



**Designer Series | Series 616**  
**MAGNUM™ Awning/Casement Window**

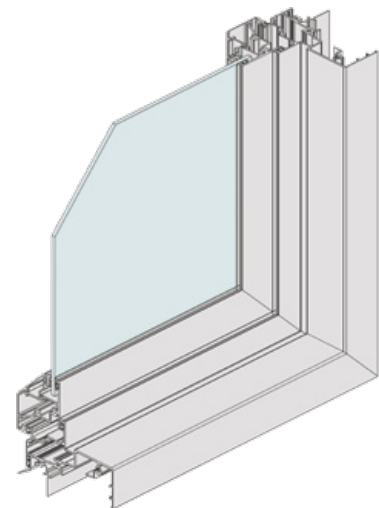


**Overview**

Top line energy performance and sound reduction are hallmarks of the 616 Awning window. Heavy duty sashes can be fitted with double glazing for improved thermal performance and sound dampening. These windows mirror traditional timber windows aesthetically and offer design flexibility.

**Key Features**

- This high performance awning / casement window has been designed to complement our existing high performance range of Designer Series windows and doors.
- The window has been tested for compliance with the relevant Australian Standards and achieved a very high water resistance of 1000Pa, this makes the product suitable for most applications including multi-storey apartments.
- Low air infiltration, makes the product suitable for air conditioned buildings.
- The extra strong sashes allow large sash windows to be fabricated for high wind load areas.
- 102mm frames, mullion and transom have a soft 2mm internal radius.
- Awning sashes can be fitted with cam handles, manual chain winders or concealed electric winders. The winder options suit fixed fly screen installation.
- The window is compatible with Designer Series windows and doors. A large range of snap couplers allow these windows to be joined at 90°, 135° and 180° without unsightly rivets or screws.
- Fixed lowlights/sidelights use the same main frame as the opening awning / casement sashes.
- Sashes and sidelights will accept a variety of glass thicknesses from 4mm single panes to 24mm insulating glass units.



**Casement**

Maximum Panel Height	2100mm
Maximum Panel Width	1210mm
Maximum Glass Thickness	≤ 24mm

*Subject to individual site conditions. Contact AWS Technical Support for information.*

**Awning**

Maximum Panel Height	2100mm
Maximum Panel Width	1210mm
Maximum Glass Thickness	≤ 24mm

*Subject to individual site conditions. Contact AWS Technical Support for information.*



WERS RATED PRODUCT



ENHANCED ACOUSTIC PERFORMANCE



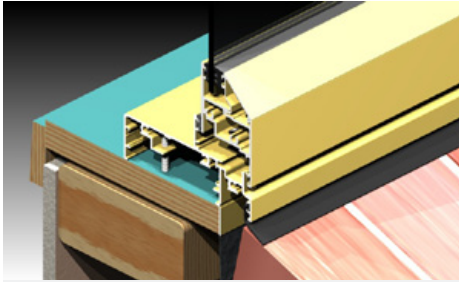
3D & 2D CAD FILES AVAILABLE



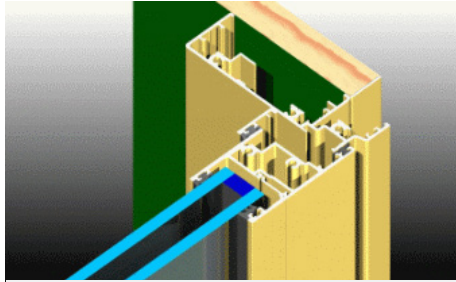
PRODUCT INFORMATION AVAILABLE AT  
[WWW.VANTAGEALUMINIUM.COM.AU](http://WWW.VANTAGEALUMINIUM.COM.AU)



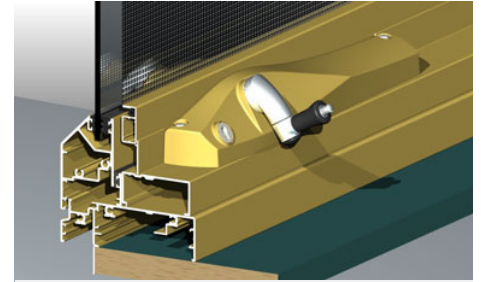
SPECIFIER ASSISTANCE AVAILABLE



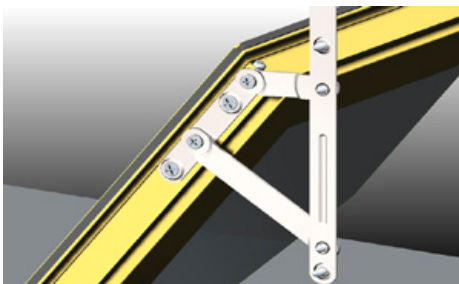
The frame is 102mm thick with 40mm thick sashes that are designed and are strong enough for exposed locations. We have several sash options to choose from - the full range can be viewed on the website.



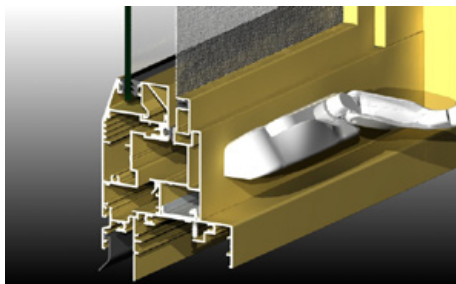
Beaded sashes will accept glass from 4mm to 24mm thick. The picture above shows a 24mm IGU in a standard 102 x 30mm frame.



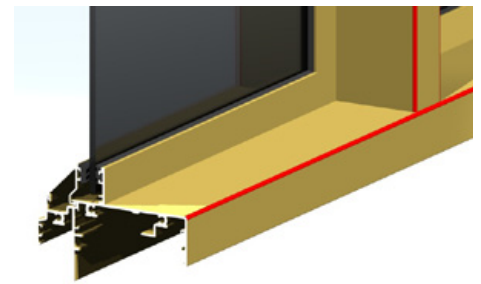
The standard chain winder used on the 616 comes with a stainless steel chain and Polesium™ cover and base. These corrosion resisting features make the winder suitable for exposed locations.



Series 616 sashes are hung on, aluminium or stainless steel, heavy duty four bar stays



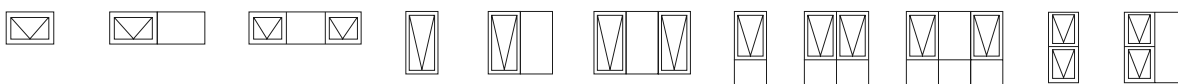
Series 616 can also be fitted with Truth™ hardware.



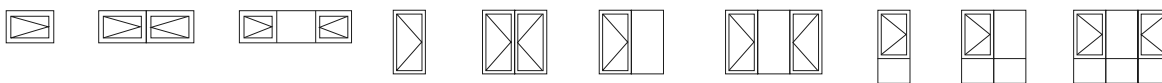
This illustration highlights one of the features of the 616 - the 2mm soft radius on the inner edge. We recess the mullions 2mm to clear the perimeter frame edge radius. This removes the chance of unsightly edge joints.

## Typical Configurations

### Awning Style



### Casement Style



## WERS RATINGS

The table below lists some of the WERS rated glass and frame combinations for this system. For a complete list of all rated glass and frame combinations refer to the Series 616 WERS Data Sheet.

Glass Description	COOLING	HEATING	Uw	SHGCw	Tvw	Inf
5mm Clear	27%	26%	6.6	0.56	0.56	0.12
6.38mm Solace	41%	40%	5.3	0.46	0.51	0.12
6.38mm Comfort Plus	48%	34%	5.3	0.36	0.37	0.12
4Az/10GAP/4EA	58%	40%	4.4	0.28	0.37	0.12
4Clr/10Ar/4EA	46%	53%	4.2	0.46	0.45	0.12