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 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"
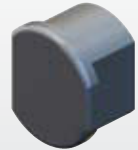
SENTRY®

Handrail

Kneerail

Post kit

Adjustable corner

Handrail end cap

Kneerail end cap

THE SAYFA WAY

SAYFA Systems is an Australian owned company which leads the market in design, production, supply and installation of quality and standards compliant Height Safety, Access and Fall Protection systems and solutions.

Our extensive range of products and services are well suited to industrial, commercial and domestic applications, providing a high level of safety and confidence for all personnel involved in the workplace. Having gained first hand experience and understanding of product requirements, being actively involved in the day to day industry activities, we are able to incorporate that vital 'know how' into the design and development of innovative, easy to install and user friendly systems.

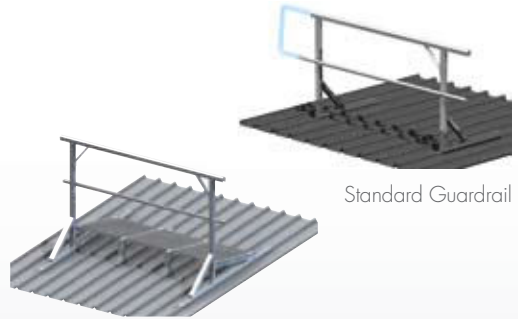Sayfa is committed to excellent customer support at all levels - client, installer and user.

FEATURES & 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 & 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

Standard Guardrail

Levelled Walkway with Guardrail one side

Walkway System with Guardrail two sides

APPLICATIONS

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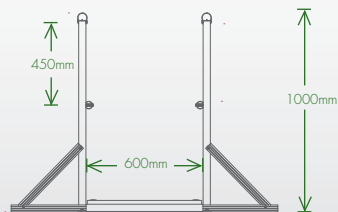
The System provides:

> 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.

450mm

1000mm

600mm

SENTRY
SPECIFICATION GUIDE

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.)

PRODUCT & 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 – 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 Bulbtite 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
1200N applied horizontally mid span between posts of 2.0m 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 2.0m spacing

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

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.)

Designed and manufactured by Sayfa Systems 23.05.2018.

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