



## SENTRY® PERMANENT GUARDRAIL SYSTEM

The Sentry Permanent Guardrail System provides the highest level of safety for maintenance personnel when working at heights and other fall risk areas. Sentry ensures controlled access within these areas protected by the permanent guardrail system. Sentry Guardrail is fully adjustable and adaptable to suit any location, complemented by a complete range of prefabricated fixtures and fittings.

- > Prefabricated, modular guardrail system ensures rapid installation
- > Lightweight, high strength construction
- > Neat appearance, can be powdercoated to suit surrounds
- > Adaptable to suit any application
- > No need for ongoing assessment and recertification
- > Highest level of fall protection safety

### SPECIFICATION CODE

Sentry Guardrail System (GW300)

## Specification Summary

Supply and install the proprietary Sentry Guardrail System as per manufacturer, Sayfa Systems, recommendations. Sentry Guardrail to incorporate high strength profiled aluminium with fully modular and adjustable system componentry to suit attachment to metal roof deck, steel structure and concrete surfaces. (Refer instruction manual.)

## System Applications

- > Ideally suited to areas requiring frequent access by maintenance personnel
- > The positive barrier system provides fall protection to plant and machinery requiring periodic access
- > Ensures safe access to gutters and other unprotected fall edges
- > Can be installed in conjunction with the On-Trak Walkway System – ideal for general roof walkway systems and fire escape
- > Easily retrofitted to existing stairways, platform systems, metal roof deck, concrete and steel structure

## Technical Data

### Material

Post Assemblies, Hand & Kneerails – profiled structural aluminium with option for powdercoating  
 Universal Elbows & End Caps – Die cast aluminium

### Dimensions

Handrail Component – 50mm diameter section mounted 1000mm to 1100mm above floor surface  
 Kneerail Component – 40mm diameter section mounted 450mm below handrail  
 Post Component – 60mm x 40mm RHS section, post length 950mm to 1100mm above floor surface  
 Post Spacing – Max 2.0m intervals

### Weight

2kg / m (approximate)

### Fixings

Metal fixing – M12 bolt set  
 Concrete fixing (min 25 MPA) –  
 M12 / 85mm mechanical concrete anchor  
 Metal roof deck fixing (min 0.42 BMT) –  
 5mm construction grade Bulbrite rivets  
 Handrail to post fixing – 12-14 / 20mm Tek screw  
 Kneerail to post fixing – 12-14 / 50mm Tek screw  
 (Refer instruction manual.)

## Working Load Limit

1.2kN applied horizontally mid span between posts at 2.0m spacing.

- > Support structure integrity, suitability and fixing method to be assessed and determined by a competent person prior to installation

## Compliance

Sentry Guardrail is designed and manufactured to comply with Australian Standard AS1657:1992 and relevant statutory OHS Codes of Practice/Guidelines.

## Testing

Testing and performance based on requirements of Australian Standard AS1657:1992.

- > Static load tested – 1.2kN applied horizontally on handrail component mid span between posts at 2.0m spacing

## Product Warranty

3 years from date of purchase subject to correct installation, use and maintenance in accordance with manufacturer's specifications and recommendations (Refer instruction manual.)

## Inspection and Maintenance

Visual inspection for any damage or loose fixings must be done periodically and prior to use. No certified maintenance is required. Basic wear and tear preventative maintenance is recommended, as per manufacturer's specifications and recommendations. (Refer instruction manual.)

## Important Note

Failure to supply and/or install proprietary product in accordance with above standards and codes, specifications and instructions voids complete system certification and/or warranty.

## Technical Support

### Sayfa Systems

T \ 1300 301 755

F \ 1300 881 092

E \ [technical@sayfa.com.au](mailto:technical@sayfa.com.au)

W \ [www.sayfa.com.au](http://www.sayfa.com.au)

*Designed and manufactured by Sayfa Systems  
 20.04.2011*