

SAFECLAMP HANDRAIL SYSTEM

PLANNING & INSTALLATION GUIDE

DeckSafe
SOLUTIONS

Modular Handrail System

Safeclass® is a modern composite alternative to conventional galvanised Key-clamp style handrail systems manufactured from Glass-Reinforced Plastic (GRP).

The Safeclass® modular system is based on a 50mm diameter pultruded tube, 5mm thick for real strength and toughness and joined together by a range of specifically designed moulded GRP fittings to create the complete handrail system.



The Fibreglass tube can be quickly cut to length on-site to make the stanchion, handrail and mid-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 an A2 Socket-head bolt & Blind Riv-Nut.

This special nut and bolt combination ensures that both the bolt head and the nut are recessed within the moulded fitting retaining the smooth surface for safe uninterrupted hand hold and no snagging on clothing.

For additional security the fittings can also be adhesive bonded using single or two pack adhesives.

Safeclass® is available in yellow colour as standard. Grey is available upon request.

BENEFITS

- Lightweight
- Easy to install
- BS Compliant (BS7818:1995)
- Durable
- Corrosion resistant
- Colourfast
- Warm to touch
- Non-Conductive

FOR MORE INFORMATION

Call: 01206 322 899

Email: sales@deck-safe.co.uk

Visit: www.decksafe.co.uk



Constructionline
Silver Member

Components

Our SafeClamp® Components are stocked in Hi-Vis Yellow but are available in grey as a special order. We also have plastic end caps and kickplate.



Handrail Tube
6000mm long



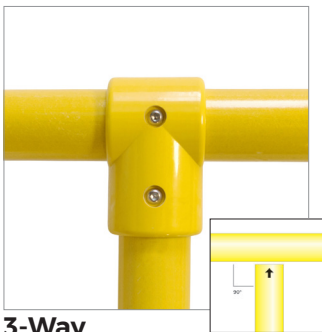
Base Foot



Side Mount



Wall Mount



**3-Way
Connector**



**Long 3-Way
Connector**



**60° 3-Way
Stair Connector**



**Universal
3-Way Connector**



**90° Elbow
Connector**



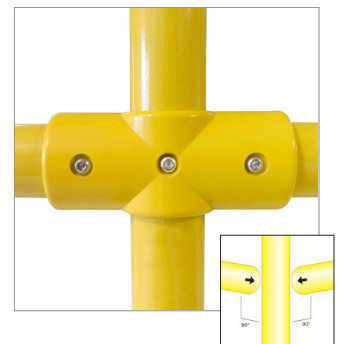
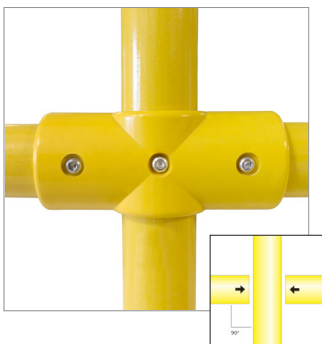
**120° Elbow
Stair Connector**



**Universal
Connector**



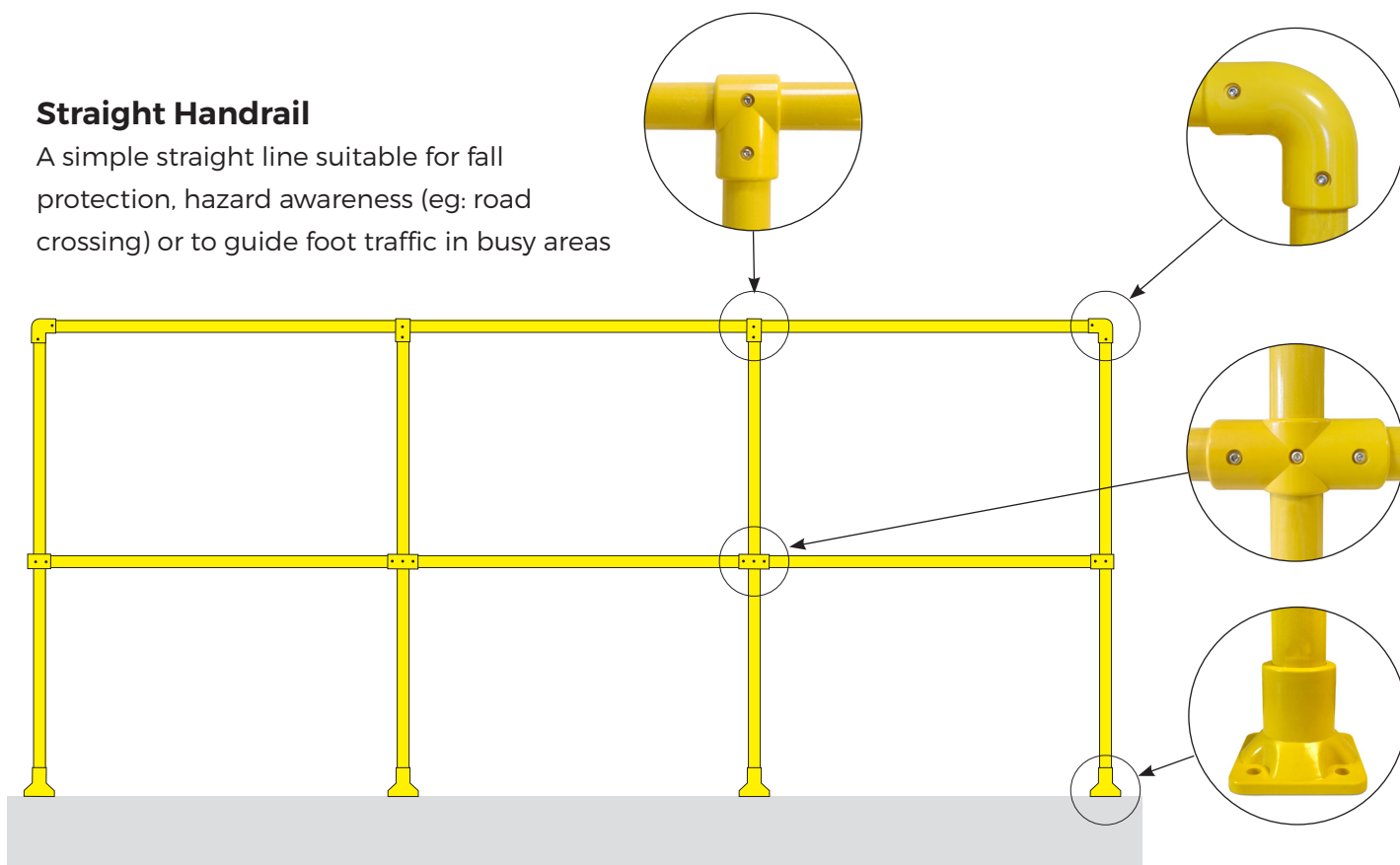
**3-Way Corner
Connector**



Typical Configurations

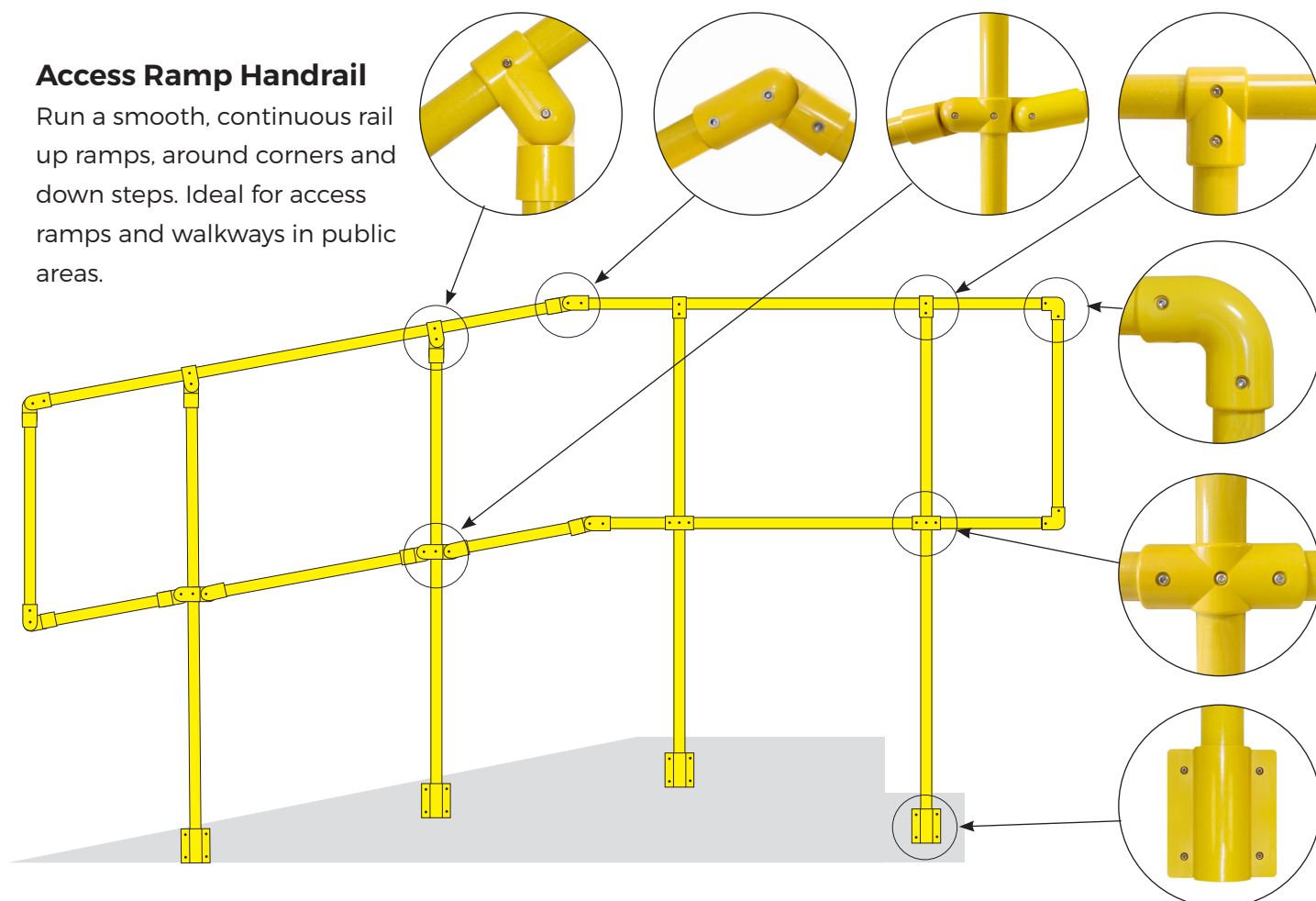
Straight Handrail

A simple straight line suitable for fall protection, hazard awareness (eg: road crossing) or to guide foot traffic in busy areas



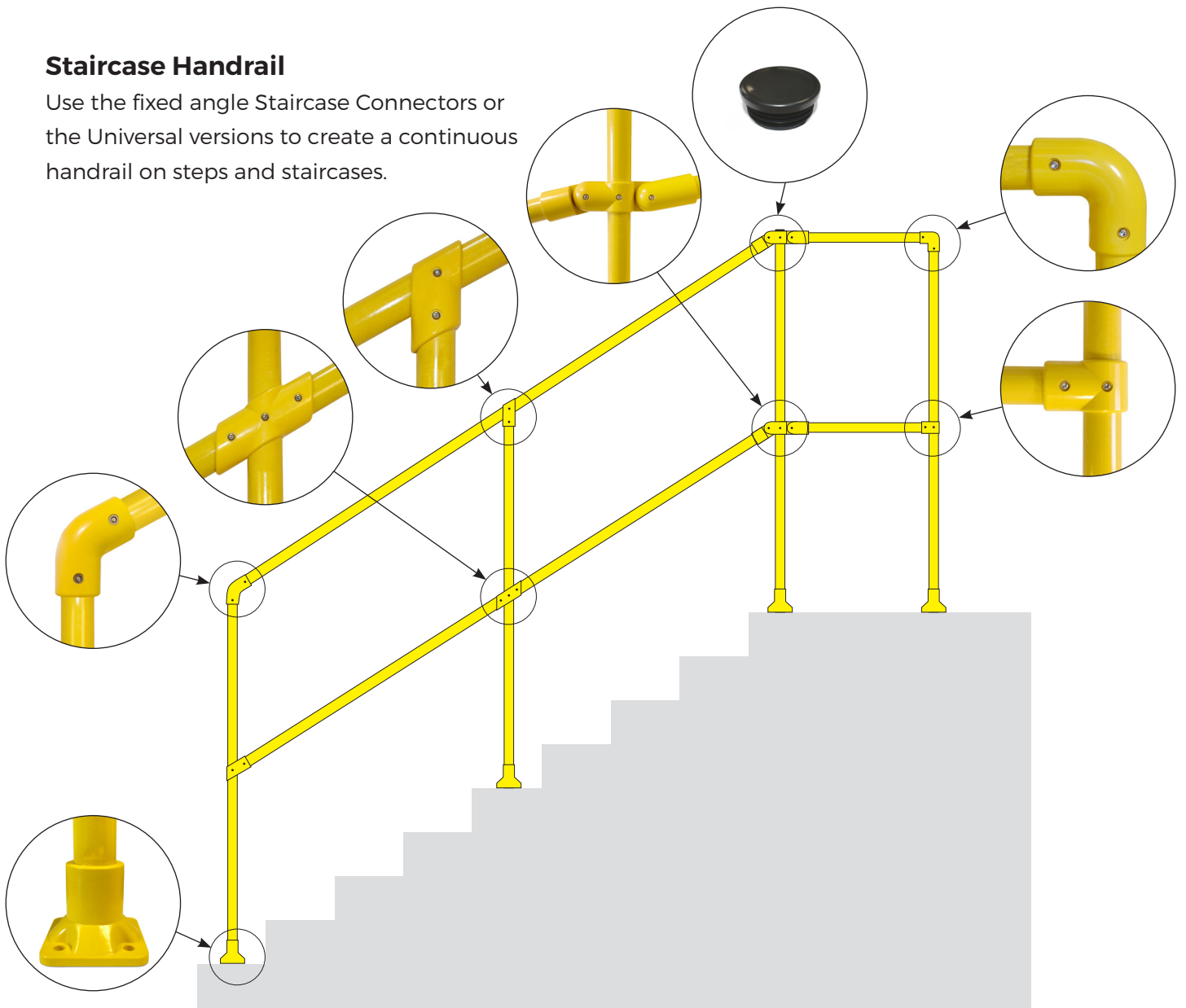
Access Ramp Handrail

Run a smooth, continuous rail up ramps, around corners and down steps. Ideal for access ramps and walkways in public areas.



Staircase Handrail

Use the fixed angle Staircase Connectors or the Universal versions to create a continuous handrail on steps and staircases.



Planning your SafeClamp® Handrail

A simple line drawing and some basic measurements are all you need to plan your railing. Once you have sketched the number of uprights and any changes of direction, join them up with a top rail and a mid rail and then work out which connector will work best at each line intersection (the graphics overleaf show exactly what the connectors do).

You'll need a saw to cut the tube lengths and a drill to make holes in the tube for the bolts to go through. We recommend stainless steel 80mm M8 through-bolts

