



## Measuring Guide



SANTA FE  
SHUTTERS

# Contents

Section	Page
Important Information	3
Ordering Information	4
Measuring for Hinged Panels	5
Measuring for Tier on Tier/ Café Style	9
Measuring for Bay Windows	10
Measuring for Corner Windows	12
Measuring for Bi-Fold Panels	15
Measuring for Bi-Pass Panels	17
Measuring French Door Cutouts	20
Measuring Shaped Windows	25

# Measuring Guide

## Important Information

Before measuring for any Santa Fe Shutter please note:

Inspect openings for any obstructions such as window furniture, inward opening doors or existing architrave etc.

Shutter style, frame choice and blade size all have implications on how the shutter is installed.

Choosing inside mount or outside mount will have a different aesthetic impact and will usually come down to customer preference; however certain scenarios will dictate one or the other options is not suitable.

### Santa Fe Design service

To avail of this service please provide all relevant measurements and the Santa Fe Sales team will use our comprehensive design package to show the best configuration of shutters for the designated opening. Santa Fe Shutters would recommend this service as we can produce scaled drawings based on the information provided which they can then present to your customer and have them agree to before ordering. This will eliminate any potential issues later.

***Santa Fe Shutters recommend that an experienced Shutter Fitter/ Carpenter confirm measurement prior to placing order.***

# Information required when ordering

Information required when placing your order:

<b>Location</b>	to identify the opening i.e. Kitchen. If room has multiple openings please clearly identify each one by numbering each.
<b>Width</b>	Measurements in mm
<b>Height</b>	Measurements in mm
<b>In/Outside or MS</b>	Inside recess mount will have 3mm deduction per side of frame Outside mount is frame to frame (no deductions) MS is made to size. Customer has already made de-
<b>Blade Size</b>	47mm/63mm/89mm/114mm
<b>Material</b>	Vermont or Madison.
<b>Colour</b>	Customer Preference
<b>Mid Rail Height or TOT break (if applicable)</b>	Measurements in mm
<b>Hinge Colour</b>	Customer Preference
<b>Frame Choice</b>	and where frame is required i.e... Left, right, top, bottom.
<b>Tilt Rod Type</b>	Standard, Off Set or Hidden

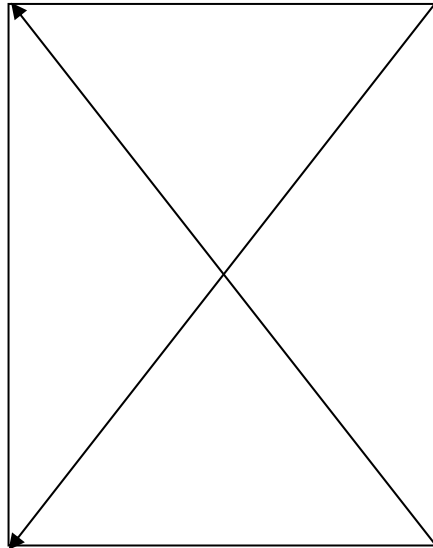
## IMPORTANT!!

Accurate measurements are essential. Shutters are custom made to your specification; errors in measuring will not be the responsibility of Santa Fe Shutters.

# Measuring for Hinged Panels

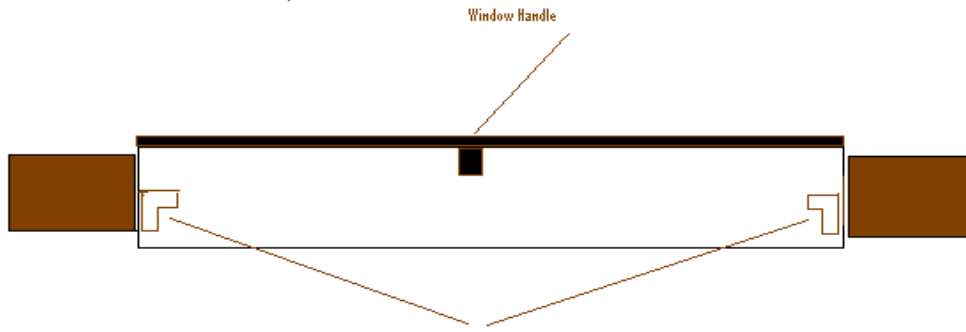
## *Squareness of the window*

Always check the squareness of the opening by measuring diagonals. If there is more than 10mm difference we recommend an outside mount.

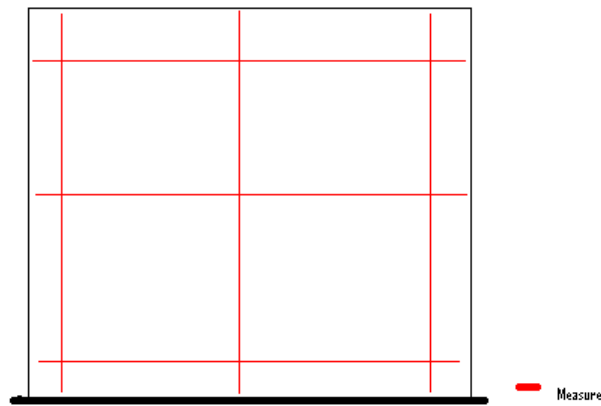


Measure diagonals

# Inside Mount Measuring



Inside mount showing L-frame position, ensuring that window furniture does not interfere with the action of the shutters.



Check depth of reveal clearance

Minimum clearance for blade size are as follows:

47mm—11.1mm

63mm—19.05mm

89mm—31.7mm

114mm—44.5mm

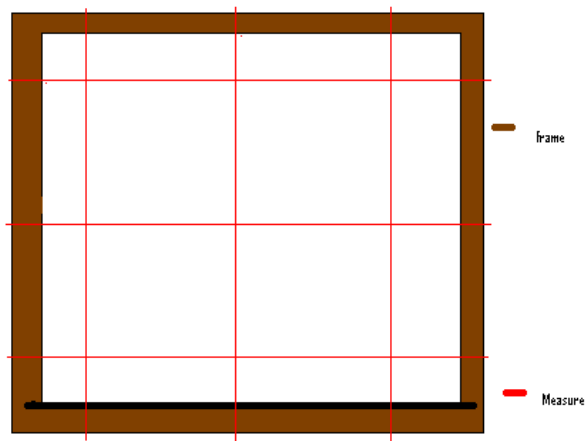
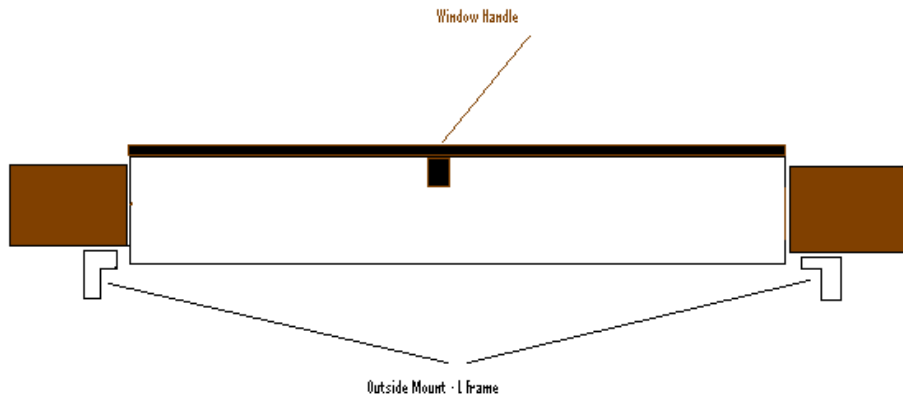
A standard frame is 49.8mm deep; 47mm & 63mm blades do not protrude out the back of the frame. 89mm a clearance of 15mm and 114mm a clearance of 28mm must be given to allow no interference in blade operation. (Build out frames are available if required)

## Suitable Frames

L-frame, z-frame and hangstrip/lightblock are all suitable for inside mounting.



# Outside Mount Measuring



**Width Measurements:** Top, middle and bottom measurement to **outside** of frame

**Height Measurements:** Top, middle and bottom measurement to **outside** of frame

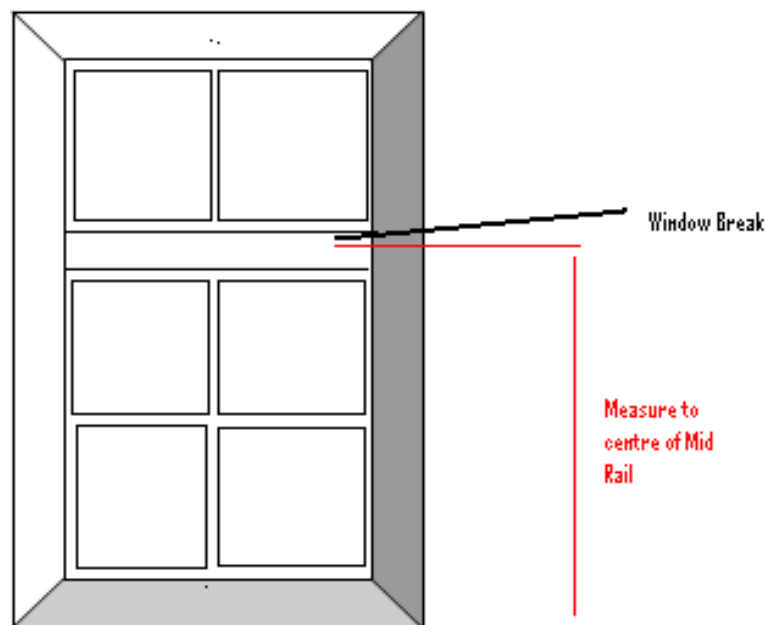
If architrave is fitted decide where the frame will be placed on measure to outside of frame.

**Always use largest measurement.**

# Divider Rails

Divider rails are added automatically on shutter panels over 1800mm. This will be placed in the optimum position; usually half way.

Placing a divider rail to meet a break in the window, measure from the bottom of the opening to the centre of the intended divider rail height. Mark this measurement in appropriate column on order form.





# Measuring for Tier on Tier/ Café Style

## Tier on Tier

Measure as full height shutter panels.

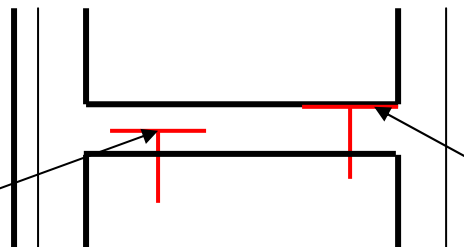
Measure up from the bottom to where you would like the split in tiers.

If using a horizontal T post the measurement is to the middle of where the T post is required.



## Café Style

Measure to the top of the sash rail, or where you want the shutter to end. (see illustration below)



Measure to the centre of the dividing window rail for Tier

Measure to the top of the

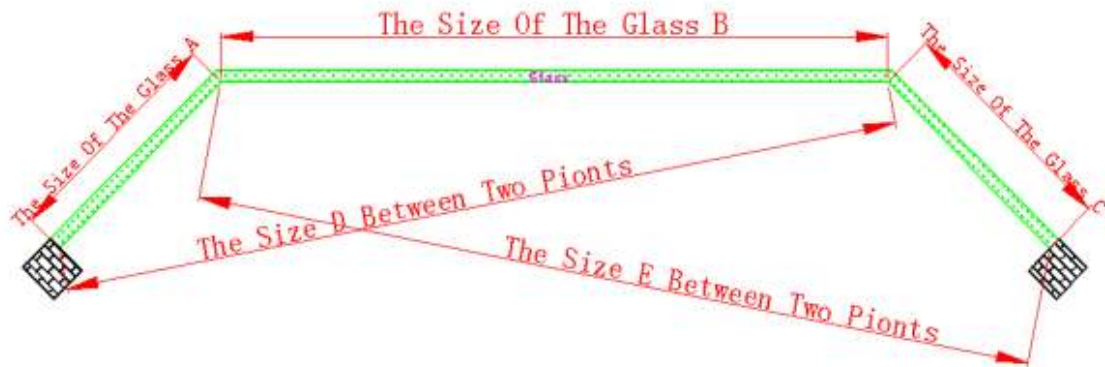


# Measuring for Bay Windows

## Measuring Bay Windows

When measuring bay windows please state the appropriate reference number in comments section of the order form. This will allow us to identify the measurement method used.

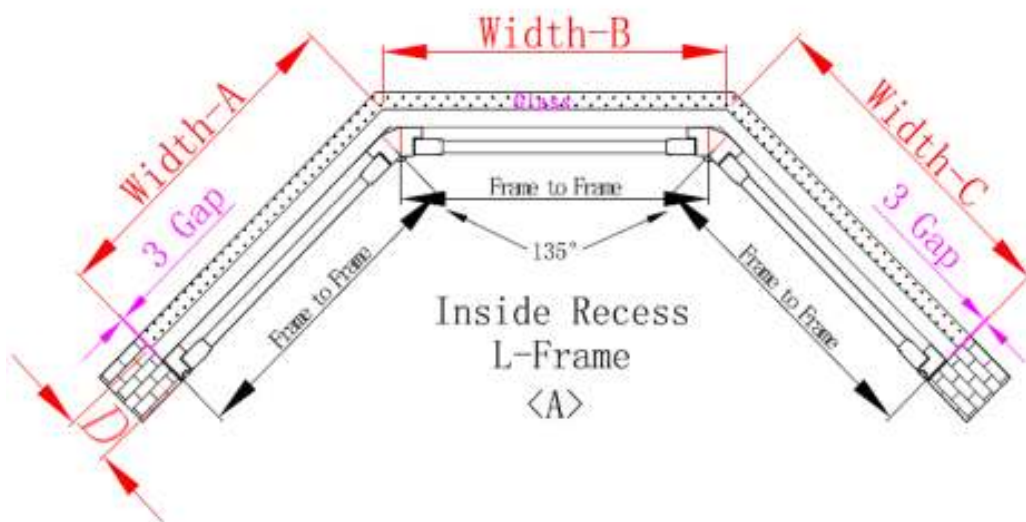
### 1. Bay Window—For not 135° baypost



Option <A>: A=\_\_\_\_\_ B=\_\_\_\_\_ C=\_\_\_\_\_ D=\_\_\_\_\_ E=\_\_\_\_\_

### 2. Bay Window—For 135° baypost

A) L Frame Inside Mount



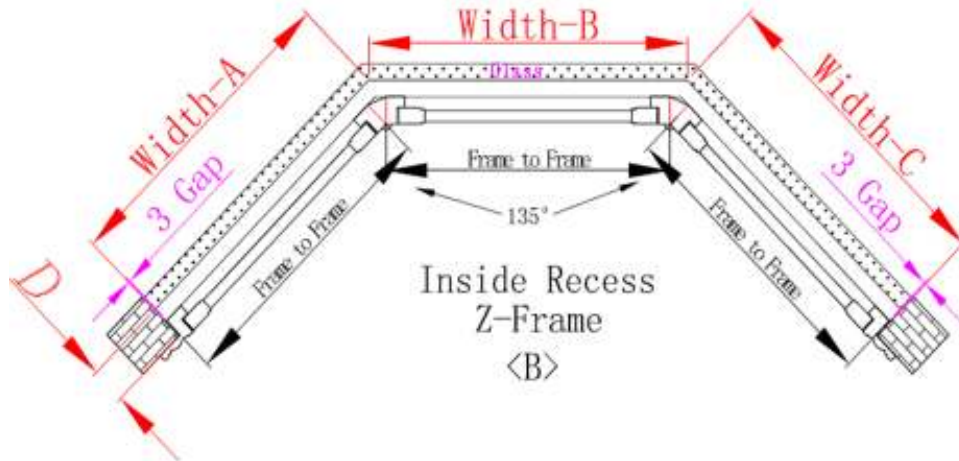
Option <A>: A=\_\_\_\_\_ B=\_\_\_\_\_ C=\_\_\_\_\_ D=\_\_\_\_\_

Note: "D" is the distance from face of glass to the top the frame.

# Measuring for Bay Windows

## 3. Bay Window—For 135° baypost

Z Frame Inside Mount

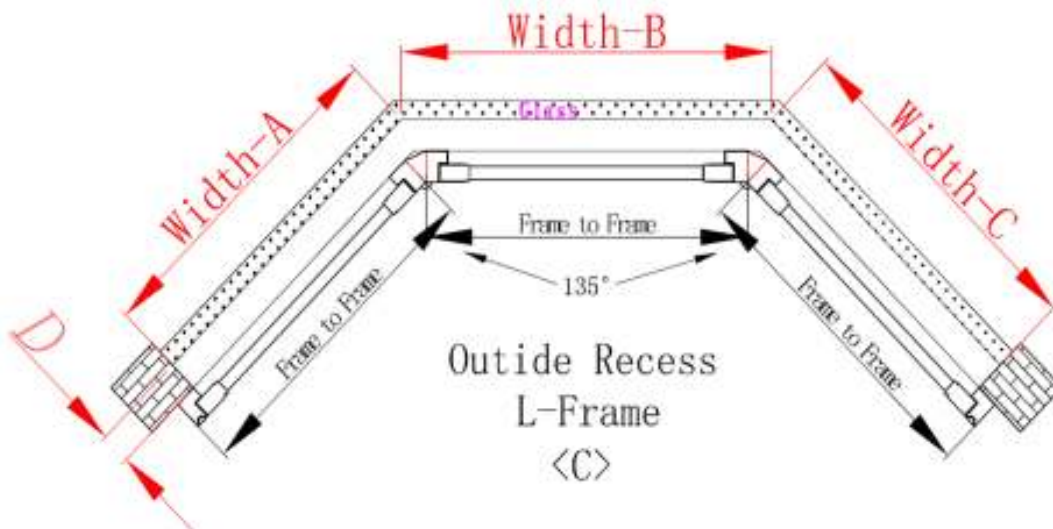


Option <B>: A=\_\_\_\_\_ B=\_\_\_\_\_ C=\_\_\_\_\_ D=\_\_\_\_\_

Note: "D" is the distance from face of glass to face of wall.

## 4. Bay Window—For 135° baypost

L Frame Outside Mount



Option <C>: A=\_\_\_\_\_ B=\_\_\_\_\_ C=\_\_\_\_\_ D=\_\_\_\_\_

Note: "D" is the distance from face of glass to face of wall.

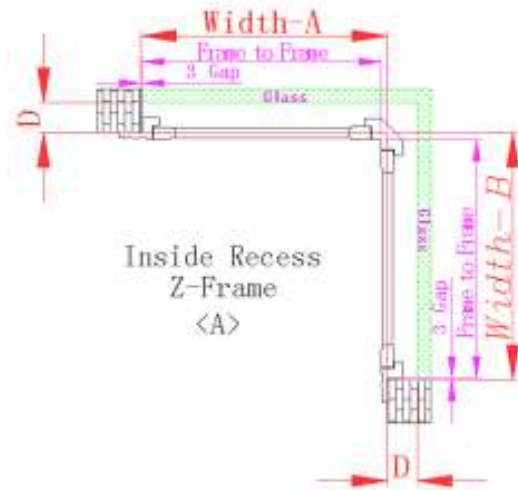
# Measuring for Corner Windows

## Measuring Corner Windows

When measuring corner windows please state the appropriate reference number in comments section of the order form. This will allow us to identify the measurement method used.

### 1. Corner Post Measurement—No pillar in the corner

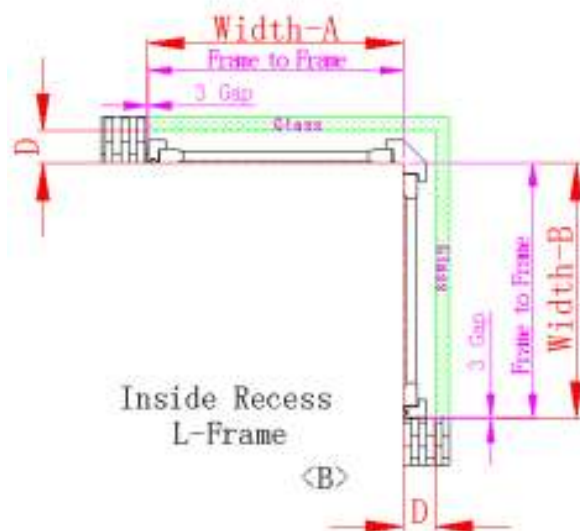
Z Frame Inside Mount



Option <A>: A=\_\_\_\_\_ B=\_\_\_\_\_

### 2. Corner Post Measurement—No pillar in the corner

L Frame Inside Mount

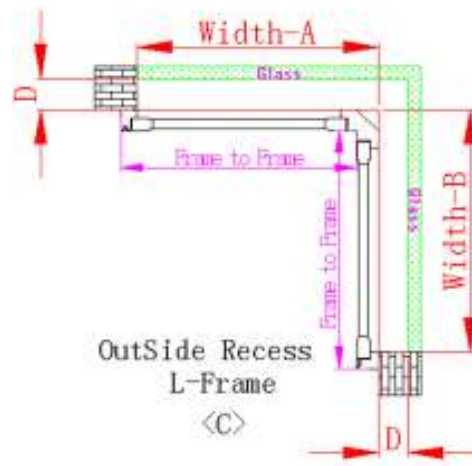


Option <B>: A=\_\_\_\_\_ B=\_\_\_\_\_

# Measuring for Corner Windows

## 3. Corner Post Measurement—No pillar in the corner

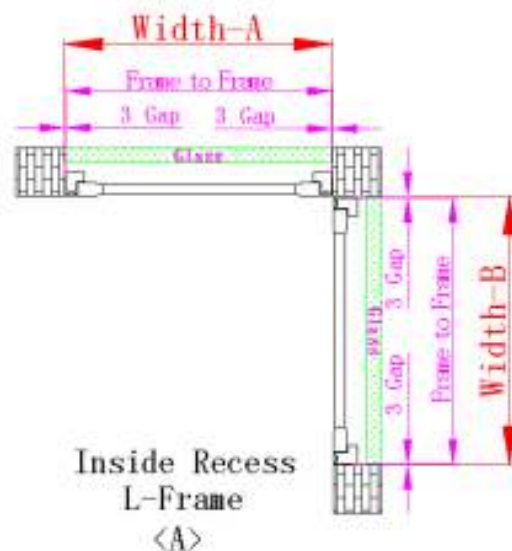
L Frame Outside Mount



Option <C>: A=\_\_\_\_\_ B=\_\_\_\_\_

## 4. Corner Post Measurement—With pillar in the corner

L Frame Inside Mount



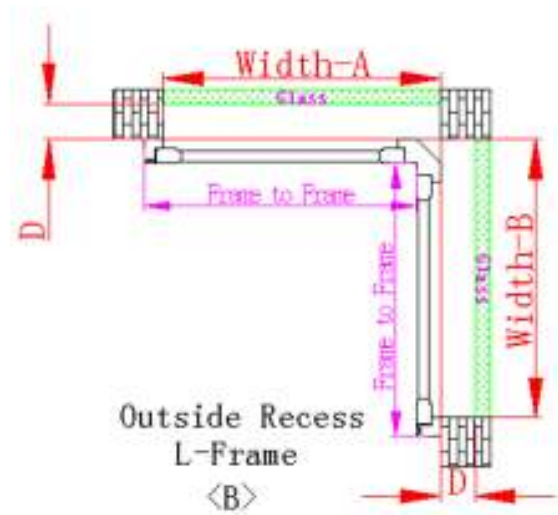
Option <A>: A=\_\_\_\_\_ B=\_\_\_\_\_

- Note:
1. No corner post is needed, measure as two separate windows.
  2. Z-Frame inside mount is not available.

# Measuring for Corner Windows

## 2. Corner Post Measurement—With pillar in the corner

### B) L Frame Outside Mount

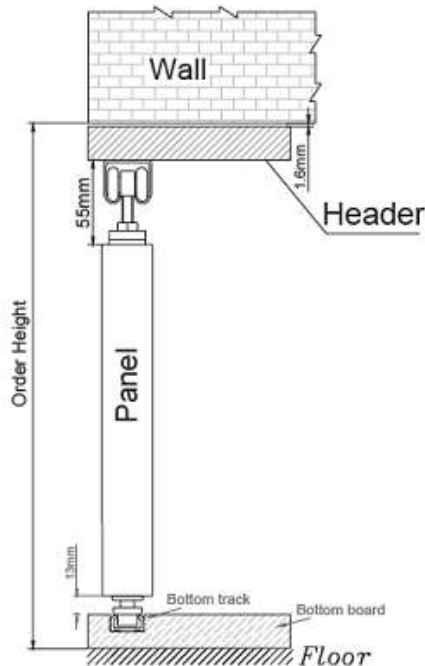


Option <B>: A= \_\_\_\_\_ B= \_\_\_\_\_

# Measuring for Bi-Fold Panels

Bi-Fold Panels can be mounted inside, outside and part inside/part outside your reveal. The type of mount chosen will depend on the louver chosen and the size of your opening. Bi-Fold panels are “hung” on a track system and we would advise that they are framed on at least 3 sides.

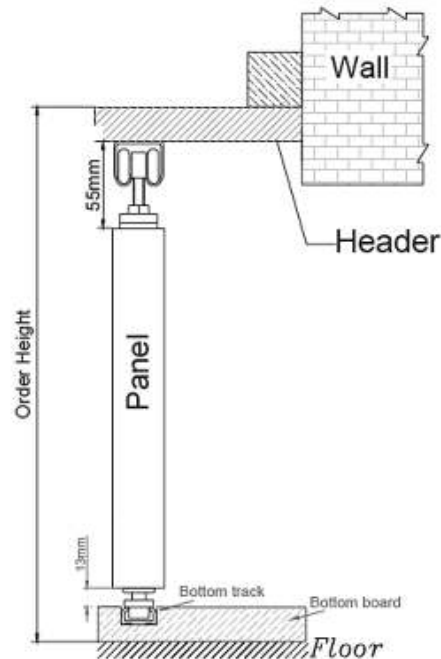
## 1. Inside Mount, Part Inside/Part Outside Mount Measuring:



1. Measure inside **width** in 3 places – top, middle & bottom,
2. Measure inside **height** in 3 places – left, middle & right
3. Use the smallest measurements in both **width & height**
4. Check for squareness by measuring the diagonals – if the diagonals are more than 10mm different, an outside mount option would be preferable
5. If divider rail is required, measure from the bottom of the opening (Usually the floor) to the centre of the intended divider rail height. Mark this measurement on the order form.

# Measuring for Bi-Fold Panels

## 2. Face Measuring:



1. Decide where on your wall you would like the headboard and sideboards to be position and measure as follows.
2. Measure to outside of frame **width** in 3 places – top, middle & bottom.
3. (Please note that side boards are approximately 32mm thick).
4. Measure outside **height** in 3 places – left, middle & right
5. (Please note that the top board is approximately 20mm thick, also from top of shutter to the head board will be 55mm for the track system).
6. Use the largest measurements in both **width & height**
7. Please take into consideration top the track measurement and the frame measurements when deciding on the position of your shutters)
8. If divider rail is required, measure from the bottom of the opening
9. (Usually the floor) to the centre of the intended divider rail height. Mark this measurement on the order form.

### **If an architrave is present:**

General practise for face mount Bypass is to place the headboard and/or sideboards around the outside of the architrave. The measurement required is to the **outside** of the **sideboards**.

### **WARNING!!**

Accurate measurements are essential for a proper installation. Shutters are custom made to your specifications.



# Measuring for Bi-Pass Panels

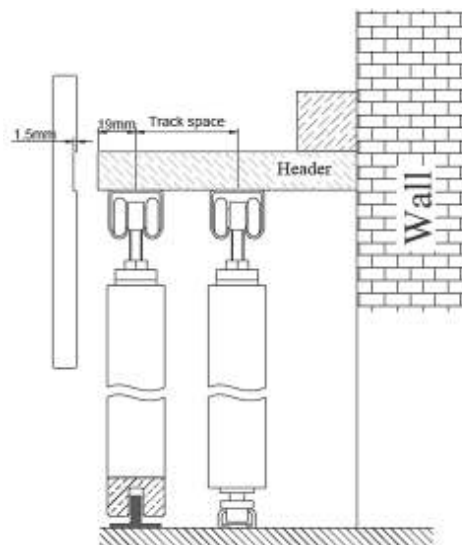
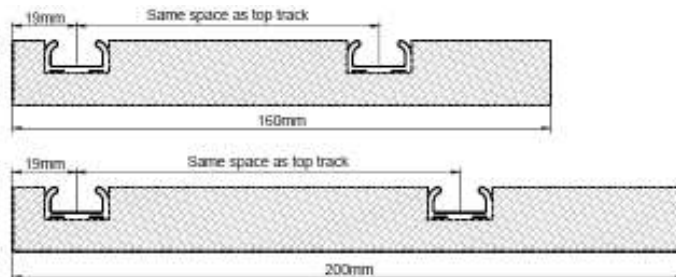
Bi-Pass shutters can be fitted inside, outside and part inside/part outside the recess. The choice of louver size, how they open and the size of your opening will all have an impact on how the shutters can be mounted.

Below shows the header width that you need to consider when deciding on your mount type:

The tracks are pre-attached to the header using the positioning chart below, depending on the choice of panels sliding with the louvers in the closed position or panels sliding with the louvers in the open position:

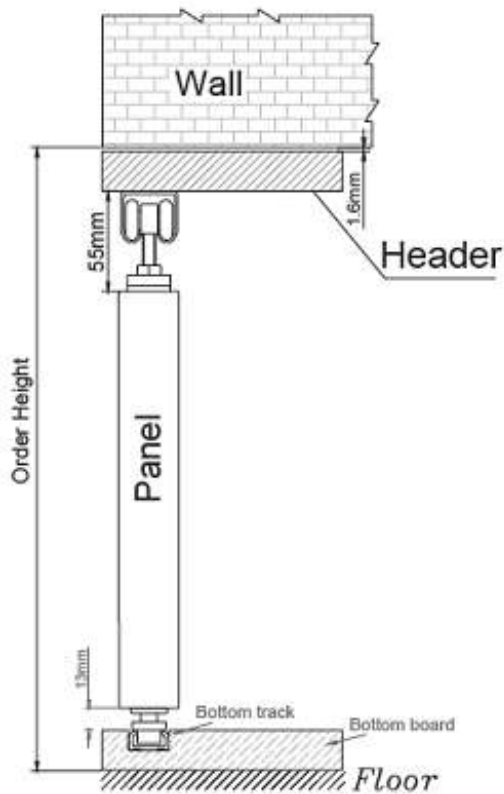
Louvre Size	Header width		Track Spacer		
	Close	Open	Close Bypass	Regular Tilt Rod	Hidden tilt rod
47	160	160	50.8	72	n/a
63	160	160	50.8	90	70
89	160	200	50.8	114	92
114	<b>200</b>	n/a	<b>50.8</b>	<b>139</b>	<b>119</b>

If the bottom track is requested to be Full Recess into the bottom board, the track space will be in the same positioning as the top track.



# Measuring for Bi-Pass Panels

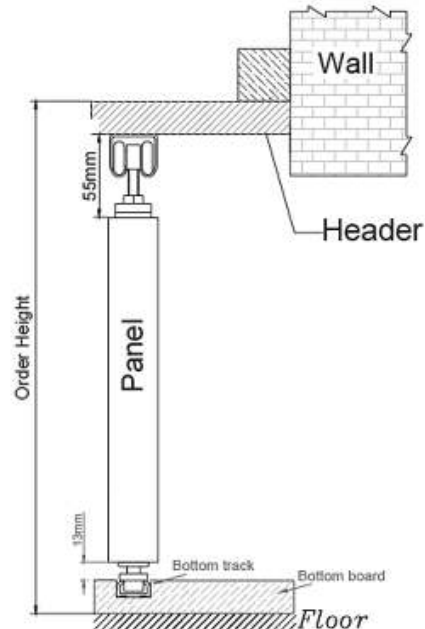
## 1. Inside Mount, Part Inside/Part Outside Mount Measuring:



1. Measure inside **width** in 3 places – top, middle & bottom,
2. Measure inside **height** in 3 places – left, middle & right
3. Use the smallest measurements in both **width** & **height**
4. Check for squareness by measuring the diagonals – if the diagonals are more than 10mm different, an outside mount option would be preferable
5. If divider rail is required, measure from the bottom of the opening (Usually the floor) to the centre of the intended divider rail height. Mark this measurement on the order form.

# Measuring for Bi-Pass Panels

## 2. Face Mount Measuring:



Decide where on your wall you would like the headboard and sideboards to be position and measure as follows.

Measure to outside of frame **width** in 3 places – top, middle & bottom.

(Please note that side boards are approximately 32mm thick).

Measure outside **height** in 3 places – left, middle & right

(Please note that the top board is approximately 20mm thick, also from top of shutter to the head board will be 55mm for the track system).

Use the largest measurements in both **width** & **height**

Please take into consideration the top track measurement and the frame measurements when deciding on the position of your shutters)

If divider rail is required, measure from the bottom of the opening

(Usually the floor) to the centre of the intended divider rail height. Mark this measurement on the order form.

### **If an architrave is present:**

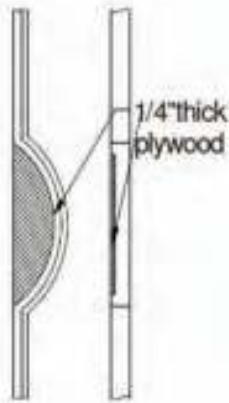
General practise for face mount Bypass is to place the headboard and/or sideboards around the outside of the architrave. The measurement required is to the **outside** of the **sideboards**.

### **WARNING!!**

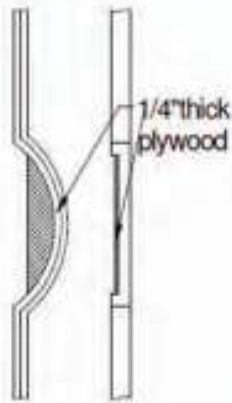
**Accurate measurements are essential for a proper installation. Shutters are custom made to your specifications.**

# Measuring French Door Cut Outs

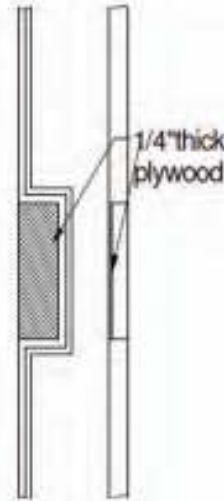
There are four types of French Door Cut Outs:



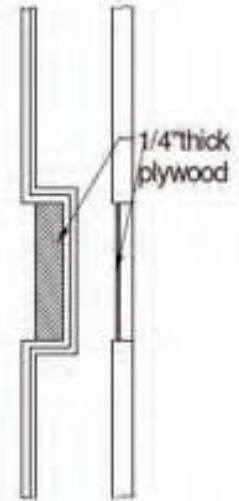
Type 1  
Flush with Frame



Type 2  
Offset to accommodate  
French Door with trim  
around glass



Type 3  
Flush with Frame

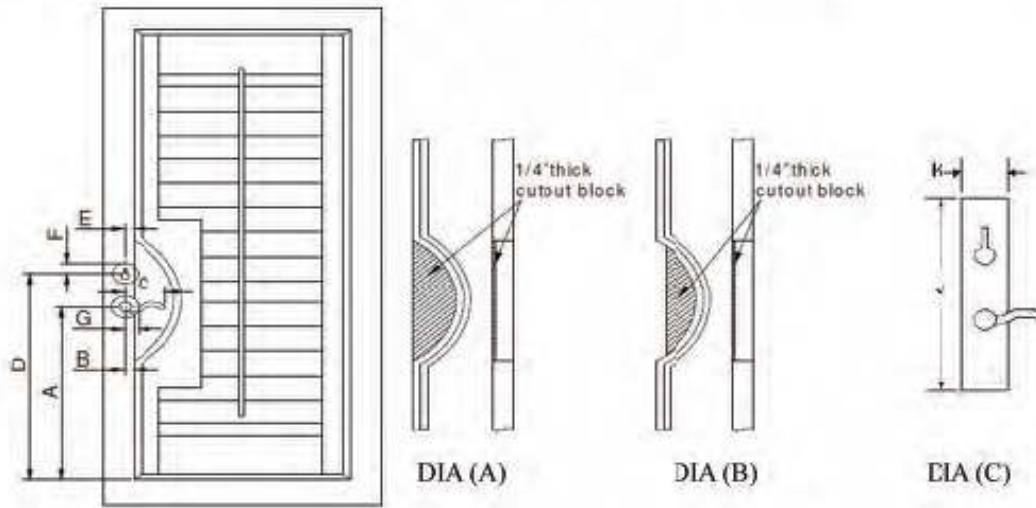


Type 4  
Offset to accommodate  
French Door with trim  
around glass

L Frame is preferred for French Door Installation. There will be approximately 1/2" gap between the edge of the handle cutout for handle or 2" gap between edge of door knob and cutout for round knob. If cutout will be over glass area then light can come through cutout area. In this case, back of frame will be routed and 1/4" thick plywood will be placed in cutout area. Please provide maximum frame-to-frame measurement for shutter size.

# Measuring French Door Cut Outs

## 1. Curve Flush Cutout



- A. Bottom of L frame to centre of handle pivot
- B. Edge of L frame to centre of handle pivot
- C. End of handle to centre of handle pivot
- D. Bottom of L frame to centre of lock
- E. Edge of L frame to centre of lock
- F. Centre of lock to top edge of lock base plate
- G. Centre handle pivot to edge of handle base plate
- H. Is the handle on left or right side of the door
- I. Is frame with cutout-block required?

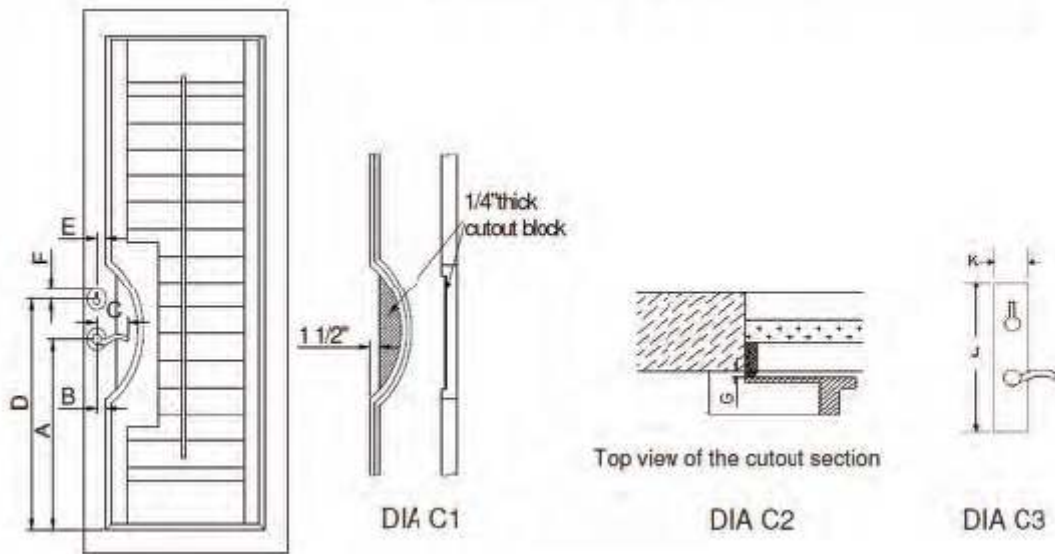
If the base plate is square (see DIA C) then please provide the following information:

- J. Square base plate height
- K. Square base plate width

- \* If your French door does not have a lock, please write "N/A" on D E & F
- \* Cutout-block piece, otherwise cutout block piece will be made according to DIA A

# Measuring French Door Cut Outs

## 2. Curve Offset Cutout



- A. Bottom of L frame to centre of handle pivot
- B. Edge of L frame to centre of handle pivot
- C. End of handle to centre of handle pivot
- D. Bottom of L frame to centre of lock
- E. Edge of L frame to centre of lock
- F. Centre of lock to top edge of lock base plate
- G. Projection of trim
- H. Is the handle on left or right side of the door?
- I. Is frame with cutout-block required?

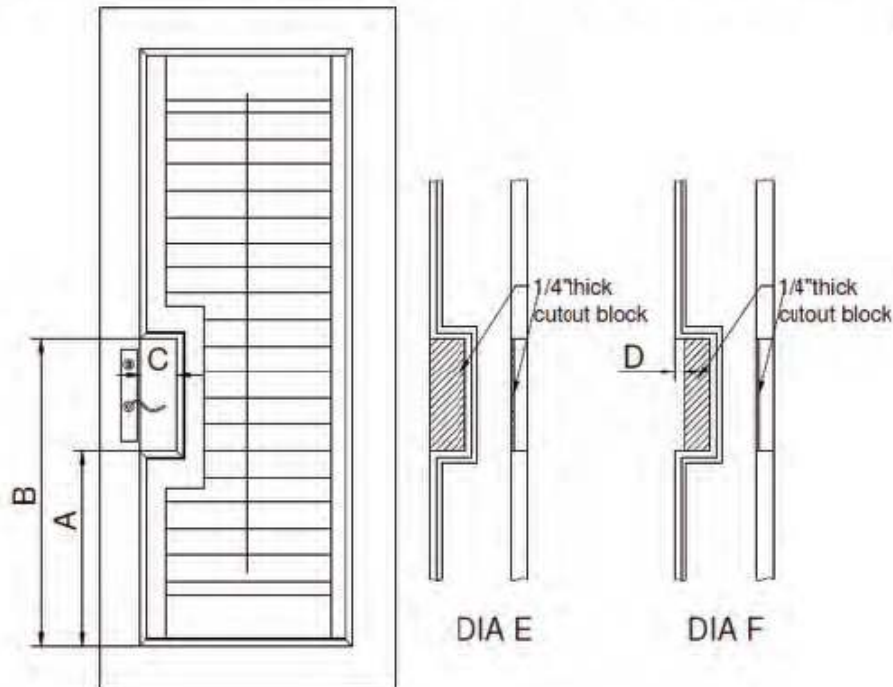
If the base plate is square (see DIA C3) then please provide the following information:

- J. Square base plate height
- K. Square base plate width

\* Cutout-block piece, will not go up to outside edge of L frame. It will go up to inside edge of L frame only. (DIA C1)

# Measuring French Door Cut Outs

## 3. Rectangular Flush Cutout

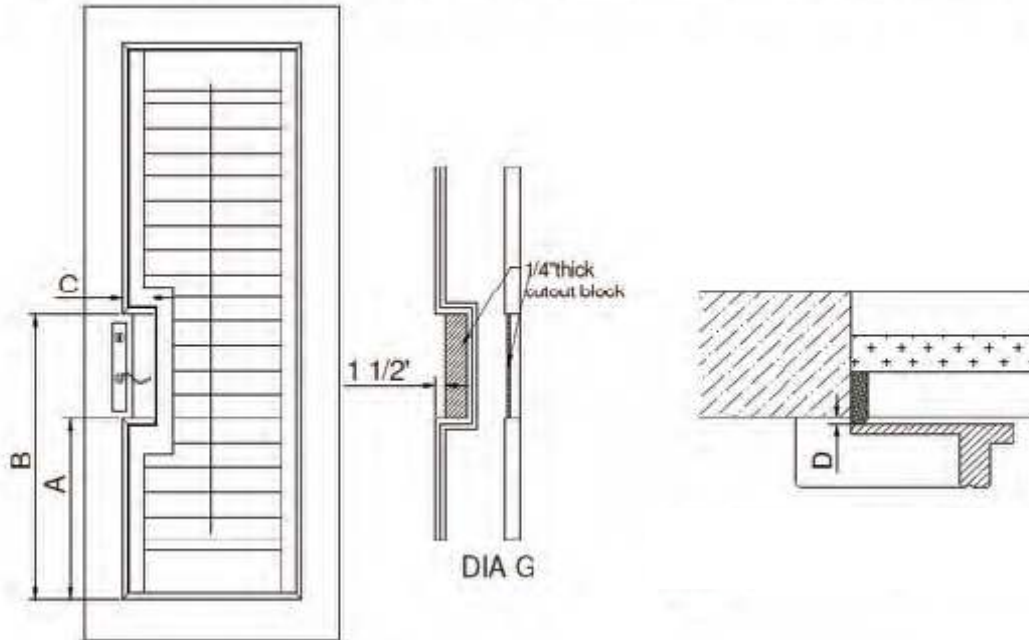


- A. Bottom of L frame to bottom of edge of cutout
- B. Edge of L frame to top edge of cutout
- C. Depth of cutout
- D. Outside edge of L frame to edge of cutout-block
- E. Is the handle on the left or right side of the door?
- F. Is the frame with cutout-block required?

- \* Cutout-block piece, will not hit handle base, the value of D should be Zero (DIA E)
- \* If cutout-block piece might hit the handle base plate, please provide measurement D (DIA F)

# Measuring French Door Cut Outs

## 4. Rectangular Offset Cutout



- A. Bottom of L frame to bottom of edge of cutout
- B. Edge of L frame to top edge of cutout
- C. Depth of cutout
- D. Projection of trim
- E. Is the handle on the left or right side of the door?
- F. Is the frame with cutout-block required?

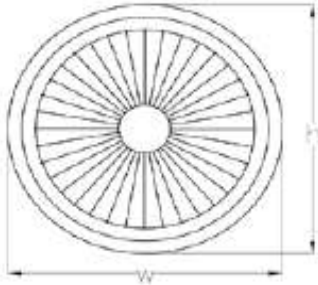
\* Cutout piece extends up to the inside edge of L frame only (DIA G)



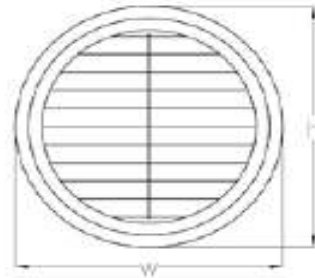
# Measuring Special Shapes

Special shapes are only available in our Vermont range. For inside recess mount a template or CAD drawing MUST be supplied. For outside mount measurements indicated below for each shape is sufficient.

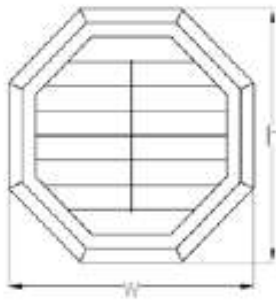
1 Circle Sunburst



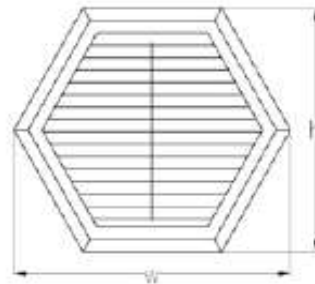
2 Circle with Horizontal



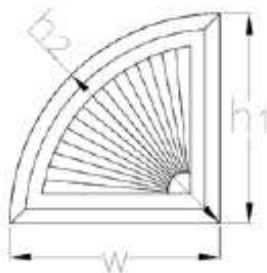
3 Hexagon Straight top



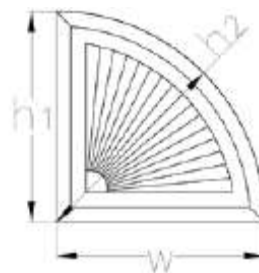
4 Octagon



5 Left Quarter Round Starburst



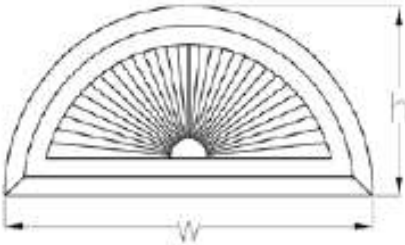
6 Right Quarter Round Starburst



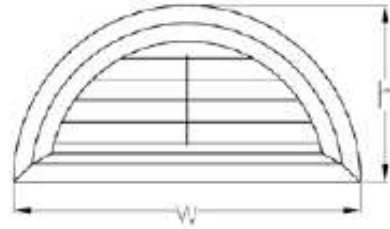
# Measuring Special Shapes

Special shapes are only available in our Vermont range. For inside recess mount a template or CAD drawing MUST be supplied. For outside mount measurements indicated below for each shape is sufficient.

**7 Half Round Sunburst**



**8 Sunburst with Horizontal Louver**



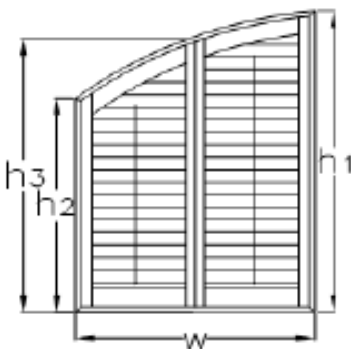
**9 Left Rake**



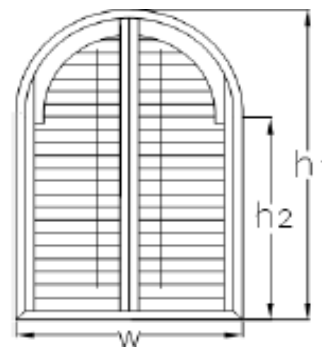
**10 Right Rake**



**11 Eyebrow Arch**



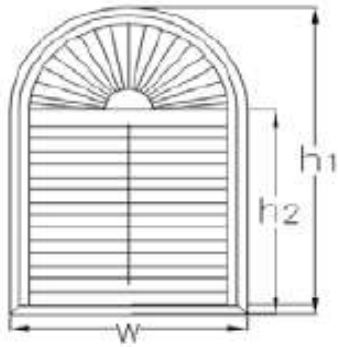
**12 Arch Shutter**



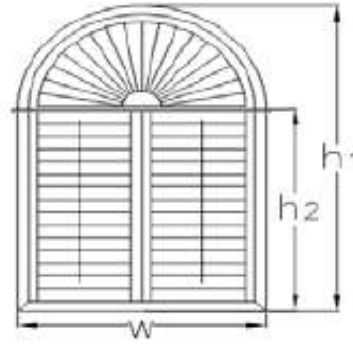
# Measuring Special Shapes

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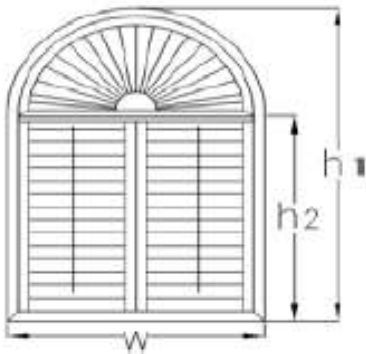
13 Sunburst Panel with Frame



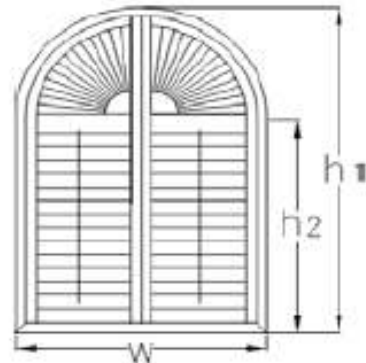
14 Sunburst at Top Divider Strip



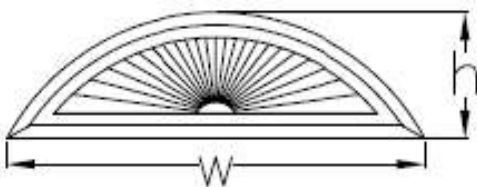
15 Sunburst at Top with Horizontal T Post



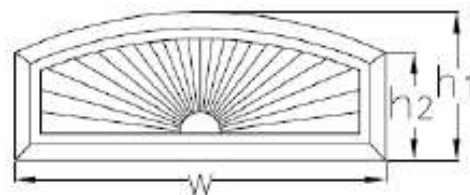
16 Quarter Sunburst Panel



17 Eyebrow Sunburst

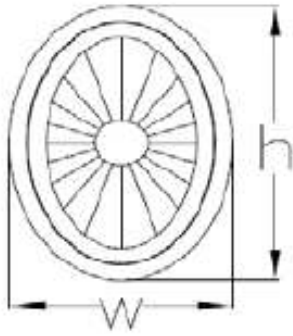


18 Elongated Eyebrow Sunburst



# Measuring Special Shapes

19 Oval



20 Oval with Horizontal Louver

