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# FRP HANDRAIL & STAIR SYSTEM

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## Fiberglass Handrail & Stair System

Real Safety Handrail Systems now offer various solutions for different situations. All systems are designed and tested according to the relevant standards.

Systems are designed to satisfy both the End User in terms of performance, as well as the Contractor in terms of ease of installation and costs.

### We provide:

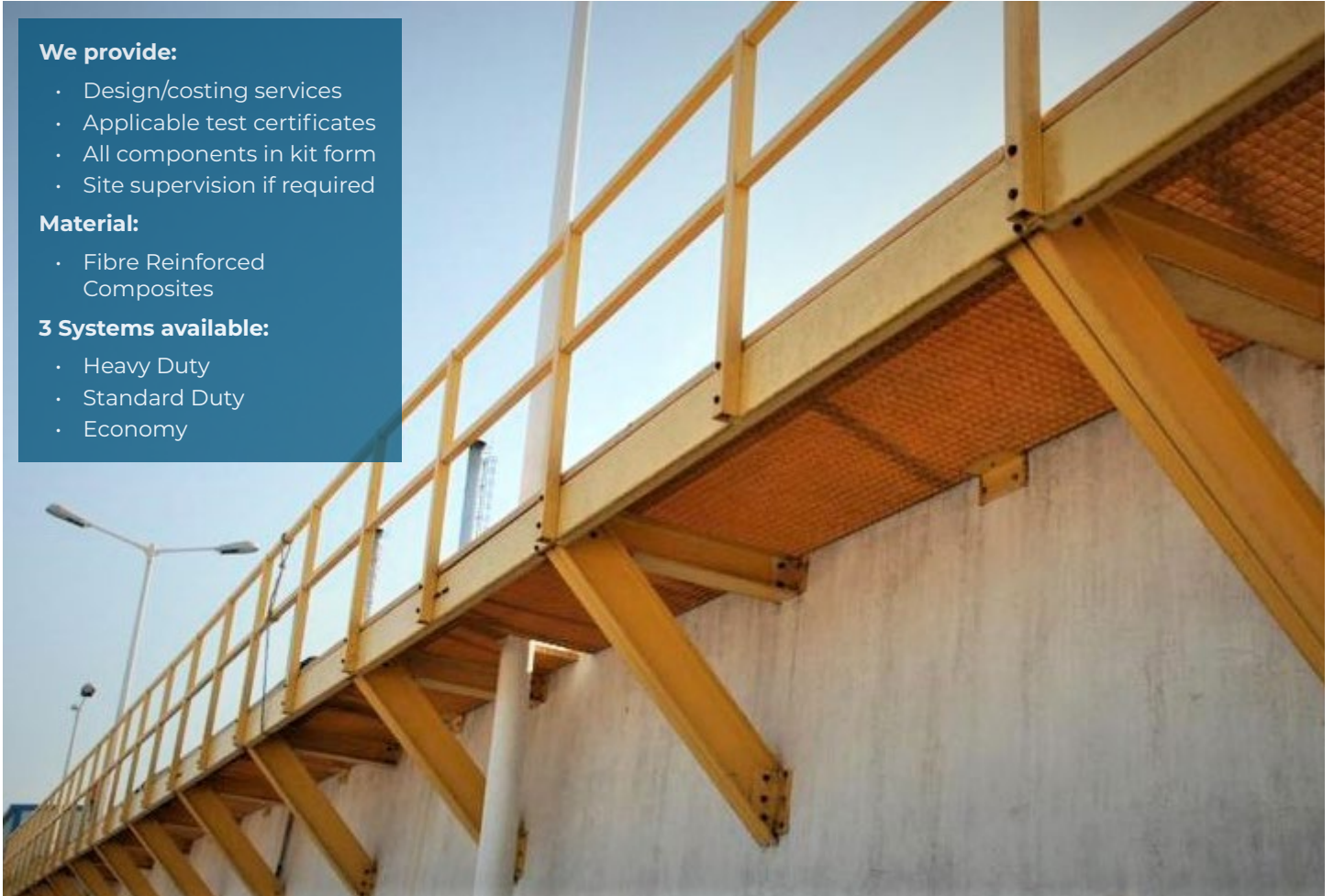
- Design/costing services
- Applicable test certificates
- All components in kit form
- Site supervision if required

### Material:

- Fibre Reinforced Composites

### 3 Systems available:

- Heavy Duty
- Standard Duty
- Economy



### Advantages

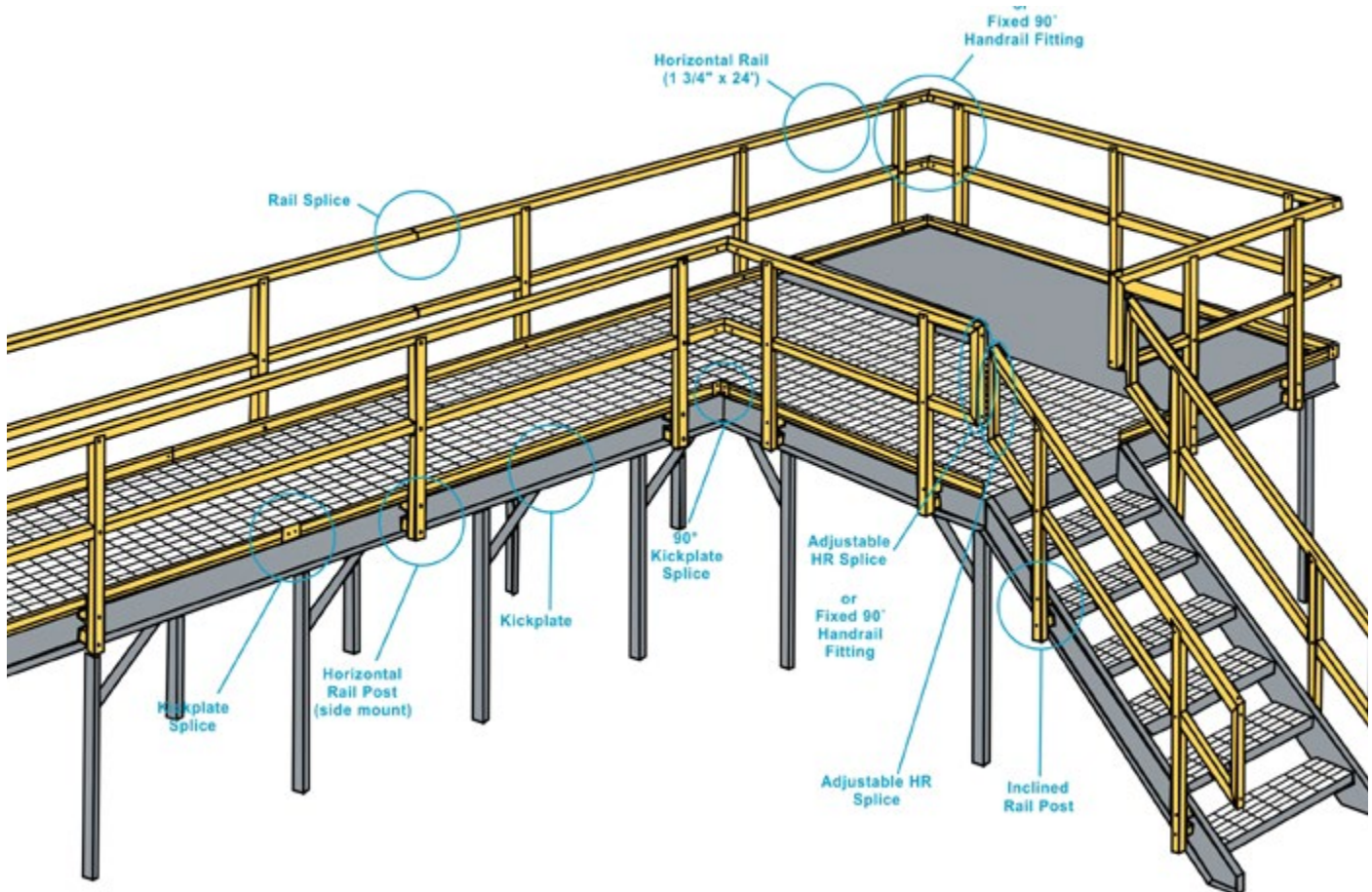
- Modular for ease of installation
- Lightweight to increase tempo of installation
- Strong enough to take load
- Corrosion resistant
- Thermally non conductive
- Performs well in subzero temperatures
- Fire Retardant
- UV Protection
- Electronically Transparent

### Applications

- Bridges & Highways
- Chemical Industries
- Commercial Complex
- Metals & Mining Industries
- Microelectronics
- Offshore & Onshore
- Oil & Gas
- Power
- Paper & Pulp
- Water & Wastewater
- Transportation
- Power and many more

## Fiberglass Handrail & Stair System

Both horizontal and inclined posts and rails are permanently joined using rivets and an epoxy compound. Real Safety modular rails can be set at any angle to the post, from 39° to 180°, using supplied cover plates. Straight splice kits are equally easy to incorporate, joined by either a riveted connection or a nut and bolt assembly. Real Safety modular posts are designed for conventional side mounting, and kits are also available for installation of either top mount stanchion bases or removable concrete-embedded bases.



### Handrail configuration

All systems comprise of the following basic elements:

- Hand rail
- Knee rail
- Toe plate
- Stanchion
- Floor fixing mechanism
- Connectors/splice sections

### Order details required

- General layout drawing or sketch
- Mounting preference: side mounted, top mounted or imbedded
- Color: normally yellow or grey
- Handrail height
- Design criteria

### Basic design parameters

- Max stanchion centre to centre spacing of 1500 mm.
- Min. height above walking surface of 1100mm.
- A minimum service load of min=300N/mx max distance (m) between stanchions.

### Design criteria

Real Safety Handrail Systems are designed and tested for application standards.





# Fiberglass Handrail & Stair System

## Other applications of handrail & ladder

Real Safety has always focused on providing good solutions to various industrial applications.

### Crossover



This application is very common in industries having long conveying lines. The crossover helps to shorten the distance of travel across conveying lines. Additional platforms can also be designed as standing area.

### Elevated ramp with handrails



It is always useful to have ramps instead of stairs when there are no space constraints. Ramps are useful at entry and exit areas, where materials are shipped in and out with the help of manual fork trolleys.

### Guard rails



Real Safety Guard Rails are 100% modular and easy to use. We manufacture customised hand-rail and conveyor/machine safety guards that are light weight, corrosion resistant and complying with industry standards. Our products are easy to remove for access and cleaning purposes.

### Mobile check post



The Mobile Check Post is a simple, yet very helpful application. It is widely preferred as a temporary Vehicle Check Post, surveillance aid at exhibitions, funfairs, conventions, public gatherings, airports, traffic areas etc.



# Fiberglass Handrail & Stair System

## Assembly & Mounting details for handrails



**ASSEMBLY MODEL :**  
**ASH-101**



**ASSEMBLY MODEL :**  
**ASH-102**



**ASSEMBLY MODEL :**  
**ASH-103**



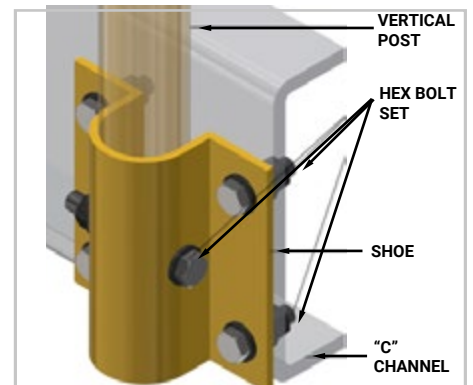
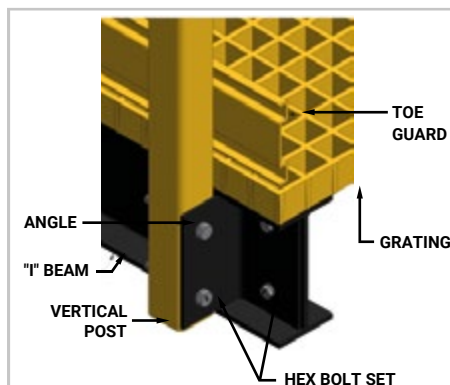
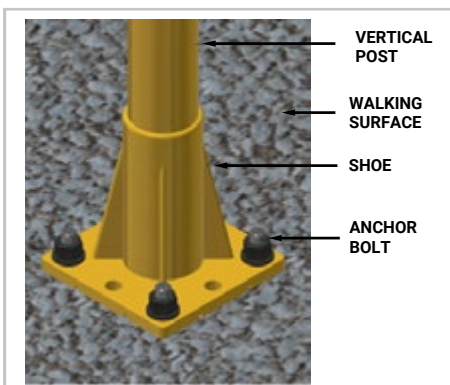
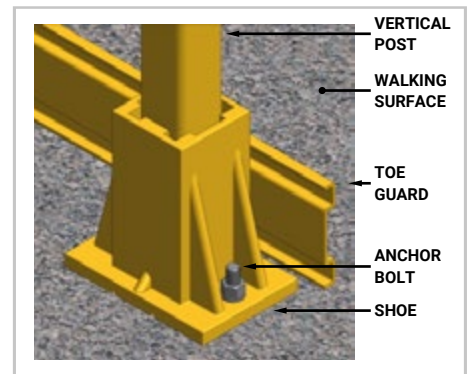
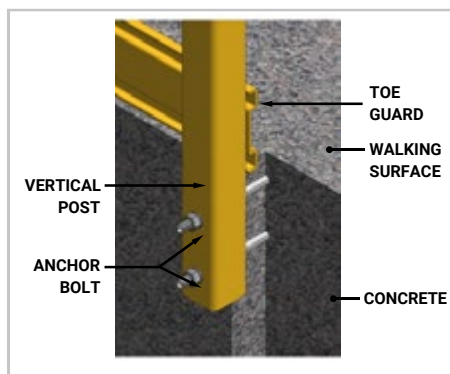
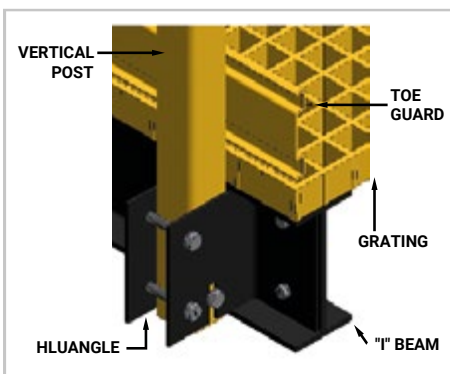
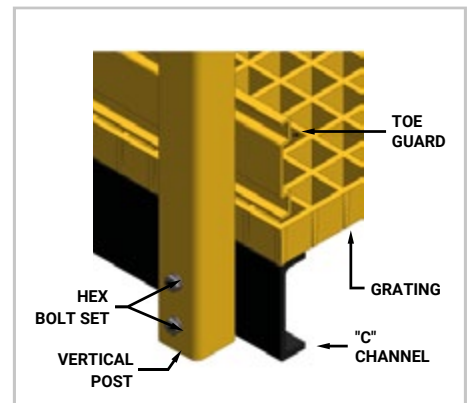
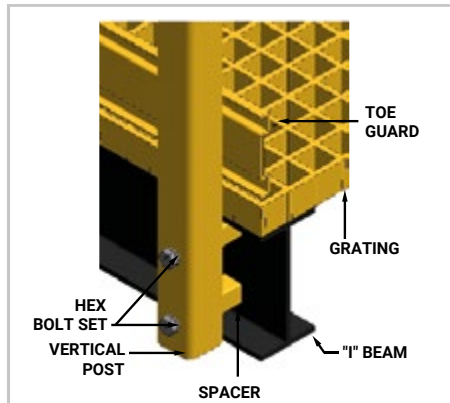
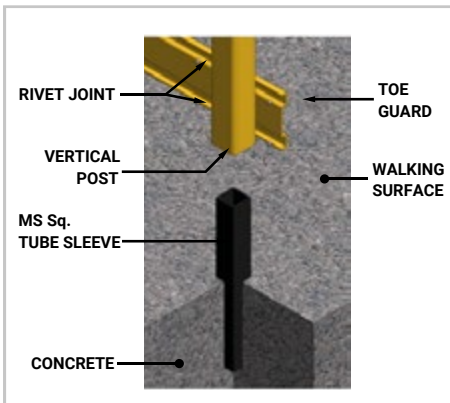
**ASSEMBLY MODEL :**  
**ASH-104**



**ASSEMBLY MODEL :**  
**ASH-105**

Contact Our Sales Team For Customized Specification

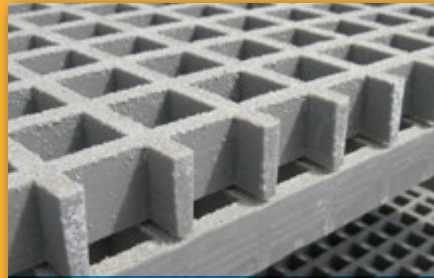
## Vertical post mounting details







FRP CABLE TRAY



FRP GRATINGS



FRP PROFILE



WALKWAY COVER



LADDER RUNG



STAIR TREAD



FRP HANDRAIL



DRILL FLOOR MAT



SAFE ESCAPE