

GRP Handrail Tube

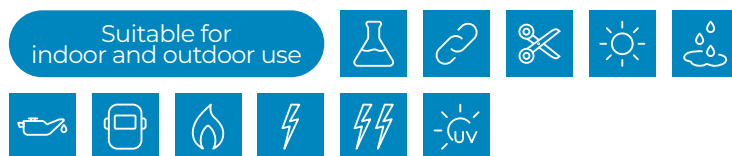
GRP handrail tube is a lightweight, non-conductive, corrosion-resistant pultruded round tube manufactured from glass reinforced plastic (GRP). It cuts to size and installs with minimal tooling, keeping labour costs down across a wide range of project specifications.

Commonly used as a handrail tubing along pedestrian walkways and staircases, or applied as a guardrail or gateway. It serves as a standalone solution or part of a wider safety system across sectors, including rail, offshore, construction and data centres.

Designed to be durable and fire-retardant, GRP handrail tube requires no regular treatment or replacement and is low-maintenance.

Features

- ◆ **Typical applications:** With non-conductive properties, commonly used as a handrail and or within guardrail systems across construction sites, offshore environments, railway settings, data centres, and work platforms.
- ◆ **Material:** GRP - Glass Reinforced Plastic, Isophthalic FR resin.
- ◆ **Cleaning:** Wash with water and a stiff brush if required. For tougher dirt and grime, a gentle pressure wash can be applied.
- ◆ **Sustainability:** REACH compliant.



For more information about this product or, to place an order [click here](#)

Code	Metric	Thickness	Weight	Colour
GHTS05YL-1003-6000	50mm x 5mm	5mm	8kg	Yellow

Please note, cutting tolerance +/- 3mm

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Technical Specification

Chemical resistant: Yes

Connectable: Yes, separate components required

Cut to length: Yes

Dry area: Yes

Wet area: Yes

Oily and greasy area: Yes

Welding area: Yes

Environment: Suitable for indoor and outdoor use

Flame retardant: Yes

Non-conductive (Electrical): Yes

Non-conductive (HV Electrical): Yes

Product testing:

- ◆ Fire classification - EN 13501: Class B s1 d0 f
- ◆ Laboratory baseline material data:
 - ◆ Effective flexural modulus, E – 26 GPa
 - ◆ Tensile modulus – axial – 35 GPa
 - ◆ Flexural strength – axial - ≥ 340 MPa
 - ◆ Tensile strength – axial - ≥ 380 MPa
 - ◆ Interlaminar shear strength – axial - ≥ 25 MPa
 - ◆ Interlaminar shear strength – transverse - ≥ 10 MPa
 - ◆ Service bending stress screening limit - 120 MPa
 - ◆ Density range - 1700 - 2000 kg/m³
 - ◆ Barcol hardness - >45
 - ◆ Water Absorption, 24h - $\leq 0.45\%$

Sustainability: REACH (Registration, Evaluation, Authorisation and Restrictions of Chemicals)

UV resistant: Yes

Cleaning: Using a stiff brush will normally be sufficient to remove everyday dirt and debris. For more stubborn dirt, wash with warm water and a mild detergent, or a pressure washer on a low-pressure setting can also be used

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Size - 50mm OD x 5mm wall

