

FIXWELL

NAF
HANDRAIL SYSTEM

Powerful Fixings



COMPANY PROFILE



We feel a massive pleasure to introduce our self as one of the leading manufacturers of Structural Pipe Fittings. Aimed to fulfill challenging demands of our large customer base, we the Fixwell Safety has scaled to the newer heights of success amongst these product range. Established in the year 2007, we have been following quality conscious approach in all our operations as well as undertaking relevant measures so as to ensure flawless products.

We are group of highly qualified and experienced staff have all the experience and industry knowledge you need to ensure that you receive only the highest standard of service every time.

Since 2007, Fixwell Safety has spread its wings and established the business globally.

We started exporting to foreign countries in the year 2009.

Since then, we have never looked back and paved the way for our journey towards growth.

QUALITY & CUSTOMER SATISFACTION



We are registered under certification of ISO 9001-2015. This certification covers everything from the design, development, assembly of entire range of components. We ensure the reliability of our products by going through systematic quality inspection procedures.

In the process of delivering quality products, modern laboratory equipped with cutting-edge equipment supports us. For inspecting the features like physical strength, size accuracy, consistency and so on, we conduct several tests during pre and post production phases. Checking different production stages are done by quality controllers at a regular and random basis for reassuring that the components are in conformation. Each and every employee is aware of their accountability and is dedicated individually towards achieving our goal of zero defects.

These are the pillars for the success

Qualified & trained workforce

Finest quality assurance

Strict quality control and material testing labs

Continuous improvement in the quality and operating systems Like PPAP, APQP & ISIR.

In-house Quality Testing Lab for Metallurgy Testing

Use of Instrument Calibration Process



Other Product Range :-



Hydraulic Hose Fittings



Solar Mounting Structures

Structural Pipe Fittings

Whether you require a simple handrail system or a more complex structure, we have the solutions to meet your requirements. NAF Handrail System Systems are continually expanding and diversifying in order to satisfy the market.

APPLICATION :- Due to the great versatility of this system, NAF Handrail System have a wide range of commercial and domestic uses such as;

Carports & Shelters	Cloth Racks
Display Stands	Railings
Exhibition Stands & Traders Stalls	Storage Solution
Garment Rails	Fitness Equipment
Signage	Furniture & Simple Structures
Storage Racking	Stairs & Handrails
Support Structures	Gates
safety barriers	guardrails
grid systems	playground equipment
	fences

Cutomer guidance. A standard hex key is used for assembly.

Tube Fittings / Structural Pipe Fittings - Fittings are made of iron/steel castings with a hot dip galvanized coating for a long life. This system uses galvanized iron pipe clamps and steel tubes which simply clamp together with grub screws using just an Allen key. The system comes in a range of diameters and, with over 60 different types of fittings, we have the components to achieve almost any configuration. Tubes come in standard lengths of 6.4m with various thicknesss (can be supply as per customer requirement), but they can be cut to length to suit your requirements.

Technical Parameter of NAF Handrail System.

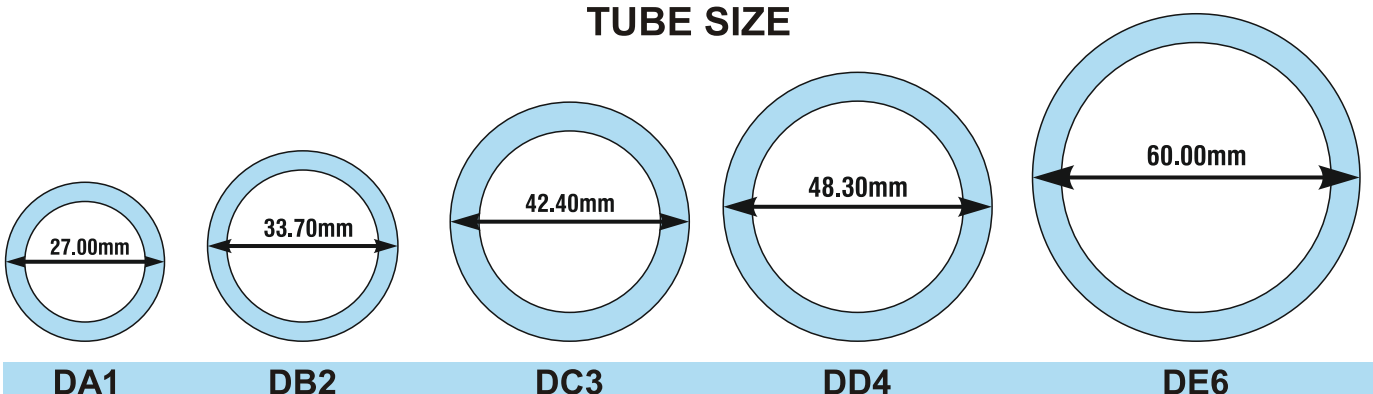
MATERIAL CONFORMATION - BS EN 1562:1997

GALVANIZING STANDARDS - EN 1461 : 199

TENSILE STRENGTH - 35350 LBS

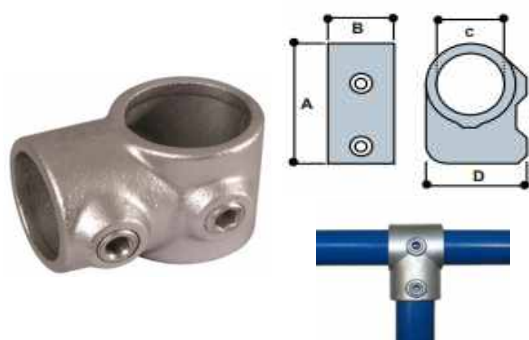
TYPE OF SET SCREWS - CARBON STEEL

TUBE SIZE



THREE SOCKET SHORT TEE CLAMP

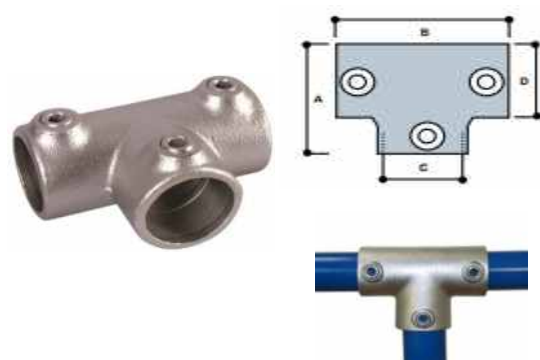
Designed to give a 90° butt joint between two pipes. Frequently used for the joint between end uprights and the middle rail where the railing site is straight and level. Also used for base ties on racking. This fitting cannot be used where through pipe is required to be joined within the fitting.



Prod. No.	101-DA1	101-DB2	101-DC3	101-DD4	101-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	61.00	72.00	88.00	100.00	121.00
Dimension (B)	38.00	49.00	56.00	63.00	75.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	43.00	52.00	59.00	67.00	79.00
Wt. (Kgs.)	0.230	0.320	0.540	0.670	1.080

THREE SOCKET LONG TEE CLAMP

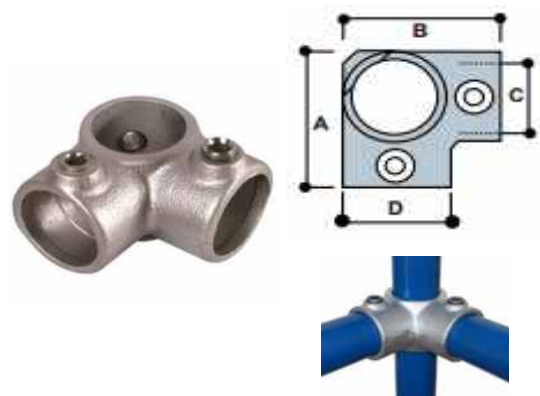
The Long Tee is designed to provide a butt joint between two pipes at right angles to each other. It allows the through pipe to be joined inside the fitting. Often used as to connect the top rail to an intermediate upright in a level installation.



Prod. No.	104-DA1	104-DB2	104-DC3	104-DD4	104-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	62.00	72.00	88.00	98.00	121.00
Dimension (B)	86.00	96.00	120.00	136.00	168.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	55.00	61.00	75.00
Wt. (Kgs.)	0.350	0.550	0.770	0.850	1.400

THREE WAY OPEN CONNER

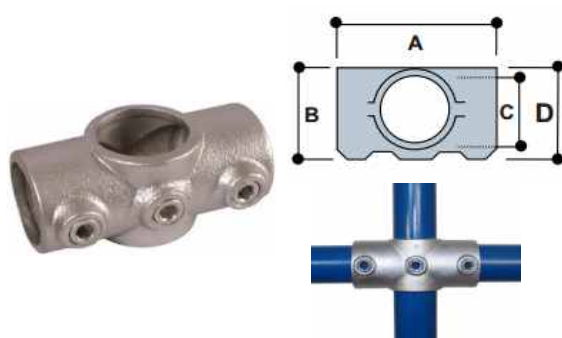
Most frequently paired to give a 90° corner joint for the middle rail of safety railing and other rectangular structures. the upright passes through the fitting.



Prod. No.	116-DA1	116-DB2	116-DC3	116-DD4	116-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	62.00	72.00	88.00	100.00	124.00
Dimension (B)	62.00	72.00	88.00	100.00	124.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	56.00	62.00	75.00
Wt. (Kgs.)	0.320	0.440	0.710	0.800	0.950

THREE SOCKET LONG TEE CLAMP

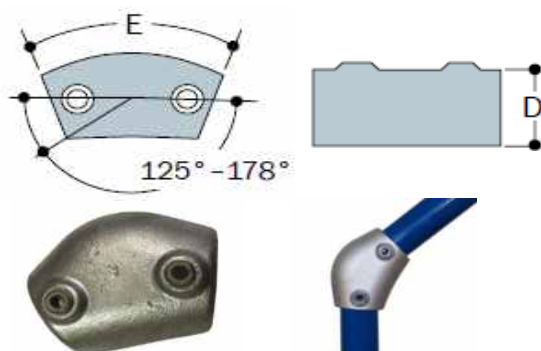
Usually paired to give a 90° joint between the middle rail and an intermediate upright on safety railing. the upright passes through the fitting.



Prod. No.	119-DA1	119-DB2	119-DC3	119-DD4	119-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	80.00	98.00	124.00	134.00	173.00
Dimension (B)	38.00	46.00	56.00	62.00	74.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	45.00	51.00	63.00	67.00	78.00
Wt. (Kgs.)	0.305	0.440	0.690	0.785	1.620

THREE SOCKET LONG TEE CLAMP

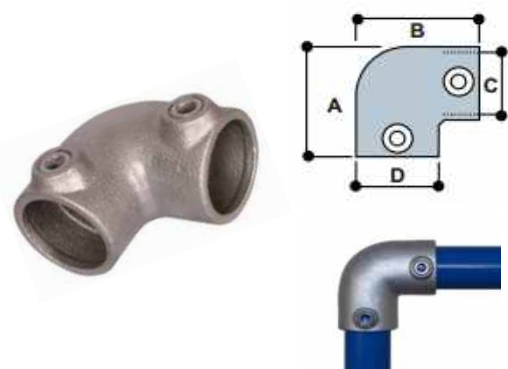
The Variable Elbow is designed to make joints at an angle of between 105° and 165°



Prod. No.	124-DB2	124-DC3	124-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (A)	40.00	47.50	44.00
Wt. (Kgs.)	0.350	0.565	0.810

TWO WAY ELBOW 90° PIPE CLAMPS

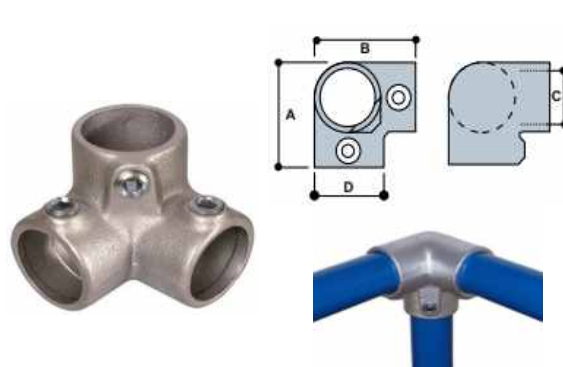
The 90 Degree Elbow is designed to provide a joint between two pipes at right angles to each other. It is often used as railing ends or corners on a level installation.



Prod. No.	125-DA1	125-DB2	125-DC3	125-DD4	125-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	60.00	70.00	87.00	99.00	120.00
Dimension (B)	60.00	70.00	87.00	99.00	120.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	45.00	56.00	62.00	75.00
Wt. (Kgs.)	0.290	0.420	0.700	0.820	1.450

THREE WAY BLIND CONNER

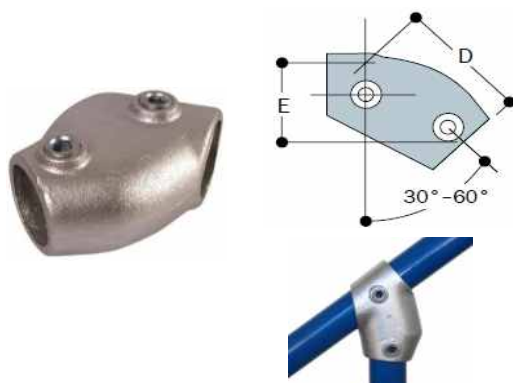
A 90° corner joint most frequently used for the top rail of safety railing. it can also be considered for the corner joint of benches, work tables, and other rectangular structures



Prod. No.	128-DA1	128-DB2	128-DC3	128-DD4	128-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	60.00	70.00	91.00	99.00	123.00
Dimension (B)	60.00	70.00	91.00	99.00	123.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	37.00	46.00	57.00	63.00	75.00
Wt. (Kgs.)	0.340	0.520	0.830	1.140	2.000

ADJUSTABLE TEE

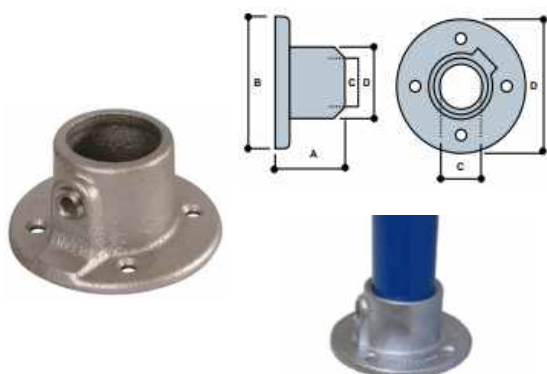
This adjustable coupling is often used for braces and anchors. It can be used to make any chosen angle between 30 ° and 60 °.



Prod. No.	129-DB2	129-DC3	129-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (D)	62.00	75.00	82.00
Dimension (E)	60.00	68.00	72.00
Wt. (Kgs.)	0.430	0.680	0.810

BASE FLANGE

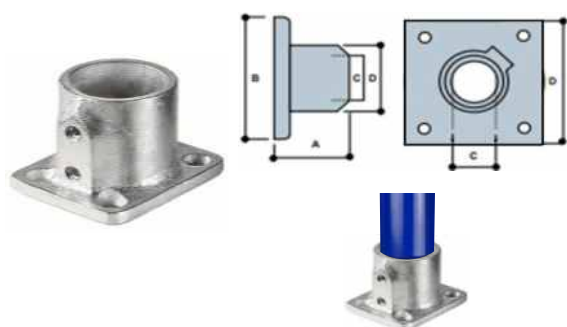
used on structures where the fixing required is positional only. Frequently used as a wall fixing bracket. Holes provided for countersunk fathead screw fixings only.



Prod. No.	131-DA1	131-DB2	131-DC3	131-DD4	131-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	43.00	48.00	51.00	55.00	65.00
Dimension (B)	75.00	85.00	108.00	110.00	129.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	45.00	55.00	63.00	76.00
Wt. (Kgs.)	0.310	0.420	0.600	0.690	1.100

BASE FLANGE S131

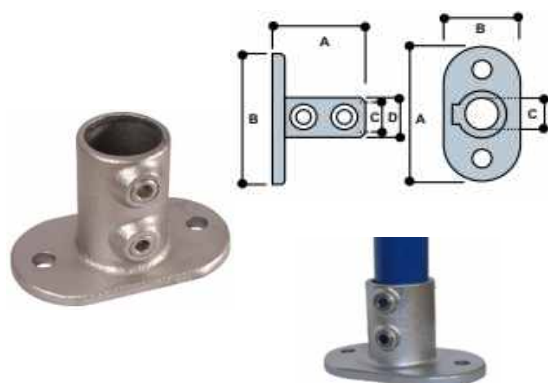
Square base used on structures where the fixing required is positional only. Frequently used as a wall fixing bracket. Holes provided for countersunk fathead screw fixings only.



Prod. No.	S131-DA1	S131-DB2	S131-DC3	S131-DD4	S131-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	43.00	48.00	53.00	58.00	66.00
Dimension (B)	66.00	76.00	85.00	96.00	110.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	40.00	45.00	55.00	62.00	75.00
Wt. (Kgs.)	0.330	0.440	0.660	0.760	1.190

RAILING BASE FLANGE

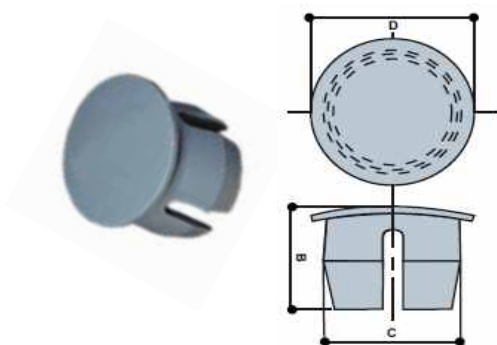
Ideal when a structural fixing is required for guard rail and balustrades. The holes are of sufficient diameter to insure proper fixing with either mechanical or chemical anchor. The two set screws in the vertical socket give greater side-load stability to the upright. It is recommended that the fixing holes in the flange should be in line with the applied load.



Prod. No.	132-DA1	132-DB2	132-DC3	132-DD4	132-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	65.00	78.00	88.00	95.00	105.00
Dimension (B)	118.00	128.00	138.00	152.00	165.00
Dimension (C)	29.00	36.00	45.00	51.00	62.00
Dimension (D)	38.00	46.00	55.00	62.00	75.00
Wt. (Kgs.)	0.390	0.790	1.110	1.300	1.400

PLASTIC PLUG 133

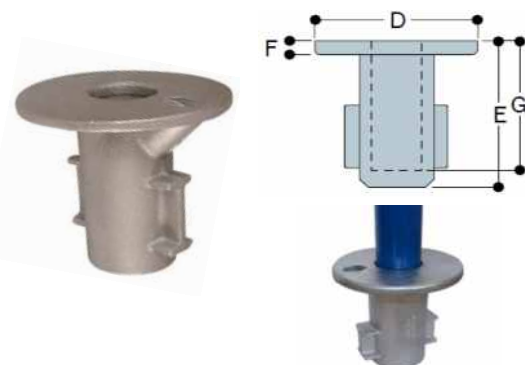
This is a plastic cap that plugs the end of the tube.



Prod. No.	133-DA1	133-DB2	133-DC3	133-DD4	133-DE5
Size (Inchs)	3/4"	1	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (B)	29.00	30.50	33.00	34.00	36.00
Dimension (C)	24.0-28.0	30.0-35.0	38.0-44.0	44.0-50.0	56.0-62.0
Dimension (D)	27.00	32.50	40.50	47.00	59.50
Wt. (Kgs.)	0.010	0.011	0.015	0.020	0.025

GROUND SOCKET CLAMP

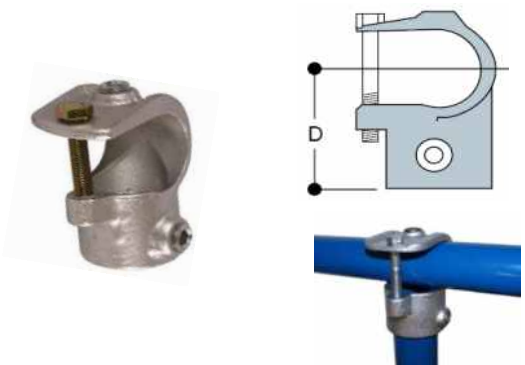
This is a coupling that can be collapsed in a concrete block or directly into the ground to anchor a tubular structure. It is also possible to remove the tubular structure, leaving a smooth floor. Upon request, this coupling can be supplied collapsed in a concrete block of 300 x 300 x 200 mm.



Prod. No.	134-DA1	134-DC3	134-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (D)	127.00	140.00	140.00
Dimension (E)	122.00	136.00	136.00
Dimension (F)	10.00	10.00	10.00
Dimension (G)	115.00	127.00	127.00
Wt. (Kgs.)	1.90	2.35	2.54

CLAMP ON TUBE

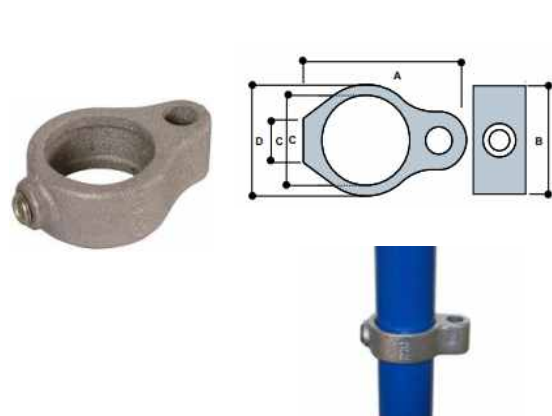
The Clamp On Tee is designed to allow new pipe to be joined to an existing structure and allows easy modification of design and it has same function as 101.



Prod. No.	135-DA1	135-DB2	135-DC3	135-DD4	135-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (D)	45.00	53.00	65.00	75.00	90.00
Wt. (Kgs.)	0.320	0.390	0.590	0.730	1.200

FEMALE GATE EYE

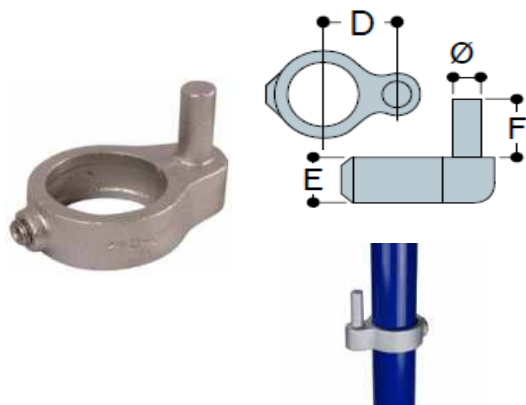
The Gate Hinge, used in conjunction with male & female, is designed as the male section of a hinge for a gate. .



Prod. No.	138-DA1	138-DB2	138-DC3	138-DD4	138-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	
Pipe O. D (MM)	26.90	33.70	42.40	48.30	
Dimension (A)	67.00	74.00	86.00	92.00	
Dimension (B)	25.00	26.00	26.00	26.50	
Dimension (C)	29.00	36.00	45.00	51.00	
Dimension (D)	38.00	46.00	55.00	63.00	
Hole	14.00	14.00	14.00	14.00	
Wt. (Kgs.)	0.22	0.26	0.28	0.30	

MALE GATE EYE

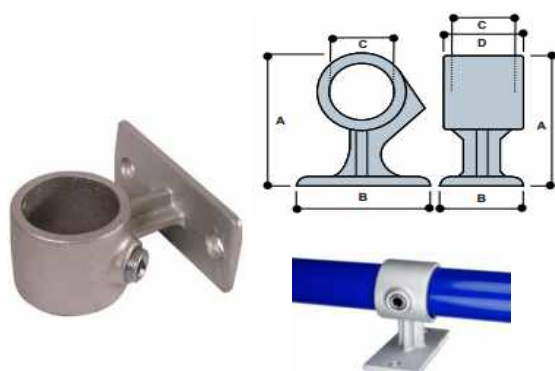
The Gate Hinge, used in conjunction with male & female, is designed as the male section of a hinge for a gate. .



Prod. No.	140-DA1	140-DB2	140-DC3	140-DD4
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30
Dimension (D)	30.00	33.00	38.00	41.00
Dimension (E)	26.00	25.00	25.00	26.00
Dimension (F)	38.00	38.00	38.00	38.00
Pin Diameter	13.00	13.00	13.00	13.00
Wt. (Kgs.)	0.25	0.27	0.30	0.33

RAIL SUPPORT

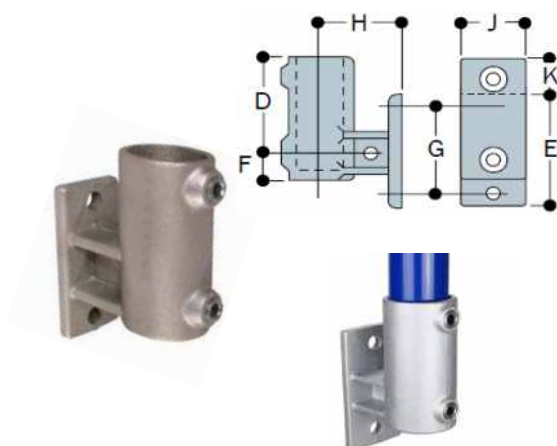
Designed to carry handrails along walls or to fix structures back to walls. The pipe passes through the fitting and cannot be joined with the fitting. It is also used to attach toe boards to the base of guardrail uprights. Holes provided for countersunk flat head screw fixings only.



Prod. No.	143-DA1	143-DB2	143-DC3	143-DD4	143-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	73.00	80.00	90.00	100.00	116.00
Dimension (B)	42 & 75	45 & 85	45 & 98	48 & 105	62 & 116
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	36.00	38.00	35.00	40.00	70.00
Wt. (Kgs.)	0.350	0.390	0.510	0.620	0.840

RAILING VERTICAL SIDE SUPPORT

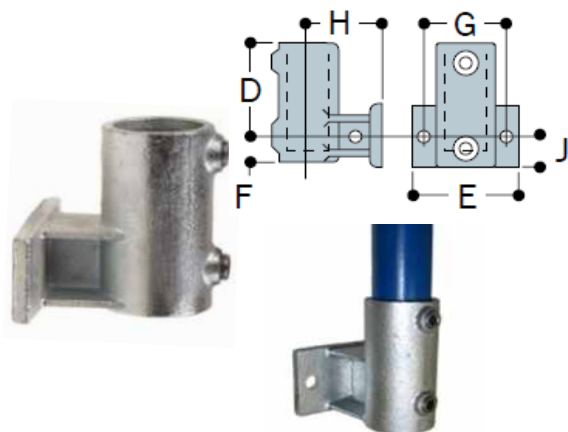
This coupling is designed for fixing railings and railings to walls, bridges or stairs. The post cannot pass through the coupling. The accessibility of the upper mounting hole is limited due to the position of the flange relative to the socket.



Prod. No.	144-DB2	144-DC3	144-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (D)	86.0	84.0	89.0
Dimension (E)	95.0	108.0	121.0
Dimension (F)	22.0	30.0	32.0
Dimension (G)	67.0	72.0	89.0
Dimension (H)	57.0	64.0	70.0
Dimension (J)	45.0	55.0	58.0
Dimension (K)	23.0	30.0	28.0
Wt. (Kgs.)	0.80	1.15	1.54

RAILING HORIZONTAL SIDE SUPPORT

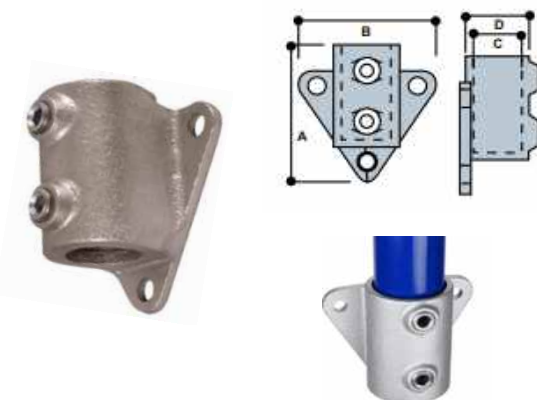
This coupling is designed for fixing railings and railings to walls, bridges or stairs.



Prod. No.	145-DA1	145-DB2	145-DC3	145-DD4	145-DE5
Size (Inchs)		1"	1-1/4"	1-1/2"	
Pipe O. D (MM)		33.70	42.40	48.30	
Dimension (D)		86.0	84.0	89.0	
Dimension (E)		95.0	108.0	121.0	
Dimension (F)		22.0	30.0	32.0	
Dimension (G)		67.0	72.0	89.0	
Dimension (H)		57.0	64.0	70.0	
Dimension (J)		22.0	24.0	24.0	
Wt. (Kgs.)		0.80	1.15	1.54	

WALL FLANGE (SIDE PALM FIX)

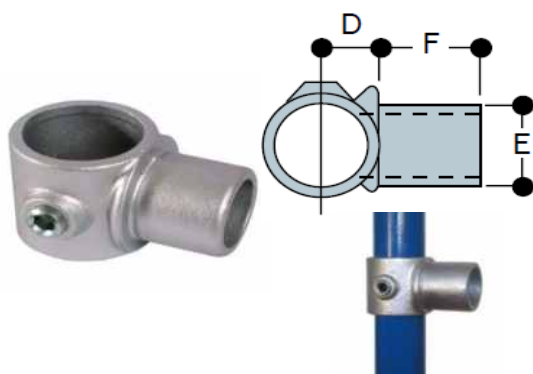
Side fixing for guardrail and balus- trades to walls, parapets, steps, and ramps. The upright cannot drop through the socket.



Prod. No.	146-DA1	146-DB2	146-DC3	146-DD4	146-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	97.00	105.00	110.00	118.00	119.00
Dimension (B)	88.00	98.00	108.00	112.50	126.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	37.00	45.00	55.00	62.00	73.00
Wt. (Kgs.)	0.650	0.690	1.000	1.070	1.800

INTERNAL SWIVEL SHORT TEE

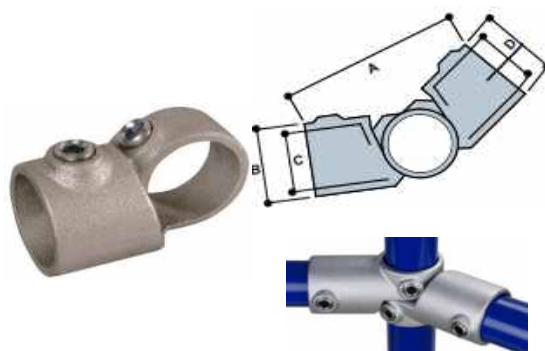
The Internal Swivel Tee is designed to accommodate varying angles in a joint between a rail and an fitting. Often used fittings to offset the top or mid rail to accommodate slopes



Prod. No.	147-DB2	147-DC3	147-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (D)	23.0	33.0	29.0
Dimension (E)	33.0	42.0	36.0
Dimension (F)	29.0	49.0	41.0
Wt. (Kgs.)	0.36	0.54	0.64

SHORT SWIVEL TEE PAIR

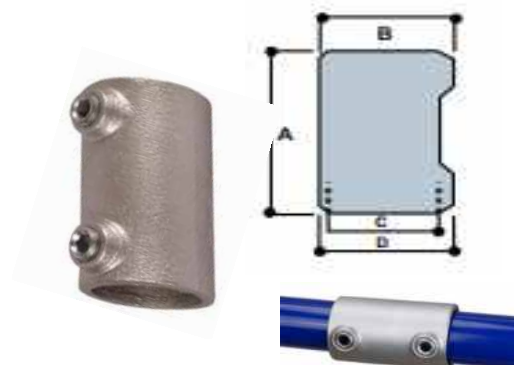
Used in pairs to form variable angle joints between 90° and 180°. When calculating cutting lengths for pipe, dimension "E" should be subtracted to give true pipe length.



Prod. No.	148-DA1	148-DB2	148-DC3	148-DD4	148-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	79.00	80.00	110.00	120.00	150.00
Dimension (B)	44.00	45.00	55.00	62.00	75.00
Dimension (C)	29.00	36.00	45.00	51.00	62.00
Dimension (D)	38.00	45.00	61.00	61.00	74.00
Wt. (Kgs.)	0.220	0.360	0.400	0.720	1.100

INLINE EXTERNAL TUBE CONNECTOR

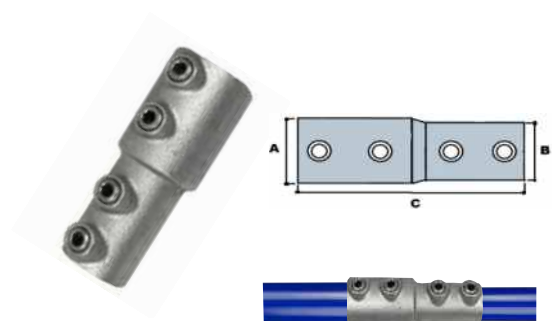
Designed to form an in-line joint between two pieces of pipe of the same size. Where a constant diameter is required along the outside of the pipe (such as ADA handrail or garment storage).



Prod. No.	149-DA1	149-DB2	149-DC3	149-DD4	149-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	78.00	91.00	100.00	100.00	124.00
Dimension (B)	38.00	46.00	55.00	62.00	78.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	43.00	53.00	63.00	67.00	79.00
Wt. (Kgs.)	0.310	0.378	0.525	0.620	1.200

INLINE EXTERNAL TUBE CONNECTOR

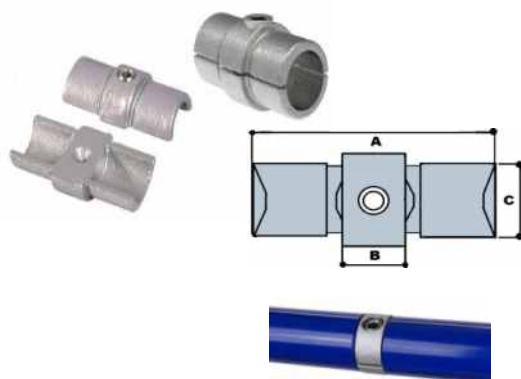
Designed to form an in-line joint between two pieces of pipe with different size diameter is required along the outside of the pipe (such as ADA handrail or garment storage).



Prod. No.	149B-DA1	149B--DC3
Size (Inchs)	3/4" + 1"	1" + 1-1/4"
Pipe O. D (MM)	26.90 + 33.70	33.70 + 42.20
Dimension (A)	45.00	55.00
Dimension (B)	38.00	45.00
Dimension (C)	130.00	140.00
Wt. (Kgs.)	0.640	0.878

INTERNAL TUBE CONNECTOR

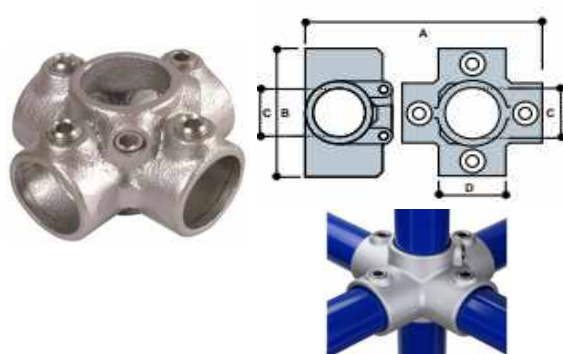
This is an internal connection that makes an (almost) smooth connection between two tubes with the same diameter. This coupling has less clamping force than type 149 and can therefore not be used in places where there is a direct load on the coupling.



Prod. No.	150-DA1	150-DB2	150-DC3	150-DD4
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30
Dimension (A)	75.00	75.00	73.00	73.00
Dimension (B)	22.00	20.00	20.00	22.00
Dimension (C)	20.00	27.00	35.00	40.00
Wt. (Kgs.)	0.160	0.250	0.380	0.500

FOUR SOCKET CROSS

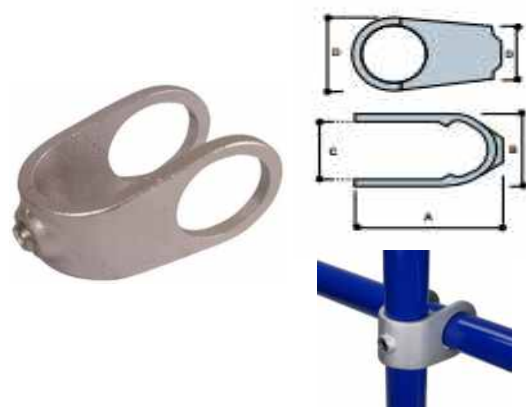
Most frequently used in multiple upright structures to tie a center upright with horizontal pipes in four directions. The upright passes through the fitting.



Prod. No.	158-DA1	158-DB2	158-DC3	158-DD4	158-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	82.00	94.00	20.00	135.00	168.00
Dimension (B)	82.00	94.00	20.00	135.00	168.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	56.00	59.00	75.00
Wt. (Kgs.)	0.520	0.620	1.100	1.500	2.300

CLAMPING CROSSOVER

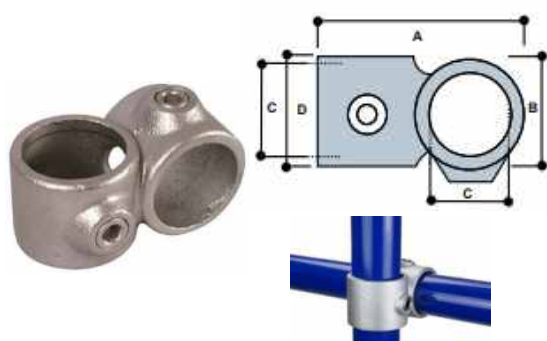
Designed to provide a 90° crossover joint. can be added to an existing structure. pipe should not be joined within this fitting. for alternative fitting.



Prod. No.	168-DA1	168-DB2	168-DC3	168-DD4	168-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	74.00	92.00	107.00	123.00	144.00
Dimension (B)	42.00	54.00	62.00	67.00	80.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	21 & 41.0	33 & 53.0	48 & 61.0	70 & 51.0	68 & 80.0
Wt. (Kgs.)	0.27	0.35	0.47	0.71	0.99

OFFSET 90° CROSSOVER

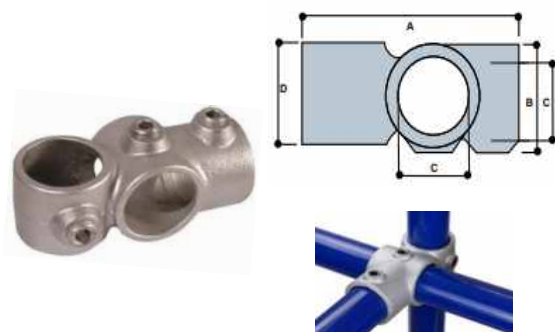
Designed to give a 90° crossover joint. Frequently used on safety railing where, to reduce cost by minimizing the pipe cuts, a continuous horizontal rail is used. Pipe cannot be joined within this fitting. It may also be used to give intermediate levels on racks etc. when horizontal ties between uprights are not required.



Prod. No.	161-DA1	161-DB2	161-DC3	161-DD4	161-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	72.00	85.00	104.00	116.00	140.00
Dimension (B)	58.00	46.00	55.00	60.00	74.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	32.00	40.00	45.00	55.00	62.00
Wt. (Kgs.)	0.210	0.360	0.550	0.610	1.000

COMBINATION SOCKET TEE AND CROSSOVER

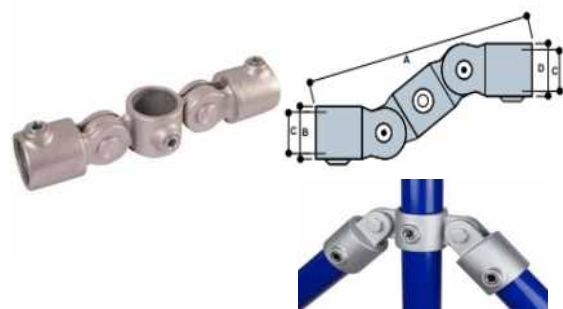
Used on racking to join horizontal carrying rails to the upright, leaving the socket to take a horizontal tie across the section. For shelved racking it is usual to have the horizontal pipe outside the upright. On pallet racking it is preferable to have the carrying rails inside the upright.



Prod. No.	165-DA1	165-DB2	165-DC3	165-DD4	165-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	96.00	110.00	139.00	152.00	192.00
Dimension (B)	43.00	51.00	61.00	65.00	80.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	56.00	61.00	75.00
Wt. (Kgs.)	0.300	0.530	0.710	0.940	1.500

DOUBLE SWIVEL SOCKET

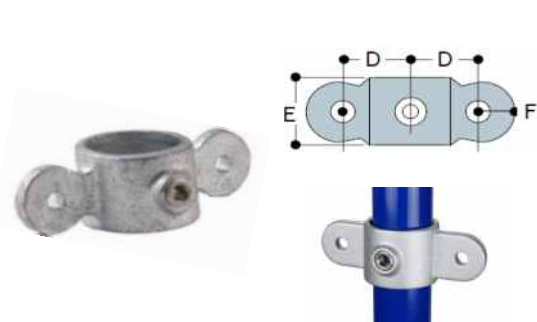
Double Male Swivel fitting with steel bolts, nuts and washers. It is designed to provide an in line angle joint at a post. This kit can be used to fasten middle rails to uprights in sloping handrail installations, or to provide bracing to a structure. Hardware (nuts, bolts, washers) is included.. It is made by combining two fittings.



Prod. No.	167-DA1	167-DB2	167-DC3	167-DD4	167-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	205.00	209.00	233.00	260.00	293.00
Dimension (B)	37.00	45.00	56.00	62.00	74.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	45.00	56.00	61.00	74.00
Wt. (Kgs.)	1.010	1.135	1.400	1.600	2.150

DOUBLE SWIVEL SOCKET

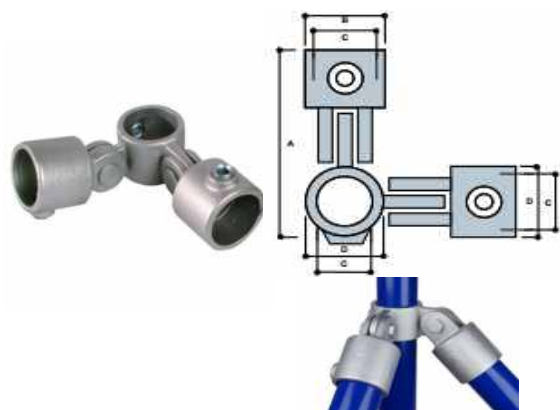
Male part of the combination coupling type 167. This coupling is also often used for fixing panels.



Prod. No.	167M-DA1	167M-DB2	167M-DC3	167M-DD4	167M-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (D)	40.00	44.00	50.00	55.00	60.00
Dimension (E)	40.00	44.00	47.00	40.00	52.00
Dimension (F)	15.00	20.00	20.00	20.00	20.00
Wt. (Kgs.)	0.210	0.360	0.420	0.460	0.610

CORNER SWIVEL SOCKET

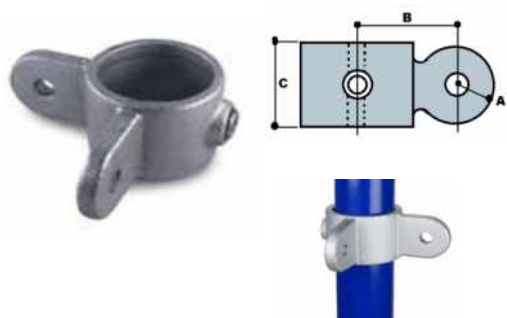
Corner Male Swivel fittings using steel bolts, nuts and washers. It is designed to provide an angled joint at a post. This kit can be used to fasten middle rails to uprights in sloping handrail installations, or to provide bracing to a structure. Hardware (bolts, nuts, washers) is included.



Prod. No.	168-DA1	168-DB2	168-DC3	168-DD4	168-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	129.00	133.00	144.00	159.00	182.00
Dimension (B)	38.00	45.00	56.00	63.00	73.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	55.00	62.00	74.00
Wt. (Kgs.)	0.990	1.500	1.400	1.600	2.080

CORNER SWIVEL SOCKET

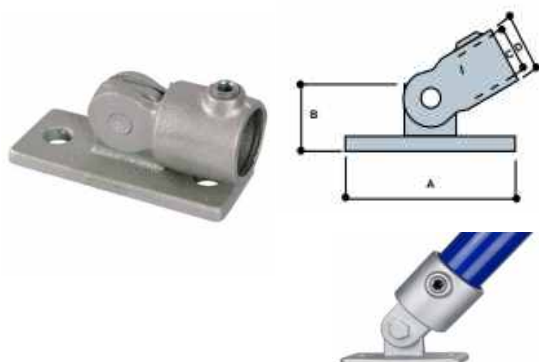
Corner Male Swivel fittings using steel bolts, nuts and washers. It is designed to provide an angled joint at a post and Possible Reducer combinations are also possible in sizes DA1 to DE5,



Prod. No.	168M-DA1	168M-DB2	168M-DC3	168M-DD4	168M-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	19.00	19.00	19.00	19.00	19.00
Dimension (B)	43.00	46.00	48.00	58.00	67.00
Dimension (C)	38.00	45.00	43.00	68.00	75.00
Hole Size	8.00	10.50	10.50	10.50	10.50
Wt. (Kgs.)	0.230	0.340	0.300	0.460	0.540

BASE SWIVEL FLANGE KIT

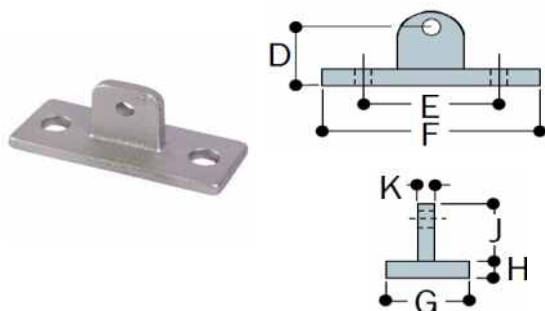
A swivel fitting for attachment of angled pipe to a fat surface



Prod. No.	169-DA1	169-DB2	169-DC3	169-DD4	169-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	112.00	112.00	112.00	112.00	112.00
Dimension (B)	53.00	53.00	53.00	53.00	53.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	57.00	61.00	73.00
Wt. (Kgs.)	0.770	0.820	0.985	1.100	1.200

BASE SWIVEL FLANGE KIT

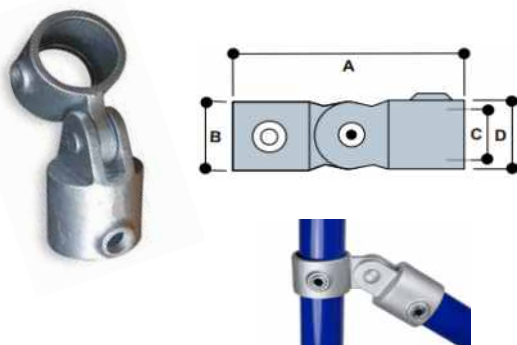
This type can be used for various wall and anchoring fixings. The 169M is usually combined with a 173F to form an adjustable angle coupling type 169.



Prod. No.	169M
Size (Inchs) Fit to	3/4" , 1" , 1-1/4" , 1-1/2" , 2"
Dimension (D)	34.00
Dimension (E)	85.00
Dimension (F)	112.00
Dimension (G)	48.00
Dimension (H)	43.00
Dimension (K)	10.00
Dimension (H)	9.00
Wt. (Kgs.)	0.370

SINGLE SWIVEL SOCKET

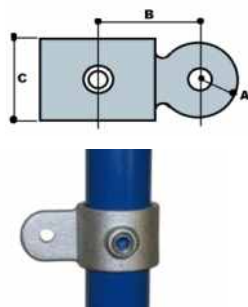
Complete combination fitting. Reducing combinations are available sizes DA1 through DE5.



Prod. No.	173-DA1	173-DB2	173-DC3	173-DD4	173-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	122.00	130.00	149.00	164.00	181.00
Dimension (B)	39.00	46.00	56.00	63.50	74.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	45.00	55.00	61.00	73.00
Wt. (Kgs.)	0.620	0.630	0.830	0.100	1.400

MALE SWIVEL

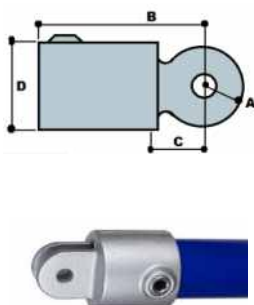
The Female Swivel is designed to be used in combination with 173F to make "Swivel Kits" used primarily for bracing, but can also be used to overcome problems with joints of odd or varying angles.



Prod. No.	173M-DA1	173M-DB2	173M-DC3	173M-DD4	173M-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	19.00	20.00	20.00	20.00	20.00
Dimension (B)	42.00	46.00	53.00	56.00	68.00
Dimension (C)	38.00	46.00	45.00	45.00	48.00
Hole Size	10.50	10.50	10.50	10.50	10.50
Wt. (Kgs.)	0.170	0.270	0.340	0.360	0.500

MALE SWIVEL

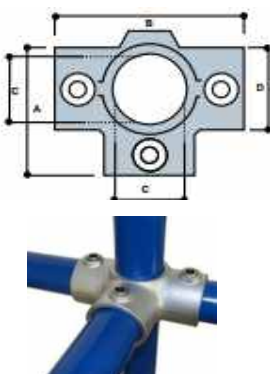
The Female Swivel is designed to be used in combination to make "Swivel Kits" used primarily for bracing, but can also be used to overcome problems with joints of odd or varying angles.



Prod. No.	173F-DA1	173F-DB2	173F-DC3	173F-DD4	173F-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	19.00	19.00	19.00	19.00	24.00
Dimension (B)	60.00	62.00	72.00	80.00	96.00
Dimension (C)	29.00	27.00	34.00	35.00	42.00
Dimension (D)	38.00	45.00	55.00	61.00	73.00
Hole Size	10.50	10.50	10.50	10.50	10.50
Wt. (Kgs.)	0.240	0.360	0.450	0.540	0.900

SIDE OUTLET TEE CLAMP

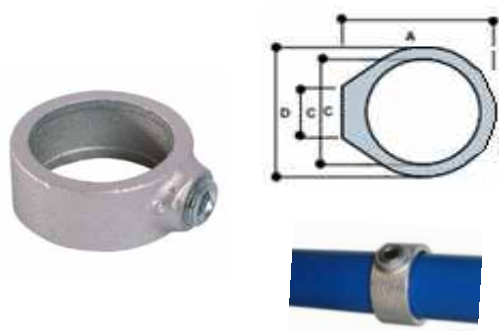
Most frequently used to tie uprights with horizontal pipes in three directions, all 90° to the upright. The upright passes through the fitting.



Prod. No.	176-DA1	176-DB2	176-DC3	176-DD4	176-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	62.00	72.00	89.00	100.00	123.00
Dimension (B)	85.00	97.00	120.00	136.50	171.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	38.00	46.00	56.00	61.00	73.00
Wt. (Kgs.)	0.357	0.531	0.788	1.220	1.900

SPACER (COLLER)

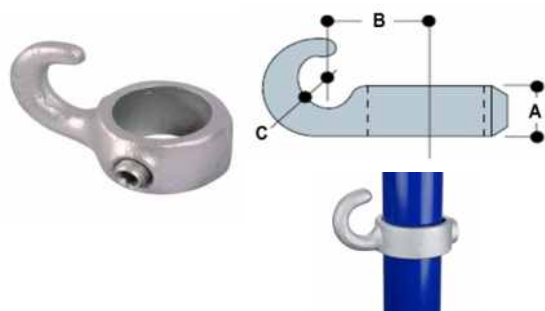
The Collar is designed to be used as a support fitting for an EF03 when it is used as a hinge. It can be used to increase the load capacity of another fitting or as a stop on a telescoping pipe or tube.



Prod. No.	179-DA1	179-DB2	179-DC3	179-DD4	179-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	67.00	74.00	86.00	92.00	104.00
Dimension (B)	25.00	26.00	26.00	26.50	28.00
Dimension (C)	29.00	36.00	45.00	51.00	63.00
Dimension (D)	37.00	46.00	55.00	63.00	74.00
Wt. (Kgs.)	0.21	0.26	0.27	0.29	0.46

HOOK TURNED

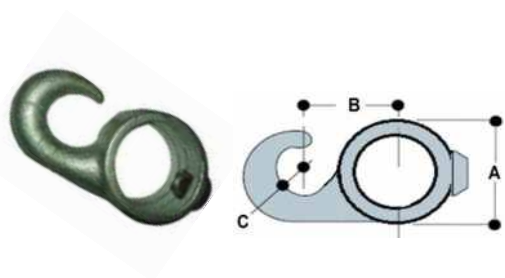
This link is mainly used to attach chains.



Prod. No.	182-DA1	182-DB2	182-DC3	182-DD4
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30
Dimension (A)	26.00	26.00	26.00	26.00
Dimension (B)	33.00	35.00	40.00	43.00
Dimension (C)	14.00	14.00	14.00	14.00
Wt. (Kgs.)	0.17	0.19	0.21	0.24

HOOK STRIGHT

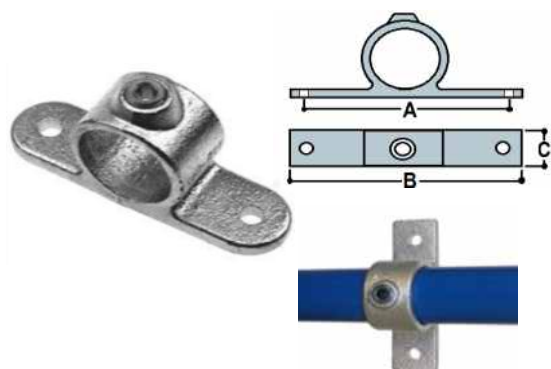
This link is mainly used to attach chains.



Prod. No.	183-DA1	183-DB2	183-DC3	183-DD4
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30
Dimension (A)	38.00	45.00	54.00	64.00
Dimension (B)	33.00	35.00	40.00	43.00
Dimension (C)	14.00	14.00	14.00	14.00
Wt. (Kgs.)	0.17	0.19	0.21	0.24

DOUBLE MOUNTING RING 180°

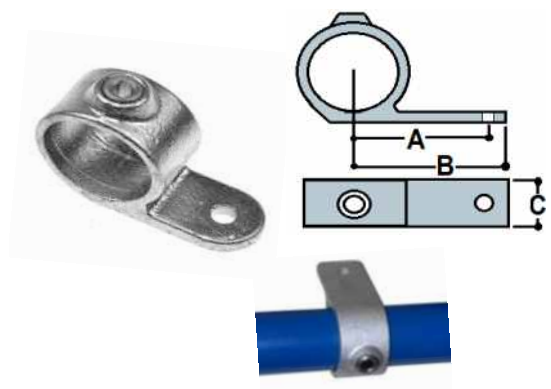
These pipe couplings have been developed to mount panels in pipe constructions, among other things.



Prod. No.	198-DA1	198-DB2	198-DC3	198-DD4
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30
Dimension (A)	94.00	90.00	96.00	104.00
Dimension (B)	120.00	118.00	132.00	140.00
Dimension (C)	32.00	32.00	36.00	37.00
Hole Size	10.50	10.50	10.50	10.50
Wt. (Kgs.)	0.33	0.36	0.41	0.46

SINGLE MOUNTING RING

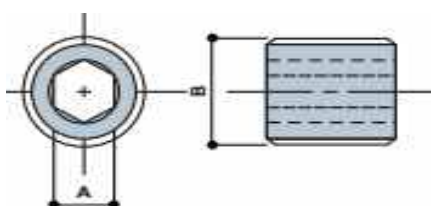
These pipe couplings have been developed to mount panels in pipe constructions, among other things.



Prod. No.	199-DA1	199-DB2	199-DC3	199-DD4
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30
Dimension (A)	43.00	48.00	48.00	50.00
Dimension (B)	62.00	65.00	65.00	72.00
Dimension (C)	32.00	34.00	37.00	40.00
Hole Size	10.50	10.50	10.50	10.50
Wt. (Kgs.)	0.23	0.24	0.32	0.35

GRUB SCREWS

Socket set screws are supplied in all fittings as standard. Applied as standard throughout the range, provides the corrosion resistance of stainless steel.



Prod. No.	131-DA1	131-DB2	131-DC3	131-DD4	131-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Dimension (A)	1/4"	1/4"	5/16"	5/16"	5/16"
Dimension (B)	1/4"	1/4"	3/8"	3/8"	3/8"
Wt. (Kgs.)	0.008	0.008	0.012	0.012	0.012

L-KEY

L-key sets are made of selected alloy steel with accurate sizes with best performance in working.



Prod. No.	DA1	DB2	DC3	DD4	DE5
Size (Inches)	1/4"	1/4"	5/16"	5/16"	5/16"
Wt. (Kgs.)	0.03	0.03	0.054	0.054	0.054

TUBE COMPLETE LENGTH

A **pipe** is a tubular section or hollow cylinder, usually but not necessarily of circular cross-section, used mainly to used for structural applications like personal, commercial, safety and solar frame purpose and hollow pipe is far stiffer per unit weight than solid members.



Prod. No.	399-DA1	399-DB2	399-DC3	399-DD4	399-DE5
Size (Inchs)	3/4"	1"	1-1/4"	1-1/2"	2"
Pipe O. D (MM)	26.90	33.70	42.40	48.30	60.30
Thickness					

Available In various and it can be provided as per customer requirement with full length and suggested cut length.

Pre made post



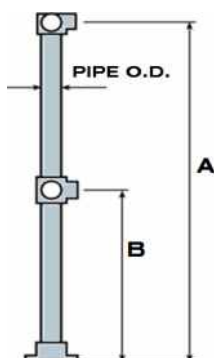
1. CORNER POST

2. MID POST

3. END POST

CORNER POST

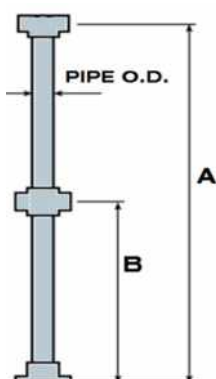
Assembled with 1075mm length of galvanised tube with one 132 Base Plate, one 116 Three Way Through and one 128 90° Three Way Elbow 128, the Standard Corner Post is available in size DB2 (33.70mm), DC3(42.20MM) and size DD4 (48mm)



Prod. No.	401-DB2	401-DC3	401-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (A)	1100	1100	1100
Dimension (B)	550	550	550
Wt. (Kgs.)	It would be vary according to pipe thickness (according to customer requirement)		

MID POST

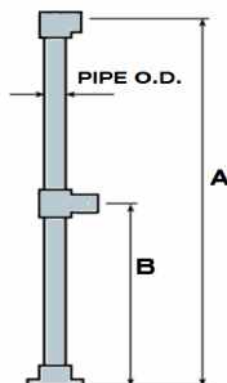
Assembled with 1075mm length of galvanised tube with one 132 Base Plate, one 119 cross 90 deg. and one 104 Three long tee clamp, the Standard mid Post is available in size DB2 (33.70mm), DC3(42.20MM) and size DD4 (48mm)



Prod. No.	402-DB2	402-DC3	402-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (A)	1100	1100	1100
Dimension (B)	550	550	550
Wt. (Kgs.)	It would be vary according to pipe thickness (according to customer requirement)		

END POST

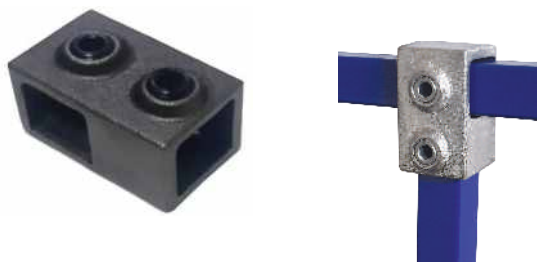
Assembled with 1075mm length of galvanised tube with one 132 Base Plate, one 101 short tee clamp, and one 125 two elbow 90. deg, the Standard end Post is available in size DB2 (33.70mm), DC3(42.20MM) and size DD4 (48mm)



Prod. No.	403-DB2	403-DC3	403-DD4
Size (Inchs)	1"	1-1/4"	1-1/2"
Pipe O. D (MM)	33.70	42.40	48.30
Dimension (A)	1100	1100	1100
Dimension (B)	550	550	550
Wt. (Kgs.)	It would be vary according to pipe thickness (according to customer requirement)		

SQUARE THREE SOCKET SHORT TEE CLAMP

Designed to give a 90° butt joint between two pipes. Frequently used for the joint between end uprights and the middle rail where the railing site is straight and level. Also used for base ties on racking. This fitting cannot be used where through pipe is required to be joined within the fitting.



Prod. No.	101-SQA	101-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE THREE SOCKET LONG TEE CLAMP

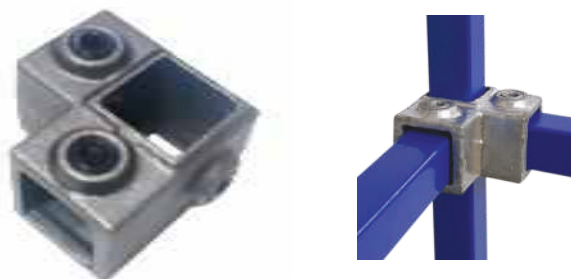
The Long Tee is designed to provide a butt joint between two pipes at right angles to each other. It allows the through pipe to be joined inside the fitting. Often used as to connect the top rail to an intermediate upright in a level installation.



Prod. No.	104-SQA	104-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE THREE WAY OPEN CONNER

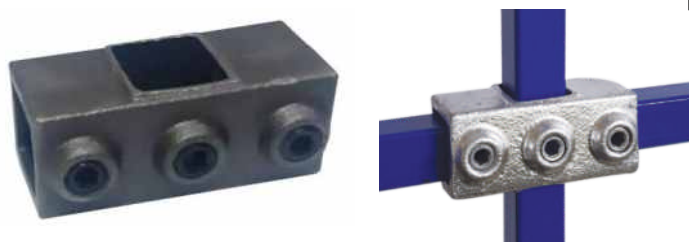
Most frequently paired to give a 90° corner joint for the middle rail of safety railing and other rectangular structures. the upright passes through the fitting.



Prod. No.	116-SQA	116-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE THREE SOCKET LONG TEE CLAMP

Usually paired to give a 90° joint between the middle rail and an intermediate upright on safety railing. the upright passes through the fitting.



Prod. No.	119-SQA	119-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE THREE SOCKET LONG TEE CLAMP 124

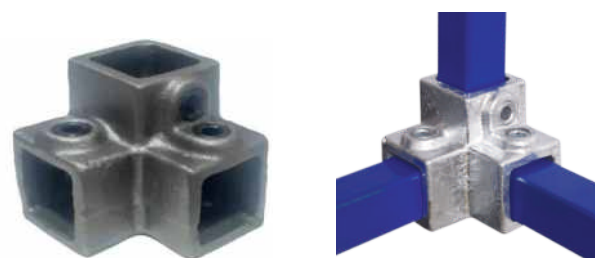
The Variable Elbow is designed to make joints at an angle of between 105° and 165°



Prod. No.	125-SQA	125-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE THREE WAY BLIND CONNER

A 90° corner joint most frequently used for the top rail of safety railing. it can also be considered for the corner joint of benches, work tables, and other rectangular structures



Prod. No.	128-SQA	128-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE BASE FLANGE

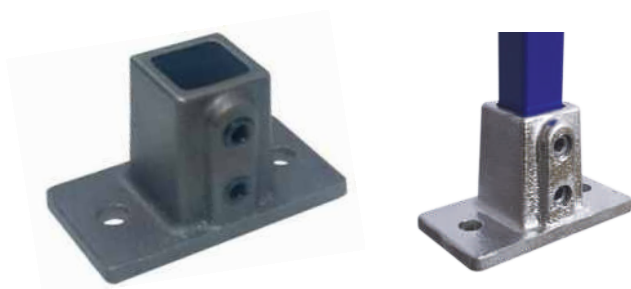
Square base used on structures where the fixing required is positional only. Frequently used as a wall fixing bracket. Holes provided for countersunk fathead screw fixings only.



Prod. No.	131-SQA	131-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE RAILING BASE FLANGE

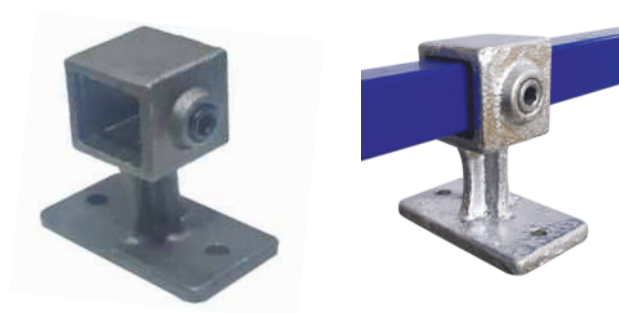
Ideal when a structural fixing is required for guard rail and balustrades. The holes are of sufficient diameter to insure proper fixing with either mechanical or chemical anchor. The two set screws in the vertical socket give greater side-load stability to the upright. It is recommended that the fixing holes in the flange should be in line with the applied load.



Prod. No.	132-SQA	132-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE RAIL SUPPORT

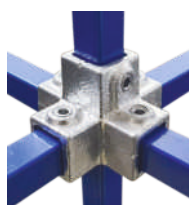
Designed to carry handrails along walls or to fix structures back to walls. The pipe passes through the fitting and cannot be joined with the fitting. It is also used to attach toe boards to the base of guardrail uprights. Holes provided for countersunk flat head screw fixings only.



Prod. No.	143-SQA	143-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE FOUR SOCKET CROSS 158

Most frequently used in multiple upright structures to tie a center upright with horizontal pipes in four directions. The upright passes through the fitting.



Prod. No.	158-SQA	158-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE BASE SWIVEL FLANGE KIT

A swivel fitting for attachment of angled pipe to a flat surface



Prod. No.	169-SQA	169-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE MALE SWIVEL

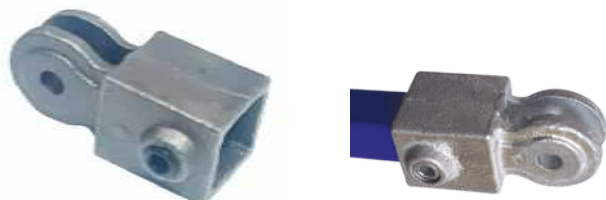
The Female Swivel is designed to be used in combination with 173F to make "Swivel Kits" used primarily for bracing, but can also be used to overcome problems with joints of odd or varying angles.



Prod. No.	173M-SQA	173M-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE MALE SWIVEL

The Female Swivel is designed to be used in combination to make "Swivel Kits" used primarily for bracing, but can also be used to overcome problems with joints of odd or varying angles.



Prod. No.	173F-SQA	173F-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE SINGLE SWIVEL SOCKET

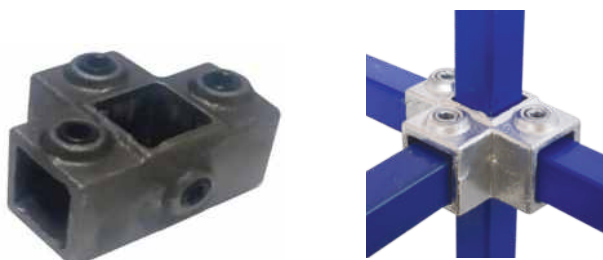
Complete combination fitting. Reducing combinations are available sizes DA1 through DE5.



Prod. No.	173-SQA	173-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE OUTLET TEE CLAMP

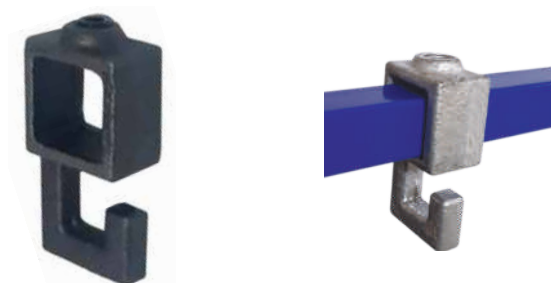
Most frequently used to tie uprights with horizontal pipes in three directions, all 90° to the upright. The upright passes through the fitting.



Prod. No.	176-SQA	176-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE HOOK STRIGHT

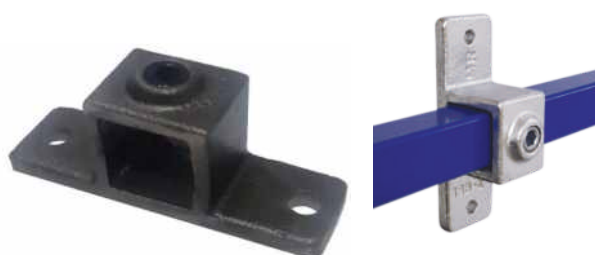
This link is mainly used to attach chains.



Prod. No.	183-SQA	183-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE DOUBLE MOUNTING RING 180°

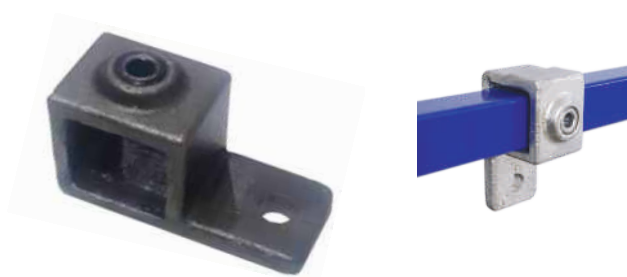
These pipe couplings have been developed to mount panels in pipe constructions, among other things.



Prod. No.	198-SQA	198-SQB
Pipe O.D (MM)	25.00	40.00

SQUARE SINGLE MOUNTING RING

These pipe couplings have been developed to mount panels in pipe constructions, among other things.



Prod. No.	199-SQA	199-SQB
Pipe O.D (MM)	25.00	40.00

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email inquiry

Use the space below to provide additional information or a sketch of your application. you can add any additional data sheets that may be useful. Number of pages faxed _____

[illegible]



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