

# PVC Shutters



## Introduction

Window treatments traditional European styled PVC Shutters are the perfect interior window management system. PVC Shutters look like our Basswood shutters but offer a longer life span and more affordable price tag. PVC shutters will not absorb moisture, delaminate, split, crack and are excellent for kitchens and bathrooms where moisture may be a problem.

PVC Shutters may be used for a variety of reasons: visibility and airflow, controlling the amount of sunlight that enters a room, provide privacy and security and enhance the aesthetics of a building or terrace access adding to the practicality and mood of any interior.

PVC Shutters can either be fixed permanently in place, hinged, bi-fold or sliding depending on your preference and application. Louvres can be adjustable or fixed within the shutter frame. Full height shutters are made with a horizontal divider (mid-rail) which separates the upper and lower portions of the shutter. With operable louver shutters this gives greater control as the louvres above the mid-rail can be operated independently from the louvres below the mid-rail. A tilt bar is used for adjusting louver position and to keep louvres in uniform position. Alternatively a clear view metal tilt rod is placed on the reverse side of the shutter allowing you to adjust all louvres position by tilting one louver. This also allows for cleaner lines on the front of the shutter and helps to decrease light gap measurements on sliding shutter applications.



## Quick Glance

| Type                 |  | PVC  |
|----------------------|--|--|
| <b>Louvres</b>       | Louvre Size  | 64mm, 89mm, 114mm  |
| <b>Tilt Bar</b>      | Tilt Bar Position<br>Clear View  | Centre, Left or Right<br>Yes   |
| <b>Style</b>         | Hinged<br>Bi-fold<br>Straight Sliding<br>Fixed Louvres (ventilated)<br>Fixed Louvres (non-ventilated)<br>Special Shape Shutters  | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>No  |
| <b>Stile Options</b> | Square<br>Rabbet<br>D-mould  | Yes<br>Yes<br>Yes  |
| <b>Hardware</b>      | Tracking Systems<br>Hardware   | Yes<br>Yes   |
| <b>Frame Options</b> | Stiles<br>Mid-rail<br>Light Stop<br>Hang Strips<br>L Frames<br>Z Frames<br>T Post<br>U Channel<br>Corner Post<br>Bay Window Post | Yes<br>Yes<br>* Yes - constructed from Basswood<br>* Yes - constructed from Basswood<br>Yes<br>Yes<br>Yes<br>* Yes - constructed from Basswood<br>* Yes - constructed from Basswood<br>* Yes - constructed from Basswood |
| <b>Finish</b>        | Stained<br>Oiled<br>Lacquered<br>Painted<br>Powder coated  | No<br>No<br>No<br>Yes, Standard colours or custom colours<br>No  |

SPECIFICATIONS

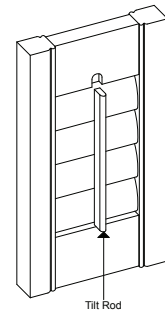
# PVC Shutters

## Tilt Rod, Louvre Size, Louvre Style,

### Tilt Rod Control Position:

#### Plantation

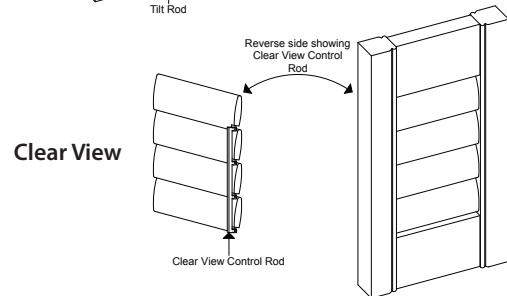
Standard position for the tilt bar control on Plantation shutters is centred within the frame. Alternatively, the tilt bar can be positioned off-centred left or right. The off-centred option is mainly used for bi-fold panels to allow the panels to fold onto each other without hitting the tilt bar. A tilt rod (in conjunction with a hooked push pole) is also used for high/out of reach and special shaped shutters.



Plantation

#### Clear View

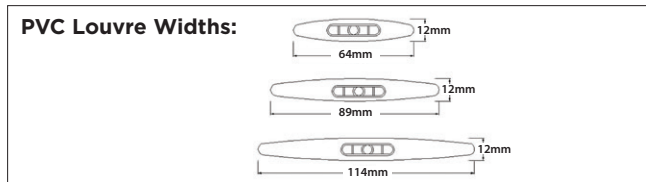
The Clear View control option for PVC shutters is a metal tilt rod rebated into the side of the louvre blade on the reverse side of the panel. This allows for cleaner lines and a clear view through the shutter once the louvres are opened or closed. The standard Clear View tilt bar position is on the hinged stile side of the louvre blades. The Clear View option is also used for sliding shutter applications as this decreases light gap measurements and allows each shutter panel to sit closer to one another reducing the depth of the shutters when stacked.



Clear View

### Louvre Size and Type

PVC shutters are available in three sizes of areofoil blade which is elliptical in shape (i.e. thicker in the middle and tapered to the front and back). Louvre blades are reinforced with aluminium inserts.

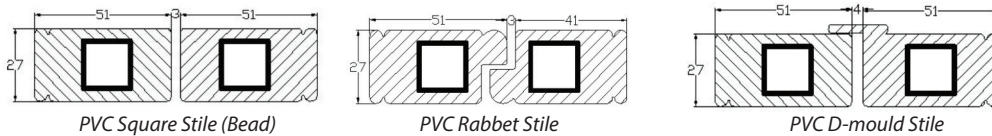


### Louvre Style for Special Shape Shutters

Special shapes are not available in PVC shutters. Please refer to our Basswood and Ceadr Shutter sections if special shapes are required.

### Stiles

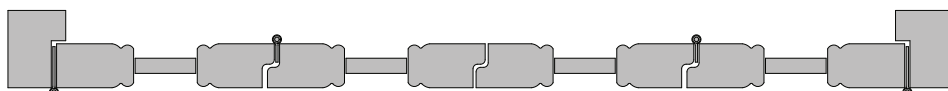
Window Treatments supplies three stile options for PVC shutters: Square, Rabbet and D-mould. D-mould stiles are used to provide a light block where two panels overlap or interlock. PVC stiles are reinforced with aluminium inserts.



Square Stiles (Bead)



Square & Rabbet Stiles



Square & D-mould

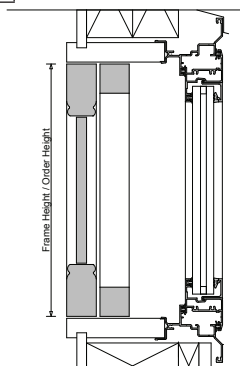
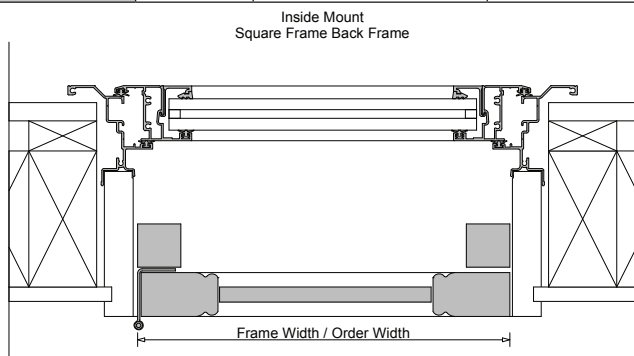
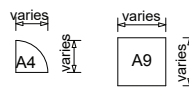


# PVC Shutters

## Light stop, L frames, T frames & Mount types

### Light Stop

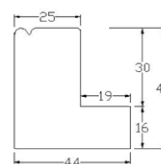
| Shutter Type | Type       | Frame Options  | Benefit   |
|--------------|------------|--|---|
| PVC          | Light Stop | A4, A9, mm Varies<br>Note: constructed from Basswood not PVC | Provides a light block where panels are hinged. |



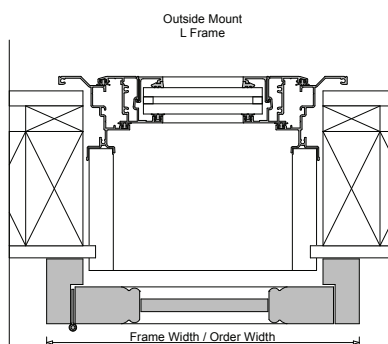
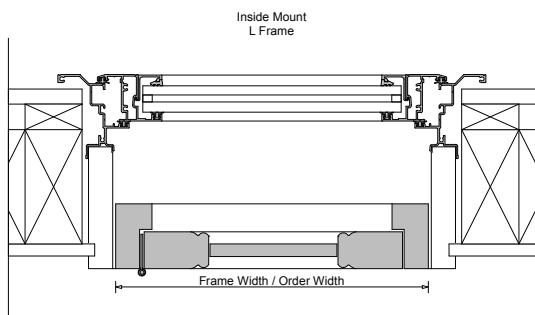
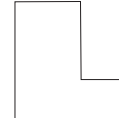
### L Frame

| Shutter Type | Type    | Frame Options   | Benefit   |
|--------------|---------|---|---|
| PVC          | L Frame | Beaded (standard - PVC) or Flat (constructed from Basswood) | L Frames are used to provide hanging options for single and multiple panels for outside and inside mount applications using a Butt or Steadman hinge. Using a Beaded standard frame or Flat frame with a Steadman hinge allows you to protrude the panel past the window opening. This gives you the ability to hang the shutter panel square in the frame and closes the light gap for flush mounted hinges. Ideal when there is no architrave in the opening. |

Beaded (standard - PVC)



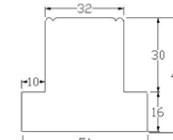
Flat (constructed from Basswood)



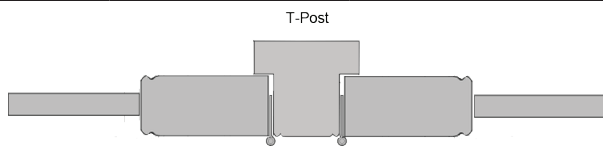
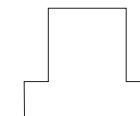
### T Post

| Shutter Type | Type   | Frame Options   | Benefit   |
|--------------|--------|---|---|
| PVC          | T Post | Beaded (standard - PVC) or Flat (constructed from Basswood) | T Posts are used to provide hanging options for single and multiple panels for outside and inside mount applications using a Butt hinge. Gives you the ability to hang the shutter panel square in the frame. The T Post closes the light gap for flush mounted hinges. Ideal when there is no architrave in the opening. 2 options Beaded or Flat. |

Beaded (standard - PVC)



Flat (constructed from Basswood)



SPECIFICATIONS

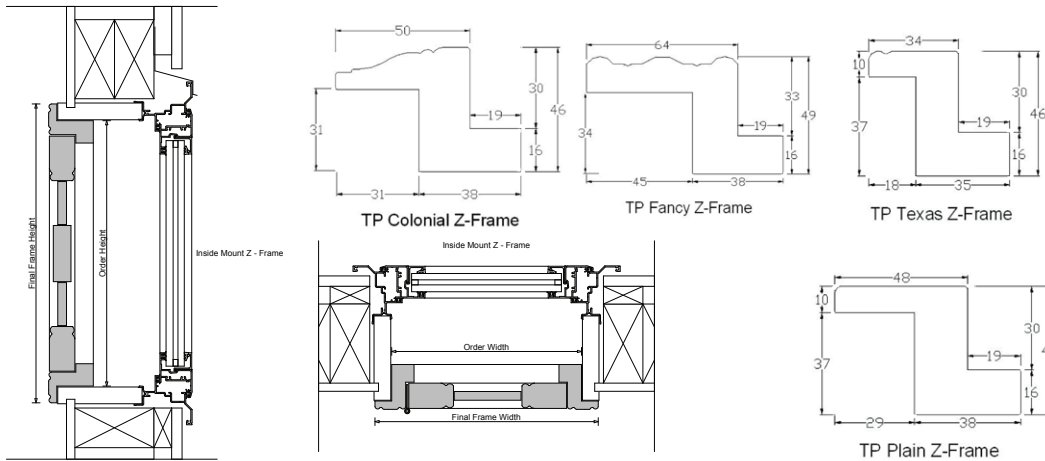
# PVC Shutters

- Z Frame, U Channel, Corner Post, Bay Window Post & Mount types

SPECIFICATIONS

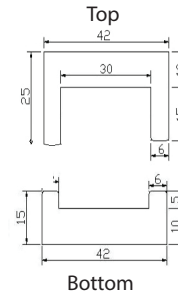
## Z Frame

| Shutter Type | Type    | Frame Options                                   | Benefit   |
|--------------|---------|---|---|
| PVC          | Z Frame | TP Plain<br>TP Colonial<br>TP Fancy<br>TP Texas | Z Frames are used to provide hanging options for single and multiple panels within an opening. Plumbing the window frame closes the light gap for flush mounted hinges. The Z frame wraps around the reveal edge, making it ideal for covering out-of-square windows. 4 style options are available |



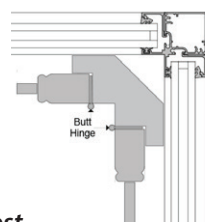
## U Channel

| Shutter Type | Type      | Frame Options | Benefit  |
|--------------|-----------|---------------|--|
| PVC          | U Channel | Top, Bottom   | Top and bottom 'U Channels' are ideal for incline roof applications or when access to windows is not required. The louvres can open and close and the panel can easily be removed by lifting the shutter up into the top channel and out at the bottom. To refit the reverse applies. Note: U Channels are constructed from Basswood not PVC |

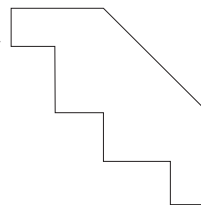


## Corner Post

| Shutter Type | Type        | Frame Options | Benefit  |
|--------------|-------------|---------------|--|
| PVC          | Corner Post | Corner Post   | Corner Posts are used to provide hanging options for single and multiple panels within a corner application. Closes light gap for flush mounted hinges. Corner Posts are manufactured according to the size required for each installation. Note: Corner posts are constructed from Basswood not PVC |

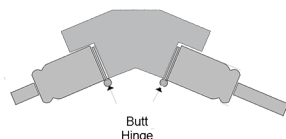


All measurements vary depending on application

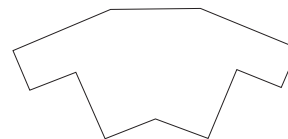


## Bay Window Post

| Shutter Type | Type            | Frame Options   | Benefit  |
|--------------|-----------------|-----------------|--|
| Aluminium    | Bay Window Post | Bay Window Post | Bay Corner Posts are used to provide hanging options for single and multiple panels within a bay window application. Closes light gap for flush mounted hinges. Bay Window Posts are manufactured according to the size required for each installation. Note: Bay window posts are constructed from Basswood not PVC |



All measurements vary depending on application



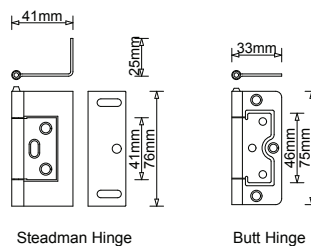
# PVC Shutters

## Panel types - Hinged, L Frame & T Post Hinged

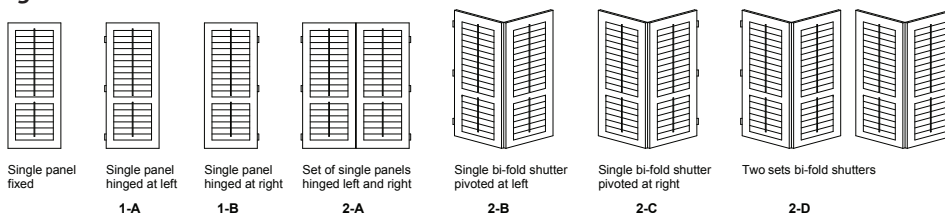
### Panel Types

Panel Types refers to the variations of each type of shutter: single panel fixed, single panel hinged, bi-folds, L Frame and T Post, straight sliding and bi-fold track variations.

The type of hinge used for a single panel, bi-fold, L Frame and T Post and for Rabbet stiles applications is a Butt hinge. However, if you require your panel to protrude past the window opening, a Steadman hinge is required hinged from a hang strip.

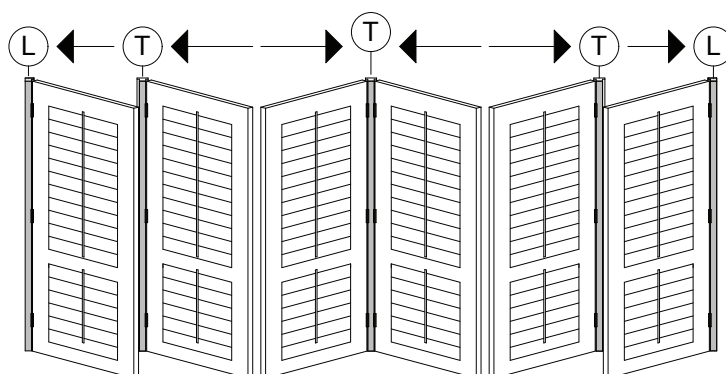
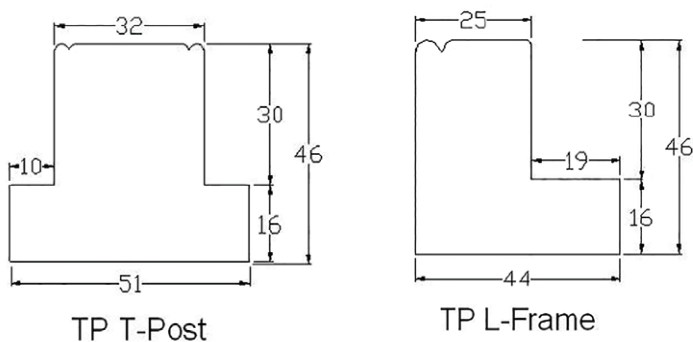


### Hinged



### L Frame and T Post Hinged options

When tracks are not feasible, L frame and T Posts are used to provide options for single and multiple panels within an opening or outside the opening window (see examples below).



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# PVC Shutters

## - Panel types - Hinged, L Frame & T Post Hinged - Contd.

### L Frame and T Post Hinged - cont.

#### Key

|         |   |
|---------|---|
| T means | Panel is hinged from a T Post or closes onto a T Post   |
| L means | Panel is hinged from a L Frame or closes onto a L Frame |
| → means | Panel direction to the right                            |
| ← means | Panel direction to the left                             |

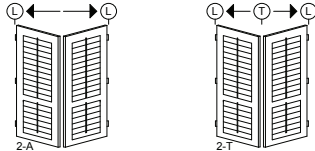
#### One Panel

Variations:



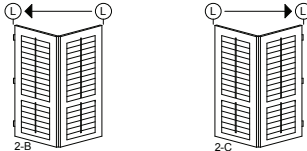
#### Two Panel - Individually Hinged

Variations:



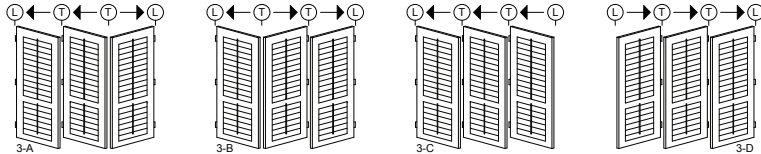
#### Two Panel - Bi-fold

Variations:



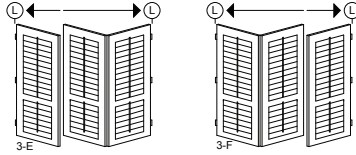
#### Three Panel - Individually Hinged

Variations:



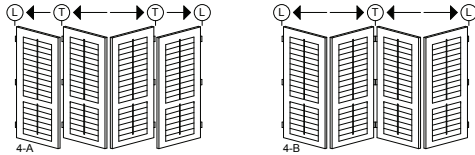
#### Three Panel - Bi-fold

Variations:



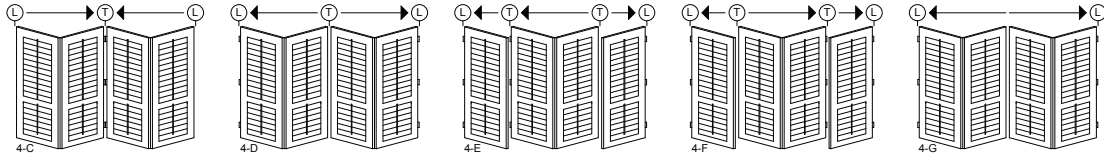
#### Four Panel - Individually Hinged

Variations:



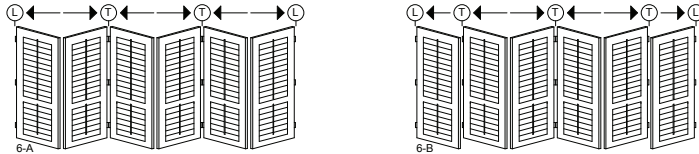
#### Four Panel - Bi-fold

Variations:



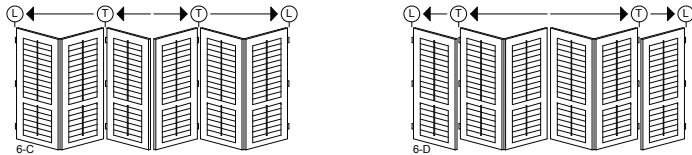
#### Six Panel - Individually Hinged

Variations:



#### Six Panel - Bi-fold

Variations:



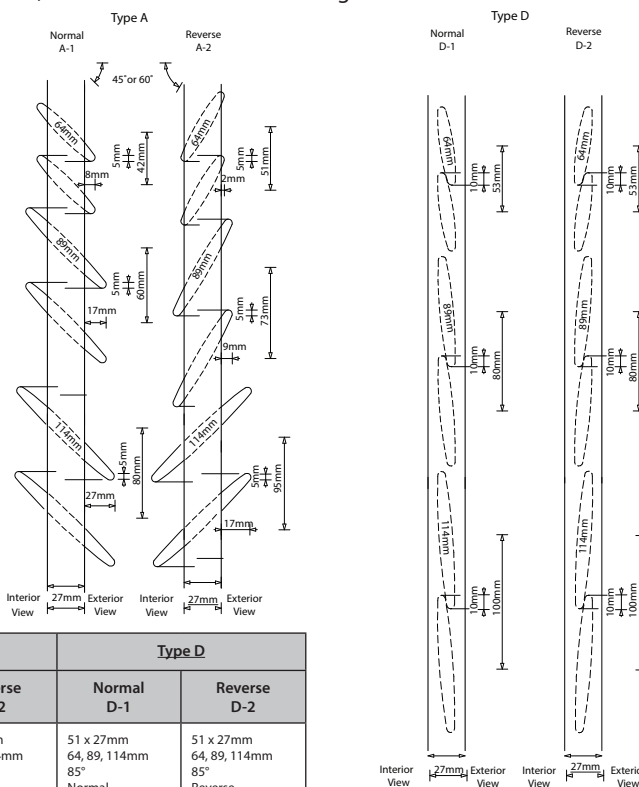


# PVC Shutters

## Fixed Louvre Shutters, Overview specifications

### Fixed Shutters

Fixed louvres are permanently open (ventilated - Type A) or permanently shut (non-ventilated - Type D). Permanently open means that there is always ventilation while blocking line of sight. Fixed louvres may be employed for a variety of reasons: to control the amount of sunlight that enters a room, to provide privacy and security, protect against weather, unwanted intrusion or damage and to enhance the aesthetics of a building.



|                  | Type A        |               | Type D        |               |
|------------------|---------------|---------------|---------------|---------------|
|                  | Normal A-1    | Reverse A-2   | Normal D-1    | Reverse D-2   |
| Stile (PVC)      | 51 x 27mm     | 51 x 27mm     | 51 x 27mm     | 51 x 27mm     |
| Louvres (PVC)    | 64, 89, 114mm | 64, 89, 114mm | 64, 89, 114mm | 64, 89, 114mm |
| Angles           | 45° or 60°    | 45° or 60°    | 85°           | 85°           |
| Louvre Facing    | Normal        | Reverse       | Normal        | Reverse       |
| Projection (PVC) | 8, 17, 27mm   | 2, 9, 17mm    |               |               |
| Finish (PVC)     | Painted       | Painted       | Painted       | Painted       |

### Overview PVC Shutter Specifications:

|  |  |  |  |
|--|--|--|--|
| <b>Louvre Size</b><br><b>Type</b> Louvre - Aerofoil<br><b>Size</b> 64mm x 11mm<br>89mm x 12mm<br>114mm x 12mm<br><b>Options</b> Half Open, Fixed, Ventilated, Fixed Non-Ventilated   |  | <b>Recess</b><br><b>Size</b> 80mm - 150mm<br><b>Please Note:</b> Varies, depends on Louvre size.   |  |
| <b>Finish</b><br><b>Type</b> Painted<br><b>Colours</b> Standard colours: White, Snow, Swiss coffee, Creamy, Butter, Super white, Pearl white, Eggshell, Pearl, Bristle half, Antique white, White on white or Custom Colour  |  |  |  |
| <b>Width &amp; Height Hinged</b><br><b>Type</b><br>Maximum Width 750mm (Single Panel)<br>Maximum Width 500mm (Bi-fold Panel)<br>Minimum Width 300mm (Single Panel)<br>Minimum Height 300mm<br>Maximum Height 2400mm<br>Note: Shutters over 1500mm in height will be constructed with a mid-rail  |  | <b>Stile &amp; Rails</b><br><b>Type</b><br>Stile 60mm x 30mm<br>Top Rail 70mm - 150mm x 20mm (varies, depends on height of panel)<br>Mid Rail 82.6mm x 20mm<br>Shutters over 1500mm 1 mid-rail<br>Bottom Rail 70mm - 150mm x 20mm (varies, depends on height of panel)<br>Tilt Mechanism Tilt Rod 15.8mm x 12.5mm<br>Clear view concealed<br><b>Options</b><br>Square<br>D-mould<br>Tilt Rod (centered, left, right)<br>Clear View |  |
| <b>Track Systems</b><br><b>Type</b><br>Maximum Width 500mm per Panel (maximum 8 x Panels on each side)<br>Maximum Height 2400mm<br>Note: Shutters over 1500mm in height will be constructed with a mid-rail<br><b>Single Run</b><br>900mm per Panel (maximum 6 x Panels on each track)<br>2400mm<br>Note: Shutters over 1500mm in height will be constructed with a mid-rail |  |  |  |

SPECIFICATIONS

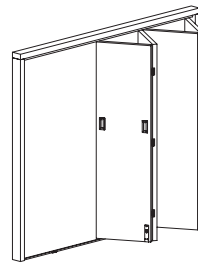
# PVC Shutters

## Hardware Technical - Tracking systems, Hinges

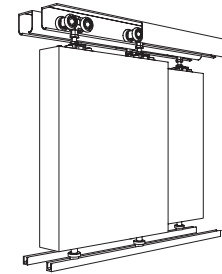
### Hardware Overview

#### Tracking Systems

Window Treatments supplies two tracking systems: Multi-fold for bi-fold shutters, and Single Run for straight sliding shutters. For special applications Window Treatments can supply various track options to suit your requirements.



Multi-fold for Bi-fold shutters

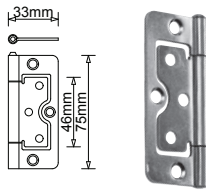


Single Run for straight sliding

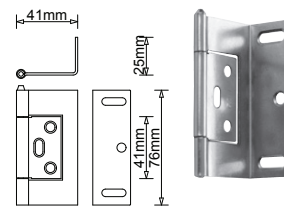
#### Hinges

Depending on the type of shutter installation, Butt Hinge and Steadman Hinge are the standard hinges. For special applications, Window Treatments also supplies various hinge options such as Handle hinges to suit your requirements.

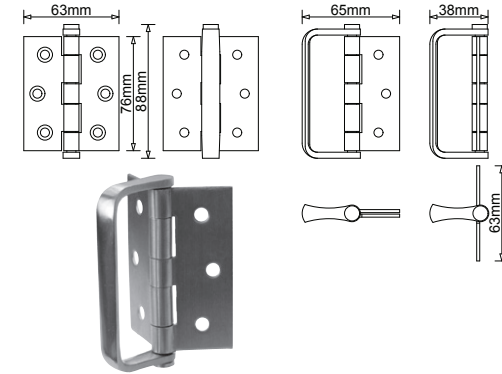
#### Butt Hinge



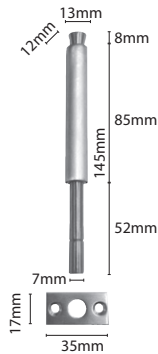
#### Steadman Hinge



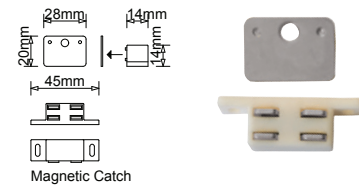
#### Handle Hinge



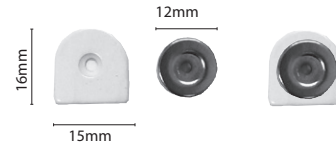
#### Barrel Bolt



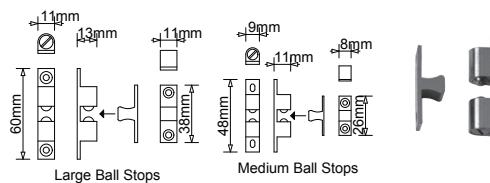
#### Magnetic Catch



#### Magnetic Catch



#### Ball Stop



| Type           | Colours Available   | Suitable for                               |
|----------------|---|--|
| Butt Hinge     | Stainless Steel, Silver, Cream, White, Black, Antique Brass, Bright Brass | Square, Rabbet, T Post, L Frame            |
| Steadman Hinge | Stainless Steel, Silver, Cream, White, Black, Antique Brass, Bright Brass | Hang Strip, protruding past window opening |
| Handle Hinge   | Stainless Steel   | Bi-fold, assists panel movement            |
| Barrel Bolt    | Stainless Steel   | Bi-fold, Sliding, Panel                    |
| Ball Stops     | Brass, Chrome   | Securing Fixed Panel                       |
| Magnetic Catch | Brown, White, Black   | Securing Bi-fold Panel                     |



# PVC Shutters

## Hardware Technical - Sliding Single Run

### Application

- Widely used in lighter commercial and industrial applications
- To cover any width of opening, any number of panels can be used
- To accommodate different building designs, panels can slide to one or both sides
- Hinged panel for easy access may be incorporated into a sliding panel
- Where panels are fitted externally, a canopy is recommended

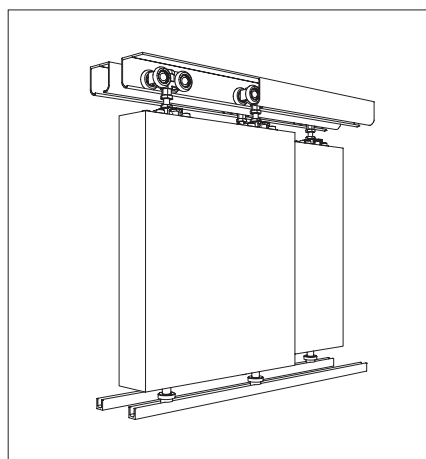


### Panel Specification

**Track System: Single Run (individual Panels)**

Max Panel Height: 2400mm

For ease of operation it is recommended that the panel width should not exceed 75% of the panel height. Panels for interior use can be of flush construction or glazed. Panels for industrial applications should be framed, ledged and braced.



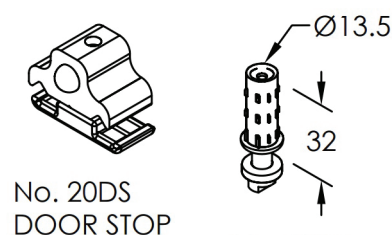
### Hardware Specification

Track : 80A  
 Material : Aluminium  
 Standard lengths : 2000mm, 3000mm, 4000mm, 6000mm  
 Aluminium track available in mill or clear anodised finish.

Door Stop : 20DS (Stainless Steel)

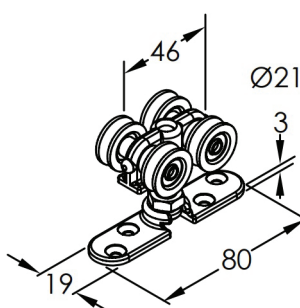
Hangers (2 per door) :  
 Interior : No. 57EN Hamger  
 Hangers supplied with fixing plate and nylon tyred precision bearings. Vertical adjustment is simple and positive. Nylon tyre wheel hangers should not be used on installation involving temperatures exceeding 80°C.

Guide : No. 801S  
 Spring loaded guide, nylon body and tip with stainless steel shaft and spring.  
 Designed to slide in the No. 92 Threshold

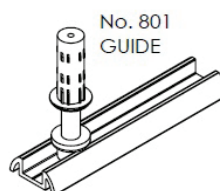


No. 20DS  
DOOR STOP

No. 801S  
GUIDE



No. 57EN  
HANGER



No. 801  
GUIDE

No. 92  
THRESHOLD

SPECIFICATIONS



# PVC Shutters

## - Hardware Technical - Multi-fold

### Application

- Suitable for residential and light commercial folding shutters with all panels of equal width. Panels can fold to one or both sides of the opening
- Pivot hardware enables a folding exterior shutter to be designed using equal width panels with no cutting down of the panel adjacent to the post.
- To cover any width opening, any number of folding units can be used.



### Panel Specification

**Track System: Multi-fold (individual leaves)**

Max Leaf Height: 2400mm

Max Leaf Width: 500mm

Units of up to six panels can be pivoted to each side of the opening.

A guide system across the floor must be used on units of three panels or more. Floating units consist of four to six panels. Shutters should be constructed to provide secure fitting for the pivot sets, hangers, hinges and guides.



### Hardware Specification

Track - punched for soffit fitting: 80A

Material : Aluminium

Standard lengths : 2000mm, 3000mm, 4000mm, 6000mm

Top Pivot Assembly : 21EPNC Steel, Zinc dichromated, Nylon

Bottom Pivot : 21EPNC Steel, Zinc dichromated, Nylon

Door Stop : 20DS (Stainless Steel)

Hangers : No. 57EN Hanger

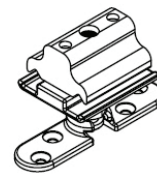
The hanger is fitted with four nylon tyred ballrace wheels. The adjustment bolt is attached to the top plate and secured in place with a blocking clip which allows easy installation. All steel parts are zinc dichromated.

Guide : No. 801S

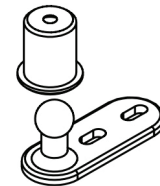
Spring loaded guide for use with No.92 Threshold. Guide is nylon and stainless steel.

Threshold : No. 92

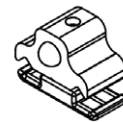
Threshold, aluminium, available in 2100mm, 3000mm, 4000mm, 6000mm



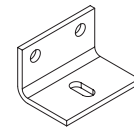
No.21EPNC Top Pivot



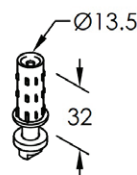
No. 21EPNC PIVOT



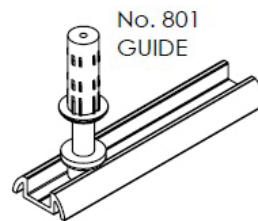
No. 20DS DOOR STOP



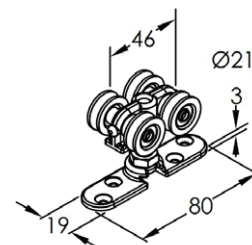
No. ADP1/60 Bracket



No. 801S GUIDE



No. 92 THRESHOLD



No. 57EN HANGER