



HALLIS HUDSON  
*Signature*  
COLLECTION

SHUTTERS  
TECHNICAL GUIDE



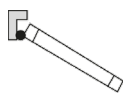
## Panel Configurations

Shutters offer many panel configuration options with up to eight panels within a single frame, to suit a wide range of situations. For ease of ordering, each configuration is abbreviated to a configuration code, which is built from a string of letters to represent each choice. The information below will help explain how to specify configuration codes.

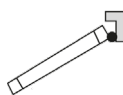
### Single Hung (L or R)

A single panel attached to either the side frame or a T post.

All panels will be supplied at the same dimensions



L = Left

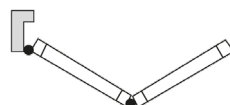


R = Right

### Bi-Fold (LL or RR)

Two panels hinged together, attached to either the side frame or a T post. Bi-Fold allows coverage of up to 160cm from a single fixing, reducing the need for a central T post.

Bi-Fold panels must be supplied with both panels at the same dimensions (e.g. 100cm coverage = 50cm/50cm split).



LL = Left/Left



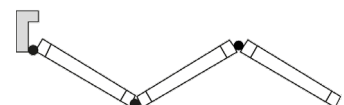
RR = Right/Right

### Multi-Fold (LLL or RRR)

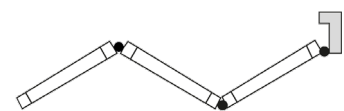
Three panels hinged together, attached to either the side frame or a T post.

Multi-Fold allows coverage of up to 210cm from a single fixing, reducing the need for a central T post.

Bi-Fold panels will be supplied with all panels at the same dimensions (e.g. 150cm coverage = 50cm/50cm/50cm split).



LLL = Left/Left/Left

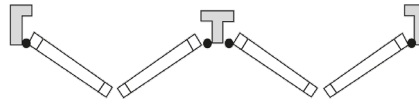


RRR = Right/Right/Right

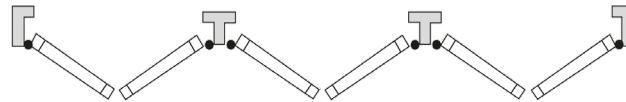
## T-Posts (T)

T-Posts give added strength to wider openings and can be used to provide additional panel fixing points, in situations where single panels are preferred to Bi-Fold or Multi-Fold or if the size of the opening exceeds the maximum panel coverage. T-Posts can support single hung, bi-fold and multi-fold panels on both sides of the post.

If a T-Post is required, please indicate this with a "T" within your panel configuration code:



LRTLRL = Left/Right/T-Post/Left/Right



LRTLRLRL = Left/Right/T-Post/Left/Right/ T-Post/Left/Right

## Panel Sizes

As standard, all panels will be supplied at the same dimensions.

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

## Panel Options



50mm Rail



100mm Rail

### Top & Bottom Rails

Top and bottom rails are available at heights of 50mm and 100mm. You may request either 50mm or 100mm rails for any Louvre size.

The smaller 50mm rails offer greater visibility out of the window when louvres are open and is aesthetically suited to 63mm louvres. We would also supply 50mm rails as standard for 76mm louvres.

The larger 100mm rails are aesthetically suited to 89mm louvres and therefore are supplied as standard.



Divider Rail

### Divider Rails

Up to two 50mm divider rails can be used to separate a full height panel into two or three separate sections. The position of these rails can be evenly split or at a position of your choice.

Separate sections of the panel tilt independently of each other.

A divider rail is required for all panel configurations over 220cm in height.



## Panel Options Continued



Tier on Tier with Transom



Tier on Tier



### Tier on Tier / Transom Beam

Tier on Tier allows the height of your shutter to be split into two separate panels. The split point for these panels can either be in the centre or at a position of your choice.

Separate panels open/close and tilt independently of each other. If either of the panels is over 220cm in height, a diver rail is required for that panel. It is highly recommended that a transom beam is added at the split point, for extra support.

Tier on tier is suitable for a maximum of two panels wide and therefore is not available with Multi-Fold panels.

### Tilt Bar

Louvres are opened and closed using a tilt bar linked to the louvres. The tilt bar is supplied on the hinge side and is positioned on the front as standard. You may wish to conceal the bar on the rear side of the panel if preferred.

Tilt bars operate the full section as standard, alternatively "Duplex" operation is available where the tilt bar is split over two or three sections. The split point(s) can be evenly split or at a position of your choice. Separate tilt bar sections tilt independently of each other.



### Astragal

The Astragal is a flange to block the light gap where two shutter panels meet. It is not needed in single panel assemblies. As standard we would supply the Astragal on the right hand panel, overlapping the left.

The opposite may be requested if preferred.



Spring Catch

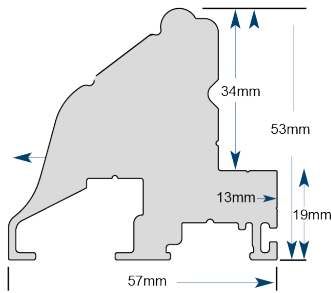


Magnetic Catch

### Spring / Magnetic Catch

The catch system ensures the shutter stays in place when at it's closed position. Spring Catch is supplied as standard, the firmness of the catch can be adjusted using a small flat head screwdriver. A traditional magnetic catch option is available as an alternative.

## Frame Options & Accessories

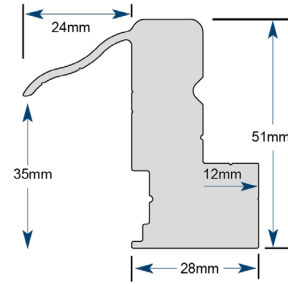


### Classic Frame

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 build-out 12.7mm

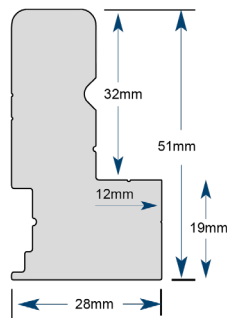


### Contempo Maxi Z Frame

- 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.

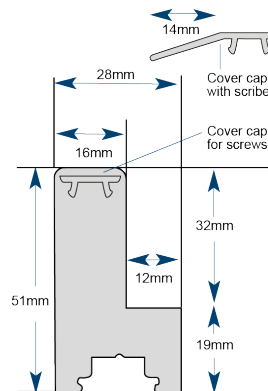


### MODA L Frame

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 build-out 12.7mm or 25.4mm and flexible cover cap with scribe.  
 Best option for Bay Windows.



### Build-Out

Colour matched build out strips can be requested for the Moda Multi and Classic frames, to assist in situations where the back of the frame requires packing out to reach the wall. Typically this would be where the frame is mounted outside of the recess and only needed in peculiar circumstances.

Build-outs are available in 12.7mm thick strips and can be attached together to achieve build-outs of 25.4mm, 38.1mm and 50.8mm thick. You are able to request different levels of build-out for each side of the frame.



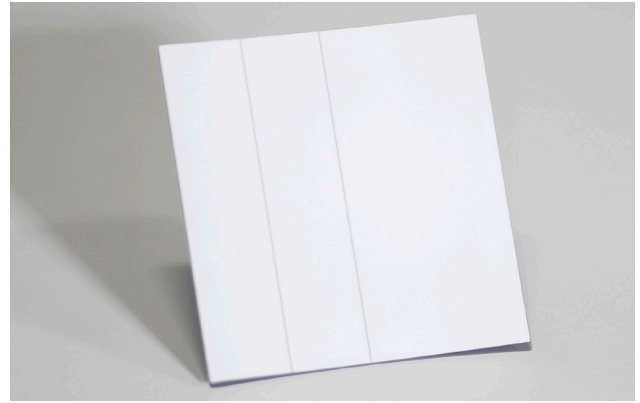
## Frame Options & Accessories Continued



### Rear Cover Strip

Colour matched rear cover strips can be requested for the Moda Multi and Classic frames, to assist in situations where the back of the frame will be visible.

The rear cover strip fills the channel at the back of the frame, giving a clean finished look.

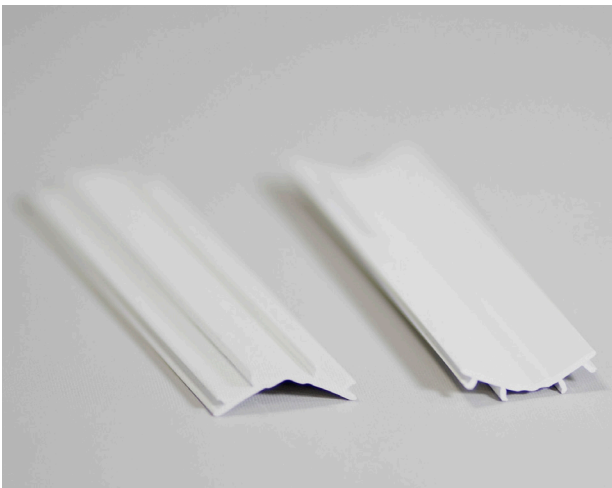


### Rigid Scribe Panel

Colour matched rigid scribe panels can be requested, to assist in situations where the edge of the frame requires extending to reach the wall and using decorators caulk to fill the gap is not practical.

Panels are 10cm wide and are also marked at 5cm and 2.5cm for ease of cutting to size.

You are able to request a scribe panel for as few or as many sides of the frame as you wish.



### Flexible Cover Cap with Scribe

Colour matched flexible cover cap with scribe is available for the Moda Multi frame.

This cover cap fills the front channel and overhangs the frame by 14mm, to assist in situations where the frame is butting up to an uneven wall and using decorators caulk to fill the gap is not practical.

You are able to request a flexi cover cap with scribe for as few or as many sides of the frame as you wish.



### Sill Plate

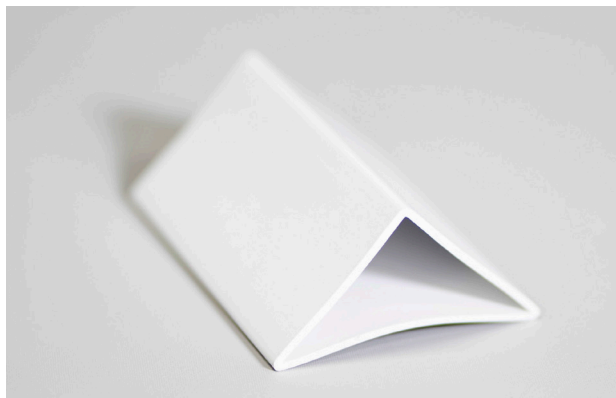
Sill plate is an option for the Contempo Maxi frame.

If requesting a Contempo Maxi frame with sill plate, the frame will be L shaped as opposed to Z shaped, allowing the frame to sit flush to the surface.

You are able to request a sill plate for as few or as many sides of the frame as you wish.

## Bay Window Accessories

We recommend that shutters for bay windows are supplied with the Moda Multi frame, due to its strength and versatility

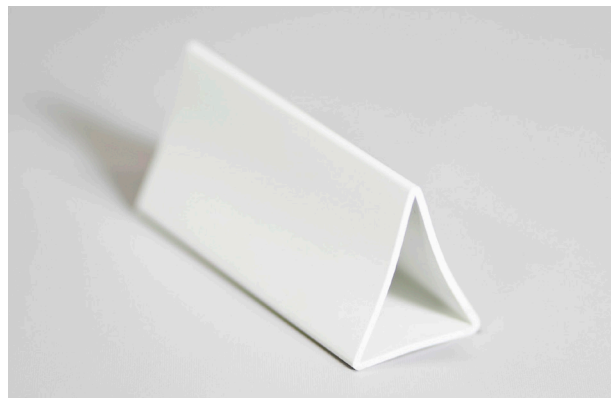


### 90 Degree Corner Post

A 90 degree corner post offers a solid join for two panels which are to be fitted at between 88-92 degrees of each other in a square bay.

Each frame is side fixed into the corner post, the frames are then top and bottom fixed into the sill and ceiling.

You are able to request one post per shutter.

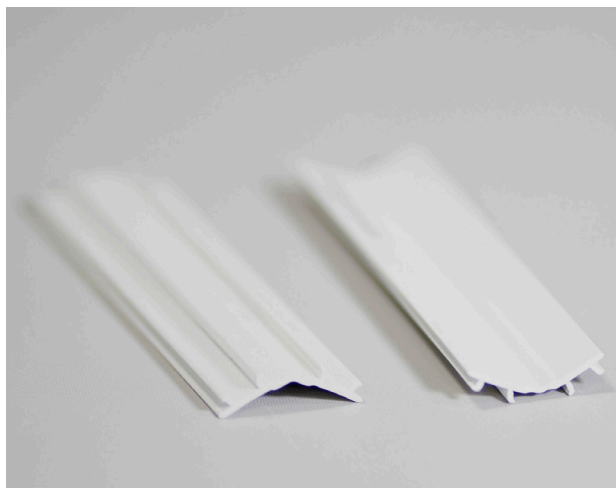


### 135 Degree Corner Post

A 135 degree corner post offers a solid join for two panels which are to be fitted at between 133-137 degrees of each other in a splayed bay.

Each frame is side fixed into the corner post, the frames are then top and bottom fixed into the sill and ceiling.

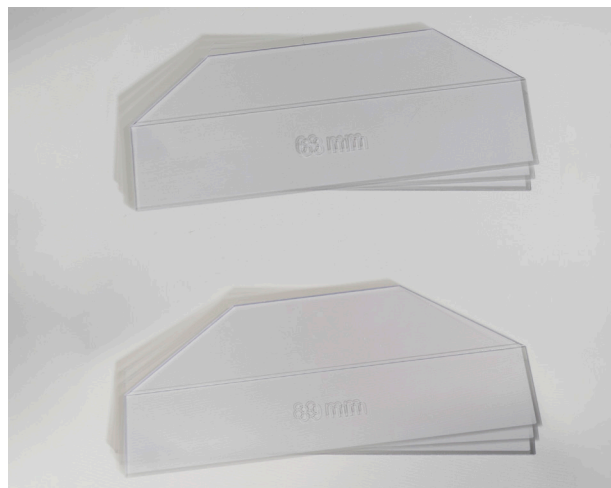
You are able to request one post per shutter.



### Flexible Bay Join Cover

The flexible join cover is suitable for use with the Moda Multi frame and can be used in situations where the 90 or 135 degree corner post is not suitable.

The join cover fits into the front channel of the two frames which are to be joined, providing a neat cover and reducing light leakage at the corner.



### Bay Window Measuring Template Set

There are two sets of templates one for 63mm and one for 76mm/89mm. These templates can be used for either fitting close to the window or allowing a 40mm projection for window handles.





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