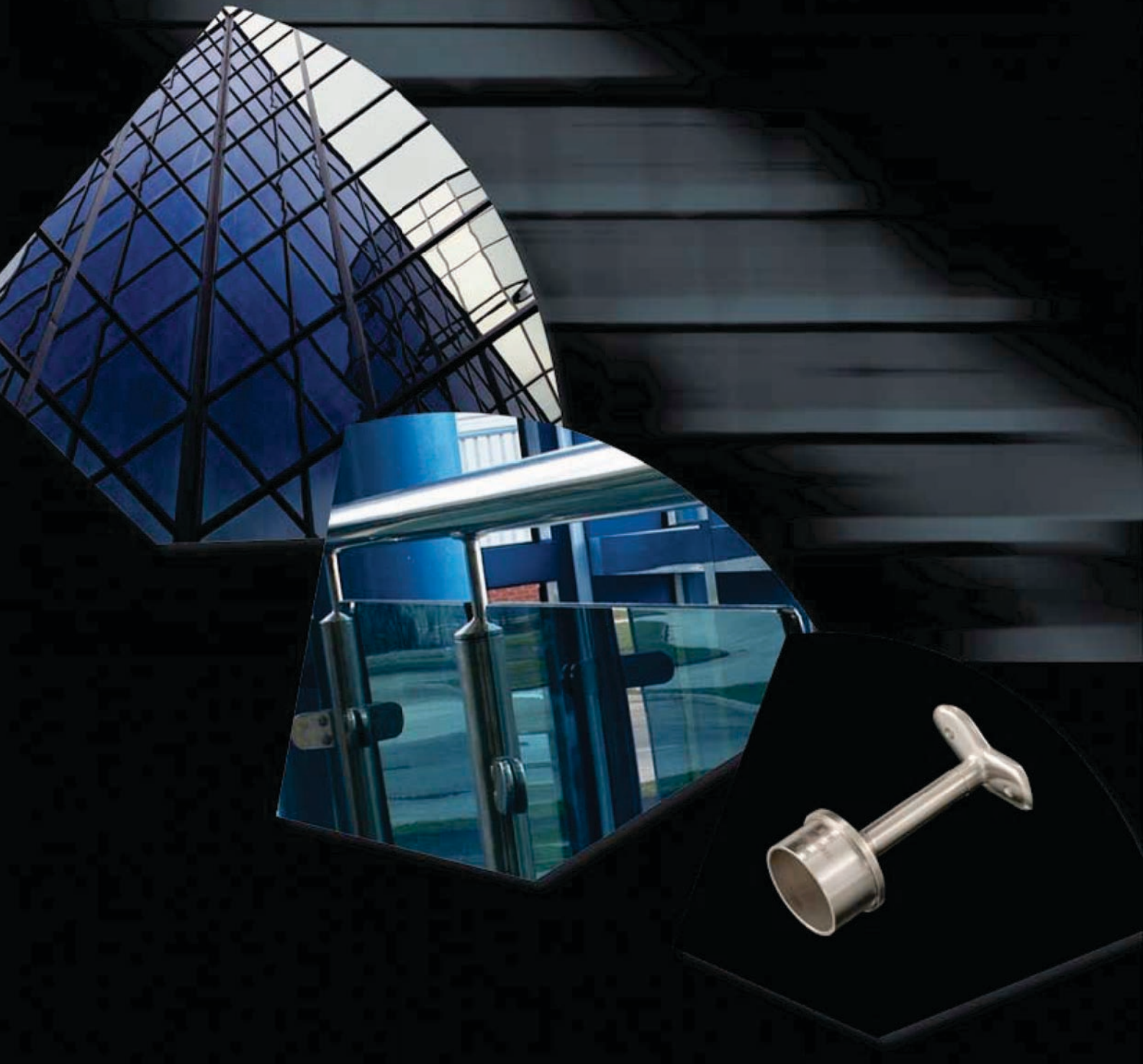




M E R G I N G   S A F E T Y   W I T H   S T Y L E

# The Safe Solution for Stainless Steel Balustrade Systems



**KEE STAINLESS** is the most exclusive product in the **Kee Safety** handrail and balustrade product range. The system has been designed to meet the increasing demand for a stainless steel finish for interior applications. Our modular stainless steel tube and component system is ideal for use in balustrades for stairways and wall mounted handrails. It provides both protection and elegance allowing designers to create a sharp stylish interior.



- **Modular Stainless Steel handrail and balustrade system**
- **Contemporary interior solution**
- **Complies with relevant British Standards and Safety Regulations when correctly designed and installed**
- **Durability and strength**
- **No need for welding**
- **Full range of glass infill panels**
- **Site visits to discuss your requirements**
- **Full design and installation service available**





## **Superior Quality**

The KEE STAINLESS system is produced in Grade 304 Stainless Steel and it is supplied as standard with a brushed satin finish.

The 304 Grade offers the superior qualities of hygiene, strength and durability, and it is widely used in architectural applications.

## **Versatility & Reliability**

Flexibility and simplicity is the basis of all Kee Safety products. KEE STAINLESS components securely join a stainless steel tube into almost any configuration imaginable. The system can be constructed quickly and simply with very few basic tools.

## **Infill alternatives**

To enhance the look of the KEE STAINLESS system, we offer 10mm or 8mm thick toughened glass panels in 6 colour options. We can also add your company logo on the glass.

## **Unrivalled Technical Support**

When you purchase KEE STAINLESS from Kee Safety Ltd you can be assured of unrivalled technical support. Our technical team can offer practical assistance in all aspects of design, installation and compliance with relevant standards.

Additionally we offer a full design and installation service through our KEE PROJECTS division, assuring you of a safe installation, fully compliant with all major standards and statutory requirements.

We will be more than happy to visit your site, discuss your project requirements and prepare a detailed specification.

To arrange a visit please call our KEE PROJECTS team on 0118 931 1022.

- Cost estimation to specific project needs
- Technical advice and support
- Site inspection service
- Design solution in CAD
- Installation service

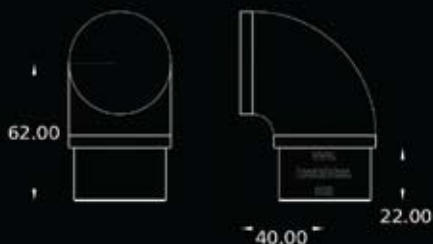


IN-LINE BRACKETS

**KSF05A**



**End Scroll for  
wall mounted  
handrail systems**

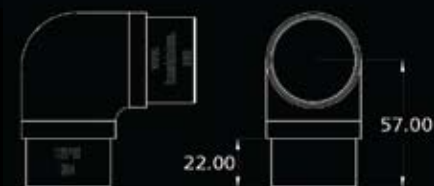


This part should be riveted to the tube to prevent accidental parting from the system.

**KSF15A**



**90° Elbow**

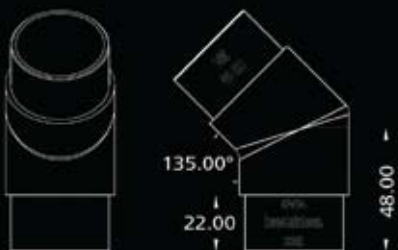


90° elbow used for Corners and 'D' Returns. If used for 'D' Returns then needs to be riveted in position rather than glued.

**KSF55A**



**45° Angle  
Connector**



45° elbow used for Corners and 'D' Returns. If used for 'D' Returns then needs to be riveted in position rather than glued.

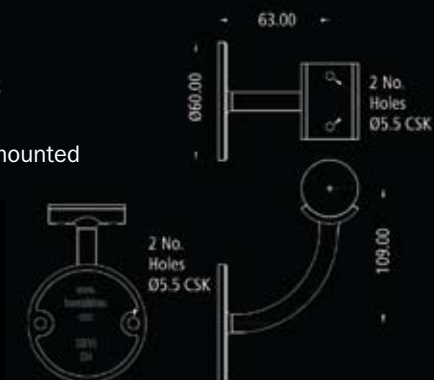
WALL AND FLOOR BRACKETS

**KSF70A**



**Wall Mounted  
Handrail Bracket**

Intermediate wall mounted Handrail Bracket. Fixed with 2 No. 14 CSK Screws.





### KSF62A



#### Top Fix Flange

Top fix Base flange which secures the Upright/Spigot together. Must be used with Spigot part KSF04A, sold separately.



### KSF61A

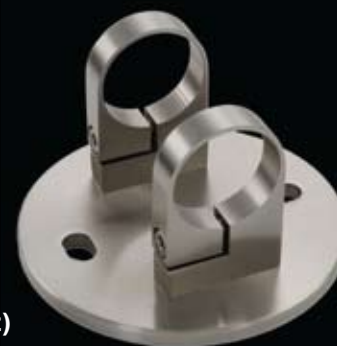


#### Wall Flange

Wall Flange for use when securing perpendicular to the wall. Can be used with the type KSF66A Rose Cover.

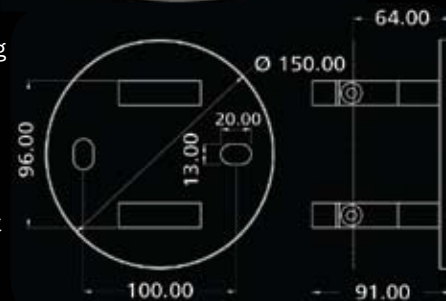


### KSF68A



#### Side Palm Flange (40mm Offset)

Side Palm fitting for securing Uprights with 40mm offset. Must be used with Spigot part KSF24A, sold separately.



### KSF24A

250mm Spigot



### KSF04A

125mm Spigot

2 Holes, Drill & Tap M10 x 1.50



### KSF66A



#### Rose Cover

Rose Cover for use with type KSF61A and the base of cast in uprights.

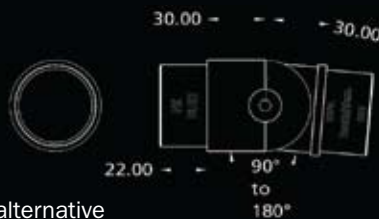


## ADJUSTABLE BRACKETS

## KSF54A


Adjustable  
Elbow

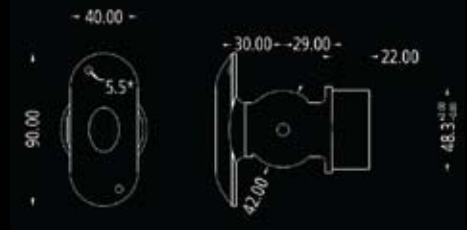
Adjustable in-line connector. Used as an alternative to bending of tube. Should be riveted to tube rather than glued.



## KSF50A


Adjustable  
Saddle

Adjustable in-line Handrail to Upright connector.



## KSF10A


Fixed  
Bracket

Intermediate in-line level top rail connector.



## KSF19A


45° Corner  
Bracket

45° Upright corner. Use with KSF55A.



## KSF52A


90° Corner  
Bracket

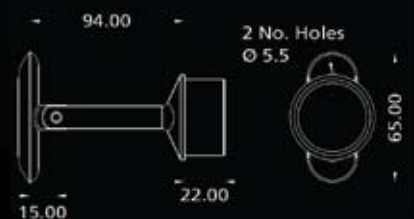
90° Upright corner. Use with KSF15A.



## KSF27A


Adjustable  
Bracket

Intermediate in-line adjustable Top rail connector.



## OFF-SET HAND RAIL

### KSF90A



#### Handrail Post Bracket

Upright mounted Off-Set Level Handrail fitting. Secured to Upright with Single M6 CSK Screw. Body can swivel if angular adjustment is required.



### KSF91A



#### Adjustable Post Bracket

Upright mounted Off-Set Adjustable Handrail fitting. Secured to Upright with Single M6 CSK Screw. Body and saddle can swivel if angular adjustment is required.



### KSF92A



#### Handrail Wall Bracket

Flat surface mounted Off-Set Level Handrail fitting. Secured to surface with Single No. 14 CSK Screw. Body can swivel if angular adjustment is required.



### KSF93A



#### Adjustable Wall Bracket

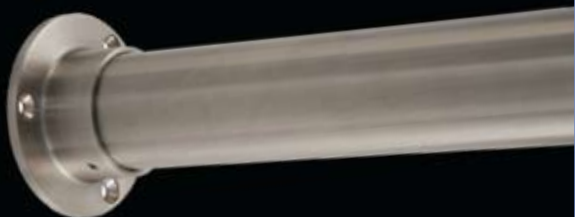
Flat surface mounted Off-Set adjustable Handrail fitting. Secured to surface with Single No. 14 CSK Screw. Body and saddle can swivel if angular adjustment is required.





TUBE

**KSTA**



48.3 x 2 Tubing

ACCESSORIES

**KSF57A**

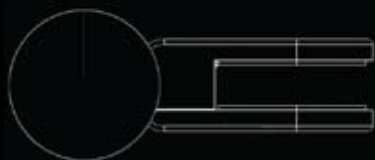


**Upright Glass Clamp**

In-line Glass Clamp for attaching to Uprights with 2 No. M6 Socket Head Screws.

43.00

41.00 44.00



**KSF204 – 8mm Rubber Gaskets for Glass Clamps**

**KSF205 – 10mm Rubber Gaskets for Glass Clamps**



**KSF204**



**KSF205**

**KSF206**



Security Pins for Glass Clamps

**KSF100**



Plastic Cap for Glass Clamp Screws

**KSF85A**



**Arched End Cap**

Arched cap for sealing open ends of Uprights.

6.00



**KSF201**



**KSF202**



**KSF203**



**KSF200**



- KSF200** 50ml Adhesive
- KSF201** 400ml Adhesive Cleaner
- KSF202** 400ml Stainless Steel Cleaner
- KSF203** 200ml Adhesive Activator

## Glass Infill Panels

We offer 10mm or 8mm thick toughened glass panels in 6 colour options.

Clear

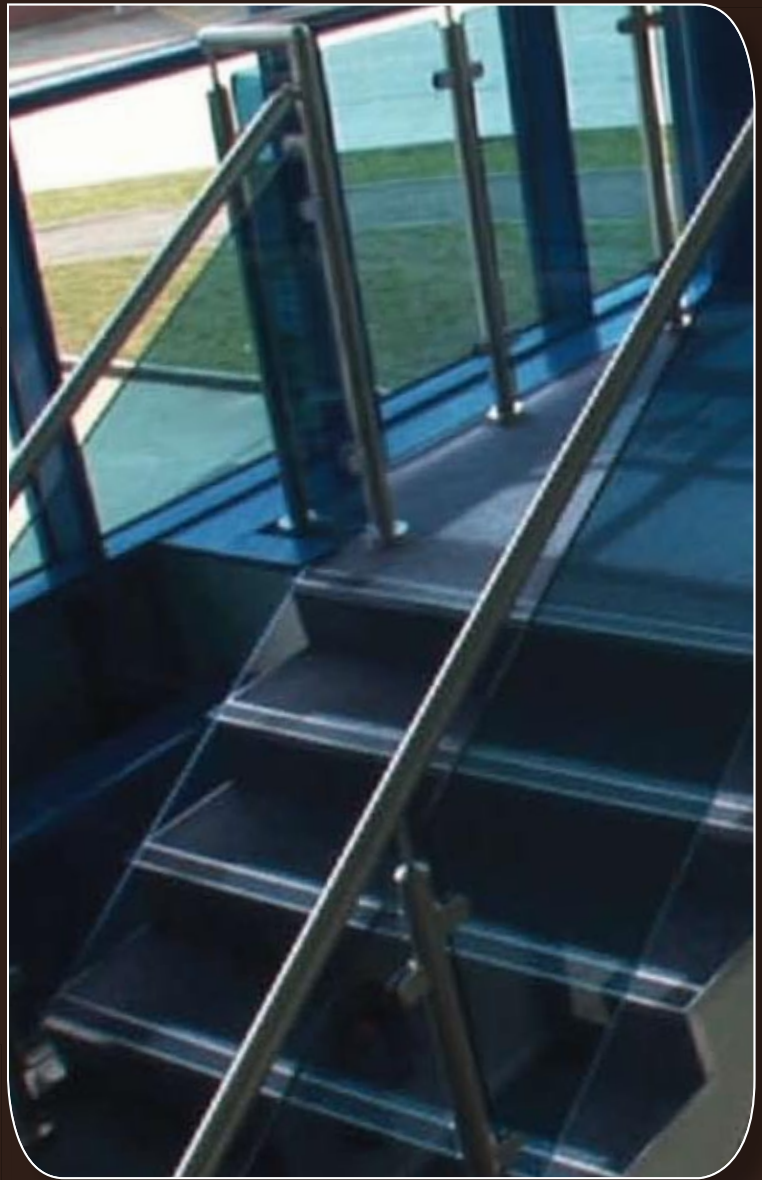
Frosted

Light blue

Blue

Brown

Black



Note: The colours of Glass Infill Panels may vary slightly from images that are shown in the brochure.

## SPECIFYING KEE STAINLESS

- In all cases the stated bay sizes are dependent upon using the KSF04 & KSF24 Spigots.
- In all cases the stated bay sizes assume that the Civil Structure and Anchor fixings can support the imposed loading.

Height & Base Fixing	360 N/m	740 N/m
1100mm + KSF62	2000mm	1250mm
1200mm + KSF68	1950mm	1140mm
1100mm + Cast in 150mm	1950mm	1250mm

**KEE STAINLESS** components are made from Cast Stainless Steel Grade CF-8 (Grade 304), and are supplied as standard with a Brushed Satin Finish. They are suitable for use in the construction of handrail and guardrail systems for internal dry environments.

The components have been designed for use with Ø 48.3mm O.D. x 2.0mm wall thickness Circular Seamless Tubing. Components are secured using a structural Adhesive and/or Stainless Steel Pop Rivets. When designing a structure with vertical and horizontal members that cross, tube continuity must be maintained for the vertical, unless there is a specific structural reason to do otherwise.

Where possible the components should be assembled so that the pop rivets are on the underside of the tubing away from the normal line of sight.

Do not mix **KEE STAINLESS** components with any other brands.

Anchors and fixings must be specified to take account of the fixture thickness and design loads according to the manufactures recommendations.

**Specific Limitation on the use of components**

<b>KSF15</b>	Ensure elbows are structurally supported within 250mm, and that no other joint is placed between the two (the elbow and the support).
<b>KSF10, KSF27, KSF70, KSF90, KSF91, KSF92</b>	Don't use within 100mm of a tube end (to centreline), thus ensuring 'clear passage' for the 'multi-grip' pop rivets/screws. The flanges have 5.5mm O.D. holes, and joints should be secured using Stainless Steel 'multigrip' pop rivets – minimum 13mm long. Alternatively, screws or self-tapping screws may be used, along with measures to ensure they cannot work loose. When securing the rail to the saddle, take adequate care not to trap fingers/skin.
<b>De-burring of cut tubes</b>	In order to avoid the danger of cuts or snagging, cut ends must be de-burred, especially when used with types KSF05, KSF15, KSF18, KSF20, KSF25, KSF50, KSF54, KSF55 or KSF84.
<b>'D' Returns</b>	Forming of 'D' Returns within type KSF15 will require the component to be both glued and riveted to the tube.





Kee Safety Ltd.  
1 Boulton Road  
Reading  
RG2 0NH  
United Kingdom

Tel: +44 (0) 118 931 1022  
Fax: +44 (0) 118 931 1146

Email: [sales@keesafety.com](mailto:sales@keesafety.com)  
[www.keesafety.com](http://www.keesafety.com)