

SPECIFICATIONS



Vollay V6000 MBF – Motion – Bi-folding System

The V6000 Bi-folding system is an integrated program, which is designed to connect any off the panels from the Vollay™ ranges into a bi-folding system to increase the panel's efficiency and flexibility.

The heart of the system is an OEM manufactured four-wheel trolley supplied by our Melbourne based manufacturer. The trolley is rated at 50kg of load and based on a pressure die-cast chassis to which are attached four wheels that consist of a stainless steel bearings inner and UV resistant nylon wheel.

The wheels run in an extruded aluminium tracking system, which has dual elevated running tracks into which the trolley runs to provide a smooth moving folding panel.

When an opening is outside of normal adjustment, we have developed an adjustable head, which due to its "U" shaped design and telescopic nature allows up to 35mm of additional adjustment to be achieved to square up an opening.

Through the centre of the trolley chassis is a recessed hole to allow a 8mm stainless bolt to pass, which has a set of flat faces on the bolt and allow height adjustment when it engages with the still plugs. Once the correct height is achieved, the stainless steel 8mm half-locking nut is tightened onto the washer to the stile plug.

We have a series of concealed stile plugs, which are installed using the assemble fixing of a panel when the panel is manufactured. These plugs are hidden in the stiles and provide a level of superior fixing strength, which a retro fitted top plate cannot provide.

Using stile plugs in the bottom of the panels, we are also able to use our bi-folding roller guide which consists of a UV resistant black nylon roller, secured with the same 8mm stainless steel to roll in either or "U" channel, which is able to be in-bedded into the floor or the "M" track which allows the track to be fitted to an existing flooring that is not being a trip hazard.

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To secure the panel against the jamb, we have a spring-loaded top stile plug that snaps into the top bi-fold pivot within the tracking. At the bottom of the jamb we have bottom pivot, which fits inside the tracking and is the basis of the first pair of panels.

The first panel then hinges off this jamb panel using stainless steel hinges, is connected to the top track using a four-wheel trolley and a bottom roller guide. It is recommended that panels then hinge off the first pair in batches of two to ensure no free-swinging panels.

When you require securing a panel in place on the track, we are able to use a concealed flush bolt, which is able to extend a nylon tipper rod into either the top or bottom track to secure the bi-folding panel in place.

Aluminium shall be extruded to Australian Standards AS 1866:1997.

Aluminum sections shall be powder coated to AS 3715-2002.

Aluminum sections shall be anodized to AS 1231-2000 and complies with corrosion resistance as per AS1580.457.1.

All fixings, bolts, screws and Pivots are manufactured from Stainless Steel.

All plastic parts are manufactured from UV resistant HDPP (High Density Polypropylene) or similar.

Please contact our office for a complete range of CAD drawings or any further assistance.

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