

# SPECIFICATIONS



## Vollay V1000 WBS – Welded Bar System (Mono-Skin Blade)

The screen shall be produced in panels, which will consist of the desired selected parallel blade type spaced at a pitch width to provide the ideal shading or structural requirement of the application.

A wide range of blade types including flat bar widths of 40 x 3mm, 50 x 3mm, 60 x 3mm, 80 x 3mm, 100 x 3mm or a Splayed 45 degree angled blade with a 40mm, 60mm 80mm or 100mm angled face are clamped into a parallel frame which is joined with an extruded aluminium cross member at centre to reflect span and wind loading.

The cross member comprises of an oval shaped solid aluminium extrusion which passed through punched holes in the desired louvre blade of the required flat or splayed louvre at centre which do not exceed 300mm, allowing for the blades to be spaced apart at the desired distance to provide the optimum shading solution.

The cross member is also able to be located both centrally and offset when required to provide the optimum shading system. It is then welded on both sides using a robotically controlled MIG weld using aluminium wire and argon gas to produce a small, strong weld to secure the louvres in place.

The oval shaped hole is available in a range of lengths to allow the system to angle the louvre blade to provide a blade profile to enable access to the winter sun while providing shading in summer.

Panels are then attached using a range of welded tab options to the ends of the blade or even blades; the use a suitable angle that acts like a flange; a range of standard fixing including either our 100mm diameter aluminium "J" hook with a stainless steel nyloc nut; or our range of extruded "M" style aluminium brackets which clamp over the blades to attach to the structural members or one of our many bracket options.

A wide range of standard bracket design are available to choose from, but is required custom bracket design option is also available from our in-house design team, which is supported with the latest CAD software.

## LOUVRES SOLUTIONS FOR ALL SEASONS



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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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