



Our modular handrail system is a versatile, tough and strong alternative to steel Key-Clamp type systems.

The modular system is based on a 50mm o.d pultruded tube, 5mm thick for real strength and toughness and joined together by a range of specifically designed GRP moulded fittings to create the complete handrail system. The tube can be quickly cut to length on-site to make the handrail stanchion, hand and knee rails with the matched pairs of moulded fittings clamping around the tube to complete all the joints. The fittings are mechanically fixed to the tube with a through bolt, or self tapping screws or rivets. For additional security the fittings can also be adhesive bonded using single or two pack adhesives.

GRP Grating Systems have developed a special flat head screw that is recessed within the moulded fitting retaining the smooth surface for safe uninterrupted hand hold and no snagging on clothing. It is also available in a special tamperproof style. The modular handrail system has been independently tested at the Engineering Dept of Lancaster University who have confirmed that it is fully compliant with the handrail design load requirements of BS4592 – Industrial Flooring, Stair Treads and Handrails

**The handrail system offers benefits of:**

Light weight	easy to carry to difficult to access locations
Simple to assemble on site	avoiding multiple site visits to measure up, prepare detailed drawings and assembly off-site in difficult to manoeuvre sub-assemblies. Tubes all cut square – no mitre or difficult angles to cut
Only hand tools required for assembly	No local power supply issues and no hot work permits required
Tough and strong	Well suited to the aggressive service conditions of an industrial environment
Corrosion resistant	Excellent weatherability and resistant to most industrial chemicals – very low maintenance
Pigmented though the thickness in high visibility yellow	Surface scratches are less visible – no corrosion of the sub surface. Any surface damage can be easily repaired
Warm to the touch	The low thermal conductivity of GRP makes it ideal for use in public areas, especially ramps and other areas designed for disabled access

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Stanchion post base plate

Also used for connections to walls



4 way connection - stanchion to knee rail



90 deg bend



Tee connection



Universal angle bend



Fits over the tube

