

# HANDRAIL SOLUTIONS

## APPLICATIONS



**Safety** - Guardrails & Handrails, Walkways, Disabled Access, Machine Protection, Security Screens



**Retail** – Garment Rails, Shopping Trolley Bays, Display Shelving, Tables, Market Stalls



**Display** – Exhibition Stands, Display Boards, Tables, Signage



**Playground** – Indoor and Outdoor Play Areas



**Unique** – Beds, Furniture, Computer Gaming Stations, Garden Displays

## TUBECLAMPS RANGE INC DDA

- Hot Dipped Galvanised (to BS EN ISO 1461) malleable cast iron fittings complete with setscrews
- Meets specified loadings up to 1500 N/m
- No special skills needed, no welding, no threading only a hexagonal key to tighten grub screws
- Fittings are available for Flat, Level and Sloping up to 45 degree
- Off the shelf availability
- Size available – Outside diameter - 26.9mm, 33.7mm, 42.4mm, 48.3mm and 60.3mm
- Our specialist DDA range is designed to meet the requirements laid down in the Equality Act 2010 by providing a solution that complies with Part 'M' of the Building Regulations 2004 and features smooth continuous handrails. Handrail Tube for DDA is 42.4mm Dia with Uprights of 48.3mm.

## HANDRAIL STANDARDS

### APPLICATIONS

**Safety – Guardrail & Handrails, Stairways, Gantries and Mezzanines and adaptable to suit most industries**

### Hand Rail Standards

- Available to suit Tube 25NB (33.7 o/d) 32NB (42.4mm o/d) and 40NB (48.3mm o/d)
- Ball Diameter 63mm, 75mm and 90mm,
- Associated Fittings (Joiners, Elbows, Wall Flanges, End Caps)
- Fabricated Bends (Return Bend / 90 Deg / Stair / Ramp)
- Kickplate & Components
- Available in Galvanised and Self-Colour

### Hand Rail Tube to suit required diameter



## GLASS REINFORCED PLASTIC (GRP) RANGE

### Handrail Modular Components supplied loose and built up on site

- Supplied in 50mm Dia - Colours Yellow (RAL 1003) or Grey (RAL 7035)
- A range of fittings including Elbows, Corners, Tees, Crosses and Bases are available
- Strong, lightweight, durable and warm to touch
- Life expectancy 20+ years
- Meets the required standard for Flooring and Handrails for General Duty (0.36Kn/m) and BS4592:0 2006+a1 2012 Industrial
- Tested based on a standard 1.100mm High Upright with Bay Centres at 1.250mm
- Handrail Tube to suit above in 5.000mm standard lengths



### Bespoke Modular Handrails (Colour Yellow & Grey)

- Can be designed individually to suit tailored GRP Platforms and Walkways with no limit to the variety of designs
- Uprights Square Tube - 60mm x 60mm x 4.5mm
- Handrail Ergonomically shaped
- Knee rail(s) Tube 38mm
- Handrail Profiles can be delivered as 6.000mm standard lengths
- Maximum distance between Posts should be 1.200mm at Horizontal load 500 N/m and maximum distance 1.500mm at a horizontal load of 300 N/m
- Can be provided as pre-assembled with assembly instructions

## SECTORS UTILISING GRP PRODUCTS

### Offshore and Renewables



### Automotive Manufacturing



### Power Generation Industries



### Railways and Highways

