					
Catch type					

\* Frame questions include the option to request build out and/or sill plate. **In order to conform to child safety legislation:** please see the Child Safety section in the price guide. If you require any assistance with filling in this form, please contact our sales office either by email; [sales@hallshudson.com](mailto:sales@hallshudson.com) or phone; 01 772 202 202

## Signature Made to Measure Shutter Order Form Reference

### 1. TILT BAR

- Front Hinge Side
- Back Hinge Side

### 2. NUMBER OF SHUTTERS

### 3. COLOURS

- Dove
- Polar

### 4. NUMBER OF PANELS

- 1 Panel, 2 Panels, 3 Panels etc...

### 5. LOUVRE SIZE

- 63mm
- 76mm
- 89mm

### 6. FRAME STYLES

- OUTSIDE MOUNT FRAMES
- Classic Frame
- INSIDE MOUNT FRAMES
- Moda L Frame
- Contempo Maxi Z Frame
- INSIDE OR OUTSIDE
- MOUNT FRAMES
- Moda Multi L Frame

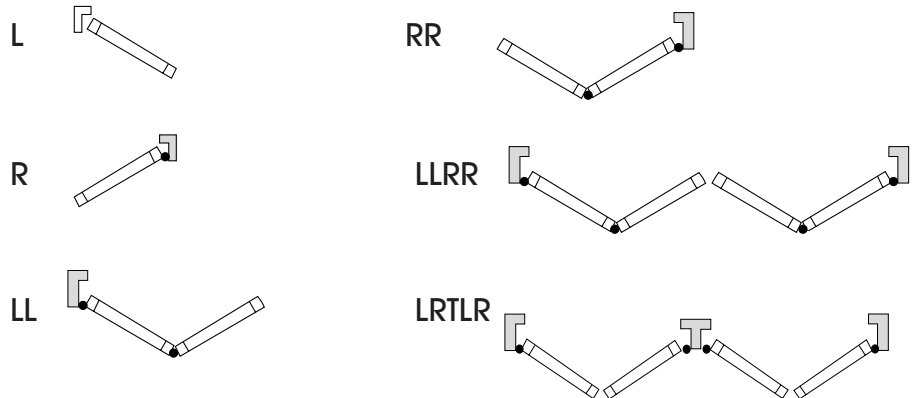
### 7. FRAME APPLICATIONS

- 3 Sided, no top
- 4 Sided (standard)
- 4SIL = 4 Sided with sillmount (no flange)

### 8. PANEL CONFIGURATION

- L = Left Hinge
- R = Right Hinge
- LL = Left Bi-Fold
- RR = Right Bi-Fold
- LLRR = 4 Panel Bi-Fold
- LRTLRL = Panel T-Post

Print the letters of the Bi-Fold panel configuration. Other panel configurations available on request.



### 9. T-POST

T-Post is placed to provide equally divided openings.

For uneven placement, always start on the left and

indicate distance in millimetres from the left side of The shutter to the centre of each T-Post.

### 10. TRANSOM BEAM

Transom is placed to provide equally divided openings to the top and bottom as standard. If there are any variations, measure from bottom of frame to the centre of transoms. If no Transom measure from the bottom for split height.

### 11. DIVIDER RAIL IN PANEL

First divider rail (required over 2200mm in panel height). The standard is the divider rail in the centre of the panel. For custom divider rail measure from bottom of frame to centre divider rail.

### 12. DUPLEX TILT BAR LOCATION

1st split enter distance from the bottom of the frame to split. 2nd split enter distance from the bottom of the frame to split.

### 13. RAIL SIZE

- 50mm
- 100mm

PLEASE NOTE: That these can not be mixed.

### 14. ASTRAGAL

- Right panel over left
- Left panel over right

PLEASE NOTE: Standard Astragal configuration is right panel over left.

### 15. BUILDOUT

- 12.7mm (Maximum 50.8mm)

### 16. CLOSING SYSTEM

Spring catch will be supplied as the standard.. Magnets are a no charge option.

### 17. SPECIAL INSTRUCTIONS

- Eg: If 90o or 135o posts are required.
- Flexistrip or Flexiscribe etc.

PLEASE NOTE: Manufacturing tolerances are +/- 1mm.

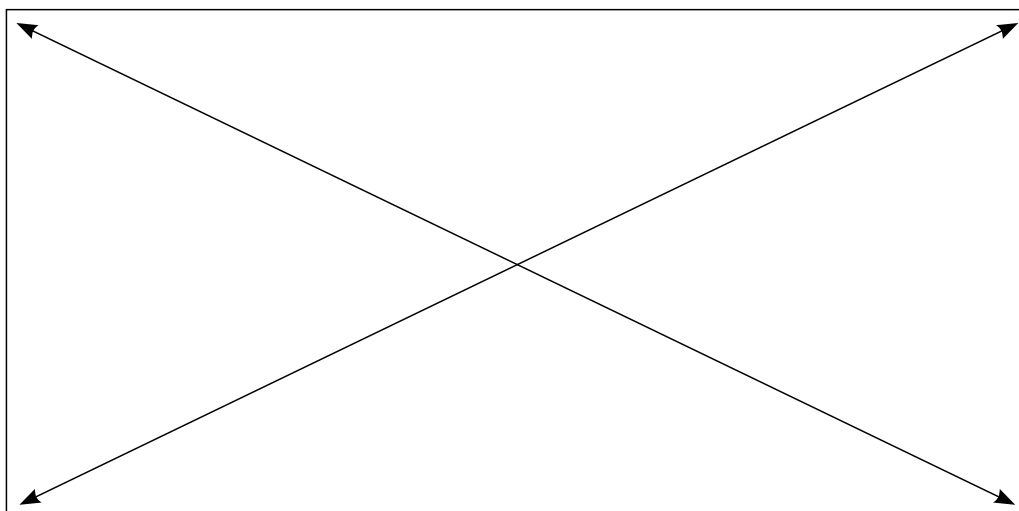
# How to Measure

## MEASURING TOOLS

Measuring stick/tape measure, spirit level, masking tape and pencil. Shutter Samples: panels, frames, hinges etc, shutter folder, bay window templates.

## MEASURING OF SQUARE WINDOWS (Inside and outside)

Measuring of rectangular windows. Inside recess for "L" Frames. To check if the window is square, measure diagonally across the window from corner to corner in both directions. If these sizes differ by more than 10mm the use of a "Z" frame or outside mount would be recommended. See Fig 1.

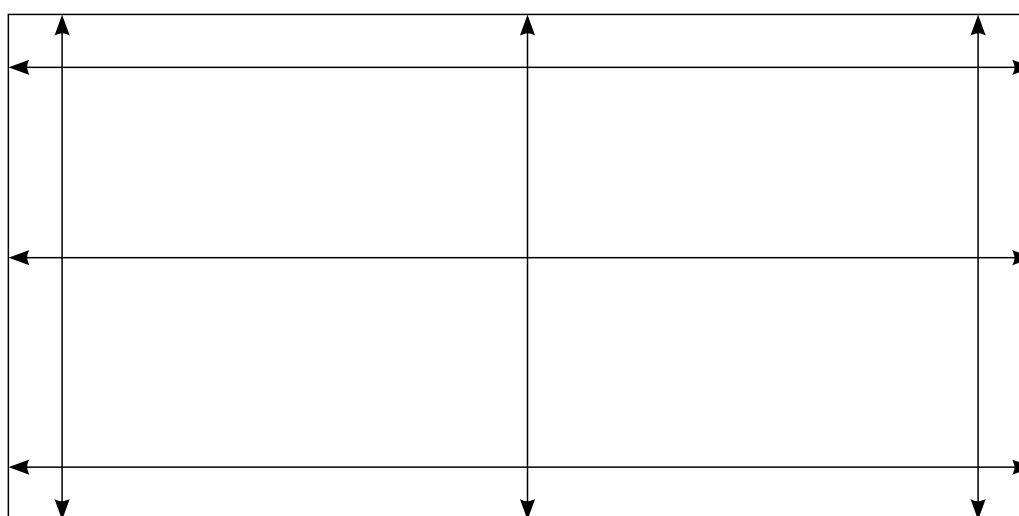


**Fig 1.**

If the window is suitable for an inside mount, check for any obstructions, e.g. window handles or vents, if these exist check the depth of the recess can fit the shutter without catching the obstructions whilst still being inside the recess.

Measure the width inside the recess at 3 points top middle and bottom.

Measure this height of the recess at 3 points left, centre and right. See Fig 2.



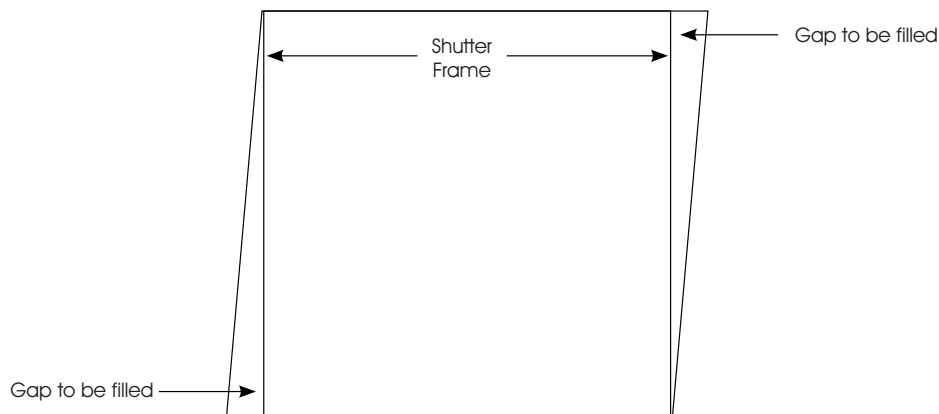
**Fig 2.**

Take the smallest size for width and height and deduct 3-10mm for clearance and manufacturing tolerances.

These sizes will be the finished size of the shutter frames. If the window is not square more may have to be deducted to allow the frame to be fitted square to the window and any gaps would require covering or filled with caulk. See Fig 3.



## How to Measure continued



**Fig 3.**

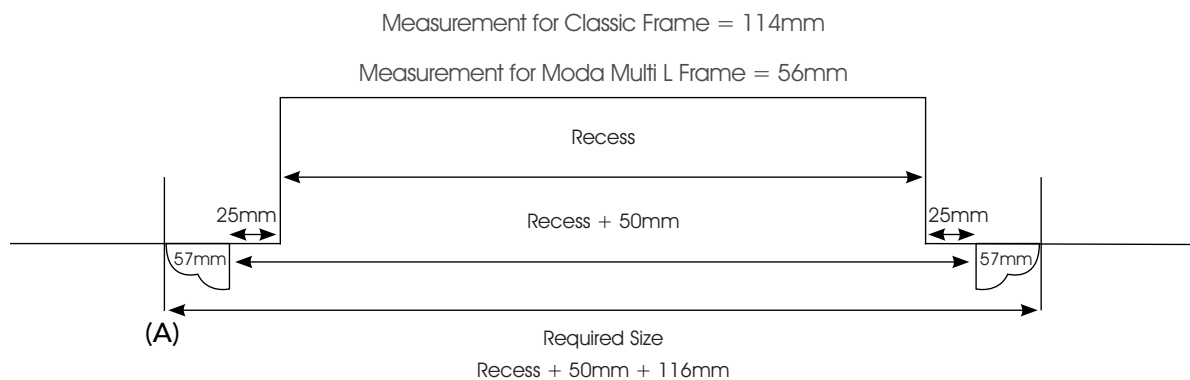
### MEASURING FOR MODA/CONTEMPO FRAMES

For Moda/Contempo frames, measure inside recess at the front of the recess or where the frame will be fitted. This is done in the same manner as for inside recess fitting. Choose this frame to best cover any gaps if the window is not square.

For divider rail or transom measure from the window sill to the centre of the divider rail or the T-Post position.

### MEASURING FOR OUTSIDE RECESS FIT – (Classic Frame or Moda Multi L Frame)

Measure the width in 3 places, top, middle and bottom. Use the largest size and add on 25mm to each side to ensure a good substrate to fix to, add the width of the outer frames ensuring that the louvres do not hit any obstruction, if they do a buildout will be required at 12.7mm. See Fig 4.



**Fig 4.**

For a 4 sided Classic and Moda Multi L Frame measure the width and drop in 3 places, left, centre, right, top, middle and bottom. Use the largest size and add 25mm to the top, bottom, left and right. The width of the frame being used e.g. Recess 1000 + 25 + 25 + 114 = 1164 drop.

For T-Post measure from the outside edge of where the frame would be fitted (A) to the centre of the T-post position.

For a divider rail if using a 3 sided frame, measure the width as previously described. Measure the drop in 3 places left, centre and right, use the largest measurement and add 25mm for the top only and the frame width at the top only. E.g. 1000 + 25 + 57 = 1082 drop. For a divider rail measure from the window sill to the centre of divider rail.

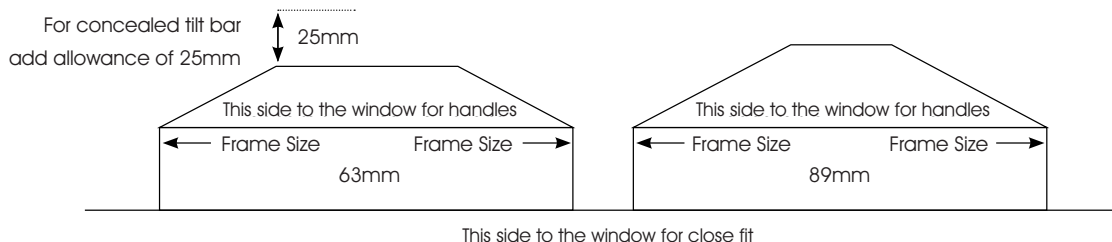
Please note: Maximum recommended sizes

Shutters outside of maximum recommended sizes cannot be guaranteed. It is also recommended that all shutters have a bottom to the frame - we cannot guarantee the doors will not drop if unsupported by a bottom frame.

## How to Measure continued

### MEASURING FOR 135° BAY WINDOWS (The best frame choice is Moda Multi)

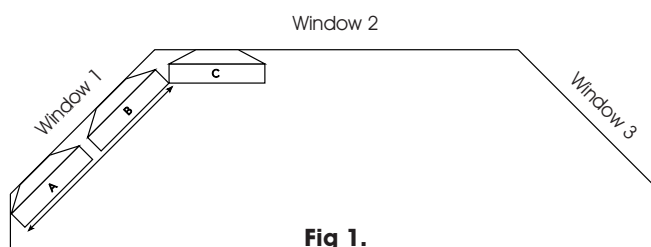
There are two sets of templates one for 63mm and one for 89mm. These templates can be used for either fitting close to the window or allowing a 40mm projection for window handles.



**PLEASE NOTE:** - 2mm off each shutter width when using Flexi bay cover strip for Moda Multi.

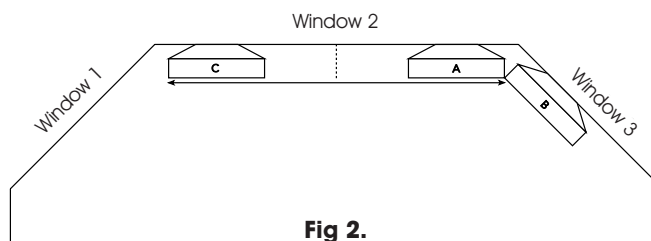
Choose the correct size templates for the slot. Use a spirit level to make sure the walls run level. If not mark a level point on the window sill. Place the templates on the window sill working from left to right See Fig 1.

Measure from the outside edge of the template "A" to the outside of the template "B". This is the frame size for window No. 1.



Leaving templates "C" in position move templates "A" & "B" to the opposite end of window 2. See Fig 2.

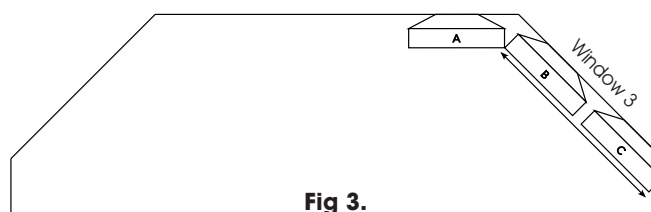
Measure from the outside edge template "C" to the outside edge template "A". This is the frame width for Window 2. If a T-Post is required measure from the outside edge of the Template "C" to the centre of the "T" post position.



Leaving template "A" & "B" in position move the template "C" to the opposite side of window 3. See Fig 3.

Measure from the outside edge of the template "B" to the outside edge of Template "C".

This is the shutter frame size for window 3.



### MEASURING CURVED BAY WINDOWS

For measuring a curved bay window follow the same process as for the 135° Bay and continue moving the templates from window to window.

### MEASURING THE HEIGHT

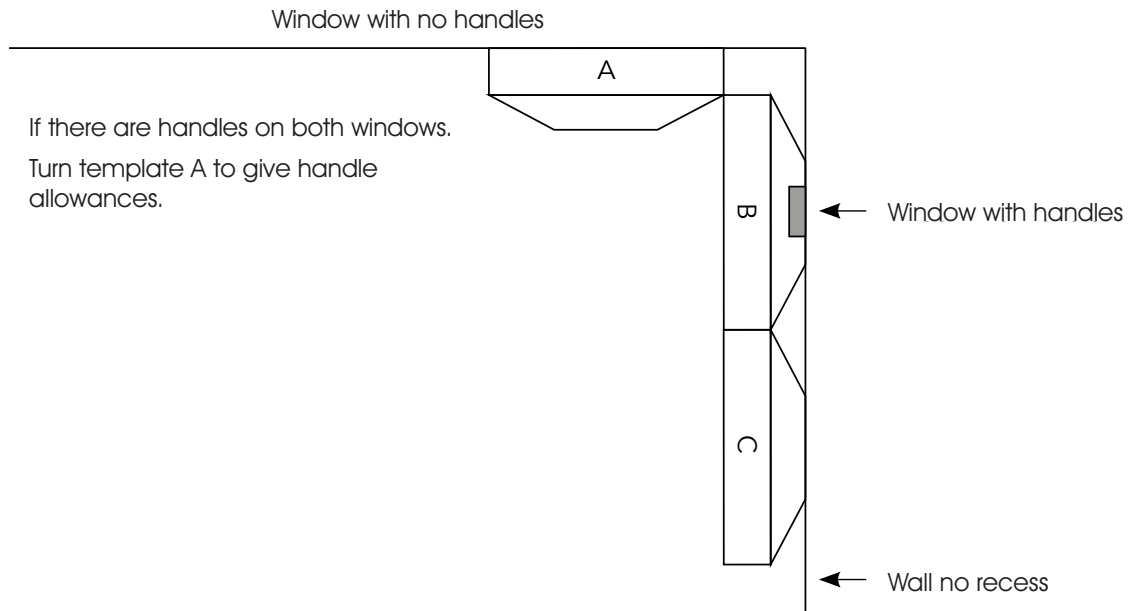
Measure the height of the window at each side, each corner and the centre, take the smallest size and deduct at least 3mm. This will be the height of all 3 shutters and any gaps above or below the frame would require filling with caulk or a scribe strip.



## BOX BAY WINDOWS

Box Bay Windows are measured in a similar way to angled bay windows using the same templates meeting at 90° in each corner. If the sides have window handles and an allowance is required buildouts would be required for the outer edge of each side shutter to cover any gapping. See Fig 1.

**PLEASE NOTE:** Manufacturing tolerances are +/- 1mm.



## COMMON OBSTRUCTIONS

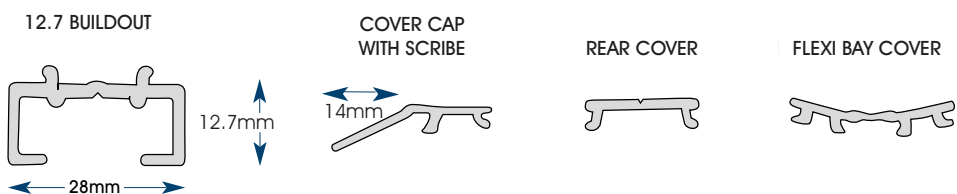
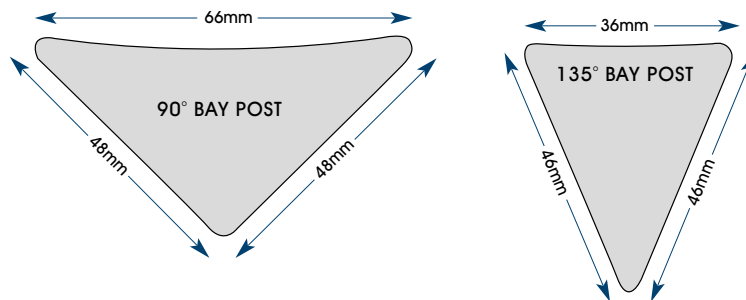
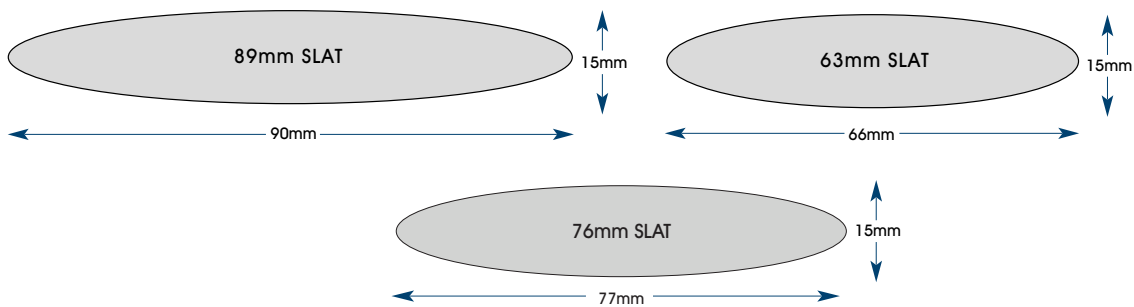
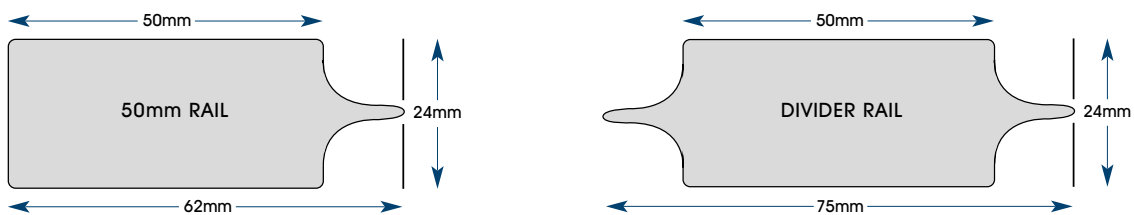
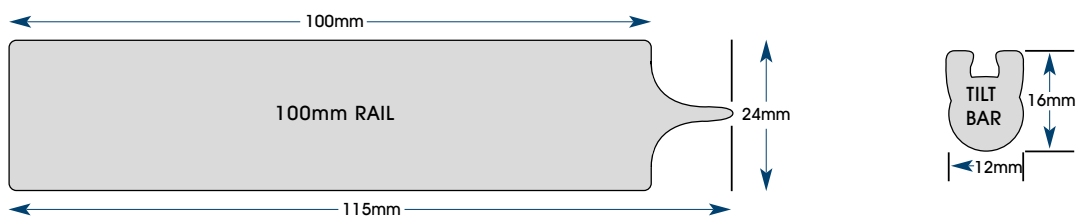
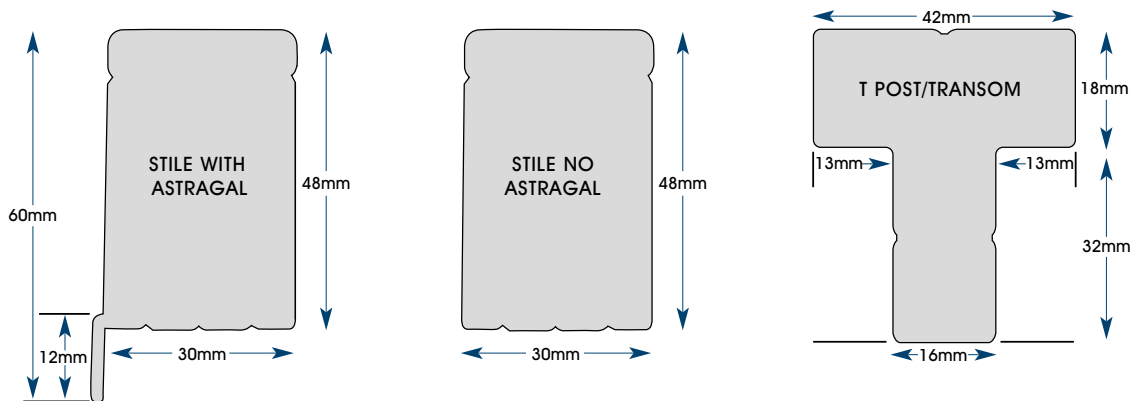
### Window Handles

If window handle protrudes from the window frame measure the distance from the window frame to the front of the handle.

### Dado / Picture Rails / Skirting Boards

It is preferable to remove obstruction and have shutter the full size. If this is not possible measure between the obstructions and deduct 2mm for shutter width. Any gaps would have to be filled with caulk or filler strip.

# Component Dimensions





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