

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 or 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 louvre shutters this gives greater control as the louvres above the mid-rail can be operated independently from the louvres below the mid-rail.

Tilt control options for adjusting the louvre position on **PVC** Shutters include, a Tilt Rod positioned on the front of the shutter, a Clear View Tilt Rod positioned at one side at the back of the shutter, or a Concealed Tilt Mechanism hidden inside one of the stiles (rack and pinion system).



Quick Glance

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

SPECIFICATIONS



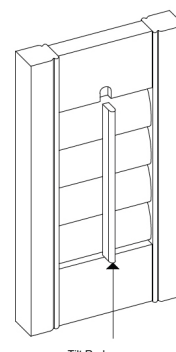
PVC Shutters

- Tilt Rod, Louvre Size, Louvre Style,

Tilt Rod Control Position:

Plantation

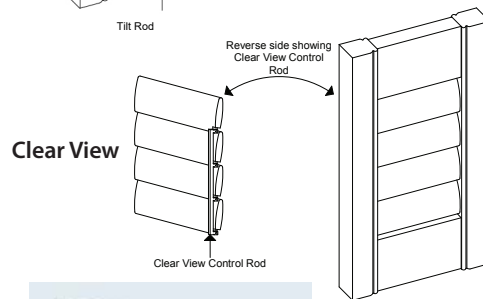
Standard position for the tilt bar control on Plantation shutters is centred within the frame. Alternatively, the tilt bar can be positioned off-centred left or right. The off-centred option is mainly used for bi-fold panels to allow the panels to fold onto each other without hitting the tilt bar. A 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.

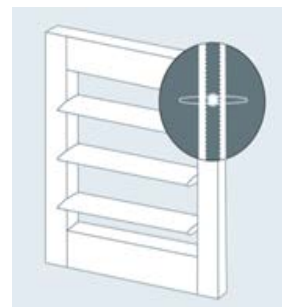


Clear View

Concealed Tilt Mechanism

The Concealed Tilt Mechanism option for PVC shutters is enabled via a rack and pinion mechanism which is completely hidden inside one of the shutter stiles. This creates a very clean, minimalistic appearance and is particularly suited when the tilting of the shutters is motorised.

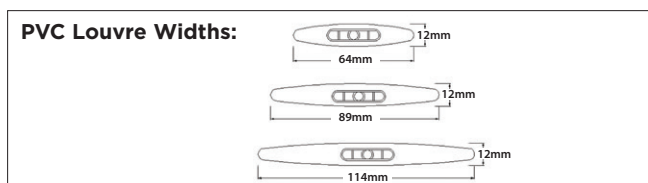
Note: This option is not available for Cedar Shutters.



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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.

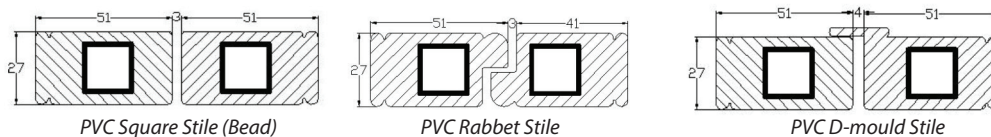


Louvre Style for Special Shape Shutters

Special shapes are not available in PVC shutters. Please refer to our Basswood and Cedar 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



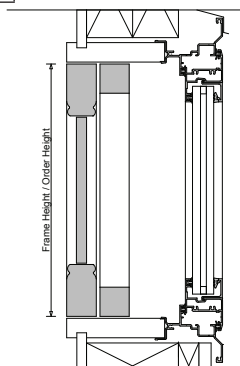
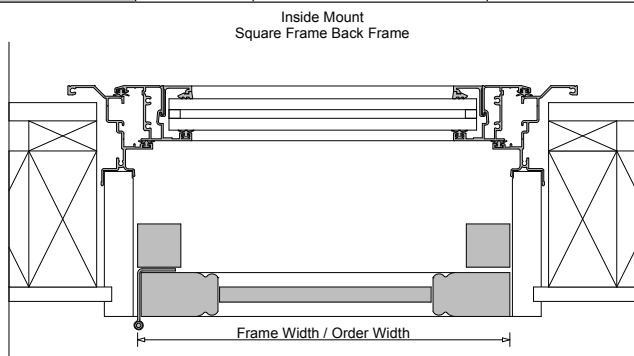
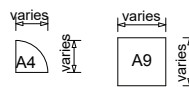
SPECIFICATIONS

PVC Shutters

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

Light Stop

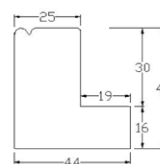
Shutter Type	Type	Frame Options	Benefit
PVC	Light Stop	A4, A9, mm Varies Note: constructed from Basswood not PVC	Provides a light block where panels are hinged.



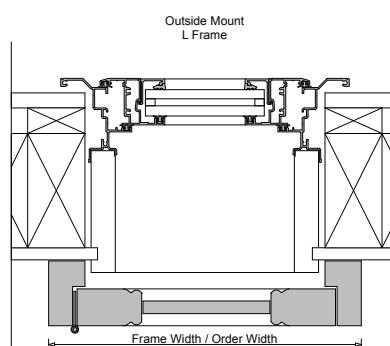
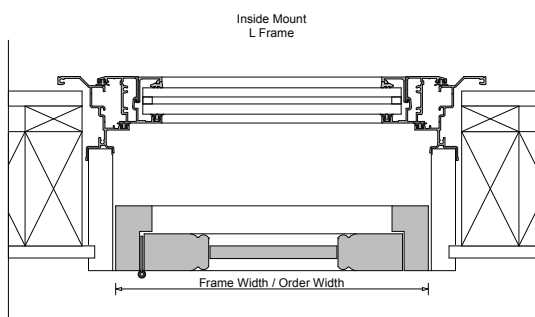
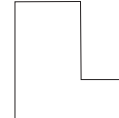
L Frame

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)



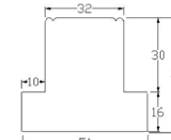
Flat (constructed from Basswood)



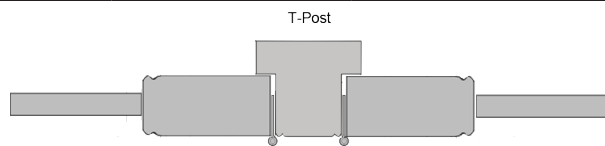
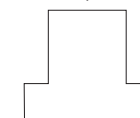
T Post

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

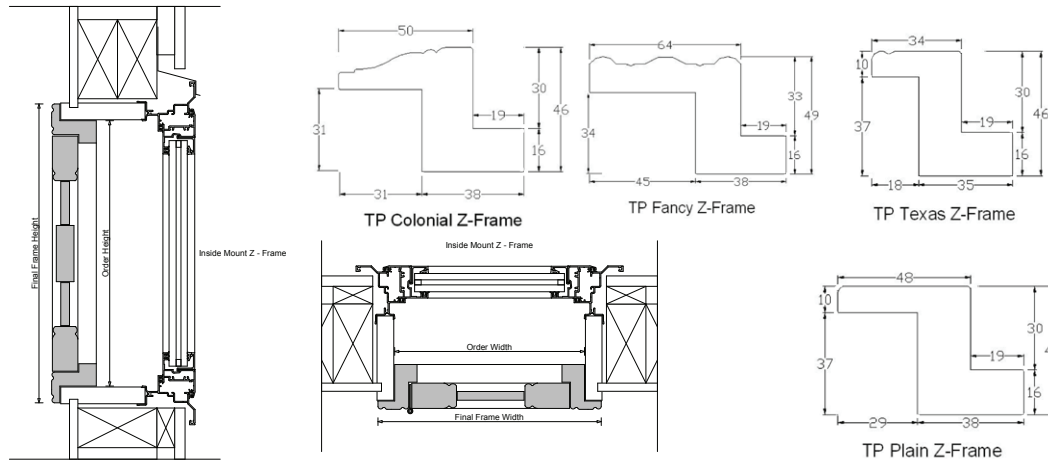
PVC Shutters

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

SPECIFICATIONS

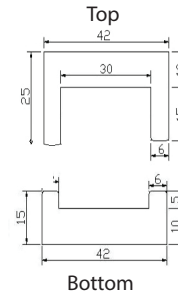
Z Frame

Shutter Type	Type	Frame Options	Benefit
PVC	Z Frame	TP Plain TP Colonial TP Fancy 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



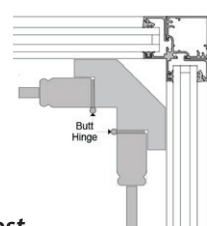
U Channel

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

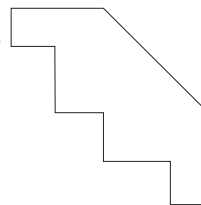


Corner Post

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

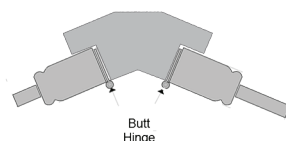


All measurements vary depending on application

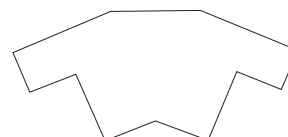


Bay Window Post

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



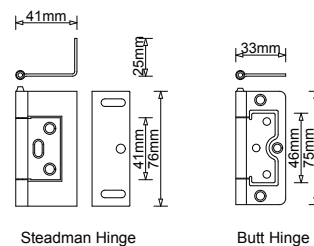
PVC Shutters

Panel types - Hinged, L Frame & T Post Hinged

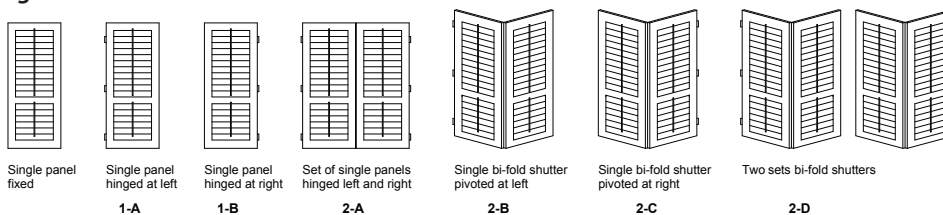
Panel Types

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.

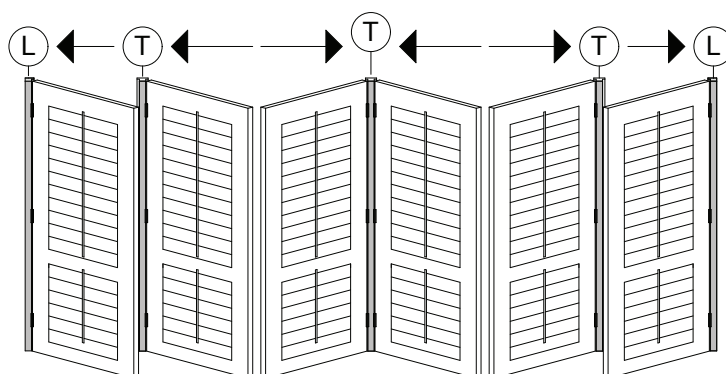
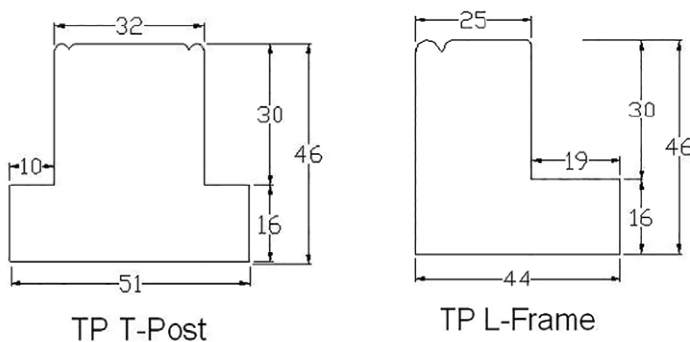


Hinged



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).



SPECIFICATIONS

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

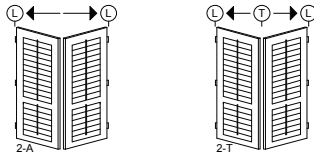
One Panel

Variations:



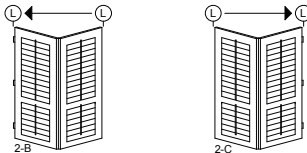
Two Panel - Individually Hinged

Variations:



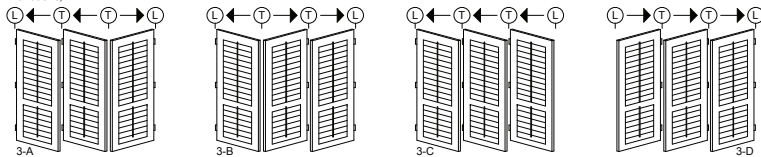
Two Panel - Bi-fold

Variations:



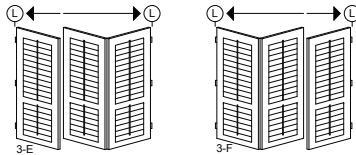
Three Panel - Individually Hinged

Variations:



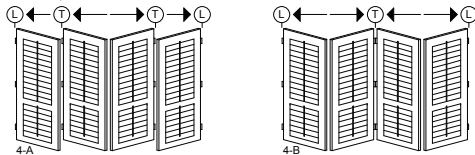
Three Panel - Bi-fold

Variations:



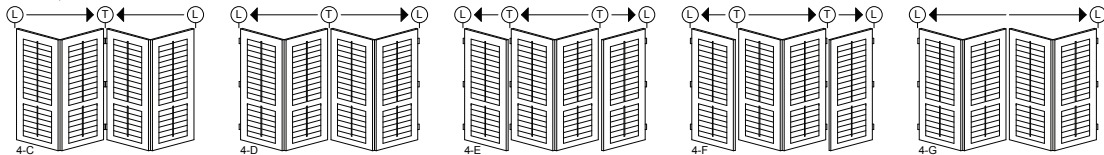
Four Panel - Individually Hinged

Variations:



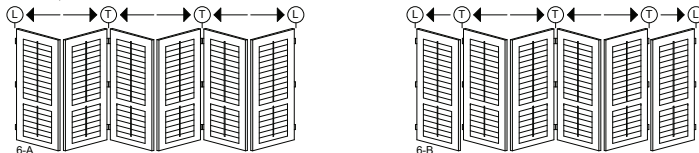
Four Panel - Bi-fold

Variations:



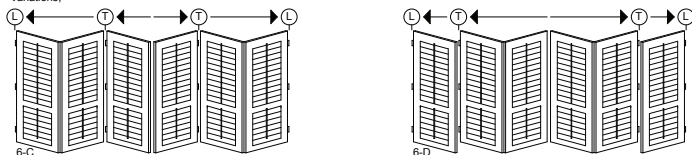
Six Panel - Individually Hinged

Variations:



Six Panel - Bi-fold

Variations:

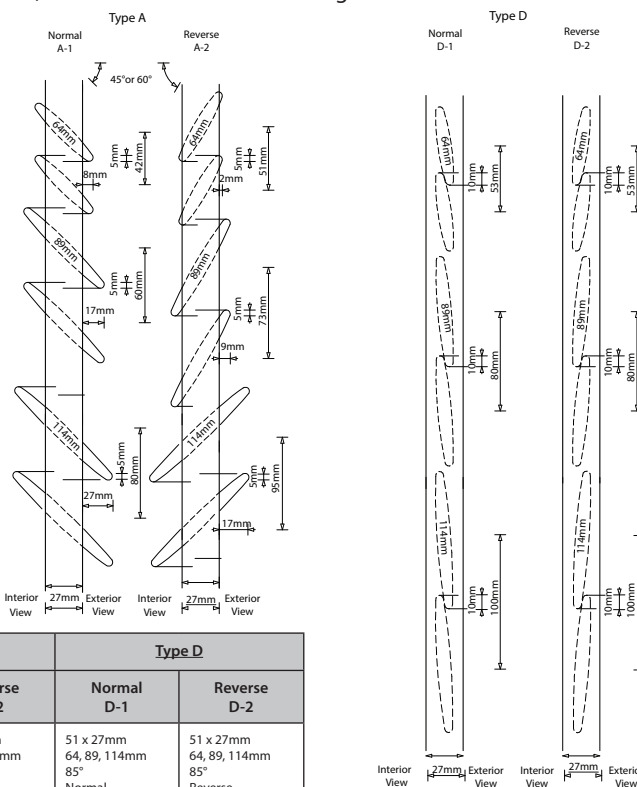


PVC Shutters

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:

Louvre Size			Recess	
Type	Size	Options	Size	Please Note:
Louvre - Aerofoil	64mm x 11mm 89mm x 12mm 114mm x 12mm	Half Open, Fixed, Ventilated, Fixed Non-Ventilated	80mm - 150mm	Varies, depends on Louvre size.

Finish	
Type	Colours Standard colours:
Painted	White, Snow, Swiss coffee, Creamy, Butter, Super white, Pearl white, Eggshell, Pearl, Bristle half, Antique white, White on white or Custom Colour

Width & Height Hinged		Stile & Rails		
Type	Size	Type	Size	Options
Maximum Width	750mm (Single Panel)	Stile	60mm x 30mm	Square D-mould
Maximum Width	500mm (Bi-fold Panel)	Top Rail	70mm - 150mm x 20mm (varies, depends on height of panel)	
Minimum Width	300mm (Single Panel)	Mid Rail	82.6mm x 20mm Shutters over 1500mm 1 mid-rail	
Minimum Height	300mm	Bottom Rail	70mm - 150mm x 20mm (varies, depends on height of panel)	
Maximum Height	2400mm Note: Shutters over 1500mm in height will be constructed with a mid-rail	Tilt Mechanism	Tilt Rod 15.8mm x 12.5mm Clear view concealed Concealed Tilt Mechanism	Tilt Rod (centered, left, right) Clear View Concealed

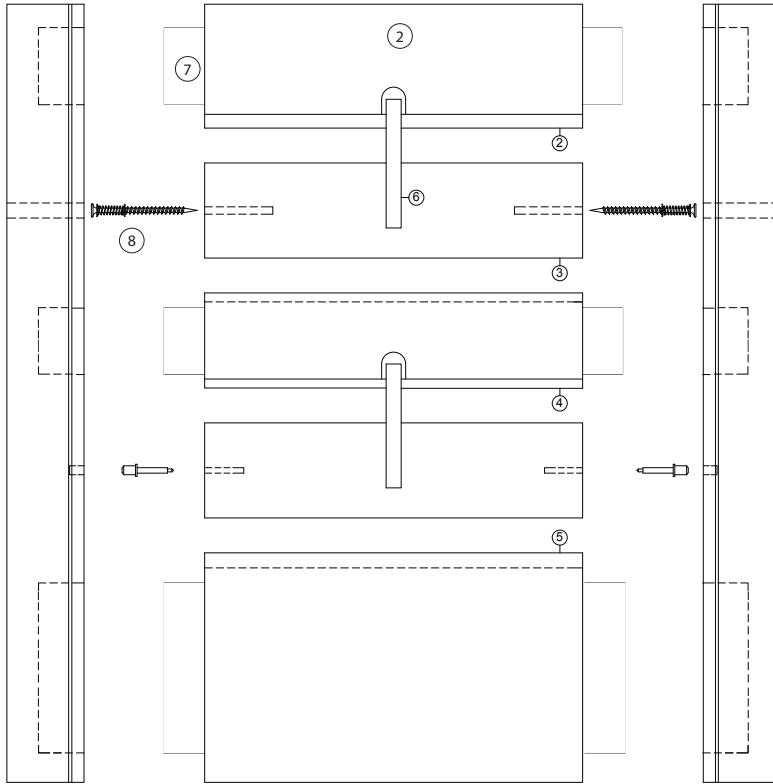
Track Systems		
Type	Multi-fold	Single Run
Maximum Width	500mm per Panel (maximum 8 x Panels on each side)	900mm per Panel (maximum 6 x Panels on each track)
Maximum Height	2400mm Note: Shutters over 1500mm in height will be constructed with a mid-rail	2400mm Note: Shutters over 1500mm in height will be constructed with a mid-rail

SPECIFICATIONS

PVC Shutters

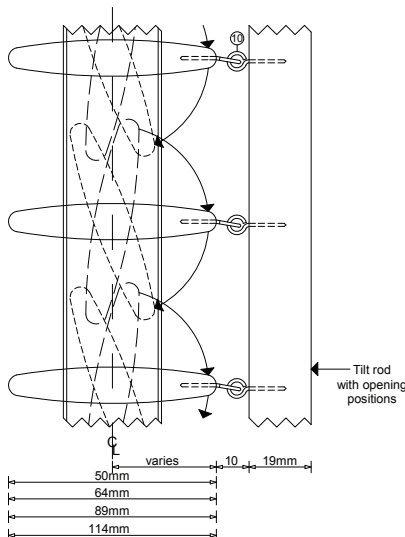
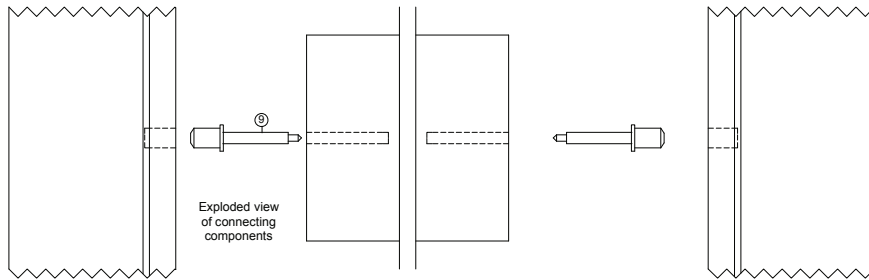
Plantation Construction

PVC Plantation Construction



Component List

1. Stile
2. Top Rail
3. Louvre
4. Mid Rail
5. Bottom Rail
6. Tilt Bar
7. Mortise & Tenon joint
8. Tension Screw
9. Louvre Dowel
10. Eye Screw



Construction

The PVC shutter is constructed using a mortise and tenon joint to join the stiles, middle rail and bottom rail together as one frame. As the shutter height and rail size increase so does the size of the mortise and tenon joint. This strengthens, braces and prevents the frame from twisting, bowing or sagging. The louvres are mounted to the stile using the louvre dowel components, the tilt bar is then mounted to the louvres with the eye screws. The tension screw is then mounted through the stile into the louvre and tensioned. The mid rail must be used when the shutter is over 1500mm in height. This is designed to give greater strength to the shutter frame. The benefit of the mid rail option is that it allows the shutter louvres to have two sections at different angles for privacy, light and airflow. Maximum panel height for PVC shutters with a mid rail is 2400mm, without a mid rail maximum height is 1500mm.

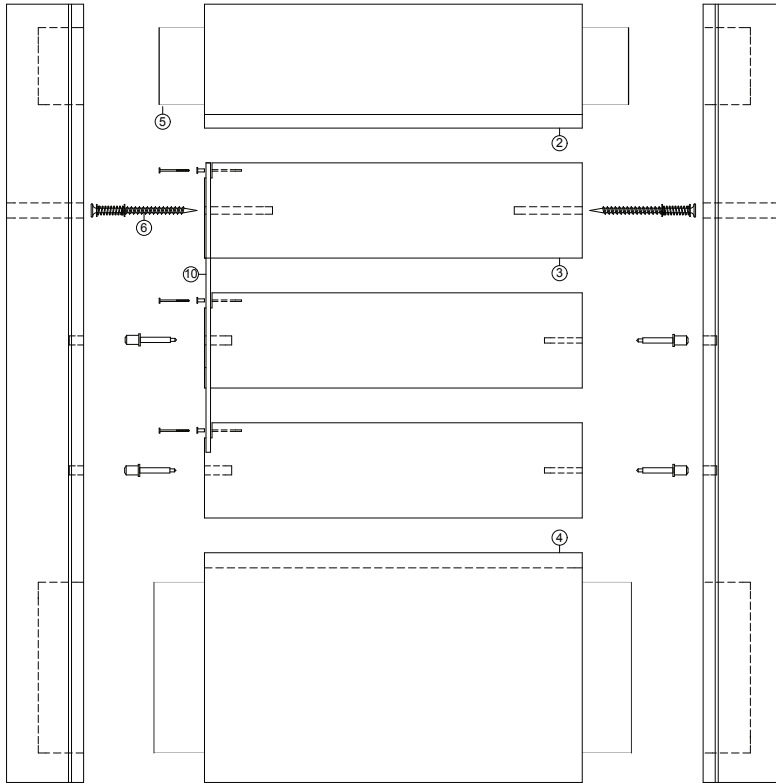
SPECIFICATIONS

PVC Shutters

- Plantation Clear View Construction

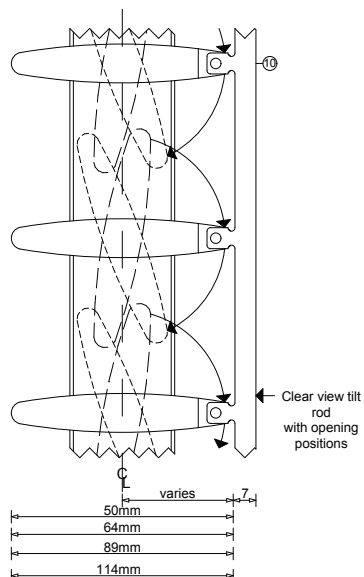
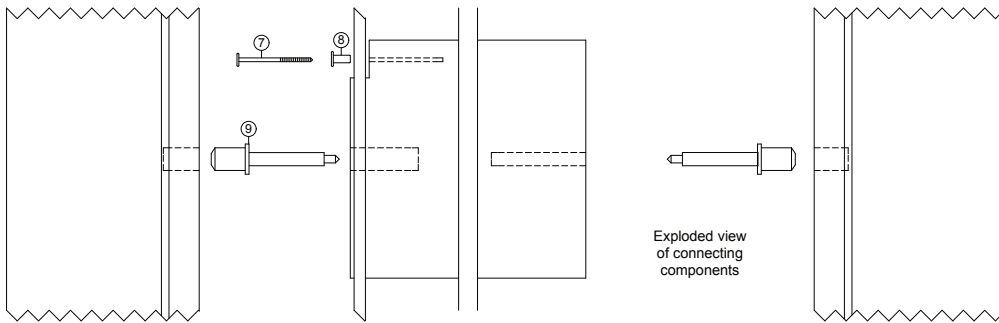
SPECIFICATIONS

PVC Clear View Construction



Component List

1. Stile
2. Top Rail
3. Louvre
4. Bottom Rail
5. Mortise & Tenon Joint
6. Tension Screw
7. SS Nail
8. SS Nut
9. LouvreDowel
10. Clear View Aluminium



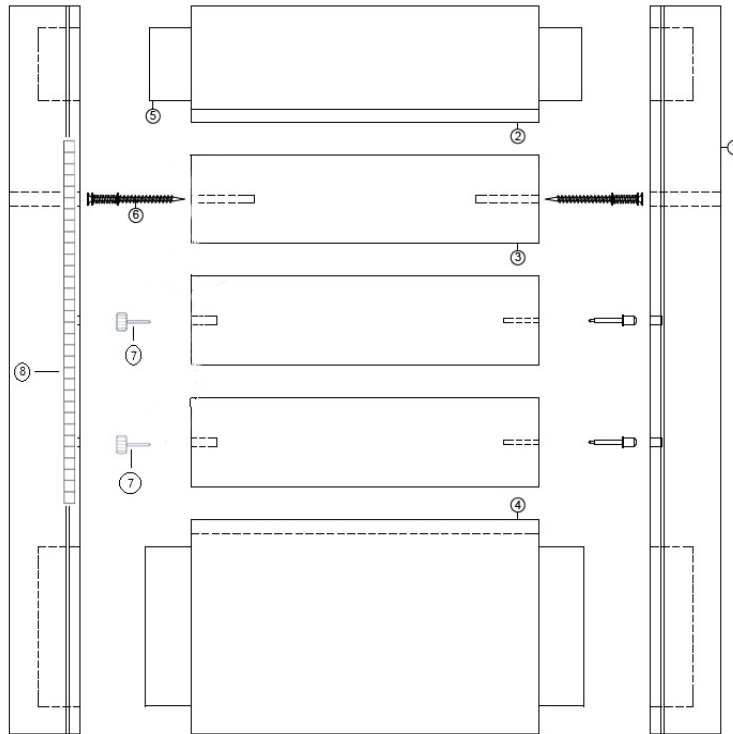
Construction

The Clear View shutter is constructed the same way as the standard Plantation shutter with the exception of the tilt bar which is replaced with the Clear View metal tilt rod option. This tilt bar is rebated into the side of the louvre blade (on the reverse side of the panel) allowing for cleaner lines with unobtrusive view through the shutter when the louvres are open or closed. This option is ideal for sliding shutter applications as this decreases light gap measurements and allows each shutter panel to sit closer to one another.

PVC Shutters

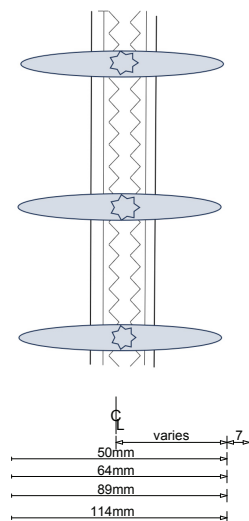
Plantation Concealed Tilt Construction

PVC Concealed Tilt Construction



Component List

1. Stile
2. Top Rail
3. Louvre
4. Bottom Rail
5. Mortise & Tenon Joint
6. Tension Screw
7. Louvre Tilt Pinion
8. Concealed Tilt Rack Mechanism



Construction

The Concealed Tilt Mechanism is constructed the same way as the standard Plantation shutter with the exception of the tilt bar which is replaced with the Concealed Tilt Mechanism option.

The Concealed Tilt Mechanism option for PVC Shutters is enabled via a rack & pinion mechanism which is completely hidden inside one of the shutter stiles. This creates a very clean, minimalistic appearance and is particularly suited when the tilting of the shutters is motorised.

Note: This option is not available for Cedar Shutters

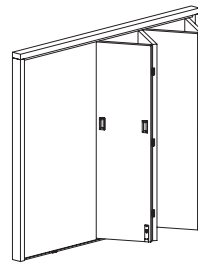
PVC Shutters

Hardware Technical - Tracking systems, Hinges

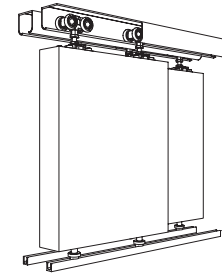
Hardware Overview

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

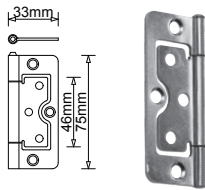


Single Run for straight sliding

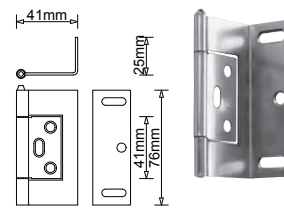
Hinges

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.

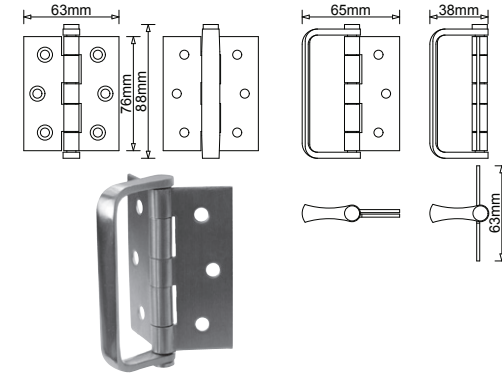
Butt Hinge



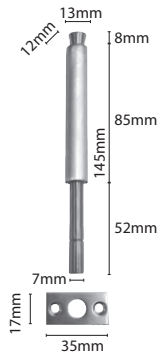
Steadman Hinge



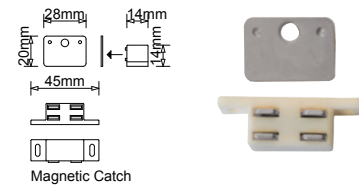
Handle Hinge



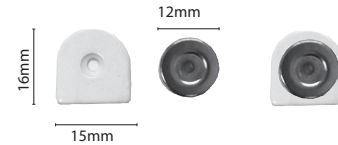
Barrel Bolt



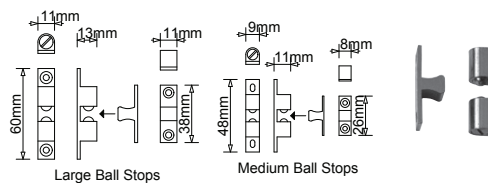
Magnetic Catch



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

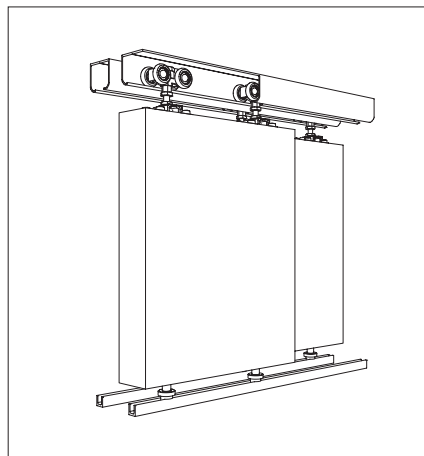


Panel Specification

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.



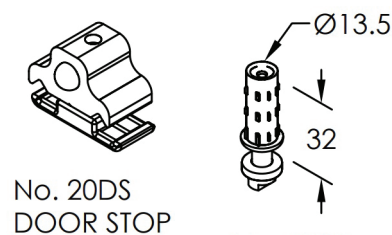
Hardware Specification

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

Door Stop : 20DS (Stainless Steel)

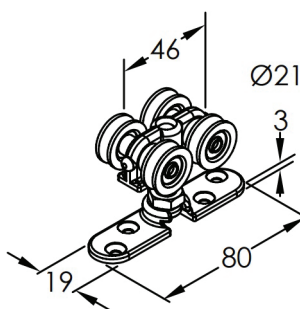
Hangers (2 per door) :
 Interior : No. 57EN Hamger
 Hangers supplied with fixing plate and nylon tyred precision bearings. Vertical adjustment is simple and positive. Nylon tyre wheel hangers should not be used on installation involving temperatures exceeding 80°C.

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

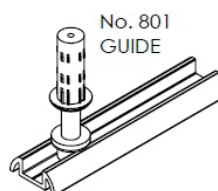


No. 20DS
DOOR STOP

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

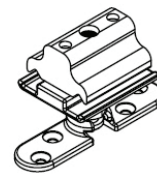
The hanger is fitted with four nylon tyred ballrace wheels. The adjustment bolt is attached to the top plate and secured in place with a blocking clip which allows easy installation. All steel parts are zinc dichromated.

Guide : No. 801S

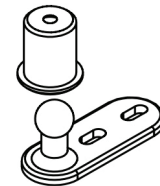
Spring loaded guide for use with No.92 Threshold. Guide is nylon and stainless steel.

Threshold : No. 92

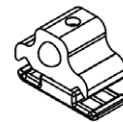
Threshold, aluminium, available in 2100mm, 3000mm, 4000mm, 6000mm



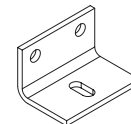
No.21EPNC Top Pivot



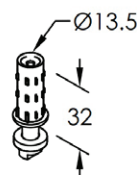
No. 21EPNC PIVOT



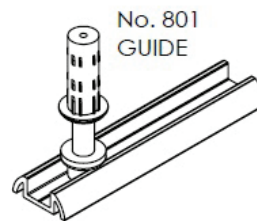
No. 20DS DOOR STOP



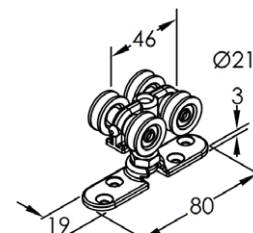
No. ADP1/60 Bracket



No. 801S GUIDE



No. 92 THRESHOLD



No. 57EN HANGER