

SENTRY GUARDRAIL SYSTEM SPECIFICATIONS

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 componentry 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

**"NEVER HAS SAFETY IN
THE WORKPLACE HAD
A HIGHER PRIORITY"**



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Handrail



Kneerail



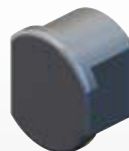
Post kit



Adjustable corner



Handrail end cap



Kneerail end cap

FEATURES AND BENEFITS

The Sentry Guardrail System ensures controlled access within specific areas protected by the permanent guardrail system:

- > Prefabricated modular system – ensures simple, rapid installation.
- > Fully adjustable/adaptable fixtures and fittings – no on site welding required
- > Suits varied mounting applications
- > Minimal componentry – cost effective, reduced on site labour
- > High strength aluminium construction – lightweight and user friendly
- > Unobtrusive appearance – with option for powdercoating to blend in with surroundings



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INNOVATIVE, MODULAR ROOF ACCESS AND FALL PROTECTION SYSTEMS



APPLICATIONS

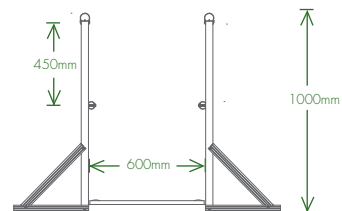
The Sentry Guardrail System is ideally suited to areas requiring frequent access by maintenance personnel. The System provides:

- > Fall protection to plant and machinery requiring periodic access.
- > Safe access to gutters and other unprotected fall edges
- > A positive barrier system - ideal for fire escape and general roof walkway systems
- > Can be installed in conjunction with the On-Trak Walkway system
- > Easy retrofitting to existing stairways, platform systems, metal roof deck, concrete and steel structure

INSTALLATION

The Sentry Guardrail System is designed for rapid installation making use of simple modular componentry. Standard componentry used in the system includes:

- > Handrail section
- > Kneerail section
- > Post assembly
- > Universal elbows
- > Accessories - end caps, closure bends, swing gates, etc.



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SENTRY SPECIFICATION GUIDE

Supply and install the proprietary Sentry Guardrail System as per manufacturer 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.)

PRODUCT AND SPECIFICATION CODE

Sentry Guardrail System (GW300)

MATERIAL

Post Assemblies, Hand & Kneerails - Extruded high-grade structural (6106/T6) aluminium with options for powdercoating
Universal Elbows & End Caps - Die cast aluminium

DIMENSIONS

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

WEIGHT

2 kg / m (approximate)

FIXINGS

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

WORKING LOAD LIMIT

1200N applied horizontally mid span between posts of 2.0 m spacing.

COMPLIANCE

Sentry Guardrail is designed and manufactured generally in accordance with requirements of Australian Standards AS1657:2018 / AS/NZS1892.1996 and relevant statutory OHS Codes of Practice/Guidelines.

TESTING

Testing and performance based on requirements of Australian Standard AS1657:2018.
Static load tested - 1.2kN applied horizontally on handrail component mid span between posts at 2.0 m spacing

PRODUCT WARRANTY

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

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 and tear preventative maintenance is recommended, as per manufacturers' specifications and recommendations.
(Refer instruction manual.)