

1 Hydraulics **3-284**

2 Hydraulic Quick Release Couplings **285-320**

3 Pneumatic Quick Release Couplings **321-406**

4 Monitor & Test **407-446**

5 Pneumatic & Vacuum **447-762**

6 Push-in Fittings & Tubing **763-918**

7 Valves & Actuation **919-1060**

8 Ring Main **1061-1136**

9 Hose Tails, Adaptors, Fittings & Manifolds **1137-1224**

10 Stainless Steel **1225-1332**

11 Malleable Iron **1333-1398**

12 Hose, Couplings, Ducting & Hose Reels **1399-1510**

13 Clips & Clamps **1511-1558**

14 Paint, Sprays & Adhesives **1559-1590**

15 Blow Guns, Vacuum & Nozzles **1591-1616**

16 Fuelling, Lubrication, Wash Down & Misting **1617-1696**

17 Compressors & Air Tools **1697-1726**

18 Hand Tools & PPE **1727-1765**

SECTION 11

Malleable Iron

11.01 Malleable Iron Fittings **1333-1376**

11.02 Barrel Nipples, Tube & Accessories **1377-1391**

11.03 Forged & Butt Weld Fittings **1392**

11.04 Handrail System **1393-1398**

SECTION 11

Malleable Iron

11.01 Malleable Iron Fittings

- Malleable Iron Fittings



1333-1376

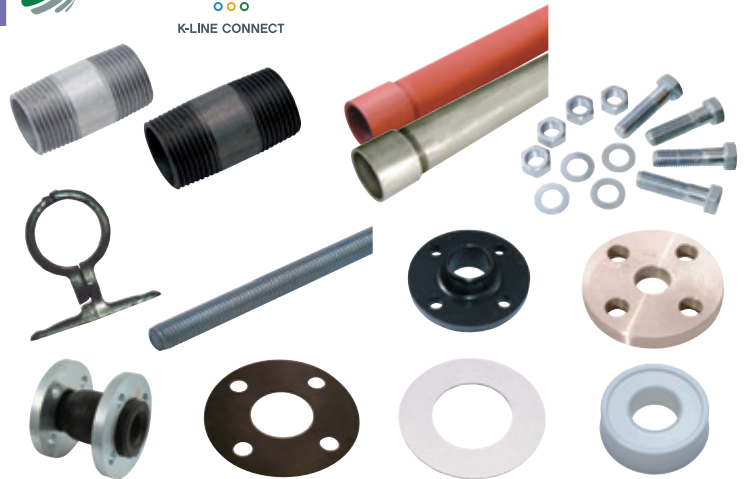


11.02 Barrel Nipples, Tube & Accessories

- Malleable Iron Fittings
- EN10255, EN10217-1 & BS1387 Steel Tube
- Flange Bolt Kits
- Malleable Iron Accessories
- Forged Steel Flanges
- Carbon Steel Flanges
- Flexible Rubber Bellows
- Flange Gaskets
- None Asbestos Flange Gaskets
- Jointing Compounds & Sealants



1377-1391



11.03 Forged & Butt Weld Fittings

- Butt Weld Fittings BS1640/ASTM A234WPB



1392



11.04 Handrail System

- Pipeclamps Handrail Systems
- The Swivel Range
- Disability Access



1393-1398





For the Engineers

FT Pro products are designed using advanced engineering techniques and the latest manufacturing technology to ensure that your applications benefit from the highest level of quality and performance.

Our products are engineered to be reliable and long-lasting, ensuring that your equipment operates smoothly and reliably throughout its lifespan. With FT Pro products, you can be confident that your applications will run efficiently and productive, no matter how demanding the conditions.

Trust FT Pro Product for the engineers from the engineers.



MASTERS OF MALLEABLE IRON

Malleable iron fittings are the most commonly used pipe fittings in the world, renowned for its durability and mechanical strength.

The fittings are used in a variety of systems including compressed air, water supply, central heating, sprinkler systems and air conditioning, as well as gas and steam systems. They are also used to convey non-aggressive liquids and gases.

Malleable iron fittings provide ring main solutions across various industries including construction, agriculture, mining, automotive and industrial. All fittings are specially coated to provide an anti-corrosive property as standard.



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Available in a black finish (usually for oil and gas fluid applications) and a galvanised finish (usually for water, air and steam installations).

All galvanised fittings are hot-dip zinc coated prior to machining to provide an electrochemical protection and increases resistance to corrosion.

The most extensive choice of **MALLEABLE IRON** to suit any application & any budget

The choice of fittings is very much dependent on the application, the engineer's preference and budget. With a choice of five brands, large stocks and speedy delivery, there's no need to look any further.

Brand	Duty	Fitting Variations*	Beaded	Banded	Thread	BSI Kitemark®	Up to 4"	Up to 5"	Up to 6"	WRAS approved	Max Temp	Max Working Pressure	Casting: ISO9222	Threads: ISO 7-1	Manufactured: according to EN 10142 and ISO 49	Design: ISO49, BS EN 10242w	Testing: BS 143 & 1256	Material: ASTM A-197, ASTM A47
K-Line Connect	Heavy	19		Y	Male Taper, Female Taper	Y	Y			Y	300**	25**	Y	Y	Y	Y	Y	Y
Crane	Heavy	36		Y	Male Taper, Female Taper	Y	Y			Y	300**	25**	Y	Y	Y	Y	Y	Y
EE	Heavy	26	Y		Male Taper, Female Parallel		Y				300**	25**	Y	Y	Y	Y		
GF	Heavy	42	Y		Male Taper, Female Parallel		Y	Y	Y		300**	25**	Y	Y	Y	Y	Y	

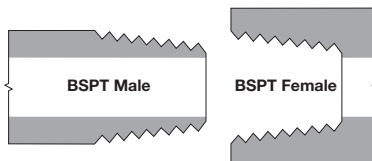
For full technical specification, please contact the manufacturer.

* Excludes brackets, nuts, flanges, plates and rings.

** Maximum temperature +120°C at maximum working pressure of 20 bar.

Banded Range

- BSPT Male, BSPT Female – EN10226-2
- British Kitemark
- Available in black or galvanised finish
- Choice of two heavy-duty brands: Crane or K-Line Connect



Tapered Pipe Thread to EN10226-2 Standard

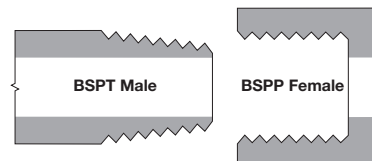
- 55° thread angle • Taper angle 1° 47'

Medium & Heavy-duty Barrel Nipples from FT Pro

- From 1/8" to 4" thread
- Lengths up to 300mm

Beaded Range

- Male Taper, Female Parallel – EN10226-1
- Available in black or galvanised finish
- Choice of two heavy-duty brands: GF and EE
- Heavy-duty ranges manufactured in accordance with EN 10142



Parallel Pipe Thread to EN10226-1 Standard

- 55° thread angle

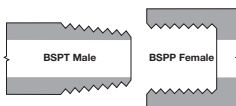
BS EN 10241 from K-Line Connect

- From 1/8" to 4" thread
- Lengths up to 300mm

MALLEABLE IRON FITTINGS


Maximum Working Pressure:

25 bar @ -20°C to +120°C
20 bar @ +300°C



Threads: Threads are in accordance to ISO7-1. All male threads are BSPT and female threads are BSPP.

Materials: Whiteheart malleable EN-GJMW-400-5 cast iron, grade W40-05 according to ISO5922/DIN-1692, and tested in accordance to EN 10242

Media: Suitable for the flow of water, steam, gas or other non aggressive media.

Surface Finishing:

Black: With an anti-corrosive varnish to protect against rust after installation prior to plant conditioning.

Galvanised: According to EN 10242, zinc coating weight relative to surface exceeds 500 g/m² (average layer thickness 70 micron).

Male Equal Hexagon Nipple (280)


Black, BSPT

1095	Thread
EE-MI280-14N	1/4"
EE-MI280-38N	3/8"
EE-MI280-12N	1/2"
EE-MI280-34N	3/4"
EE-MI280-1N	1"
EE-MI280-114N	1.1/4"
EE-MI280-112N	1.1/2"
EE-MI280-2N	2"
EE-MI280-212N	2.1/2"
EE-MI280-3N	3"
EE-MI280-4N	4"

Tech Sheet 20535

Galvanised, BSPT

1095	Thread
EE-MI280-14	1/4"
EE-MI280-38	3/8"
EE-MI280-12	1/2"
EE-MI280-34	3/4"
EE-MI280-1	1"
EE-MI280-114	1.1/4"
EE-MI280-112	1.1/2"
EE-MI280-2	2"
EE-MI280-212	2.1/2"
EE-MI280-3	3"
EE-MI280-4	4"

Tech Sheet 20535

Male Reducing Hexagon Nipple (245)


Black, BSPT

1095	Thread	Thread
EE-MI245-38-14N	3/8"	1/4"
EE-MI245-12-14N	1/2"	1/4"
EE-MI245-12-38N	1/2"	3/8"
EE-MI245-34-38N	3/4"	3/8"
EE-MI245-34-12N	3/4"	1/2"
EE-MI245-1-12N	1"	1/2"
EE-MI245-1-34N	1"	3/4"
EE-MI245-114-12N	1.1/4"	1/2"
EE-MI245-114-34N	1.1/4"	3/4"
EE-MI245-114-1N	1.1/4"	1"
EE-MI245-112-12N	1.1/2"	1/2"
EE-MI245-112-34N	1.1/2"	3/4"
EE-MI245-112-1N	1.1/2"	1"
EE-MI245-112114N	1.1/2"	1.1/4"
EE-MI245-2-1N	2"	1"
EE-MI245-2-114N	2"	1.1/4"
EE-MI245-2-112N	2"	1.1/2"
EE-MI245-212114N	2.1/2"	1.1/4"
EE-MI245-212112N	2.1/2"	1.1/2"
EE-MI245-212-2N	2.1/2"	2"
EE-MI245-3-2N	3"	2"
EE-MI245-3-212N	3"	2.1/2"

Tech Sheet 20535

Galvanised, BSPT

1095	Thread	Thread
EE-MI245-14-18	1/4"	1/8"
EE-MI245-38-14	3/8"	1/4"
EE-MI245-12-14	1/2"	1/4"
EE-MI245-12-38	1/2"	3/8"
EE-MI245-34-38	3/4"	3/8"
EE-MI245-34-12	3/4"	1/2"
EE-MI245-1-12	1"	1/2"
EE-MI245-1-34	1"	3/4"
EE-MI245-114-12	1.1/4"	1/2"
EE-MI245-114-34	1.1/4"	3/4"
EE-MI245-114-1	1.1/4"	1"
EE-MI245-112-34	1.1/2"	3/4"
EE-MI245-112-1	1.1/2"	1"
EE-MI245-112-114	1.1/2"	1.1/4"
EE-MI245-2-1	2"	1"
EE-MI245-2-114	2"	1.1/4"
EE-MI245-2-112	2"	1.1/2"
EE-MI245-212-112	2.1/2"	1.1/2"
EE-MI245-212-2	2.1/2"	2"
EE-MI245-3-2	3"	2"
EE-MI245-3-212	3"	2.1/2"

Tech Sheet 20535

MALLEABLE IRON FITTINGS



Male x Female Equal Union, Taper Seat (341)



Black, BSPP Female x BSPT Male

1095	Thread
EE-MI341-38N	3/8"
EE-MI341-12N	1/2"
EE-MI341-34N	3/4"
EE-MI341-1N	1"
EE-MI341-114N	1.1/4"
EE-MI341-112N	1.1/2"
EE-MI341-2N	2"
EE-MI341-212N	2.1/2"
EE-MI341-3N	3"

Tech Sheet 20539

Galvanised, BSPP Female x BSPT Male

1095	Thread
EE-MI341-38	3/8"
EE-MI341-12	1/2"
EE-MI341-34	3/4"
EE-MI341-1	1"
EE-MI341-114	1.1/4"
EE-MI341-112	1.1/2"
EE-MI341-2	2"
EE-MI341-212	2.1/2"
EE-MI341-3	3"
EE-MI341-4	4"

Tech Sheet 20539

Male x Female Reducing Bush (241)

Black, BSPP Female x BSPT Male

1095	Male Thread	Female Thread
EE-MI241-38-14N	3/8"	1/4"
EE-MI241-12-14N	1/2"	1/4"
EE-MI241-12-38N	1/2"	3/8"
EE-MI241-34-14N	3/4"	1/4"
EE-MI241-34-38N	3/4"	3/8"
EE-MI241-34-12N	3/4"	1/2"
EE-MI241-1-38N	1"	3/8"
EE-MI241-1-12N	1"	1/2"
EE-MI241-1-34N	1"	3/4"
EE-MI241-114-12N	1.1/4"	1/2"
EE-MI241-114-34N	1.1/4"	3/4"
EE-MI241-114-1N	1.1/4"	1"
EE-MI241-112-12N	1.1/2"	1/2"
EE-MI241-112-34N	1.1/2"	3/4"
EE-MI241-112-1N	1.1/2"	1"
EE-MI241-112114N	1.1/2"	1.1/4"
EE-MI241-2-12N	2"	1/2"
EE-MI241-2-34N	2"	3/4"
EE-MI241-2-1N	2"	1"
EE-MI241-2-114N	2"	1.1/4"
EE-MI241-2-112N	2"	1.1/2"
EE-MI241-212-1N	2.1/2"	1"
EE-MI241-212112N	2.1/2"	1.1/2"
EE-MI241-212-2N	2.1/2"	2"
EE-MI241-3-114N	3"	1.1/4"
EE-MI241-3-112N	3"	1.1/2"
EE-MI241-3-2N	3"	2"
EE-MI241-3-212N	3"	2.1/2"
EE-MI241-4-2N	4"	2"

Tech Sheet 20534



Galvanised, BSPP Female x BSPT Male

1095	Male Thread	Female Thread
EE-MI241-38-14	3/8"	1/4"
EE-MI241-12-14	1/2"	1/4"
EE-MI241-12-38	1/2"	3/8"
EE-MI241-34-14	3/4"	1/4"
EE-MI241-34-38	3/4"	3/8"
EE-MI241-34-12	3/4"	1/2"
EE-MI241-1-38	1"	3/8"
EE-MI241-1-12	1"	1/2"
EE-MI241-1-34	1"	3/4"
EE-MI241-114-38	1.1/4"	3/8"
EE-MI241-114-12	1.1/4"	1/2"
EE-MI241-114-34	1.1/4"	3/4"
EE-MI241-114-1	1.1/4"	1"
EE-MI241-112-12	1.1/2"	1/2"
EE-MI241-112-34	1.1/2"	3/4"
EE-MI241-112-1	1.1/2"	1"
EE-MI241-112-114	1.1/2"	1.1/4"
EE-MI241-2-12	2"	1/2"
EE-MI241-2-34	2"	3/4"
EE-MI241-2-1	2"	1"
EE-MI241-2-114	2"	1.1/4"
EE-MI241-2-112	2"	1.1/2"
EE-MI241-212-1	2.1/2"	1"
EE-MI241-212-114	2.1/2"	1.1/4"
EE-MI241-212-112	2.1/2"	1.1/2"
EE-MI241-212-2	2.1/2"	2"
EE-MI241-3-1	3"	1"
EE-MI241-3-112	3"	1.1/2"
EE-MI241-3-2	3"	2"
EE-MI241-3-212	3"	2.1/2"
EE-MI241-4-2	4"	2"
EE-MI241-4-212	4"	2.1/2"
EE-MI241-4-3	4"	3"

Tech Sheet 20534

Male x Female Reducing Socket (246)



Black, BSPP Female x BSPT Male

1095	Female Thread	Male Thread
EE-MI246-38-14N	3/8"	1/4"
EE-MI246-12-14N	1/2"	1/4"
EE-MI246-12-38N	1/2"	3/8"
EE-MI246-34-38N	3/4"	3/8"
EE-MI246-34-12N	3/4"	1/2"
EE-MI246-1-12N	1"	1/2"
EE-MI246-1-34N	1"	3/4"
EE-MI246-114-34N	1.1/4"	3/4"
EE-MI246-114-1N	1.1/4"	1"
EE-MI246-112-1N	1.1/2"	1"
EE-MI246-112114N	1.1/2"	1.1/4"
EE-MI246-2-114N	2"	1.1/4"
EE-MI246-2-112N	2"	1.1/2"

Tech Sheet 20536

Galvanised, BSPP Female x BSPT Male

1095	Female Thread	Male Thread
EE-MI246-38-14	3/8"	1/4"
EE-MI246-12-14	1/2"	1/4"
EE-MI246-12-38	1/2"	3/8"
EE-MI246-34-38	3/4"	3/8"
EE-MI246-34-12	3/4"	1/2"
EE-MI246-1-12	1"	1/2"
EE-MI246-1-34	1"	3/4"
EE-MI246-114-34	1.1/4"	3/4"
EE-MI246-114-1	1.1/4"	1"
EE-MI246-112-1	1.1/2"	1"
EE-MI246-112-114	1.1/2"	1.1/4"
EE-MI246-2-114	2"	1.1/4"
EE-MI246-2-112	2"	1.1/2"

Tech Sheet 20536

Male x Female Socket (529A)



Galvanised, BSPT Male x BSPP Female

1095	Thread
EE-MI529A-12	1/2"
EE-MI529A-34	3/4"
EE-MI529A-1	1"

MALLEABLE IRON FITTINGS



Female Equal Socket (270)



Black, BSPP

1095	Thread
EE-MI270-14N	1/4"
EE-MI270-38N	3/8"
EE-MI270-12N	1/2"
EE-MI270-34N	3/4"
EE-MI270-1N	1"
EE-MI270-114N	1.1/4"
EE-MI270-112N	1.1/2"
EE-MI270-2N	2"
EE-MI270-212N	2.1/2"
EE-MI270-3N	3"
EE-MI270-4N	4"

Tech Sheet 20537

Galvanised, BSPP

1095	Thread
EE-MI270-14	1/4"
EE-MI270-38	3/8"
EE-MI270-12	1/2"
EE-MI270-34	3/4"
EE-MI270-1	1"
EE-MI270-114	1.1/4"
EE-MI270-112	1.1/2"
EE-MI270-2	2"
EE-MI270-212	2.1/2"
EE-MI270-3	3"
EE-MI270-4	4"

Tech Sheet 20537

Female Reducing Socket (240)



Black, BSPP

1095	Thread	Thread
EE-MI240-38-14N	3/8"	1/4"
EE-MI240-12-14N	1/2"	1/4"
EE-MI240-12-38N	1/2"	3/8"
EE-MI240-34-38N	3/4"	3/8"
EE-MI240-34-12N	3/4"	1/2"
EE-MI240-1-38N	1"	3/8"
EE-MI240-1-12N	1"	1/2"
EE-MI240-1-34N	1"	3/4"
EE-MI240-114-38N	1.1/4"	3/8"
EE-MI240-114-12N	1.1/4"	1/2"
EE-MI240-114-34N	1.1/4"	3/4"
EE-MI240-114-1N	1.1/4"	1"
EE-MI240-112-12N	1.1/2"	1/2"
EE-MI240-112-34N	1.1/2"	3/4"
EE-MI240-112-1N	1.1/2"	1"
EE-MI240-112114N	1.1/2"	1.1/4"
EE-MI240-2-12N	2"	1/2"
EE-MI240-2-34N	2"	3/4"
EE-MI240-2-1N	2"	1"
EE-MI240-2-114N	2"	1.1/4"
EE-MI240-2-112N	2"	1.1/2"
EE-MI240-212114N	2.1/2"	1.1/4"
EE-MI240-212112N	2.1/2"	1.1/2"
EE-MI240-212-2N	2.1/2"	2"
EE-MI240-3-112N	3"	1.1/2"
EE-MI240-3-2N	3"	2"
EE-MI240-3-212N	3"	2.1/2"

Tech Sheet 20533

Galvanised, BSPP

1095	Thread	Thread
EE-MI240-38-14	3/8"	1/4"
EE-MI240-12-14	1/2"	1/4"
EE-MI240-12-38	1/2"	3/8"
EE-MI240-34-38	3/4"	3/8"
EE-MI240-34-12	3/4"	1/2"
EE-MI240-1-38	1"	3/8"
EE-MI240-1-12	1"	1/2"
EE-MI240-1-34	1"	3/4"
EE-MI240-114-38	1.1/4"	3/8"
EE-MI240-114-12	1.1/4"	1/2"
EE-MI240-114-34	1.1/4"	3/4"
EE-MI240-114-1	1.1/4"	1"
EE-MI240-112-12	1.1/2"	1/2"
EE-MI240-112-34	1.1/2"	3/4"
EE-MI240-112-1	1.1/2"	1"
EE-MI240-112-114	1.1/2"	1.1/4"
EE-MI240-2-12	2"	1/2"
EE-MI240-2-34	2"	3/4"
EE-MI240-2-1	2"	1"
EE-MI240-2-114	2"	1.1/4"
EE-MI240-2-112	2"	1.1/2"
EE-MI240-212-1	2.1/2"	1"
EE-MI240-212-2	2.1/2"	2"
EE-MI240-3-2	3"	2"
EE-MI240-3-212	3"	2.1/2"
EE-MI240-4-2	4"	2"
EE-MI240-4-3	4"	3"

Tech Sheet 20533



For Screwed & Socketed Steel Tubing
see page 1383

MALLEABLE IRON FITTINGS



Female Equal Union, Taper Seat (340)



Black, BSPP

1095	Thread
EE-MI340-38N	3/8"
EE-MI340-12N	1/2"
EE-MI340-34N	3/4"
EE-MI340-1N	1"
EE-MI340-114N	1.1/4"
EE-MI340-112N	1.1/2"
EE-MI340-2N	2"
EE-MI340-212N	2.1/2"
EE-MI340-3N	3"

Tech Sheet 20538

Galvanised, BSPP

1095	Thread
EE-MI340-38	3/8"
EE-MI340-12	1/2"
EE-MI340-34	3/4"
EE-MI340-1	1"
EE-MI340-114	1.1/4"
EE-MI340-112	1.1/2"
EE-MI340-2	2"
EE-MI340-212	2.1/2"
EE-MI340-3	3"
EE-MI340-4	4"

Tech Sheet 20538

Plug, Hollow Beaded (290)



Black, BSPT

1095	Thread
EE-MI290-14N	1/4"
EE-MI290-38N	3/8"
EE-MI290-12N	1/2"
EE-MI290-34N	3/4"
EE-MI290-1N	1"
EE-MI290-114N	1.1/4"
EE-MI290-112N	1.1/2"
EE-MI290-2N	2"
EE-MI290-212N	2.1/2"
EE-MI290-3N	3"
EE-MI290-4N	4"

Tech Sheet 20538

Galvanised, BSPT

1095	Thread
EE-MI290-14	1/4"
EE-MI290-38	3/8"
EE-MI290-12	1/2"
EE-MI290-34	3/4"
EE-MI290-1	1"
EE-MI290-114	1.1/4"
EE-MI290-112	1.1/2"
EE-MI290-2	2"
EE-MI290-212	2.1/2"
EE-MI290-3	3"
EE-MI290-4	4"

Tech Sheet 20538

Cap, Hexagonal (300)



Black, BSPP

1095	Thread
EE-MI300-14N	1/4"
EE-MI300-38N	3/8"
EE-MI300-12N	1/2"
EE-MI300-34N	3/4"
EE-MI300-1N	1"
EE-MI300-114N	1.1/4"
EE-MI300-112N	1.1/2"
EE-MI300-2N	2"
EE-MI300-212N	2.1/2"
EE-MI300-3N	3"
EE-MI300-4N	4"

Tech Sheet 20538

Galvanised, BSPP

1095	Thread
EE-MI300-14	1/4"
EE-MI300-38	3/8"
EE-MI300-12	1/2"
EE-MI300-34	3/4"
EE-MI300-1	1"
EE-MI300-114	1.1/4"
EE-MI300-112	1.1/2"
EE-MI300-2	2"
EE-MI300-212	2.1/2"
EE-MI300-3	3"
EE-MI300-4	4"

Tech Sheet 20538

Cap, Rounded (301)



Black, BSPP

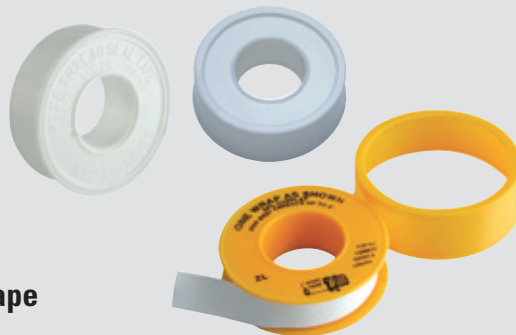
1095	Thread
EE-MI301-38N	3/8"
EE-MI301-12N	1/2"
EE-MI301-34N	3/4"
EE-MI301-1N	1"
EE-MI301-112N	1.1/2"
EE-MI301-2N	2"

Tech Sheet 20538

Galvanised, BSPP

1095	Thread
EE-MI301-38	3/8"
EE-MI301-12	1/2"
EE-MI301-34	3/4"
EE-MI301-1	1"
EE-MI301-112	1.1/2"
EE-MI301-2	2"

Tech Sheet 20538



For PTFE Sealing Tape see page 1391

MALLEABLE IRON FITTINGS



Backnut (310)



Black, BSPP

1095	Thread
EE-MI310-14N	1/4"
EE-MI310-38N	3/8"
EE-MI310-12N	1/2"
EE-MI310-34N	3/4"
EE-MI310-1N	1"
EE-MI310-114N	1.1/4"
EE-MI310-112N	1.1/2"
EE-MI310-2N	2"
EE-MI310-212N	2.1/2"
EE-MI310-3N	3"

Tech Sheet 20539

Galvanised, BSPP

1095	Thread
EE-MI310-14	1/4"
EE-MI310-38	3/8"
EE-MI310-12	1/2"
EE-MI310-34	3/4"
EE-MI310-1	1"
EE-MI310-114	1.1/4"
EE-MI310-112	1.1/2"
EE-MI310-2	2"
EE-MI310-212	2.1/2"
EE-MI310-3	3"

Tech Sheet 20539

Male x Female Equal Elbow 90° (92)



Black, BSPP Female x BSPT Male

1095	Thread
EE-MI92-14N	1/4"
EE-MI92-38N	3/8"
EE-MI92-12N	1/2"
EE-MI92-34N	3/4"
EE-MI92-1N	1"
EE-MI92-114N	1.1/4"
EE-MI92-112N	1.1/2"
EE-MI92-2N	2"
EE-MI92-212N	2.1/2"
EE-MI92-3N	3"
EE-MI92-4N	4"

Tech Sheet 20529

Galvanised, BSPP Female x BSPT Male

1095	Thread
EE-MI92-14	1/4"
EE-MI92-38	3/8"
EE-MI92-12	1/2"
EE-MI92-34	3/4"
EE-MI92-1	1"
EE-MI92-114	1.1/4"
EE-MI92-112	1.1/2"
EE-MI92-2	2"
EE-MI92-212	2.1/2"
EE-MI92-3	3"
EE-MI92-4	4"

Tech Sheet 20529

Female Equal Elbow 90° (90)



Black, BSPP

1095	Thread
EE-MI90-14N	1/4"
EE-MI90-38N	3/8"
EE-MI90-12N	1/2"
EE-MI90-34N	3/4"
EE-MI90-1N	1"
EE-MI90-114N	1.1/4"
EE-MI90-112N	1.1/2"
EE-MI90-2N	2"
EE-MI90-212N	2.1/2"
EE-MI90-3N	3"
EE-MI90-4N	4"

Tech Sheet 20529

Galvanised, BSPP

1095	Thread
EE-MI90-14	1/4"
EE-MI90-38	3/8"
EE-MI90-12	1/2"
EE-MI90-34	3/4"
EE-MI90-1	1"
EE-MI90-114	1.1/4"
EE-MI90-112	1.1/2"
EE-MI90-2	2"
EE-MI90-212	2.1/2"
EE-MI90-3	3"
EE-MI90-4	4"

Tech Sheet 20529

Male Equal Elbow 90°



Black, BSPT

1095	Thread
EE-MI94-12N	1/2"
EE-MI94-34N	3/4"
EE-MI94-1N	1"

Galvanised, BSPT

1095	Thread
EE-MI94-12	1/2"
EE-MI94-34	3/4"
EE-MI94-1	1"

Male x Female Union Elbow 90°, Taper Seat (98)



Black, BSPP Female x BSPT Male

1095	Thread
EE-MI98-38N	3/8"
EE-MI98-12N	1/2"
EE-MI98-34N	3/4"
EE-MI98-1N	1"
EE-MI98-114N	1.1/4"
EE-MI98-112N	1.1/2"
EE-MI98-2N	2"

Tech Sheet 20529

Galvanised, BSPP Female x BSPT Male

1095	Thread
EE-MI98-38	3/8"
EE-MI98-12	1/2"
EE-MI98-34	3/4"
EE-MI98-1	1"
EE-MI98-114	1.1/4"
EE-MI98-112	1.1/2"
EE-MI98-2	2"

Tech Sheet 20529

MALLEABLE IRON FITTINGS



Female Equal Union Elbow 90°, Taper Seat (96)



Black, BSPP

1095	Thread
EE-MI96-38N	3/8"
EE-MI96-12N	1/2"
EE-MI96-34N	3/4"
EE-MI96-1N	1"
EE-MI96-114N	1.1/4"
EE-MI96-112N	1.1/2"
EE-MI96-2N	2"

Tech Sheet 20529

Galvanised, BSPP

1095	Thread
EE-MI96-38	3/8"
EE-MI96-12	1/2"
EE-MI96-34	3/4"
EE-MI96-1	1"
EE-MI96-114	1.1/4"
EE-MI96-112	1.1/2"
EE-MI96-2	2"

Tech Sheet 20529

Female Equal Elbow 45° (120)



Black, BSPP

1095	Thread
EE-MI120-12N	1/2"
EE-MI120-34N	3/4"
EE-MI120-1N	1"

Galvanised, BSPP

1095	Thread
EE-MI120-12	1/2"
EE-MI120-34	3/4"
EE-MI120-1	1"

Female Reducing Elbow 90° (90R)



Black, BSPP

1095	Thread	Thread
EE-MI90-12-38N	1/2"	3/8"
EE-MI90-34-12N	3/4"	1/2"
EE-MI90-1-12N	1"	1/2"
EE-MI90-1-34N	1"	3/4"
EE-MI90-114-1N	1.1/4"	1"
EE-MI90-112-1N	1.1/2"	1"
EE-MI90-112-114N	1.1/2"	1.1/4"
EE-MI90-2-114N	2"	1.1/4"
EE-MI90-2-112N	2"	1.1/2"

Tech Sheet 20529

Galvanised, BSPP

1095	Thread	Thread
EE-MI90-12-38	1/2"	3/8"
EE-MI90-34-38	3/4"	3/8"
EE-MI90-34-12	3/4"	1/2"
EE-MI90-1-12	1"	1/2"
EE-MI90-1-34	1"	3/4"
EE-MI90-114-1	1.1/4"	1"
EE-MI90-112-34	1.1/2"	3/4"
EE-MI90-112-1	1.1/2"	1"
EE-MI90-112-114	1.1/2"	1.1/4"
EE-MI90-2-1	2"	1"
EE-MI90-2-114	2"	1.1/4"
EE-MI90-2-112	2"	1.1/2"

Tech Sheet 20529

Male x Female Reducing Elbow 90° (92R)



Galvanised, BSPP Female x BSPT Male

1095	Female Thread	Male Thread
EE-MI92-12-38	1/2"	3/8"
EE-MI92-34-12	3/4"	1/2"
EE-MI92-1-34	1"	3/4"

Black, BSPP Female x BSPT Male

1095	Female Thread	Male Thread
EE-MI92-12-38N	1/2"	3/8"
EE-MI92-34-12N	3/4"	1/2"
EE-MI92-1-34N	1"	3/4"

Female Equal Side Outlet Elbow (221)



Black, BSPP

1095	Thread
EE-MI221-38N	3/8"
EE-MI221-12N	1/2"
EE-MI221-34N	3/4"
EE-MI221-1N	1"
EE-MI221-114N	1.1/4"
EE-MI221-112N	1.1/2"
EE-MI221-2N	2"

Tech Sheet 20532

Galvanised, BSPP

1095	Thread
EE-MI221-38	3/8"
EE-MI221-12	1/2"
EE-MI221-34	3/4"
EE-MI221-1	1"
EE-MI221-114	1.1/4"
EE-MI221-112	1.1/2"
EE-MI221-2	2"

Tech Sheet 20532

Female Equal Bracket Elbow (471)



Galvanised, BSPP

1095	Thread
EE-MI471-12	1/2"
EE-MI471-34	3/4"

Black, BSPP

1095	Thread
EE-MI471-12N	1/2"
EE-MI471-34N	3/4"

MALLEABLE IRON FITTINGS

Male Equal Bend 90° (3)



Black, BSPT

1095	Thread
EE-MI3-12N	1/2"
EE-MI3-34N	3/4"
EE-MI3-1N	1"

Tech Sheet 20528

Galvanised, BSPT

1095	Thread
EE-MI3-12	1/2"
EE-MI3-34	3/4"
EE-MI3-1	1"

Tech Sheet 20528

Male x Female Equal Bend 90° (1)



Black, BSPP Female x BSPT Male

1095	Thread
EE-MI1-14N	1/4"
EE-MI1-38N	3/8"
EE-MI1-12N	1/2"
EE-MI1-34N	3/4"
EE-MI1-1N	1"
EE-MI1-114N	1.1/4"
EE-MI1-112N	1.1/2"
EE-MI1-2N	2"
EE-MI1-212N	2.1/2"
EE-MI1-3N	3"

Tech Sheet 20528

Galvanised, BSPP Female x BSPT Male

1095	Thread
EE-MI1-14	1/4"
EE-MI1-38	3/8"
EE-MI1-12	1/2"
EE-MI1-34	3/4"
EE-MI1-1	1"
EE-MI1-114	1.1/4"
EE-MI1-112	1.1/2"
EE-MI1-2	2"
EE-MI1-212	2.1/2"
EE-MI1-3	3"
EE-MI1-4	4"

Tech Sheet 20528

Female Equal Bend 90° (2)



Black, BSPP

1095	Thread
EE-MI2-14N	1/4"
EE-MI2-38N	3/8"
EE-MI2-12N	1/2"
EE-MI2-34N	3/4"
EE-MI2-1N	1"
EE-MI2-114N	1.1/4"
EE-MI2-112N	1.1/2"
EE-MI2-2N	2"
EE-MI2-3N	3"

Tech Sheet 20528

Galvanised, BSPP

1095	Thread
EE-MI2-14	1/4"
EE-MI2-38	3/8"
EE-MI2-12	1/2"
EE-MI2-34	3/4"
EE-MI2-1	1"
EE-MI2-114	1.1/4"
EE-MI2-112	1.1/2"
EE-MI2-2	2"
EE-MI2-212	2.1/2"
EE-MI2-3	3"
EE-MI2-4	4"

Tech Sheet 20528

Female Equal Short Bend 90° (2A)



Black, BSPP

1095	Thread
EE-MI2A-38N	3/8"
EE-MI2A-12N	1/2"
EE-MI2A-34N	3/4"
EE-MI2A-1N	1"
EE-MI2A-114N	1.1/4"
EE-MI2A-112N	1.1/2"
EE-MI2A-2N	2"

Galvanised, BSPP

1095	Thread
EE-MI2A-12	1/2"
EE-MI2A-34	3/4"
EE-MI2A-1	1"
EE-MI2A-114	1.1/4"
EE-MI2A-112	1.1/2"
EE-MI2A-2	2"

Male x Female Equal Short Bend 90° (1A)



Black, BSPT Male x BSPP Female

1095	Thread
EE-MI1A-38N	3/8"
EE-MI1A-12N	1/2"
EE-MI1A-34N	3/4"
EE-MI1A-1N	1"
EE-MI1A-114N	1.1/4"
EE-MI1A-112N	1.1/2"
EE-MI1A-2N	2"

Galvanised, BSPT Male x BSPP Female

1095	Thread
EE-MI1A-38	3/8"
EE-MI1A-12	1/2"
EE-MI1A-34	3/4"
EE-MI1A-1	1"
EE-MI1A-114	1.1/4"
EE-MI1A-112	1.1/2"
EE-MI1A-2	2"

MALLEABLE IRON FITTINGS

Male x Female Equal Bend 45° (40)



Black, BSPP Female x BSPT Male

1095	Thread
EE-MI40-14N	1/4"
EE-MI40-38N	3/8"
EE-MI40-12N	1/2"
EE-MI40-34N	3/4"
EE-MI40-1N	1"
EE-MI40-114N	1.1/4"
EE-MI40-112N	1.1/2"
EE-MI40-2N	2"

Tech Sheet 20528

Galvanised, BSPP Female x BSPT Male

1095	Thread
EE-MI40-14	1/4"
EE-MI40-38	3/8"
EE-MI40-12	1/2"
EE-MI40-34	3/4"
EE-MI40-1	1"
EE-MI40-114	1.1/4"
EE-MI40-112	1.1/2"
EE-MI40-2	2"
EE-MI40-212	2.1/2"
EE-MI40-3	3"
EE-MI40-4	4"

Tech Sheet 20528

Female Equal Bend 45° (41)



Black, BSPP

1095	Thread
EE-MI41-38N	3/8"
EE-MI41-12N	1/2"
EE-MI41-34N	3/4"
EE-MI41-1N	1"
EE-MI41-114N	1.1/4"
EE-MI41-112N	1.1/2"
EE-MI41-2N	2"
EE-MI41-212N	2.1/2"

Tech Sheet 20528

Galvanised, BSPP

1095	Thread
EE-MI41-38	3/8"
EE-MI41-12	1/2"
EE-MI41-34	3/4"
EE-MI41-1	1"
EE-MI41-114	1.1/4"
EE-MI41-112	1.1/2"
EE-MI41-2	2"
EE-MI41-212	2.1/2"
EE-MI41-3	3"

Tech Sheet 20528

Female Equal Tee (130)



Black, BSPP

1095	Thread
EE-MI130-14N	1/4"
EE-MI130-38N	3/8"
EE-MI130-12N	1/2"
EE-MI130-34N	3/4"
EE-MI130-1N	1"
EE-MI130-114N	1.1/4"
EE-MI130-112N	1.1/2"
EE-MI130-2N	2"
EE-MI130-3N	3"
EE-MI130-4N	4"

Tech Sheet 20530

Galvanised, BSPP

1095	Thread
EE-MI130-14	1/4"
EE-MI130-38	3/8"
EE-MI130-12	1/2"
EE-MI130-34	3/4"
EE-MI130-1	1"
EE-MI130-114	1.1/4"
EE-MI130-112	1.1/2"
EE-MI130-2	2"
EE-MI130-212	2.1/2"
EE-MI130-3	3"
EE-MI130-4	4"

Tech Sheet 20530

Female Equal Pitcher Tee (131)



Black, BSPP

1095	Thread
EE-MI131-12N	1/2"
EE-MI131-34N	3/4"
EE-MI131-1N	1"
EE-MI131-114N	1.1/4"
EE-MI131-112N	1.1/2"
EE-MI131-2N	2"

Tech Sheet 20530

Galvanised, BSPP

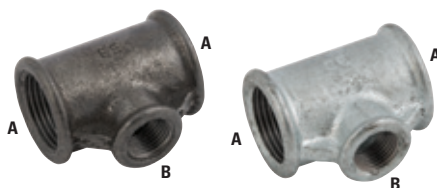
1095	Thread
EE-MI131-12	1/2"
EE-MI131-34	3/4"
EE-MI131-1	1"
EE-MI131-114	1.1/4"
EE-MI131-112	1.1/2"
EE-MI131-2	2"

Tech Sheet 20530

MALLEABLE IRON FITTINGS



Female Unequal Reducing Branch Tee (130)



Black, BSPP

1095	Thread A	Thread B
EE-MI130-38-14N	3/8"	1/4"
EE-MI130-12-14N	1/2"	1/4"
EE-MI130-12-38N	1/2"	3/8"
EE-MI130-34-14N	3/4"	1/4"
EE-MI130-34-38N	3/4"	3/8"
EE-MI130-34-12N	3/4"	1/2"
EE-MI130-1-38N	1"	3/8"
EE-MI130-1-12N	1"	1/2"
EE-MI130-1-34N	1"	3/4"
EE-MI130-114-12N	1.1/4"	1/2"
EE-MI130-114-34N	1.1/4"	3/4"
EE-MI130-114-1N	1.1/4"	1"
EE-MI130-112-12N	1.1/2"	1/2"
EE-MI130-112-34N	1.1/2"	3/4"
EE-MI130-112-1N	1.1/2"	1"
EE-MI130-112114N	1.1/2"	1.1/4"
EE-MI130-2-12N	2"	1/2"
EE-MI130-2-34N	2"	3/4"
EE-MI130-2-1N	2"	1"
EE-MI130-2-114N	2"	1.1/4"
EE-MI130-2-112N	2"	1.1/2"
EE-MI130-212-1N	2.1/2"	1"
EE-MI130-212114N	2.1/2"	1.1/4"
EE-MI130-212112N	2.1/2"	1.1/2"
EE-MI130-212-2N	2.1/2"	2"
EE-MI130-3-112N	3"	1.1/2"
EE-MI130-3-2N	3"	2"
EE-MI130-3-212N	3"	2.1/2"
EE-MI130-4-2N	4"	2"
EE-MI130-4-3N	4"	3"

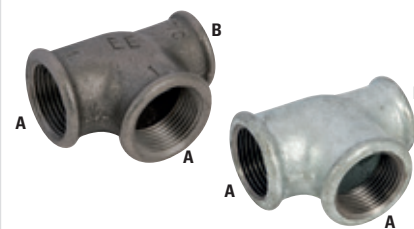
Tech Sheet 20530

Galvanised, BSPP

1095	Thread A	Thread B
EE-MI130-38-14	3/8"	1/4"
EE-MI130-12-14	1/2"	1/4"
EE-MI130-12-38	1/2"	3/8"
EE-MI130-34-14	3/4"	1/4"
EE-MI130-34-38	3/4"	3/8"
EE-MI130-34-12	3/4"	1/2"
EE-MI130-1-38	1"	3/8"
EE-MI130-1-12	1"	1/2"
EE-MI130-1-34	1"	3/4"
EE-MI130-114-12	1.1/4"	1/2"
EE-MI130-114-34	1.1/4"	3/4"
EE-MI130-114-1	1.1/4"	1"
EE-MI130-112-12	1.1/2"	1/2"
EE-MI130-112-34	1.1/2"	3/4"
EE-MI130-112-1	1.1/2"	1"
EE-MI130-112-114	1.1/2"	1.1/4"
EE-MI130-2-12	2"	1/2"
EE-MI130-2-34	2"	3/4"
EE-MI130-2-1	2"	1"
EE-MI130-2-114	2"	1.1/4"
EE-MI130-2-112	2"	1.1/2"
EE-MI130-212-34	2.1/2"	3/4"
EE-MI130-212-1	2.1/2"	1"
EE-MI130-212-112	2.1/2"	1.1/2"
EE-MI130-212-2	2.1/2"	2"
EE-MI130-3-112	3"	1.1/2"
EE-MI130-3-2	3"	2"
EE-MI130-3-212	3"	2.1/2"
EE-MI130-4-2	4"	2"
EE-MI130-4-3	4"	3"

Tech Sheet 20530

Female Unequal Reducing Run Tee (130B)



Black, BSPP

1095	Thread A	Thread B
EEMI30-12-38-12N	1/2"	3/8"
EEMI30-34-12-34N	3/4"	1/2"
EEMI30-1-12-1N	1"	1/2"
EEMI30-1-34-1N	1"	3/4"
EEMI3011434114N	1.1/4"	3/4"
EEMI301141114N	1.1/4"	1"
EEMI30112114112N	1.1/2"	1.1/4"

Galvanised, BSPP

1095	Thread A	Thread B
EEMI30-12-38-12	1/2"	3/8"
EEMI30-34-12-34	3/4"	1/2"
EEMI30-1-12-1	1"	1/2"
EEMI30-1-34-1	1"	3/4"
EEMI3011434114	1.1/4"	3/4"
EEMI301141114	1.1/4"	1"
EEMI30112114112	1.1/2"	1.1/4"

Female Unequal Increasing Branch Tee (130)



Black, BSPP

1095	Thread A	Thread B
EE-MI130-38-12N	3/8"	1/2"
EE-MI130-12-34N	1/2"	3/4"
EE-MI130-12-1N	1/2"	1"
EE-MI130-34-1N	3/4"	1"
EE-MI130-1-114N	1"	1.1/4"
EE-MI130-1-112N	1"	1.1/2"
EE-MI130-114112N	1.1/4"	1.1/2"
EE-MI130-114-2N	1.1/4"	2"
EE-MI130-112-2N	1.1/2"	2"
EE-MI130-2-212N	2"	2.1/2"
EE-MI130-2-3N	2"	3"

Tech Sheet 20530

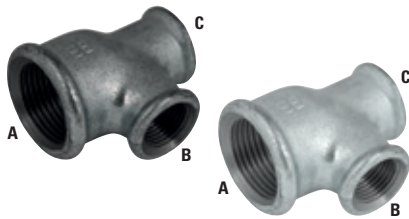
Galvanised, BSPP

1095	Thread A	Thread B
EE-MI130-38-12	3/8"	1/2"
EE-MI130-12-34	1/2"	3/4"
EE-MI130-12-1	1/2"	1"
EE-MI130-34-1	3/4"	1"
EE-MI130-1-114	1"	1.1/4"
EE-MI130-1-112	1"	1.1/2"
EE-MI130-114-112	1.1/4"	1.1/2"
EE-MI130-114-2	1.1/4"	2"
EE-MI130-112-2	1.1/2"	2"
EE-MI130-2-212	2"	2.1/2"
EE-MI130-2-3	2"	3"

Tech Sheet 20530

MALLEABLE IRON FITTINGS

Female Unequal Reducing Run & Branch Tee



Black, BSPP

1095	Thread A	Thread B	Thread C
EEMI30C123838N	1/2"	3/8"	3/8"
EEMI30C343812N	3/4"	3/8"	1/2"
EEMI30C341212N	3/4"	1/2"	1/2"
EEMI30C11212N	1"	1/2"	1/2"
EEMI30C11234N	1"	1/2"	3/4"
EEMI30C13434N	1"	3/4"	3/4"
EEMI30C114121N	1.1/4"	1/2"	1"
EEMI30C1143434N	1.1/4"	3/4"	3/4"
EEMI30C114341N	1.1/4"	3/4"	1"
EEMI30C11411N	1.1/4"	1"	1"
EEMI30C1121234N	1.1/2"	1/2"	3/4"
EEMI30C112134N	1.1/2"	1"	3/4"
EEMI30C11211N	1.1/2"	1"	1"
EEMI30C1121114N	1.1/2"	1"	1.1/4"
EEMI30C112114114N	1.1/2"	1.1/4"	1.1/4"
EEMI30C2112112N	2"	1.1/2"	1.1/2"

Galvanised, BSPP

1095	Thread A	Thread B	Thread C
EEMI30C123838	1/2"	3/8"	3/8"
EEMI30C343812	3/4"	3/8"	1/2"
EEMI30C341212	3/4"	1/2"	1/2"
EEMI30C11212	1"	1/2"	1/2"
EEMI30C11234	1"	1/2"	3/4"
EEMI30C13412	1"	3/4"	1/2"
EEMI30C13434	1"	3/4"	3/4"
EEMI30C114121	1.1/4"	1/2"	1"
EEMI30C1143434	1.1/4"	3/4"	3/4"
EEMI30C114341	1.1/4"	3/4"	1"
EEMI30C11411	1.1/4"	1"	1"
EEMI30C112134	1.1/2"	1"	3/4"
EEMI30C11211	1.1/2"	1"	1"
EEMI30C1121114	1.1/2"	1"	1.1/4"
EEMI30C112114114	1.1/2"	1.1/4"	1.1/4"
EEMI30C2112112	2"	1.1/2"	1.1/2"

Male Equal Tee



Black, BSPT

1095	Thread
EEMI135-1N	1"

Galvanised, BSPT

1095	Thread
EEMI135-1	1"

Female Equal Tee 45° (165)



Black, BSPP

1095	Thread
EE-MI165-12N	1/2"
EE-MI165-34N	3/4"
EE-MI165-1N	1"
EE-MI165-114N	1.1/4"
EE-MI165-112N	1.1/2"
EE-MI165-2N	2"

Tech Sheet 20530

Galvanised, BSPP

1095	Thread
EE-MI165-12	1/2"
EE-MI165-34	3/4"
EE-MI165-1	1"
EE-MI165-114	1.1/4"
EE-MI165-112	1.1/2"

Tech Sheet 20530

Equal Ys



Black, BSPP

1095	Thread
EE-MI220-12N	1/2"
EE-MI220-34N	3/4"
EE-MI220-1N	1"

Galvanised, BSPP

1095	Thread
EE-MI220-12	1/2"
EE-MI220-34	3/4"
EE-MI220-1	1"

MALLEABLE IRON FITTINGS

Female Equal Cross (180)



Black, BSPP

1095	Thread
EE-MI180-38N	3/8"
EE-MI180-12N	1/2"
EE-MI180-34N	3/4"
EE-MI180-11N	1"
EE-MI180-114N	1.1/4"
EE-MI180-112N	1.1/2"
EE-MI180-2N	2"

Tech Sheet 20531

Galvanised, BSPP

1095	Thread
EE-MI180-38	3/8"
EE-MI180-12	1/2"
EE-MI180-34	3/4"
EE-MI180-1	1"
EE-MI180-114	1.1/4"
EE-MI180-112	1.1/2"
EE-MI180-2	2"
EE-MI180-3	3"

Tech Sheet 20531

Female Unequal Cross (180)



Black, BSPP

1095	Thread A	Thread B
EE-MI180-12-38N	1/2"	3/8"
EE-MI180-34-38N	3/4"	3/8"
EE-MI180-34-12N	3/4"	1/2"
EE-MI180-1-12N	1"	1/2"
EE-MI180-1-34N	1"	3/4"
EE-MI180-114-12N	1.1/4"	1/2"
EE-MI180-2-34N	2"	3/4"

Galvanised, BSPP

1095	Thread A	Thread B
EE-MI180-12-38	1/2"	3/8"
EE-MI180-34-38	3/4"	3/8"
EE-MI180-34-12	3/4"	1/2"
EE-MI180-1-12	1"	1/2"
EE-MI180-1-34	1"	3/4"
EE-MI180-114-12	1.1/4"	1/2"
EE-MI180-2-34	2"	3/4"

Female Crossover



Black, BSPP

1095	Thread
EE-MI85-12N	1/2"
EE-MI85-34N	3/4"

Galvanised, BSPP

1095	Thread
EE-MI85-12	1/2"
EE-MI85-34	3/4"

Screwed Flange



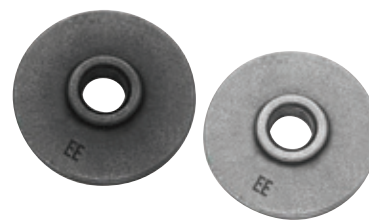
Black, BSPP

1095	Thread
EE-MI326-34-N	3/4"
EE-MI326-1-N	1"
EE-MI326-114-N	1.1/4"
EE-MI326-112-N	1.1/2"

Galvanised, BSPP

1095	Thread
EE-MI326-34	3/4"
EE-MI326-1	1"
EE-MI326-114	1.1/4"
EE-MI326-112	1.1/2"

Flange



Black, BSPP

1095	Thread
EE-MI321-38-N	3/8"
EE-MI321-12-N	1/2"
EE-MI321-34-N	3/4"
EE-MI321-1-N	1"
EE-MI321-114-N	1.1/4"
EE-MI321-112-N	1.1/2"
EE-MI321-2-N	2"
EE-MI321-212-N	2.1/2"
EE-MI321-3-N	3"
EE-MI321-4-N	4"

Galvanised, BSPP

1095	Thread
EE-MI321-38	3/8"
EE-MI321-12	1/2"
EE-MI321-34	3/4"
EE-MI321-1	1"
EE-MI321-114	1.1/4"
EE-MI321-112	1.1/2"
EE-MI321-2	2"
EE-MI321-212	2.1/2"
EE-MI321-3	3"
EE-MI321-4	4"

MALLEABLE IRON FITTINGS



K-LINE CONNECT

Hexagon Reducing Nipple (145)



Black, BSPT

1094	Thread	Thread
K-MI245-38-14N	3/8"	1/4"
K-MI245-12-14N	1/2"	1/4"
K-MI245-12-38N	1/2"	3/8"
K-MI245-34-14N	3/4"	1/4"
K-MI245-34-38N	3/4"	3/8"
K-MI245-34-12N	3/4"	1/2"
K-MI245-1-12N	1"	1/2"
K-MI245-1-34N	1"	3/4"
K-MI245-114-12N	1.1/4"	1/2"
K-MI245-114-34N	1.1/4"	3/4"
K-MI245-114-1N	1.1/4"	1"
K-MI245-112-12N	1.1/2"	1/2"
K-MI245-112-34N	1.1/2"	3/4"
K-MI245-112-1N	1.1/2"	1"
K-MI245-112-114N	1.1/2"	1.1/4"
K-MI245-2-12N	2"	1/2"
K-MI245-2-34N	2"	3/4"
K-MI245-2-1N	2"	1"
K-MI245-2-114N	2"	1.1/4"
K-MI245-2-112N	2"	1.1/2"
K-MI245-212-112N	2.1/2"	1.1/2"
K-MI245-212-2N	2.1/2"	2"
K-MI245-3-2N	3"	2"
K-MI245-3-212N	3"	2.1/2"
K-MI245-4-3N	4"	3"

Tech Sheet 20449



Galvanised, BSPT

1094	Thread	Thread
K-MI245-38-14	3/8"	1/4"
K-MI245-12-14	1/2"	1/4"
K-MI245-12-38	1/2"	3/8"
K-MI245-34-14	3/4"	1/4"
K-MI245-34-38	3/4"	3/8"
K-MI245-34-12	3/4"	1/2"
K-MI245-1-38	1"	3/8"
K-MI245-1-12	1"	1/2"
K-MI245-1-34	1"	3/4"
K-MI245-114-12	1.1/4"	1/2"
K-MI245-114-34	1.1/4"	3/4"
K-MI245-114-1	1.1/4"	1"
K-MI245-112-12	1.1/2"	1/2"
K-MI245-112-34	1.1/2"	3/4"
K-MI245-112-1	1.1/2"	1"
K-MI245-112-114	1.1/2"	1.1/4"
K-MI245-2-12	2"	1/2"
K-MI245-2-34	2"	3/4"
K-MI245-2-1	2"	1"
K-MI245-2-114	2"	1.1/4"
K-MI245-2-112	2"	1.1/2"
K-MI245-212-112	2.1/2"	1.1/2"
K-MI245-212-2	2.1/2"	2"
K-MI245-3-2	3"	2"
K-MI245-3-212	3"	2.1/2"
K-MI245-4-3	4"	3"

Tech Sheet 20449

Equal Hexagon Nipple (144)



Black, BSPT

1094	Thread
K-MI280-14N	1/4"
K-MI280-38N	3/8"
K-MI280-12N	1/2"
K-MI280-34N	3/4"
K-MI280-1N	1"
K-MI280-114N	1.1/4"
K-MI280-112N	1.1/2"
K-MI280-2N	2"
K-MI280-212N	2.1/2"
K-MI280-3N	3"
K-MI280-4N	4"

Tech Sheet 20449

Galvanised, BSPT

1094	Thread
K-MI280-14	1/4"
K-MI280-38	3/8"
K-MI280-12	1/2"
K-MI280-34	3/4"
K-MI280-1	1"
K-MI280-114	1.1/4"
K-MI280-112	1.1/2"
K-MI280-2	2"
K-MI280-212	2.1/2"
K-MI280-3	3"
K-MI280-4	4"

Tech Sheet 20449

RIDGID



For Ridgid Wrenches
see page 1742

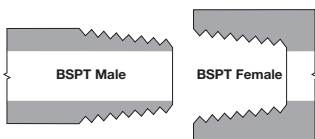
MALLEABLE IRON FITTINGS



K-LINE CONNECT

**Maximum Working Pressure:**

25 bar @ -20°C to +120°C
20 bar @ +300°C

**Threads:**

British standard taper, BSPT to ISO7-1 and EN10226-2.

Materials:

Suitable for fire protection, automatic sprinkler systems NFPA 13/24 and fittings for above ground

Fittings tested in accordance to BS EN10241:2000, BS EN1562 and dimensions to BS EN10242.

Media:

Suitable for the flow of water, steam, gas or other non aggressive media.

Surface Finishing:

Two types are available:

Black:

With an anti-corrosive varnish to protect against rust after installation prior to plant conditioning.

Galvanised:

Hot-dip zinc coated to give additional resistance to corrosion, meeting the requirements of ASTM A153



K-LINE CONNECT

Malleable iron fittings suitable for use with drinking water



WRAS APPROVED PRODUCT

K-Line Connect kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

Female Equal Elbow 90° (151)

**Black, BSPT**

1094	Thread
K-MI90-14N	1/4"
K-MI90-38N	3/8"
K-MI90-12N	1/2"
K-MI90-34N	3/4"
K-MI90-1N	1"
K-MI90-114N	1.1/4"
K-MI90-112N	1.1/2"
K-MI90-2N	2"
K-MI90-212N	2.1/2"
K-MI90-3N	3"
K-MI90-4N	4"

Tech Sheet 20445

Galvanised, BSPT

1094	Thread
K-MI90-14	1/4"
K-MI90-38	3/8"
K-MI90-12	1/2"
K-MI90-34	3/4"
K-MI90-1	1"
K-MI90-114	1.1/4"
K-MI90-112	1.1/2"
K-MI90-2	2"
K-MI90-212	2.1/2"
K-MI90-3	3"
K-MI90-4	4"

Tech Sheet 20445

Male x Female Equal Elbow 90° (152)

**Black, BSPT**

1094	Thread
K-MI92-14N	1/4"
K-MI92-38N	3/8"
K-MI92-12N	1/2"
K-MI92-34N	3/4"
K-MI92-1N	1"
K-MI92-114N	1.1/4"
K-MI92-112N	1.1/2"
K-MI92-2N	2"
K-MI92-212N	2.1/2"
K-MI92-3N	3"
K-MI92-4N	4"

Tech Sheet 20445

Galvanised, BSPT

1094	Thread
K-MI92-14	1/4"
K-MI92-38	3/8"
K-MI92-12	1/2"
K-MI92-34	3/4"
K-MI92-1	1"
K-MI92-114	1.1/4"
K-MI92-112	1.1/2"
K-MI92-2	2"
K-MI92-212	2.1/2"
K-MI92-3	3"
K-MI92-4	4"

Tech Sheet 20445

Female Equal Elbow 45° (155)

**Black, BSPT**

1094	Thread
K-MI120-38N	3/8"
K-MI120-12N	1/2"
K-MI120-34N	3/4"
K-MI120-1N	1"
K-MI120-114N	1.1/4"
K-MI120-112N	1.1/2"
K-MI120-2N	2"

Tech Sheet 20445

Galvanised, BSPT

1094	Thread
K-MI120-38	3/8"
K-MI120-12	1/2"
K-MI120-34	3/4"
K-MI120-1	1"
K-MI120-114	1.1/4"
K-MI120-112	1.1/2"
K-MI120-2	2"

Tech Sheet 20445

Male x Female Equal Elbow 45° (156)

**Black, BSPT**

1094	Thread
K-MI121-38N	3/8"
K-MI121-12N	1/2"
K-MI121-34N	3/4"
K-MI121-1N	1"
K-MI121-114N	1.1/4"
K-MI121-112N	1.1/2"
K-MI121-2N	2"

Tech Sheet 20445

Galvanised, BSPT

1094	Thread
K-MI121-38	3/8"
K-MI121-12	1/2"
K-MI121-34	3/4"
K-MI121-1	1"
K-MI121-114	1.1/4"
K-MI121-112	1.1/2"
K-MI121-2	2"

Tech Sheet 20445

MALLEABLE IRON FITTINGS



K-LINE CONNECT

Female Reducing Elbow 90°



Black, BSPT

1094	Thread	Thread
K-MI90-38-14N	3/8"	1/4"
K-MI90-12-38N	1/2"	3/8"
K-MI90-12-14N	1/2"	1/4"
K-MI90-34-38N	3/4"	3/8"
K-MI90-34-12N	3/4"	1/2"
K-MI90-34-14N	3/4"	1/4"
K-MI90-1-14N	1"	1/4"
K-MI90-1-38N	1"	3/8"
K-MI90-1-12N	1"	1/2"
K-MI90-1-34N	1"	3/4"
K-MI90-114-38N	1.1/4"	3/8"
K-MI90-114-12N	1.1/4"	1/2"
K-MI90-114-34N	1.1/4"	3/4"
K-MI90-114-1N	1.1/4"	1"
K-MI90-112-12N	1.1/2"	1/2"
K-MI90-112-34N	1.1/2"	3/4"
K-MI90-112-1N	1.1/2"	1"
K-MI90-112-114N	1.1/2"	1.1/4"
K-MI90-2-12N	2"	1/2"
K-MI90-2-34N	2"	3/4"
K-MI90-2-1N	2"	1"
K-MI90-2-114N	2"	1.1/4"
K-MI90-2-112N	2"	1.1/2"
K-MI90-212-12N	2.1/2"	1/2"
K-MI90-212-34N	2.1/2"	3/4"
K-MI90-212-1N	2.1/2"	1"
K-MI90-212-114N	2.1/2"	1.1/4"
K-MI90-212-112N	2.1/2"	1.1/2"
K-MI90-212-2N	2.1/2"	2"
K-MI90-3-34N	3"	3/4"
K-MI90-3-1N	3"	1"
K-MI90-3-114N	3"	1.1/4"
K-MI90-3-112N	3"	1.1/2"
K-MI90-3-2N	3"	2"
K-MI90-3-212N	3"	2.1/2"
K-MI90-4-114N	4"	1.1/4"
K-MI90-4-112N	4"	1.1/2"
K-MI90-4-2N	4"	2"
K-MI90-4-212N	4"	2.1/2"
K-MI90-4-3N	4"	3"



Galvanised, BSPT

1094	Thread	Thread
K-MI90-38-14	3/8"	1/4"
K-MI90-12-38	1/2"	3/8"
K-MI90-12-14	1/2"	1/4"
K-MI90-34-38	3/4"	3/8"
K-MI90-34-12	3/4"	1/2"
K-MI90-34-14	3/4"	1/4"
K-MI90-1-14	1"	1/4"
K-MI90-1-38	1"	3/8"
K-MI90-1-12	1"	1/2"
K-MI90-114-38	1.1/4"	3/8"
K-MI90-114-12	1.1/4"	1/2"
K-MI90-114-34	1.1/4"	3/4"
K-MI90-114-1	1.1/4"	1"
K-MI90-112-12	1.1/2"	1/2"
K-MI90-112-34	1.1/2"	3/4"
K-MI90-112-1	1.1/2"	1"
K-MI90-2-12	2"	1/2"
K-MI90-2-34	2"	3/4"
K-MI90-2-1	2"	1"
K-MI90-2-114	2"	1.1/4"
K-MI90-2-112	2"	1.1/2"
K-MI90-212-12	2.1/2"	1/2"
K-MI90-212-34	2.1/2"	3/4"
K-MI90-212-1	2.1/2"	1"
K-MI90-212-114	2.1/2"	1.1/4"
K-MI90-212-112	2.1/2"	1.1/2"
K-MI90-212-2	2.1/2"	2"
K-MI90-3-34	3"	3/4"
K-MI90-3-1	3"	1"
K-MI90-3-114	3"	1.1/4"
K-MI90-3-112	3"	1.1/2"
K-MI90-3-2	3"	2"
K-MI90-3-212	3"	2.1/2"
K-MI90-4-114	4"	1.1/4"
K-MI90-4-112	4"	1.1/2"
K-MI90-4-2	4"	2"
K-MI90-4-212	4"	2.1/2"
K-MI90-4-3	4"	3"

Female Equal Tee (161)



Black, BSPT

1094	Thread
K-MI130-14N	1/4"
K-MI130-38N	3/8"
K-MI130-12N	1/2"
K-MI130-34N	3/4"
K-MI130-1N	1"
K-MI130-114N	1.1/4"
K-MI130-112N	1.1/2"
K-MI130-2N	2"
K-MI130-212N	2.1/2"
K-MI130-3N	3"
K-MI130-4N	4"

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Galvanised, BSPT

1094	Thread
K-MI130-14	1/4"
K-MI130-38	3/8"
K-MI130-12	1/2"
K-MI130-34	3/4"
K-MI130-1	1"
K-MI130-114	1.1/4"
K-MI130-112	1.1/2"
K-MI130-2	2"
K-MI130-212	2.1/2"
K-MI130-3	3"
K-MI130-4	4"

Tech Sheet 20446



K-LINE CONNECT

Malleable iron fittings suitable for use with drinking water



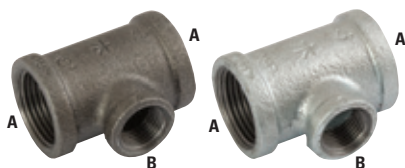
K-Line Connect kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

MALLEABLE IRON FITTINGS



K-LINE CONNECT

Female Unequal Branch Tee (161)



Black, BSPT

1094	Thread A	Thread B
K-MI130-38-14N	3/8"	1/2"
K-MI130-12-14N	1/2"	1/4"
K-MI130-12-38N	1/2"	3/8"
K-MI130-12-34N	1/2"	3/4"
K-MI130-34-14N	3/4"	1/4"
K-MI130-34-12N	3/4"	1/2"
K-MI130-1-38N	1"	3/8"
K-MI130-1-12N	1"	1/2"
K-MI130-1-34N	1"	3/4"
K-MI130-114-12N	1.1/4"	1/2"
K-MI130-114-34N	1.1/4"	3/4"
K-MI130-114-1N	1.1/4"	1"
K-MI130-112-12N	1.1/2"	1/2"
K-MI130-112-34N	1.1/2"	3/4"
K-MI130-112-1N	1.1/2"	1"
K-MI130-112-114N	1.1/2"	1.1/4"
K-MI130-2-12N	2"	1/2"
K-MI130-2-34N	2"	3/4"
K-MI130-2-1N	2"	1"
K-MI130-2-114N	2"	1.1/4"
K-MI130-2-112N	2"	1.1/2"

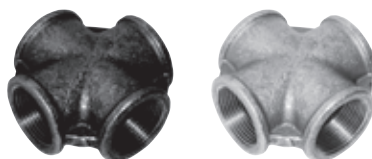
Tech Sheet 20446

Galvanised, BSPT

1094	Thread A	Thread B
K-MI130-38-14	3/8"	1/4"
K-MI130-12-14	1/2"	1/4"
K-MI130-12-38	1/2"	3/8"
K-MI130-12-34	1/2"	3/4"
K-MI130-34-38	3/4"	3/8"
K-MI130-34-12	3/4"	1/2"
K-MI130-1-38	1"	3/8"
K-MI130-1-12	1"	1/2"
K-MI130-1-34	1"	3/4"
K-MI130-114-12	1.1/4"	1/2"
K-MI130-114-34	1.1/4"	3/4"
K-MI130-114-1	1.1/4"	1"
K-MI130-112-12	1.1/2"	1/2"
K-MI130-112-34	1.1/2"	3/4"
K-MI130-112-1	1.1/2"	1"
K-MI130-112-114	1.1/2"	1.1/4"
K-MI130-2-12	2"	1/2"
K-MI130-2-34	2"	3/4"
K-MI130-2-1	2"	1"
K-MI130-2-114	2"	1.1/4"
K-MI130-2-112	2"	1.1/2"

Tech Sheet 20446

Female Equal Cross



Black, BSPT

1094	Thread
K-MI180-14N	1/4"
K-MI180-38N	3/8"
K-MI180-12N	1/2"
K-MI180-34N	3/4"
K-MI180-1N	1"
K-MI180-114N	1.1/4"
K-MI180-112N	1.1/2"
K-MI180-2N	2"
K-MI180-212N	2.1/2"
K-MI180-3N	3"
K-MI180-4N	4"

Galvanised, BSPT

1094	Thread
K-MI180-14	1/4"
K-MI180-38	3/8"
K-MI180-12	1/2"
K-MI180-34	3/4"
K-MI180-1	1"
K-MI180-114	1.1/4"
K-MI180-112	1.1/2"
K-MI180-2	2"
K-MI180-212	2.1/2"
K-MI180-3	3"
K-MI180-4	4"

Female Equal Socket (177)



Black, BSPT

1094	Thread
K-MI220-38N	3/8"
K-MI220-12N	1/2"
K-MI220-34N	3/4"
K-MI220-1N	1"
K-MI220-114N	1.1/4"
K-MI220-112N	1.1/2"
K-MI220-2N	2"
K-MI220-212N	2.1/2"
K-MI220-3N	3"
K-MI220-4N	4"

Tech Sheet 20447

Galvanised, BSPT

1094	Thread
K-MI220-38	3/8"
K-MI220-12	1/2"
K-MI220-34	3/4"
K-MI220-1	1"
K-MI220-114	1.1/4"
K-MI220-112	1.1/2"
K-MI220-2	2"
K-MI220-212	2.1/2"
K-MI220-3	3"
K-MI220-4	4"

Tech Sheet 20447



For Malleable Iron Foot Valves
see page 1436



MALLEABLE IRON FITTINGS



K-LINE CONNECT

Female Reducing Socket (179)



Black, BSPT

1094	Thread	Thread
K-MI240-38-14N	3/8"	1/4"
K-MI240-12-14N	1/2"	1/4"
K-MI240-12-38N	1/2"	3/8"
K-MI240-34-38N	3/4"	3/8"
K-MI240-34-12N	3/4"	1/2"
K-MI240-1-38N	1"	3/8"
K-MI240-1-12N	1"	1/2"
K-MI240-1-34N	1"	3/4"
K-MI240-114-38N	1.1/4"	3/8"
K-MI240-114-12N	1.1/4"	1/2"
K-MI240-114-34N	1.1/4"	3/4"
K-MI240-114-1N	1.1/4"	1"
K-MI240-112-12N	1.1/2"	1/2"
K-MI240-112-34N	1.1/2"	3/4"
K-MI240-112-1N	1.1/2"	1"
K-MI240-112-114N	1.1/2"	1.1/4"
K-MI240-2-12N	2"	1/2"
K-MI240-2-34N	2"	3/4"
K-MI240-2-1N	2"	1"
K-MI240-2-114N	2"	1.1/4"
K-MI240-2-112N	2"	1.1/2"

Tech Sheet 20447

Galvanised, BSPT

1094	Thread	Thread
K-MI240-38-14	3/8"	1/4"
K-MI240-12-14	1/2"	1/4"
K-MI240-12-38	1/2"	3/8"
K-MI240-34-38	3/4"	3/8"
K-MI240-34-12	3/4"	1/2"
K-MI240-1-38	1"	3/8"
K-MI240-1-12	1"	1/2"
K-MI240-1-34	1"	3/4"
K-MI240-114-38	1.1/4"	3/8"
K-MI240-114-12	1.1/4"	1/2"
K-MI240-114-34	1.1/4"	3/4"
K-MI240-114-1	1.1/4"	1"
K-MI240-112-12	1.1/2"	1/2"
K-MI240-112-34	1.1/2"	3/4"
K-MI240-112-1	1.1/2"	1"
K-MI240-112-114	1.1/2"	1.1/4"
K-MI240-2-12	2"	1/2"
K-MI240-2-34	2"	3/4"
K-MI240-2-1	2"	1"
K-MI240-2-114	2"	1.1/4"
K-MI240-2-112	2"	1.1/2"

Tech Sheet 20447

Male x Female Reducing Bush (140)



Black, BSPT

1094	Thread	Thread
K-MI241-38-14N	3/8"	1/4"
K-MI241-12-14N	1/2"	1/4"
K-MI241-12-38N	1/2"	3/8"
K-MI241-34-14N	3/4"	1/4"
K-MI241-34-38N	3/4"	3/8"
K-MI241-34-12N	3/4"	1/2"
K-MI241-1-14N	1"	1/4"
K-MI241-1-38N	1"	3/8"
K-MI241-1-12N	1"	1/2"
K-MI241-1-34N	1"	3/4"
K-MI241-114-12N	1.1/4"	1/2"
K-MI241-114-34N	1.1/4"	3/4"
K-MI241-114-1N	1.1/4"	1"
K-MI241-112-12N	1.1/2"	1/2"
K-MI241-112-34N	1.1/2"	3/4"
K-MI241-112-1N	1.1/2"	1"
K-MI241-112-114N	1.1/2"	1.1/4"
K-MI241-2-12N	2"	1/2"
K-MI241-2-34N	2"	3/4"
K-MI241-2-1N	2"	1"
K-MI241-2-114N	2"	1.1/4"
K-MI241-2-112N	2"	1.1/2"
K-MI241-212-12N	2.1/2"	1/2"
K-MI241-212-34N	2.1/2"	3/4"
K-MI241-212-1N	2.1/2"	1"
K-MI241-212-114N	2.1/2"	1.1/4"
K-MI241-212-112N	2.1/2"	1.1/2"
K-MI241-212-2N	2.1/2"	2"
K-MI241-3-1N	3"	1"
K-MI241-3-112N	3"	1.1/2"
K-MI241-3-2N	3"	2"
K-MI241-3-212N	3"	2.1/2"
K-MI241-4-34N	4"	3/4"
K-MI241-4-1N	4"	1"
K-MI241-4-114N	4"	1.1/4"
K-MI241-4-112N	4"	1.1/2"
K-MI241-4-2N	4"	2"
K-MI241-4-212N	4"	2.1/2"
K-MI241-4-3N	4"	3"

Tech Sheet 20448

Galvanised, BSPT

1094	Thread	Thread
K-MI241-38-14	3/8"	1/4"
K-MI241-12-14	1/2"	1/4"
K-MI241-12-38	1/2"	3/8"
K-MI241-34-14	3/4"	1/4"
K-MI241-34-38	3/4"	3/8"
K-MI241-34-12	3/4"	1/2"
K-MI241-1-14	1"	1/4"
K-MI241-1-38	1"	3/8"
K-MI241-1-12	1"	1/2"
K-MI241-1-34	1"	3/4"
K-MI241-114-38	1.1/4"	3/8"
K-MI241-114-12	1.1/4"	1/2"
K-MI241-114-34	1.1/4"	3/4"
K-MI241-114-1	1.1/4"	1"
K-MI241-112-12	1.1/2"	1/2"
K-MI241-112-34	1.1/2"	3/4"
K-MI241-112-1	1.1/2"	1"
K-MI241-112-114	1.1/2"	1.1/4"
K-MI241-2-12	2"	1/2"
K-MI241-2-34	2"	3/4"
K-MI241-2-1	2"	1"
K-MI241-2-114	2"	1.1/4"
K-MI241-2-112	2"	1.1/2"
K-MI241-212-12	2.1/2"	1/2"
K-MI241-212-34	2.1/2"	3/4"
K-MI241-212-1	2.1/2"	1"
K-MI241-212-114	2.1/2"	1.1/4"
K-MI241-212-112	2.1/2"	1.1/2"
K-MI241-212-2	2.1/2"	2"
K-MI241-3-1	3"	1"
K-MI241-3-112	3"	1.1/2"
K-MI241-3-2	3"	2"
K-MI241-3-212	3"	2.1/2"
K-MI241-4-34	4"	3/4"
K-MI241-4-1	4"	1"
K-MI241-4-114	4"	1.1/4"
K-MI241-4-112	4"	1.1/2"
K-MI241-4-2	4"	2"
K-MI241-4-212	4"	2.1/2"
K-MI241-4-3	4"	3"

Tech Sheet 20448

MALLEABLE IRON FITTINGS



K-LINE CONNECT

Plain Plug Hollow (147)



Black, BSPT

1094	Thread
K-MI291-14N	1/4"
K-MI291-38N	3/8"
K-MI291-12N	1/2"
K-MI291-34N	3/4"
K-MI291-1N	1"
K-MI291-114N	1.1/4"
K-MI291-112N	1.1/2"
K-MI291-2N	2"
K-MI291-212N	2.1/2"
K-MI291-3N	3"
K-MI291-4N	4"

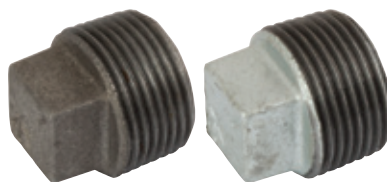
Tech Sheet 20450

Galvanised, BSPT

1094	Thread
K-MI291-14	1/4"
K-MI291-38	3/8"
K-MI291-12	1/2"
K-MI291-34	3/4"
K-MI291-1	1"
K-MI291-114	1.1/4"
K-MI291-112	1.1/2"
K-MI291-2	2"
K-MI291-212	2.1/2"
K-MI291-3	3"
K-MI291-4	4"

Tech Sheet 20450

Plain Plug Solid (148)



Black, BSPT

1094	Thread
K-MI291S-14N	1/4"
K-MI291S-38N	3/8"
K-MI291S-12N	1/2"
K-MI291S-34N	3/4"
K-MI291S-1N	1"
K-MI291S-114N	1.1/4"
K-MI291S-112N	1.1/2"
K-MI291S-2N	2"
K-MI291S-212N	2.1/2"
K-MI291S-3N	3"
K-MI291S-4N	4"

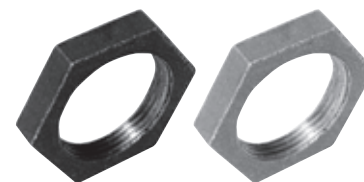
Tech Sheet 20450

Galvanised, BSPT

1094	Thread
K-MI291S-14	1/4"
K-MI291S-38	3/8"
K-MI291S-12	1/2"
K-MI291S-34	3/4"
K-MI291S-1	1"
K-MI291S-114	1.1/4"
K-MI291S-112	1.1/2"
K-MI291S-2	2"
K-MI291S-212	2.1/2"
K-MI291S-3	3"
K-MI291S-4	4"

Tech Sheet 20450

Backnut



Black, BSPT

1094	Thread
K-MI310-14N	1/4"
K-MI310-38N	3/8"
K-MI310-12N	1/2"
K-MI310-34N	3/4"
K-MI310-114N	1.1/4"
K-MI310-112N	1.1/2"
K-MI310-2N	2"
K-MI310-212N	2.1/2"
K-MI310-3N	3"
K-MI310-4N	4"

Tech Sheet 68727

Galvanised, BSPT

1094	Thread
K-MI310-38	3/8"
K-MI310-12	1/2"
K-MI310-34	3/4"
K-MI310-1	1"
K-MI310-114	1.1/4"
K-MI310-2	2"
K-MI310-212	2.1/2"
K-MI310-3	3"
K-MI310-4	4"

Tech Sheet 68727



For Forged Steel Flanges
see page 1386



MALLEABLE IRON FITTINGS



K-LINE CONNECT

Cap Rounded (185)



Black, BSPT

1094	Thread
K-MI300-38N	3/8"
K-MI300-12N	1/2"
K-MI300-34N	3/4"
K-MI300-1N	1"
K-MI300-114N	1.1/4"
K-MI300-112N	1.1/2"
K-MI300-2N	2"

Tech Sheet 20451

Galvanised, BSPT

1094	Thread
K-MI300-14	1/4"
K-MI300-38	3/8"
K-MI300-12	1/2"
K-MI300-34	3/4"
K-MI300-1	1"
K-MI300-114	1.1/4"
K-MI300-112	1.1/2"
K-MI300-2	2"

Tech Sheet 20451

Female Union Flat Seat (290)



Galvanised, BSPT

1094	Thread
K-MI330-38	3/8"
K-MI330-12	1/2"
K-MI330-34	3/4"
K-MI330-1	1"
K-MI330-114	1.1/4"
K-MI330-112	1.1/2"
K-MI330-2	2"
K-MI330-212	2.1/2"
K-MI330-3	3"
K-MI330-4	4"

Tech Sheet 20452

Black, BSPT

1094	Thread
K-MI330-38N	3/8"
K-MI330-12N	1/2"
K-MI330-34N	3/4"
K-MI330-1N	1"
K-MI330-114N	1.1/4"
K-MI330-112N	1.1/2"
K-MI330-2N	2"
K-MI330-212N	2.1/2"
K-MI330-3N	3"
K-MI330-4N	4"

Tech Sheet 20452

Female x Male Union Flat Seat (257)



Black, BSPT

1094	Thread
K-MI331-12N	1/2"
K-MI331-34N	3/4"
K-MI331-1N	1"
K-MI331-114N	1.1/4"
K-MI331-112N	1.1/2"
K-MI331-2N	2"

Tech Sheet 20452

Galvanised, BSPT

1094	Thread
K-MI331-12	1/2"
K-MI331-34	3/4"
K-MI331-1	1"
K-MI331-114	1.1/4"
K-MI331-112	1.1/2"
K-MI331-2	2"

Tech Sheet 20452

Female Union, Navy, Double Bronze Seat (289)



Black, BSPT

1094	Thread
K-MI342A-12N	1/2"
K-MI342A-34N	3/4"
K-MI342A-1N	1"
K-MI342A-114N	1.1/4"
K-MI342A-112N	1.1/2"
K-MI342A-2N	2"

Tech Sheet 20452

Galvanised, BSPT

1094	Thread
K-MI342A-12	1/2"
K-MI342A-34	3/4"
K-MI342A-1	1"
K-MI342A-114	1.1/4"
K-MI342A-112	1.1/2"
K-MI342A-2	2"

Tech Sheet 20452

TOTAL



For G Clamp
see page 1740

MALLEABLE IRON FITTINGS



Threads:

Threads are British Standard taper to IS07 and BS21. All male threads are BSPT and female threads are BSPP to EN 10226-1 and EN ISO 228-1

Materials:

Whiteheart malleable cast iron EN-GJMW-400-5 to EN 1562

Media:

Suitable for the flow of water, steam, gas or other non aggressive media.

Surface Finishing:

Two types are available:

Black:

With an anti-corrosive varnish to protect against rust after installation prior to plant conditioning.

Galvanised:

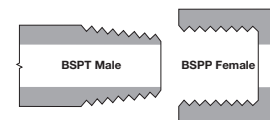
Hot-dip zinc coated to give additional resistance to corrosion



Maximum Working Pressure:

25 bar @ -20°C to +120°C

20 bar @ -50°C (intermittent) to +300°C



Female x Male Equal Bend, Long (1)



Black, BSPP Female x BSPT Male

0217	Thread
GF1-14N	1/4"
GF1-38N	3/8"
GF1-12N	1/2"
GF1-34N	3/4"
GF1-1N	1"
GF1-114N	1.1/4"
GF1-112N	1.1/2"
GF1-2N	2"
GF1-212N	2.1/2"
GF1-3N	3"
GF1-4N	4"

Tech Sheet 1764

Female x Male Equal Bend, Short (1a)



Black, BSPP Female x BSPT Male

0217	Thread
GF1A-14N	1/4"
GF1A-38N	3/8"
GF1A-12N	1/2"
GF1A-34N	3/4"
GF1A-1N	1"
GF1A-114N	1.1/4"
GF1A-112N	1.1/2"
GF1A-2N	2"
GF1A-212N	2.1/2"
GF1A-3N	3"
GF1A-4N	4"

Tech Sheet 1764

Female Equal Bend, Long (2)



Black, BSPP Female

0217	Thread
GF2-14N	1/4"
GF2-38N	3/8"
GF2-12N	1/2"
GF2-34N	3/4"
GF2-1N	1"
GF2-114N	1.1/4"
GF2-112N	1.1/2"
GF2-2N	2"
GF2-212N	2.1/2"
GF2-3N	3"
GF2-4N	4"

Tech Sheet 1765

Galvanised, BSPP Female x BSPT Male

0217	Thread
GF1-14	1/4"
GF1-38	3/8"
GF1-12	1/2"
GF1-34	3/4"
GF1-1	1"
GF1-114	1.1/4"
GF1-112	1.1/2"
GF1-2	2"
GF1-212	2.1/2"
GF1-3	3"

Tech Sheet 1764

Galvanised, BSPP Female x BSPT Male

0217	Thread
GF1A-14	1/4"
GF1A-38	3/8"
GF1A-12	1/2"
GF1A-34	3/4"
GF1A-1	1"
GF1A-114	1.1/4"
GF1A-112	1.1/2"
GF1A-2	2"
GF1A-3	3"
GF1A-4	4"

Tech Sheet 1764

Galvanised, BSPP Female

0217	Thread
GF2-14	1/4"
GF2-38	3/8"
GF2-12	1/2"
GF2-34	3/4"
GF2-1	1"
GF2-114	1.1/4"
GF2-112	1.1/2"
GF2-2	2"
GF2-212	2.1/2"
GF2-3	3"

Tech Sheet 1765

MALLEABLE IRON FITTINGS



Female Equal Bend, Short (2a)



Black, BSPP Female

0217	Thread
GF2A-14N	1/4"
GF2A-38N	3/8"
GF2A-12N	1/2"
GF2A-34N	3/4"
GF2A-1N	1"
GF2A-114N	1.1/4"
GF2A-112N	1.1/2"
GF2A-2N	2"
GF2A-212N	2.1/2"
GF2A-3N	3"
GF2A-4N	4"

Tech Sheet 1765

Galvanised, BSPP Female

0217	Thread
GF2A-14	1/4"
GF2A-38	3/8"
GF2A-12	1/2"
GF2A-34	3/4"
GF2A-1	1"
GF2A-114	1.1/4"
GF2A-112	1.1/2"
GF2A-2	2"
GF2A-212	2.1/2"
GF2A-3	3"
GF2A-4	4"

Tech Sheet 1765

Male Equal Bend, Long (3)



Black, BSPT Male

0217	Thread
GF3-12N	1/2"
GF3-34N	3/4"
GF3-1N	1"
GF3-114N	1.1/4"
GF3-112N	1.1/2"
GF3-2N	2"

Tech Sheet 1766

Galvanised, BSPT Male

0217	Thread
GF3-12	1/2"
GF3-34	3/4"
GF3-1	1"
GF3-114	1.1/4"
GF3-112	1.1/2"
GF3-2	2"

Tech Sheet 1766

Male x Female Equal Bend, Long (40)



Black, BSPT Male x BSPP Female

0217	Thread
GF40-12N	1/2"
GF40-34N	3/4"
GF40-1N	1"
GF40-114N	1.1/4"
GF40-112N	1.1/2"
GF40-2N	2"

Tech Sheet 1766

Galvanised, BSPT Male x BSPP Female

0217	Thread
GF40-12	1/2"
GF40-34	3/4"
GF40-1	1"
GF40-114	1.1/4"
GF40-112	1.1/2"
GF40-2	2"

Tech Sheet 1766

Female Equal Return Bend (60)



Black, BSPP Female

0217	Thread
GF60-12N	1/2"
GF60-34N	3/4"
GF60-1N	1"
GF60-112N	1.1/2"
GF60-2N	2"

Tech Sheet 1767

Galvanised, BSPP Female

0217	Thread
GF60-12	1/2"
GF60-34	3/4"
GF60-1	1"
GF60-114	1.1/4"
GF60-112	1.1/2"
GF60-2	2"

Tech Sheet 1767



Customers who bought from this page also purchased...

Hose Reels
see pages 1448-1453



MALLEABLE IRON FITTINGS



Female Equal Elbow (90)



Black, BSPP Female

0217	Thread
GF90-18N	1/8"
GF90-14N	1/4"
GF90-38N	3/8"
GF90-12N	1/2"
GF90-34N	3/4"
GF90-1N	1"
GF90-114N	1.1/4"
GF90-112N	1.1/2"
GF90-2N	2"
GF90-212N	2.1/2"
GF90-3N	3"
GF90-4N	4"
GF90-5N	5"

Tech Sheet 1769

Galvanised, BSPP Female

0217	Thread
GF90-18	1/8"
GF90-14	1/4"
GF90-38	3/8"
GF90-12	1/2"
GF90-34	3/4"
GF90-1	1"
GF90-114	1.1/4"
GF90-112	1.1/2"
GF90-2	2"
GF90-212	2.1/2"
GF90-3	3"
GF90-4	4"
GF90-5	5"

Tech Sheet 1769

Female Reducing Elbow (90)



Black, BSPP Female x BSPP Female

0217	Thread	Thread
GF90-38-14N	3/8"	1/4"
GF90-12-14N	1/2"	1/4"
GF90-12-38N	1/2"	3/8"
GF90-34-12N	3/4"	1/2"
GF90-10-12N	1"	1/2"
GF90-1-34N	1"	3/4"
GF90-114-1N	1.1/4"	1"

Tech Sheet 1769

Galvanised, BSPP Female x BSPP Female

0217	Thread	Thread
GF90-12-14	1/2"	1/4"
GF90-12-38	1/2"	3/8"
GF90-34-12	3/4"	1/2"
GF90-10-12	1"	1/2"
GF90-1-34	1"	3/4"
GF90-114-1	1.1/4"	1"

Tech Sheet 1769

Male x Female Equal Elbow (92)



Black, BSPT Male x BSPP Female

0217	Thread
GF92-18N	1/8"
GF92-14N	1/4"
GF92-38N	3/8"
GF92-12N	1/2"
GF92-34N	3/4"
GF92-1N	1"
GF92-114N	1.1/4"
GF92-112N	1.1/2"
GF92-2N	2"
GF92-212N	2.1/2"
GF92-3N	3"
GF92-4N	4"

Tech Sheet 1768

Galvanised, BSPT Male x BSPP Female

0217	Thread
GF92-18	1/8"
GF92-14	1/4"
GF92-38	3/8"
GF92-12	1/2"
GF92-34	3/4"
GF92-1	1"
GF92-114	1.1/4"
GF92-112	1.1/2"
GF92-2	2"
GF92-212	2.1/2"
GF92-3	3"

Tech Sheet 1768

Male x Female Reducing Elbow (92)



Black, BSPT Male x BSPP Female

0217	Female Thread	Male Thread
GF92-34-12N	3/4"	1/2"
GF92-1-34N	1"	3/4"

Galvanised, BSPT Male x BSPP Female

0217	Female Thread	Male Thread
GF92-34-12	3/4"	1/2"
GF92-1-34	1"	3/4"

MALLEABLE IRON FITTINGS



Male Equal Elbow (94)



Black, BSPT Male

0217	Thread
GF94-34N	3/4"
GF94-1N	1"
Tech Sheet 1770	

Galvanised, BSPT Male

0217	Thread
GF94-34	3/4"
GF94-1	1"
Tech Sheet 1770	

Female Equal Union Elbow, Taper Seat (96)



Black, BSPP Female

0217	Thread
GF96-12N	1/2"
GF96-34N	3/4"
GF96-1N	1"
GF96-114N	1.1/4"
GF96-112N	1.1/2"
GF96-2N	2"
Tech Sheet 1771	

Galvanised, BSPP Female

0217	Thread
GF96-12	1/2"
GF96-34	3/4"
GF96-1	1"
GF96-114	1.1/4"
GF96-112	1.1/2"
GF96-2	2"
Tech Sheet 1771	

Male x Female Equal Union Elbow, Taper Seat (98)



Black, BSPT Male x BSPP Female

0217	Thread
GF98-12N	1/2"
GF98-34N	3/4"
GF98-1N	1"
GF98-114N	1.1/4"
GF98-112N	1.1/2"
GF98-2N	2"
Tech Sheet 1772	

Galvanised, BSPT Male x BSPP Female

0217	Thread
GF98-12	1/2"
GF98-1	1"
GF98-114	1.1/4"
GF98-112	1.1/2"
GF98-2	2"
Tech Sheet 1772	

Female Equal Elbow 45° (120)



Black, BSPP Female

0217	Thread
GF120-12N	1/2"
GF120-34N	3/4"
GF120-1N	1"
GF120-114N	1.1/4"
GF120-112N	1.1/2"
GF120-2N	2"
GF120-212N	2.1/2"
GF120-3N	3"
Tech Sheet 1773	

Galvanised, BSPP Female

0217	Thread
GF120-12	1/2"
GF120-34	3/4"
GF120-1	1"
GF120-114	1.1/4"
GF120-112	1.1/2"
GF120-2	2"
GF120-3	3"
Tech Sheet 1773	

Male x Female Equal Elbow 45° (121)



Black, BSPT Male x BSPP Female

0217	Thread
GF121-38N	3/8"
GF121-12N	1/2"
GF121-34N	3/4"
GF121-1N	1"
GF121-114N	1.1/4"
GF121-112N	1.1/2"
GF121-2N	2"
Tech Sheet 1774	

Galvanised, BSPT Male x BSPP Female

0217	Thread
GF121-38	3/8"
GF121-12	1/2"
GF121-34	3/4"
GF121-1	1"
GF121-114	1.1/4"
GF121-112	1.1/2"
GF121-2	2"
GF121-212	2.1/2"
GF121-3	3"
Tech Sheet 1774	



You might also need...

Screwed & Socketed Steel Tubing



...see page 1383

MALLEABLE IRON FITTINGS



Female Equal Tee (130)



Black, BSPP Female

0217	Thread
GF130-14N	1/4"
GF130-38N	3/8"
GF130-12N	1/2"
GF130-34N	3/4"
GF130-1N	1"
GF130-114N	1.1/4"
GF130-112N	1.1/2"
GF130-2N	2"
GF130-212N	2.1/2"
GF130-3N	3"
GF130-4N	4"
GF130-5N	5"
GF130-6N	6"

Tech Sheet 1774

Galvanized, BSPP Female

0217	Thread
GF130-14	1/4"
GF130-38	3/8"
GF130-12	1/2"
GF130-34	3/4"
GF130-1	1"
GF130-114	1.1/4"
GF130-112	1.1/2"
GF130-2	2"
GF130-212	2.1/2"
GF130-3	3"
GF130-5	5"

Tech Sheet 1774

Unequal Tee, Reducing on Branch (130)



Black, BSPP

0217	Thread A	Thread B
GF130-38-14N	3/8"	1/4"
GF130-12-14N	1/2"	1/4"
GF130-12-38N	1/2"	3/8"
GF130-12-34N	1/2"	3/4"
GF130-34-14N	3/4"	1/4"
GF130-34-38N	3/4"	3/8"
GF130-34-12N	3/4"	1/2"
GF130-34-1N	3/4"	1"
GF130-1-38N	1"	3/8"
GF130-1-12N	1"	1/2"
GF130-1-34N	1"	3/4"
GF130-1-114N	1"	1.1/4"
GF130-1-112N	1"	1.1/2"
GF130-114-12N	1.1/4"	1/2"
GF130-114-34N	1.1/4"	3/4"
GF130-114-1N	1.1/4"	1"
GF130-112-12N	1.1/2"	1/2"
GF130-112-34N	1.1/2"	3/4"
GF130-112-1N	1.1/2"	1"
GF130-112-114N	1.1/2"	1.1/4"
GF130-112-2N	1.1/2"	2"
GF130-2-12N	2"	1/2"
GF130-2-34N	2"	3/4"
GF130-2-1N	2"	1"
GF130-2-114N	2"	1.1/4"
GF130-2-112N	2"	1.1/2"
GF130-2-212N	2"	2.1/2"
GF130-212-12N	2.1/2"	1/2"
GF130-212-34N	2.1/2"	3/4"
GF130-212-1N	2.1/2"	1"
GF130-212-114N	2.1/2"	1.1/4"
GF130-212-112N	2.1/2"	1.1/2"
GF130-212-2N	2.1/2"	2"
GF130-3-34N	3"	3/4"
GF130-3-1N	3"	1"
GF130-3-114N	3"	1.1/4"
GF130-3-112N	3"	1.1/2"
GF130-3-2N	3"	2"
GF130-3-212N	3"	2.1/2"
GF130-4-1N	4"	1"
GF130-4-112N	4"	1.1/2"
GF130-4-2N	4"	2"
GF130-4-212N	4"	2.1/2"
GF130-4-3N	4"	3"

Tech Sheet 1775



Galvanized, BSPP

0217	Thread A	Thread B
GF130-38-14	3/8"	1/4"
GF130-12-14	1/2"	1/4"
GF130-12-38	1/2"	3/8"
GF130-12-34	1/2"	3/4"
GF130-34-14	3/4"	1/4"
GF130-34-38	3/4"	3/8"
GF130-34-12	3/4"	1/2"
GF130-34-1	3/4"	1"
GF130-1-38	1"	3/8"
GF130-1-12	1"	1/2"
GF130-1-34	1"	3/4"
GF130-1-114	1"	1.1/4"
GF130-1-112	1"	1.1/2"
GF130-114-12	1.1/4"	1/2"
GF130-114-34	1.1/4"	3/4"
GF130-114-1	1.1/4"	1"
GF130-112-12	1.1/2"	1/2"
GF130-112-34	1.1/2"	3/4"
GF130-112-1	1.1/2"	1"
GF130-112-114	1.1/2"	1.1/4"
GF130-112-2	1.1/2"	2"
GF130-2-12	2"	1/2"
GF130-2-34	2"	3/4"
GF130-2-1	2"	1"
GF130-2-114	2"	1.1/4"
GF130-2-112	2"	1.1/2"
GF130-2-212	2"	2.1/2"
GF130-212-12	2.1/2"	1/2"
GF130-212-34	2.1/2"	3/4"
GF130-212-1	2.1/2"	1"
GF130-212-114	2.1/2"	1.1/4"
GF130-212-112	2.1/2"	1.1/2"
GF130-212-2	2.1/2"	2"
GF130-3-34	3"	3/4"
GF130-3-1	3"	1"
GF130-3-114	3"	1.1/4"
GF130-3-112	3"	1.1/2"
GF130-3-2	3"	2"
GF130-3-212	3"	2.1/2"
GF130-4-1	4"	1"
GF130-4-112	4"	1.1/2"
GF130-4-2	4"	2"
GF130-4-3	4"	3"

Tech Sheet 1775

MALLEABLE IRON FITTINGS



Unequal Tee, Reducing on Run/Branch (130)



Black, BSPP

0217	Thread A	Thread B	Thread C
GF130-12-38-38N	1/2"	3/8"	3/8"
GF130-34-12-12N	3/4"	1/2"	1/2"
GF130-34-12-34N	3/4"	1/2"	3/4"
GF130-1-12-1N	1"	1/2"	1"
GF130-1-34-12N	1"	3/4"	1/2"
GF130-1-34-34N	1"	3/4"	3/4"
GF130-1-34-1N	1"	3/4"	1"
GF130-114-12114N	1.1/4"	1/2"	1.1/4"
GF130-114-1-12N	1.1/4"	1"	1/2"
GF130-114-1-34N	1.1/4"	1"	3/4"
GF130-114-1-1N	1.1/4"	1"	1"
GF130-114-1-114N	1.1/4"	1"	1.1/4"
GF130-112-12112N	1.1/2"	1/2"	1.1/2"
GF130-112-1-1N	1.1/2"	1"	1"
GF130-112-1-112N	1.1/2"	1"	1.1/2"
GF130-112-11412N	1.1/2"	1.1/4"	1/2"
GF130-112-114-1N	1.1/2"	1.1/4"	1"
GF130-112114114N	1.1/2"	1.1/4"	1.1/4"
GF130-2-12-2N	2"	1/2"	2"
GF130-2-34-2N	2"	3/4"	2"
GF130-2-1-2N	2"	1"	2"
GF130-2-112-1N	2"	1.1/2"	1"
GF130-2-112-114N	2"	1.1/2"	1.1/4"
GF130-2-112-112N	2"	1.1/2"	1.1/2"
GF130-2-112-2N	2"	1.1/2"	2"
GF130-212112212N	2.1/2"	1.1/2"	2.1/2"
GF130-212-2-2N	2.1/2"	2"	2"

Tech Sheet 1776



Galvanised, BSPP

0217	Thread A	Thread B	Thread C
GF130-12-38-38	1/2"	3/8"	3/8"
GF130-34-12-12	3/4"	1/2"	1/2"
GF130-34-12-34	3/4"	1/2"	3/4"
GF130-1-12-1	1"	1/2"	1"
GF130-1-34-12	1"	3/4"	1/2"
GF130-1-34-34	1"	3/4"	3/4"
GF130-1-34-1	1"	3/4"	1"
GF130-114-12-114	1.1/4"	1/2"	1.1/4"
GF130-114-1-12	1.1/4"	1"	1/2"
GF130-114-1-34	1.1/4"	1"	3/4"
GF130-114-1-1	1.1/4"	1"	1"
GF130-114-1-114	1.1/4"	1"	1.1/4"
GF130-112-12-112	1.1/2"	1/2"	1.1/2"
GF130-112-1-1	1.1/2"	1"	1"
GF130-112-1-112	1.1/2"	1"	1.1/2"
GF130-112-11412	1.1/2"	1.1/4"	1/2"
GF130-112-114-1	1.1/2"	1.1/4"	1"
GF130-112-114114	1.1/2"	1.1/4"	1.1/4"
GF130-2-12-2	2"	1/2"	2"
GF130-2-34-2	2"	3/4"	2"
GF130-2-1-2	2"	1"	2"
GF130-2-112-1	2"	1.1/2"	1"
GF130-2-112-114	2"	1.1/2"	1.1/4"
GF130-2-112-2	2"	1.1/2"	2"
GF130-212-112212	2.1/2"	1.1/2"	2.1/2"
GF130-212-2-2	2.1/2"	2"	2"
GF130-3-2-2	3"	2"	2"

Tech Sheet 1776

Female Equal Pitcher Tee (131)



Black, BSPP Female

0217	Thread
GF131-12N	1/2"
GF131-34N	3/4"
GF131-1N	1"
GF131-114N	1.1/4"
GF131-112N	1.1/2"
GF131-2N	2"
GF131-212N	2.1/2"
GF131-3N	3"
GF131-4N	4"

Tech Sheet 1776

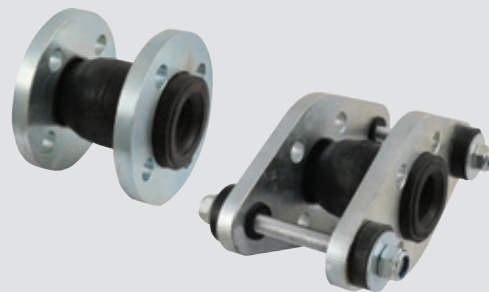
Galvanised, BSPP Female

0217	Thread
GF131-12	1/2"
GF131-34	3/4"
GF131-1	1"
GF131-114	1.1/4"
GF131-112	1.1/2"
GF131-2	2"
GF131-212	2.1/2"
GF131-3	3"

Tech Sheet 1776



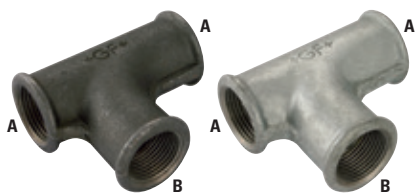
For **Flexible Rubber Bellows**
see page **1388**



MALLEABLE IRON FITTINGS



Female Pitcher Tee, Reducing on Branch (131)



Black, BSPP

0217	Thread A	Thread B
GF131-34-12N	3/4"	1/2"
GF131-1-12N	1"	1/2"
GF131-1-34N	1"	3/4"
GF131-114-12N	1.1/4"	1/2"
GF131-114-34N	1.1/4"	3/4"
GF131-114-1N	1.1/4"	1"
GF131-112-34N	1.1/2"	3/4"
GF131-112-1N	1.1/2"	1"
GF131-112-114N	1.1/2"	1.1/4"
GF131-2-34N	2"	3/4"
GF131-2-1N	2"	1"
GF131-2-114N	2"	1.1/4"
GF131-2-112N	2"	1.1/2"
GF131-3-2N	3"	2"

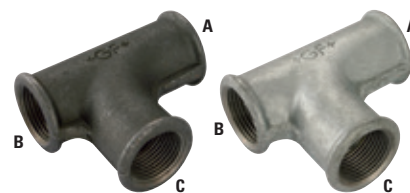
Tech Sheet 1777

Galvanised, BSPP

0217	Thread A	Thread B
GF131-34-12	3/4"	1/2"
GF131-1-12	1"	1/2"
GF131-1-34	1"	3/4"
GF131-114-12	1.1/4"	1/2"
GF131-114-34	1.1/4"	3/4"
GF131-114-1	1.1/4"	1"
GF131-112-34	1.1/2"	3/4"
GF131-112-1	1.1/2"	1"
GF131-112-114	1.1/2"	1.1/4"
GF131-2-34	2"	3/4"
GF131-2-1	2"	1"
GF131-2-114	2"	1.1/4"
GF131-2-112	2"	1.1/2"
GF131-212-114	2.1/2"	1.1/4"
GF131-3-2	3"	2"

Tech Sheet 1777

Female Pitcher Tee, Reducing on Run/Branch (131)



Black, BSPP

0217	Thread A	Thread B	Thread C
GF131-34-12-12N	3/4"	1/2"	1/2"
GF131-1-34-34N	1"	3/4"	3/4"

Tech Sheet 1777

Galvanised, BSPP

0217	Thread A	Thread B	Thread C
GF131-34-12-12	3/4"	1/2"	1/2"
GF131-1-34-34	1"	3/4"	3/4"

Tech Sheet 1777

Female Equal Twin Elbow (132)



Black, BSPP Female

0217	Thread
GF132-12N	1/2"
GF132-34N	3/4"
GF132-1N	1"
GF132-114N	1.1/4"
GF132-112N	1.1/2"
GF132-2N	2"

Tech Sheet 1778

Galvanised, BSPP Female

0217	Thread
GF132-12	1/2"
GF132-34	3/4"
GF132-1	1"
GF132-114	1.1/4"
GF132-112	1.1/2"

Tech Sheet 1778

Female Equal Cross (180)



Black, BSPP Female

0217	Thread
GF180-12N	1/2"
GF180-34N	3/4"
GF180-1N	1"
GF180-114N	1.1/4"
GF180-112N	1.1/2"
GF180-2N	2"
GF180-212N	2.1/2"
GF180-3N	3"
GF180-4N	4"

Tech Sheet 1779

Galvanised, BSPP Female

0217	Thread
GF180-12	1/2"
GF180-34	3/4"
GF180-1	1"
GF180-114	1.1/4"
GF180-112	1.1/2"
GF180-2	2"
GF180-212	2.1/2"
GF180-3	3"
GF180-4	4"

Tech Sheet 1779

MALLEABLE IRON FITTINGS



Female Reducing Socket (240)



Black, BSPP Female

0217	Thread	Thread
GF240-14-18N *	1/4"	1/8"
GF240-38-14N *	3/8"	1/4"
GF240-12-14N	1/2"	1/4"
GF240-12-38N	1/2"	3/8"
GF240-34-38N	3/4"	3/8"
GF240-34-12N	3/4"	1/2"
GF240-1-12N	1"	1/2"
GF240-1-34N	1"	3/4"
GF240-114-12N	1.1/4"	1/2"
GF240-114-34N	1.1/4"	3/4"
GF240-114-1N	1.1/4"	1"
GF240-112-12N	1.1/2"	1/2"
GF240-112-34N	1.1/2"	3/4"
GF240-112-1N	1.1/2"	1"
GF240-112-114N	1.1/2"	1.1/4"
GF240-2-34N	2"	3/4"
GF240-2-1N	2"	1"
GF240-2-114N	2"	1.1/4"
GF240-2-112N	2"	1.1/2"
GF240-212-112N	2.1/2"	1.1/2"
GF240-212-2N	2.1/2"	2"
GF240-3-112N	3"	1.1/2"
GF240-3-2N	3"	2"
GF240-3-212N	3"	2.1/2"
GF240-4-2N	4"	2"
GF240-4-212N	4"	2.1/2"
GF240-4-3N	4"	3"

Tech Sheet 1780



Galvanised, BSPP Female

0217	Thread	Thread
GF240-14-18 *	1/4"	1/8"
GF240-38-14 *	3/8"	1/4"
GF240-12-14	1/2"	1/4"
GF240-34-38	3/4"	3/8"
GF240-34-12	3/4"	1/2"
GF240-1-12	1"	1/2"
GF240-1-34	1"	3/4"
GF240-114-12	1.1/4"	1/2"
GF240-114-34	1.1/4"	3/4"
GF240-114-1	1.1/4"	1"
GF240-112-12	1.1/2"	1/2"
GF240-112-34	1.1/2"	3/4"
GF240-112-1	1.1/2"	1"
GF240-112-114	1.1/2"	1.1/4"
GF240-2-34	2"	3/4"
GF240-2-1	2"	1"
GF240-2-114	2"	1.1/4"
GF240-2-112	2"	1.1/2"
GF240-212-112	2.1/2"	1.1/2"
GF240-212-2	2.1/2"	2"
GF240-3-112	3"	1.1/2"
GF240-3-2	3"	2"
GF240-3-212	3"	2.1/2"
GF240-4-2	4"	2"
GF240-4-212	4"	2.1/2"
GF240-4-3	4"	3"

Tech Sheet 1780

*These types of fittings are made of steel (galvanised finish – electro plated) and therefore unsuitable for potable water installations.



For Pipeclamps Handrail Systems
see page 1393



MALLEABLE IRON FITTINGS



Male x Female Reducing Bush (241)



Black, BSPT Male x BSPP Female

0217	Thread	Thread
GF241-14-18N*	1/4"	1/8"
GF241-38-18N*	3/8"	1/8"
GF241-38-14N*	3/8"	1/4"
GF241-12-18N	1/2"	1/8"
GF241-12-14N	1/2"	1/4"
GF241-12-38N	1/2"	3/8"
GF241-34-14N	3/4"	1/4"
GF241-34-38N	3/4"	3/8"
GF241-34-12N	3/4"	1/2"
GF241-1-14N	1"	1/4"
GF241-1-38N	1"	3/8"
GF241-1-12N	1"	1/2"
GF241-1-34N	1"	3/4"
GF241-114-38N	1.1/4"	3/8"
GF241-114-12N	1.1/4"	1/2"
GF241-114-34N	1.1/4"	3/4"
GF241-114-1N	1.1/4"	1"
GF241-112-38N	1.1/2"	3/8"
GF241-112-12N	1.1/2"	1/2"
GF241-112-34N	1.1/2"	3/4"
GF241-112-1N	1.1/2"	1"
GF241-112-114N	1.1/2"	1.1/4"
GF241-2-12N	2"	1/2"
GF241-2-34N	2"	3/4"
GF241-2-1N	2"	1"
GF241-2-114N	2"	1.1/4"
GF241-2-112N	2"	1.1/2"
GF241-212-1N	2.1/2"	1"
GF241-212-114N	2.1/2"	1.1/4"
GF241-212-112N	2.1/2"	1.1/2"
GF241-212-2N	2.1/2"	2"
GF241-3-1N	3"	1"
GF241-3-114N	3"	1.1/4"
GF241-3-112N	3"	1.1/2"
GF241-3-2N	3"	2"
GF241-3-212N	3"	2.1/2"
GF241-4-2N	4"	2"
GF241-4-212N	4"	2.1/2"
GF241-4-3N	4"	3"
GF241-6-4N	6"	4"

Tech Sheet 1781



Galvanised, BSPT Male x BSPP Female

0217	Thread	Thread
GF241-14-18*	1/4"	1/8"
GF241-38-18*	3/8"	1/8"
GF241-38-14*	3/8"	1/4"
GF241-12-18	1/2"	1/8"
GF241-12-14	1/2"	1/4"
GF241-12-38	1/2"	3/8"
GF241-34-14	3/4"	1/4"
GF241-34-38	3/4"	3/8"
GF241-34-12	3/4"	1/2"
GF241-1-14	1"	1/4"
GF241-1-38	1"	3/8"
GF241-1-12	1"	1/2"
GF241-1-34	1"	3/4"
GF241-114-38	1.1/4"	3/8"
GF241-114-12	1.1/4"	1/2"
GF241-114-34	1.1/4"	3/4"
GF241-114-1	1.1/4"	1"
GF241-112-38	1.1/2"	3/8"
GF241-112-12	1.1/2"	1/2"
GF241-112-34	1.1/2"	3/4"
GF241-112-1	1.1/2"	1"
GF241-112-114	1.1/2"	1.1/4"
GF241-2-12	2"	1/2"
GF241-2-34	2"	3/4"
GF241-2-1	2"	1"
GF241-2-114	2"	1.1/4"
GF241-2-112	2"	1.1/2"
GF241-212-1	2.1/2"	1"
GF241-212-114	2.1/2"	1.1/4"
GF241-212-2	2.1/2"	2"
GF241-3-1	3"	1"
GF241-3-114	3"	1.1/4"
GF241-3-112	3"	1.1/2"
GF241-3-2	3"	2"
GF241-3-212	3"	2.1/2"
GF241-4-2	4"	2"
GF241-4-212	4"	2.1/2"
GF241-4-3	4"	3"

Tech Sheet 1781

Male Reducing Hexagon Nipple (245)



Black, BSPT Male x BSPT Male

0217	Thread	Thread
GF245-14-18N*	1/4"	1/8"
GF245-38-14N*	3/8"	1/4"
GF245-12-38N	1/2"	3/8"
GF245-34-38N	3/4"	3/8"
GF245-34-12N	3/4"	1/2"
GF245-1-12N	1"	1/2"
GF245-1-34N	1"	3/4"
GF245-114-34N	1.1/4"	3/4"
GF245-114-1N	1.1/4"	1"
GF245-112-1N	1.1/2"	1"
GF245-112-114N	1.1/2"	1.1/4"
GF245-2-1N	2"	1"
GF245-2-114N	2"	1.1/4"
GF245-2-112N	2"	1.1/2"
GF245-3-2N	3"	2"

Tech Sheet 1782

Galvanised, BSPT Male x BSPT Male

0217	Thread	Thread
GF245-14-18*	1/4"	1/8"
GF245-38-14*	3/8"	1/4"
GF245-12-14	1/2"	1/4"
GF245-12-38	1/2"	3/8"
GF245-34-38	3/4"	3/8"
GF245-34-12	3/4"	1/2"
GF245-1-12	1"	1/2"
GF245-1-34	1"	3/4"
GF245-114-34	1.1/4"	3/4"
GF245-114-1	1.1/4"	1"
GF245-112-1	1.1/2"	1"
GF245-112-114	1.1/2"	1.1/4"
GF245-2-1	2"	1"
GF245-2-114	2"	1.1/4"
GF245-2-112	2"	1.1/2"

Tech Sheet 1782

*These types of fittings are made of steel (galvanised finish – electro plated) and therefore unsuitable for potable water installations.

MALLEABLE IRON FITTINGS



Male x Female Reducing Socket (246)



Black, BSPT Male x BSPP Female

0217	Female Thread	Male Thread
GF246-34-12N	3/4"	1/2"
GF246-1-34N	1"	3/4"
GF246-114-1N	1.1/4"	1"

Tech Sheet 1783

Galvanised, BSPT Male x BSPP Female

0217	Female Thread	Male Thread
GF246-1-34	1"	3/4"
GF246-114-1	1.1/4"	1"

Tech Sheet 1783

Female Reducing Socket, Eccentric (260)



Black, BSPP Female x BSPP Female

0217	Thread	Thread
GF260-34-12N	3/4"	1/2"
GF260-1-12N	1"	1/2"
GF260-1-34N	1"	3/4"
GF260-114-12N	1.1/4"	1/2"
GF260-114-34N	1.1/4"	3/4"
GF260-114-1N	1.1/4"	1"
GF260-112-1N	1.1/2"	1"
GF260-112-114N	1.1/2"	1.1/4"
GF260-2-12N	2"	1/2"
GF260-2-1N	2"	1"
GF260-2-114N	2"	1.1/4"
GF260-2-112N	2"	1.1/2"

Tech Sheet 1784

Galvanised, BSPP Female x BSPP Female

0217	Thread	Thread
GF260-34-12	3/4"	1/2"
GF260-1-12	1"	1/2"
GF260-1-34	1"	3/4"
GF260-114-12	1.1/4"	1/2"
GF260-114-34	1.1/4"	3/4"
GF260-114-1	1.1/4"	1"
GF260-112-1	1.1/2"	1"
GF260-112-114	1.1/2"	1.1/4"
GF260-2-12	2"	1/2"
GF260-2-1	2"	1"
GF260-2-114	2"	1.1/4"
GF260-2-112	2"	1.1/2"

Tech Sheet 1784

Female Equal Socket (270)



Black, BSPP Female

0217	Thread
GF270-18N*	1/8"
GF270-14N*	1/4"
GF270-38N	3/8"
GF270-12N	1/2"
GF270-34N	3/4"
GF270-1N	1"
GF270-114N	1.1/4"
GF270-112N	1.1/2"
GF270-2N	2"
GF270-212N	2.1/2"
GF270-3N	3"
GF270-4N	4"

Tech Sheet 1785

Galvanised, BSPP Female

0217	Thread
GF270-18*	1/8"
GF270-14*	1/4"
GF270-38	3/8"
GF270-12	1/2"
GF270-34	3/4"
GF270-1	1"
GF270-114	1.1/4"
GF270-112	1.1/2"
GF270-2	2"
GF270-212	2.1/2"
GF270-3	3"
GF270-4	4"

Tech Sheet 1785

*These types of fittings are made of steel (galvanised finish – electro plated) and therefore unsuitable for potable water installations.



For **Disability Access**
see page 1398



MALLEABLE IRON FITTINGS



Male Equal Hexagon Nipple (280)



Black, BSPT Male

0217	Thread
GF280-18N*	1/8"
GF280-14N*	1/4"
GF280-38N	3/8"
GF280-12N	1/2"
GF280-34N	3/4"
GF280-1N	1"
GF280-114N	1.1/4"
GF280-112N	1.1/2"
GF280-2N	2"
GF280-212N	2.1/2"
GF280-3N	3"
GF280-4N	4"

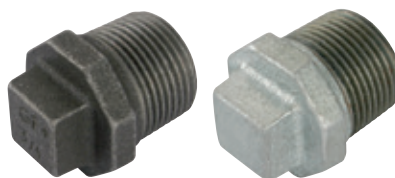
Tech Sheet 1786

Galvanised, BSPT Male

0217	Thread
GF280-18*	1/8"
GF280-14*	1/4"
GF280-38	3/8"
GF280-12	1/2"
GF280-34	3/4"
GF280-1	1"
GF280-114	1.1/4"
GF280-112	1.1/2"
GF280-2	2"
GF280-212	2.1/2"
GF280-3	3"
GF280-4	4"

Tech Sheet 1786

Plug, Beaded Hollow (290)



Black

0217	Thread
GF290-14N	1/4"
GF290-38N	3/8"
GF290-12N	1/2"
GF290-34N	3/4"
GF290-1N	1"
GF290-114N	1.1/4"
GF290-112N	1.1/2"
GF290-2N	2"

Tech Sheet 1787

Galvanised

0217	Thread
GF290-14	1/4"
GF290-38	3/8"
GF290-12	1/2"
GF290-34	3/4"
GF290-1	1"
GF290-114	1.1/4"
GF290-112	1.1/2"
GF290-2	2"

Tech Sheet 1787

Plug, Plain Hollow (291)



Black, BSPT

0217	Thread
GF291-12N	1/2"
GF291-34N	3/4"
GF291-1N	1"
GF291-114N	1.1/4"
GF291-112N	1.1/2"
GF291-2N	2"
GF291-212N	2.1/2"
GF291-3N	3"
GF291-4N	4"

Tech Sheet 1788

Galvanised, BSPT

0217	Thread
GF291-12	1/2"
GF291-34	3/4"
GF291-1	1"
GF291-114	1.1/4"
GF291-112	1.1/2"
GF291-2	2"
GF291-212	2.1/2"
GF291-3	3"
GF291-4	4"

Tech Sheet 1788

*These types of fittings are made of steel (galvanised finish – electro plated) and therefore unsuitable for potable water installations.

For **Pipe Repair Couplings**
see page 1557



MALLEABLE IRON FITTINGS



Plug, Plain Solid (291S)



Black, BSPT

0217	Thread
GF291S-18N*	1/8"
GF291S-14N*	1/4"
GF291S-12N	1/2"
GF291S-34N	3/4"
GF291S-1N	1"
GF291S-114N	1.1/4"
GF291S-112N	1.1/2"
GF291S-2N	2"

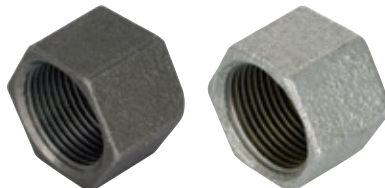
Tech Sheet 1788

Galvanised, BSPT

0217	Thread
GF291S-14	1/4"
GF291S-38	3/8"
GF291S-12	1/2"
GF291S-34	3/4"
GF291S-1	1"
GF291S-114	1.1/4"
GF291S-112	1.1/2"
GF291S-2	2"

Tech Sheet 1788

Cap (300)



Black, BSPP

0217	Thread
GF300-14N	1/4"
GF300-38N	3/8"
GF300-12N	1/2"
GF300-34N	3/4"
GF300-1N	1"
GF300-114N	1.1/4"
GF300-112N	1.1/2"
GF300-2N	2"
GF300-212N	2.1/2"
GF300-3N	3"
GF300-4N	4"

Tech Sheet 1789

Galvanised, BSPP

0217	Thread
GF300-14	1/4"
GF300-12	1/2"
GF300-34	3/4"
GF300-1	1"
GF300-114	1.1/4"
GF300-112	1.1/2"
GF300-2	2"
GF300-212	2.1/2"
GF300-3	3"
GF300-4	4"

Tech Sheet 1789

Backnut, Recessed (312)



Black

0217	Thread
GF312-14N*	1/4"
GF312-12N	1/2"
GF312-34N	3/4"
GF312-1N	1"
GF312-114N	1.1/4"
GF312-112N	1.1/2"
GF312-2N	2"

Tech Sheet 1790

Galvanised

0217	Thread
GF312-38*	3/8"
GF312-12	1/2"
GF312-34	3/4"
GF312-1	1"
GF312-114	1.1/4"
GF312-112	1.1/2"
GF312-2	2"

Tech Sheet 1790

Flange, Undrilled (321)



Black

0217	Thread
GF321-12N	1/2"
GF321-1N	1"
GF321-114N	1.1/4"
GF321-112N	1.1/2"
GF321-2N	2"

Tech Sheet 1790

Galvanised

0217	Thread
GF321-34	3/4"
GF321-1	1"
GF321-114	1.1/4"
GF321-112	1.1/2"

Tech Sheet 1790

*These types of fittings are made of steel (galvanised finish – electro plated) and therefore unsuitable for potable water installations.

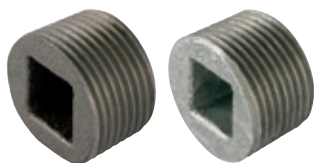


For **Stainless Steel Press Fit Piping System**
see pages 1118-1126

MALLEABLE IRON FITTINGS



Plug, Recessed (596)



Black, BSPT

0217	Thread
GF596-14N	1/4"
GF596-38N	3/8"
GF596-12N	1/2"
GF596-34N	3/4"
GF596-1N	1"
GF596-114N	1.1/4"
GF596-112N	1.1/2"
GF596-2N	2"

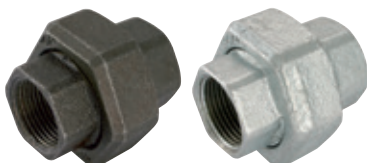
Tech Sheet 20758

Galvanised, BSPT

0217	Thread
GF596-14	1/4"
GF596-38	3/8"
GF596-12	1/2"
GF596-34	3/4"
GF596-1	1"
GF596-114	1.1/4"
GF596-112	1.1/2"

Tech Sheet 20758

Female Equal Union, Flat Seat (330)



Black, BSPP Female

0217	Thread
GF330-12N	1/2"
GF330-34N	3/4"
GF330-1N	1"
GF330-114N	1.1/4"
GF330-112N	1.1/2"
GF330-2N	2"

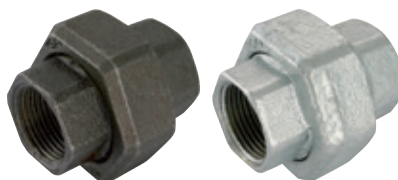
Tech Sheet 1791

Galvanised, BSPP Female

0217	Thread
GF330-12	1/2"
GF330-34	3/4"
GF330-1	1"
GF330-114	1.1/4"
GF330-112	1.1/2"
GF330-2	2"

Tech Sheet 1791

Female Equal Union, Iron to Iron, Taper Seat (340)



Black, BSPP Female

0217	Thread
GF340-14N	1/4"
GF340-38N	3/8"
GF340-12N	1/2"
GF340-34N	3/4"
GF340-1N	1"
GF340-114N	1.1/4"
GF340-112N	1.1/2"
GF340-2N	2"
GF340-212N	2.1/2"
GF340-4N	4"

Tech Sheet 1792

Galvanised, BSPP Female

0217	Thread
GF340-14	1/4"
GF340-38	3/8"
GF340-12	1/2"
GF340-34	3/4"
GF340-1	1"
GF340-114	1.1/4"
GF340-112	1.1/2"
GF340-2	2"
GF340-212	2.1/2"
GF340-3	3"
GF340-4	4"

Tech Sheet 1792

Male x Female Equal Union, Iron to Iron, Taper Seat (341)



Black, BSPT Male x BSPP Female

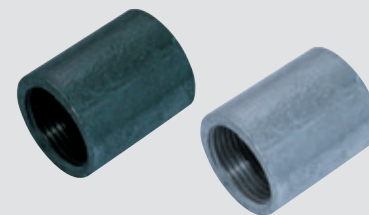
0217	Thread
GF341-14N	1/4"
GF341-38N	3/8"
GF341-12N	1/2"
GF341-34N	3/4"
GF341-1N	1"
GF341-114N	1.1/4"
GF341-112N	1.1/2"
GF341-2N	2"
GF341-3N	3"

Tech Sheet 1792

Galvanised, BSPT Male x BSPP Female

0217	Thread
GF341-14	1/4"
GF341-38	3/8"
GF341-12	1/2"
GF341-34	3/4"
GF341-1	1"
GF341-114	1.1/4"
GF341-112	1.1/2"
GF341-2	2"
GF341-212	2.1/2"
GF341-3	3"

Tech Sheet 1792

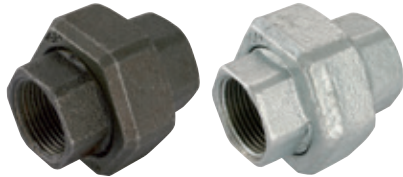


For Wrought Iron Sockets
see page 1385

MALLEABLE IRON FITTINGS



Female Equal Union, Bronze to Iron, Spherical Seat (342)



Black, BSPP Female

Q217	Thread
GF342-12N	1/2"
GF342-34N	3/4"
GF342-1N	1"
GF342-114N	1.1/4"
GF342-112N	1.1/2"
GF342-2N	2"

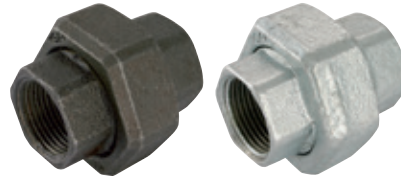
Tech Sheet 1793

Galvanised, BSPP Female

Q217	Thread
GF342-12	1/2"
GF342-34	3/4"
GF342-1	1"
GF342-114	1.1/4"
GF342-112	1.1/2"
GF342-2	2"

Tech Sheet 1793

Female Equal Mac Union, 2 Spherical Seats (346)



Black, BSPP Female

Q217	Thread
GF346-12N	1/2"
GF346-34N	3/4"
GF346-1N	1"
GF346-114N	1.1/4"
GF346-112N	1.1/2"
GF346-2N	2"

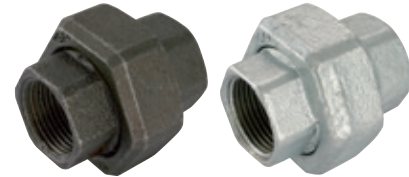
Tech Sheet 1794

Galvanised, BSPP Female

Q217	Thread
GF346-12	1/2"
GF346-34	3/4"
GF346-1	1"
GF346-114	1.1/4"
GF346-112	1.1/2"
GF346-2	2"

Tech Sheet 1794

Female Equal Union, Navy Pattern, Bronze to Bronze, Spherical Seat (342a)



Black, BSPP Female

Q217	Thread
GF342A-12N	1/2"
GF342A-34N	3/4"
GF342A-1N	1"
GF342A-114N	1.1/4"
GF342A-112N	1.1/2"
GF342A-2N	2"

Tech Sheet 1793

Galvanised, BSPP Female

Q217	Thread
GF342A-12	1/2"
GF342A-34	3/4"
GF342A-1	1"
GF342A-114	1.1/4"
GF342A-112	1.1/2"
GF342A-2	2"

Tech Sheet 1793



For X1 Maintenance Sprays
see page 1568

MALLEABLE IRON FITTINGS

CRANE
Material:

Crane malleable iron is of the Blackheart type ideally suited to pipe fitting and manufacture and conforms to BSEN1562 Designation EN-GJMB-300-6, ASTM A197 and ISO 5922.

Galvanised Finish:

Hot dip zinc coated (galvanised) prior to machining. Coating conforms to BSEN ISO1461 1998 and ASTM 153.

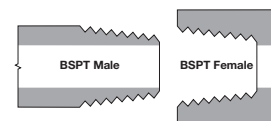
Thread:

Taper threads to BS21 (ISO 7)

Media:

Suitable for transfer or flow of water, steam, gas and other non aggressive media.

- BSI Kitemark approved
- PN25



Hexagon Nipple (Fig 144)


Black, BSPT

1091	Thread
C144-12N	1/2"
C144-34N	3/4"
C144-1N	1"
C144-114N	1.1/4"
C144-112N	1.1/2"
C144-2N	2"
C144-212N	2.1/2"
C144-3N	3"
C144-4N	4"

Tech Sheet 10655

Galvanised, BSPT

1091	Thread
C144-14	1/4"
C144-38	3/8"
C144-12	1/2"
C144-34	3/4"
C144-1	1"
C144-114	1.1/4"
C144-112	1.1/2"
C144-2	2"
C144-212	2.1/2"
C144-3	3"
C144-4	4"

Tech Sheet 10655

Hexagon Reducing Nipple (Fig 145)


Black, BSPT

1091	Thread	Thread
C145-34-12N	3/4"	1/2"
C145-1-12N	1"	1/2"
C145-1-34N	1"	3/4"
C145-114-1N	1.1/4"	1"
C145-2-114N	2"	1.1/4"
C145-2-112N	2"	1.1/2"

Tech Sheet 10655

Galvanised, BSPT

1091	Thread	Thread
C145-34-12	3/4"	1/2"
C145-1-12	1"	1/2"
C145-1-34	1"	3/4"
C145-114-1	1.1/4"	1"
C145-112-114	1.1/2"	1.1/4"
C145-2-1	2"	1"
C145-2-112	2"	1.1/2"

Tech Sheet 10655

Male x Female Equal Union (Fig 257)


Black, BSPT

1091	Thread
C257-12N	1/2"
C257-34N	3/4"
C257-1N	1"
C257-114N	1.1/4"
C257-112N	1.1/2"
C257-2N	2"

Tech Sheet 20764

Galvanised, BSPT

1091	Thread
C257-12	1/2"
C257-34	3/4"
C257-1	1"
C257-114	1.1/4"
C257-112	1.1/2"
C257-2	2"

Tech Sheet 20764

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.

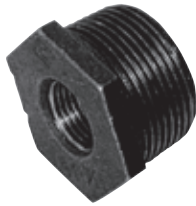


Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

MALLEABLE IRON FITTINGS

CRANE

Hexagon Bush (Fig 140)



Black, BSPT

1091	Male Thread	Female Thread
C140-12-18N	1/2"	1/8"
C140-12-14N	1/2"	1/4"
C140-12-38N	1/2"	3/8"
C140-34-18N	3/4"	1/8"
C140-34-14N	3/4"	1/4"
C140-34-38N	3/4"	3/8"
C140-34-12N	3/4"	1/2"
C140-1-14N	1"	1/4"
C140-1-38N	1"	3/8"
C140-1-12N	1"	1/2"
C140-1-34N	1"	3/4"
C140-114-34N	1.1/4"	3/4"
C140-114-1N	1.1/4"	1"
C140-112-12N	1.1/2"	1/2"
C140-112-34N	1.1/2"	3/4"
C140-112-1N	1.1/2"	1"
C140-112-114N	1.1/2"	1.1/4"
C140-2-12N	2"	1/2"
C140-2-34N	2"	3/4"
C140-2-1N	2"	1"
C140-2-114N	2"	1.1/4"
C140-2-112N	2"	1.1/2"
C140-212-12N	2.1/2"	1/2"
C140-212-1N	2.1/2"	1"
C140-212-114N	2.1/2"	1.1/4"
C140-212-112N	2.1/2"	1.1/2"
C140-212-2N	2.1/2"	2"
C140-3-114N	3"	1.1/4"
C140-3-112N	3"	1.1/2"
C140-3-2N	3"	2"
C140-3-212N	3"	2.1/2"
C140-4-2N	4"	2"
C140-4-212N	4"	2.1/2"
C140-4-3N	4"	3"

Tech Sheet 10671



Galvanised, BSPT

1091	Male Thread	Female Thread
C140-14-18	1/4"	1/8"
C140-38-18	3/8"	1/8"
C140-12-18	1/2"	1/8"
C140-12-14	1/2"	1/4"
C140-12-38	1/2"	3/8"
C140-34-18	3/4"	1/8"
C140-34-14	3/4"	1/4"
C140-34-38	3/4"	3/8"
C140-34-12	3/4"	1/2"
C140-1-14	1"	1/4"
C140-1-38	1"	3/8"
C140-1-12	1"	1/2"
C140-1-34	1"	3/4"
C140-114-12	1.1/4"	1/2"
C140-114-34	1.1/4"	3/4"
C140-114-1	1.1/4"	1"
C140-112-12	1.1/2"	1/2"
C140-112-34	1.1/2"	3/4"
C140-112-1	1.1/2"	1"
C140-112-114	1.1/2"	1.1/4"
C140-2-12	2"	1/2"
C140-2-34	2"	3/4"
C140-2-1	2"	1"
C140-2-114	2"	1.1/4"
C140-2-112	2"	1.1/2"
C140-212-12	2.1/2"	1/2"
C140-212-114	2.1/2"	1.1/4"
C140-212-112	2.1/2"	1.1/2"
C140-212-2	2.1/2"	2"
C140-3-1	3"	1"
C140-3-112	3"	1.1/2"
C140-3-2	3"	2"
C140-3-212	3"	2.1/2"
C140-4-2	4"	2"
C140-4-3	4"	3"

Tech Sheet 10671

Female Equal Socket (Fig 176)



Black, BSPP

1091	Thread
C176-12N	1/2"
C176-34N	3/4"
C176-1N	1"
C176-114N	1.1/4"
C176-112N	1.1/2"
C176-2N	2"

Tech Sheet 10670

Galvanised, BSPP

1091	Thread
C176-12	1/2"
C176-34	3/4"
C176-1	1"
C176-114	1.1/4"
C176-112	1.1/2"
C176-2	2"

Tech Sheet 10670

Female Equal Socket (Fig 177)



Black, BSPT

1091	Thread
C177-12N	1/2"
C177-34N	3/4"
C177-1N	1"
C177-114N	1.1/4"
C177-112N	1.1/2"
C177-2N	2"
C177-212N	2.1/2"
C177-3N	3"

Tech Sheet 10670

Galvanised, BSPT

1091	Thread
C177-12	1/2"
C177-34	3/4"
C177-1	1"
C177-114	1.1/4"
C177-112	1.1/2"
C177-2	2"

Tech Sheet 10670

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.

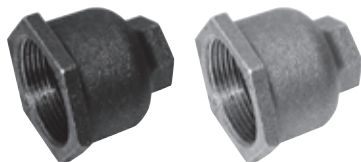


Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

MALLEABLE IRON FITTINGS

CRANE

Reducing Socket (Fig 179)



Black, BSPT

1091	Thread	Thread
C179-34-12N	3/4"	1/2"
C179-1-12N	1"	1/2"
C179-1-34N	1"	3/4"
C179-114-12N	1.1/4"	1/2"
C179-114-1N	1.1/4"	1"
C179-112-1N	1.1/2"	1"
C179-112-114N	1.1/2"	1.1/4"
C179-2-1N	2"	1"
C179-2-114N	2"	1.1/4"
C179-2-112N	2"	1.1/2"

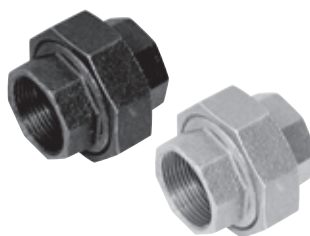
Tech Sheet 20774

Galvanised, BSPT

1091	Thread	Thread
C179-12-38	1/2"	3/8"
C179-34-12	3/4"	1/2"
C179-1-12	1"	1/2"
C179-1-34	1"	3/4"
C179-114-34	1.1/4"	3/4"
C179-114-1	1.1/4"	1"
C179-112-1	1.1/2"	1"
C179-112-114	1.1/2"	1.1/4"
C179-2-1	2"	1"
C179-2-114	2"	1.1/4"
C179-2-112	2"	1.1/2"

Tech Sheet 20774

Female Equal Union, Spherical Seat Iron to Iron (Fig 256)



Black, BSPT

1091	Thread
C256-12N	1/2"
C256-34N	3/4"
C256-1N	1"
C256-114N	1.1/4"
C256-112N	1.1/2"
C256-2N	2"
C256-212N	2.1/2"
C256-3N	3"

Tech Sheet 20765

Galvanised, BSPT

1091	Thread
C256-12	1/2"
C256-34	3/4"
C256-1	1"
C256-114	1.1/4"
C256-112	1.1/2"
C256-2	2"
C256-212	2.1/2"
C256-3	3"

Tech Sheet 20765

Female Equal Union, Spherical Seat Bronze to Bronze (Fig 289)



Black, BSPT

1091	Thread
C289-12N	1/2"
C289-34N	3/4"
C289-1N	1"
C289-114N	1.1/4"
C289-112N	1.1/2"
C289-2N	2"
C289-212N	2.1/2"

Tech Sheet 20768

Galvanised, BSPT

1091	Thread
C289-12	1/2"
C289-34	3/4"
C289-1	1"
C289-112	1.1/2"
C289-2	2"

Tech Sheet 20768

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.



Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

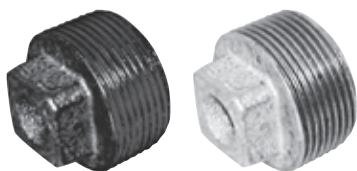
FT PRO

 For **Ball Valves**
 see pages **922-926**


MALLEABLE IRON FITTINGS

CRANE

Plain Plug, Hollow (Fig 147)



Black, BSPT

1091	Thread
C147-12N	1/2"
C147-34N	3/4"
C147-1N	1"
C147-114N	1.1/4"
C147-112N	1.1/2"
C147-2N	2"
C147-212N	2.1/2"
C147-3N	3"
C147-4N	4"

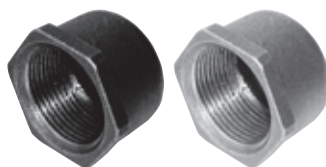
Tech Sheet 10672

Galvanised, BSPT

1091	Thread
C147-12	1/2"
C147-34	3/4"
C147-1	1"
C147-114	1.1/4"
C147-112	1.1/2"
C147-2	2"
C147-212	2.1/2"
C147-3	3"
C147-4	4"

Tech Sheet 10672

Cap (Fig 185)



Black, BSPT

1091	Thread
C185-12N	1/2"
C185-34N	3/4"
C185-1N	1"
C185-114N	1.1/4"
C185-112N	1.1/2"
C185-2N	2"
C185-212N	2.1/2"

Tech Sheet 10646

Galvanised, BSPT

1091	Thread
C185-12	1/2"
C185-34	3/4"
C185-1	1"
C185-112	1.1/2"
C185-2	2"

Tech Sheet 10646

Male x Female Equal Elbow (Fig 152)



Black, BSPT

1091	Thread
C152-14N	1/4"
C152-12N	1/2"
C152-34N	3/4"
C152-1N	1"
C152-114N	1.1/4"
C152-112N	1.1/2"
C152-2N	2"
C152-212N	2.1/2"
C152-3N	3"

Tech Sheet 10673

Galvanised, BSPT

1091	Thread
C152-12	1/2"
C152-34	3/4"
C152-1	1"
C152-114	1.1/4"
C152-112	1.1/2"
C152-2	2"

Tech Sheet 10673

Male x Female Reducing Elbow (Fig 152)



Black, BSPT

1091	Male Thread	Female Thread
C152-34-12N	3/4"	1/2"

Tech Sheet 20759

Galvanised, BSPT

1091	Male Thread	Female Thread
C152-34-12	3/4"	1/2"

Tech Sheet 20759

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.



Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

MALLEABLE IRON FITTINGS

CRANE

Female Equal Elbow (Fig 151)



Black, BSPT

1091	Thread
C151-12N	1/2"
C151-34N	3/4"
C151-1N	1"
C151-114N	1.1/4"
C151-112N	1.1/2"
C151-2N	2"
C151-212N	2.1/2"
C151-3N	3"
C151-4N	4"

Tech Sheet 10675

Galvanised, BSPT

1091	Thread
C151-12	1/2"
C151-34	3/4"
C151-1	1"
C151-114	1.1/4"
C151-112	1.1/2"
C151-2	2"
C151-212	2.1/2"
C151-3	3"

Tech Sheet 10675

Female Reducing Elbow (Fig 151)



Black, BSPT

1091	Thread	Thread
C151-1-12N	1"	1/2"

Tech Sheet 20760

Galvanised, BSPT

1091	Thread	Thread
C151-1-12	1"	1/2"
C151-114-1	1.1/4"	1"

Tech Sheet 20760

Male x Female Equal Bend (Fig 192)



Black, BSPT

1091	Thread
C192-12N	1/2"
C192-34N	3/4"
C192-1N	1"
C192-114N	1.1/4"
C192-112N	1.1/2"
C192-2N	2"

Tech Sheet 10643

Galvanised, BSPT

1091	Thread
C192-14	1/4"

Tech Sheet 10643

Female Equal Bend (Fig 193)



Black, BSPT

1091	Thread
C193-12N	1/2"
C193-34N	3/4"
C193-1N	1"
C193-112N	1.1/2"
C193-2N	2"
C193-212N	2.1/2"

Tech Sheet 10643

Galvanised, BSPT

1091	Thread
C193-12	1/2"
C193-34	3/4"
C193-1	1"
C193-114	1.1/4"
C193-112	1.1/2"
C193-2	2"
C193-212	2.1/2"
C193-3	3"

Tech Sheet 10643

Male x Female Equal 45° (Fig 156)



Black, BSPT

1091	Thread
C156-12N	1/2"
C156-34N	3/4"
C156-1N	1"
C156-114N	1.1/4"
C156-112N	1.1/2"
C156-2N	2"

Tech Sheet 10644

Galvanised, BSPT

1091	Thread
C156-12	1/2"
C156-34	3/4"
C156-1	1"
C156-114	1.1/4"
C156-112	1.1/2"
C156-2	2"

Tech Sheet 10644

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.



Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

MALLEABLE IRON FITTINGS

CRANE

Female Equal 45° (Fig 155)



Black, BSPT

1091	Thread
C155-12N	1/2"
C155-34N	3/4"
C155-1N	1"
C155-114N	1.1/4"
C155-112N	1.1/2"
C155-2N	2"
C155-3N	3"

Tech Sheet 10674

Galvanised, BSPT

1091	Thread
C155-12	1/2"
C155-34	3/4"
C155-1	1"
C155-114	1.1/4"
C155-112	1.1/2"
C155-2	2"

Tech Sheet 10674

Female Equal Tee (Fig 161)



Black, BSPT

1091	Thread
C161-14N	1/4"
C161-38N	3/8"
C161-12N	1/2"
C161-34N	3/4"
C161-1N	1"
C161-114N	1.1/4"
C161-112N	1.1/2"
C161-212N	2.1/2"
C161-3N	3"
C161-4N	4"

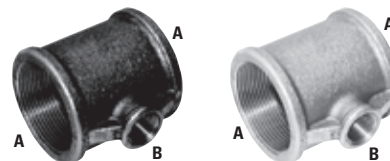
Tech Sheet 10650

Galvanised, BSPT

1091	Thread
C161-12	1/2"
C161-34	3/4"
C161-1	1"
C161-114	1.1/4"
C161-112	1.1/2"
C161-2	2"
C161-212	2.1/2"
C161-3	3"
C161-4	4"

Tech Sheet 10650

Unequal Reducing Branch Tee (Fig 161)



Black, BSPT

1091	Thread A	Thread B
C161-12-14N	1/2"	1/4"
C161-1-12N	1"	1/2"
C161-1-34N	1"	3/4"
C161-114-12N	1.1/4"	1/2"
C161-114-1N	1.1/4"	1"
C161-112-12N	1.1/2"	1/2"
C161-112-34N	1.1/2"	3/4"
C161-112-1N	1.1/2"	1"
C161-112-114N	1.1/2"	1.1/4"
C161-2-1N	2"	1"
C161-2-114N	2"	1.1/4"

Tech Sheet 10650

Galvanised, BSPT

1091	Thread A	Thread B
C161-34-12	3/4"	1/2"
C161-1-12	1"	1/2"
C161-1-34	1"	3/4"
C161-114-12	1.1/4"	1/2"
C161-114-34	1.1/4"	3/4"
C161-114-1	1.1/4"	1"
C161-112-12	1.1/2"	1/2"
C161-112-34	1.1/2"	3/4"
C161-112-1	1.1/2"	1"
C161-2-12	2"	1/2"
C161-2-1	2"	1"
C161-2-114	2"	1.1/4"
C161-2-112	2"	1.1/2"
C161-3-2	3"	2"

Tech Sheet 10650

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.



Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).



For **Fire Hose Reels & Accessories**
see page 1466



MALLEABLE IRON FITTINGS

CRANE

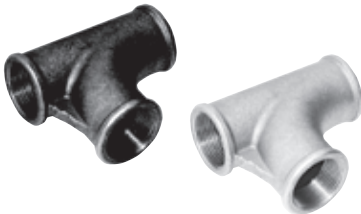
Twin Elbow (Fig 197)


Black, BSPT

1091	Thread
C197-12N	1/2"
C197-34N	3/4"
C197-1N	1"
C197-112N	1.1/2"
C197-2N	2"

Tech Sheet 10643

Female Equal Pitcher Tee (Fig 199) BS EN 10242


Black, BSPT

1091	Thread
C199-12N	1/2"
C199-34N	3/4"
C199-1N	1"
C199-112N	1.1/2"
C199-2N	2"

Tech Sheet 10649

Galvanised, BSPT

1091	Thread
C199-12	1/2"
C199-34	3/4"
C199-1	1"
C199-114	1.1/4"
C199-112	1.1/2"
C199-2	2"

Tech Sheet 10649

School Board Pipe Bracket (Fig 501)


Black

1091	Tube Nominal
CSB14N	1/4"
CSB12N	1/2"
CSB34N	3/4"
CSB1N	1"
CSB112N	1.1/2"
CSB2N	2"
CSB212N	2.1/2"
CSB3N	3"
CSB4N	4"

Galvanised

1091	Tube Nominal
CSB14	1/4"
CSB38	3/8"
CSB12	1/2"
CSB34	3/4"
CSB1	1"
CSB114	1.1/4"
CSB112	1.1/2"
CSB2	2"
CSB3	3"
CSB4	4"

Single Metric Tapping Pipe Ring (Fig 529M)


Black, BS3643

1091	Tube Nominal	Thread
C529M-38N	3/8"	M10
C529M-12N	1/2"	M10
C529M-34N	3/4"	M10
C529M-1N	1"	M10
C529M-114N	1.1/4"	M10
C529M-112N	1.1/2"	M10
C529M-2N	2"	M10
C529M-212N	2.1/2"	M12
C529M-3N	3"	M12
C529M-4N	4"	M12

Galvanised, BS3643

1091	Tube Nominal	Thread
C529M-38	3/8"	M10
C529M-12	1/2"	M10
C529M-1	1"	M10
C529M-114	1.1/4"	M10
C529M-112	1.1/2"	M10
C529M-2	2"	M10
C529M-212	2.1/2"	M12
C529M-3	3"	M12
C529M-4	4"	M12

Double Metric Tapping Pipe Ring (Fig 530M)


Black, BS3643

1091	Tube Nominal	Thread
C530M-34N	3/4"	M10
C530M-1N	1"	M10
C530M-114N	1.1/4"	M10

Galvanised, BS3643

1091	Tube Nominal	Thread
C530M-1	1"	M10
C530M-114	1.1/4"	M10
C530M-112	1.1/2"	M10

CRANE

Malleable Iron Fittings Suitable for Use with Drinking Water.



Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

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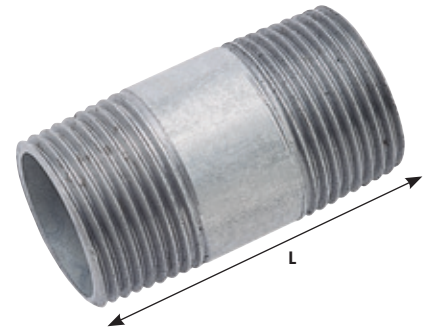


See pages 1742-1746

MALLEABLE IRON FITTINGS



Medium-duty Malleable Iron Barrel Nipples



Galvanised, BSPT

0305	Thread	Length mm
MIB-18X60	1/8"	60
MIB-18X80	1/8"	80
MIB-14X40	1/4"	40
MIB-14X60	1/4"	60
MIB-14X80	1/4"	80
MIB-14X100	1/4"	100
MIB-14X120	1/4"	120
MIB-14X150	1/4"	150
MIB-14X180	1/4"	180
MIB-14X200	1/4"	200
MIB-14X250	1/4"	250
MIB-14X300	1/4"	300
MIB-38X40	3/8"	40
MIB-38X50	3/8"	50
MIB-38X60	3/8"	60
MIB-38X80	3/8"	80
MIB-38X100	3/8"	100
MIB-38X120	3/8"	120
MIB-38X150	3/8"	150
MIB-38X180	3/8"	180
MIB-38X200	3/8"	200
MIB-38X250	3/8"	250
MIB-38X300	3/8"	300
MIB-12X30	1/2"	30
MIB-12X40	1/2"	40
MIB-12X50	1/2"	50
MIB-12X60	1/2"	60
MIB-12X80	1/2"	80
MIB-12X100	1/2"	100

0305	Thread	Length mm
MIB-12X120	1/2"	120
MIB-12X150	1/2"	150
MIB-12X180	1/2"	180
MIB-12X200	1/2"	200
MIB-12X250	1/2"	250
MIB-12X300	1/2"	300
MIB-34X30	3/4"	30
MIB-34X40	3/4"	40
MIB-34X60	3/4"	60
MIB-34X70	3/4"	70
MIB-34X80	3/4"	80
MIB-34X100	3/4"	100
MIB-34X120	3/4"	120
MIB-34X150	3/4"	150
MIB-34X180	3/4"	180
MIB-34X200	3/4"	200
MIB-34X250	3/4"	250
MIB-34X300	3/4"	300
MIB-34X1000	3/4"	1000
MIB-34X1500	3/4"	1500
MIB-1X30	1"	30
MIB-1X40	1"	40
MIB-1X50	1"	50
MIB-1X60	1"	60
MIB-1X70	1"	70
MIB-1X80	1"	80
MIB-1X100	1"	100
MIB-1X120	1"	120
MIB-1X150	1"	150

0305	Thread	Length mm
MIB-1X180	1"	180
MIB-1X200	1"	200
MIB-1X250	1"	250
MIB-1X300	1"	300
MIB-114X80	1.1/4"	80
MIB-114X100	1.1/4"	100
MIB-114X120	1.1/4"	120
MIB-114X125	1.1/4"	125
MIB-114X150	1.1/4"	150
MIB-114X180	1.1/4"	180
MIB-114X200	1.1/4"	200
MIB-114X250	1.1/4"	250
MIB-114X300	1.1/4"	300
MIB-112X80	1.1/2"	80
MIB-112X100	1.1/2"	100
MIB-112X120	1.1/2"	120
MIB-112X150	1.1/2"	150
MIB-112X180	1.1/2"	180
MIB-112X200	1.1/2"	200
MIB-112X250	1.1/2"	250
MIB-112X300	1.1/2"	300
MIB-2X80	2"	80
MIB-2X100	2"	100
MIB-2X120	2"	120
MIB-2X150	2"	150
MIB-2X180	2"	180
MIB-2X200	2"	200
MIB-2X250	2"	250
MIB-2X300	2"	300

You might also need...



PORTWEST

For Portwest PPE
see pages 1752-1760

Medium-duty Malleable Iron Barrel Nipples



Black, BSPT

Q305	Thread	Length mm
MIB-14X40N	1/4"	40
MIB-14X60N	1/4"	60
MIB-14X80N	1/4"	80
MIB-14X100N	1/4"	100
MIB-14X120N	1/4"	120
MIB-14X150N	1/4"	150
MIB-14X180N	1/4"	180
MIB-14X200N	1/4"	200
MIB-14X250N	1/4"	250
MIB-14X300N	1/4"	300
MIB-38X30N	3/8"	30
MIB-38X40N	3/8"	40
MIB-38X60N	3/8"	60
MIB-38X80N	3/8"	80
MIB-38X100N	3/8"	100
MIB-38X120N	3/8"	120
MIB-38X150N	3/8"	150
MIB-38X180N	3/8"	180
MIB-38X200N	3/8"	200
MIB-38X250N	3/8"	250
MIB-38X300N	3/8"	300
MIB-12X30N	1/2"	30
MIB-12X40N	1/2"	40
MIB-12X60N	1/2"	60
MIB-12X80N	1/2"	80
MIB-12X100N	1/2"	100
MIB-12X120N	1/2"	120
MIB-12X150N	1/2"	150
MIB-12X180N	1/2"	180
MIB-12X200N	1/2"	200
MIB-12X250N	1/2"	250
MIB-12X300N	1/2"	300
MIB-34X40N	3/4"	40

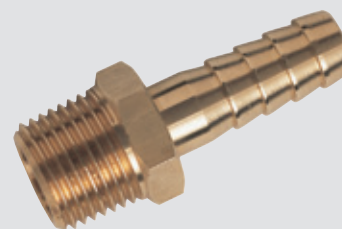
Q305	Thread	Length mm
MIB-34X60N	3/4"	60
MIB-34X80N	3/4"	80
MIB-34X100N	3/4"	100
MIB-34X120N	3/4"	120
MIB-34X150N	3/4"	150
MIB-34X180N	3/4"	180
MIB-34X200N	3/4"	200
MIB-34X250N	3/4"	250
MIB-34X300N	3/4"	300
MIB-1X40N	1"	40
MIB-1X60N	1"	60
MIB-1X80N	1"	80
MIB-1X100N	1"	100
MIB-1X120N	1"	120
MIB-1X150N	1"	150
MIB-1X180N	1"	180
MIB-1X200N	1"	200
MIB-1X250N	1"	250
MIB-1X300N	1"	300
MIB-114X60N	1.1/4"	60
MIB-114X80N	1.1/4"	80
MIB-114X100N	1.1/4"	100
MIB-114X120N	1.1/4"	120
MIB-114X150N	1.1/4"	150
MIB-114X180N	1.1/4"	180
MIB-114X200N	1.1/4"	200
MIB-114X250N	1.1/4"	250
MIB-114X300N	1.1/4"	300
MIB-112X60N	1.1/2"	60
MIB-112X80N	1.1/2"	80
MIB-112X100N	1.1/2"	100
MIB-112X120N	1.1/2"	120
MIB-112X150N	1.1/2"	150

Q305	Thread	Length mm
MIB-112X180N	1.1/2"	180
MIB-112X200N	1.1/2"	200
MIB-112X250N	1.1/2"	250
MIB-112X300N	1.1/2"	300
MIB-2X80N	2"	80
MIB-2X100N	2"	100
MIB-2X120N	2"	120
MIB-2X150N	2"	150
MIB-2X180N	2"	180
MIB-2X200N	2"	200
MIB-2X250N	2"	250
MIB-2X300N	2"	300
MIB-212X100N	2.1/2"	100
MIB-212X120N	2.1/2"	120
MIB-212X150N	2.1/2"	150
MIB-212X180N	2.1/2"	180
MIB-212X200N	2.1/2"	200
MIB-212X250N	2.1/2"	250
MIB-212X300N	2.1/2"	300
MIB-3X100N	3"	100
MIB-3X120N	3"	120
MIB-3X150N	3"	150
MIB-3X180N	3"	180
MIB-3X200N	3"	200
MIB-3X250N	3"	250
MIB-3X300N	3"	300
MIB-4X100N	4"	100
MIB-4X120N	4"	120
MIB-4X150N	4"	150
MIB-4X180N	4"	180
MIB-4X200N	4"	200
MIB-4X250N	4"	250
MIB-4X300N	4"	300

Customers who bought from this page also purchased...



Brass Hose Tails see page 1141



Heavy-duty Malleable Iron Nipples



Galvanised, BSPT

0305	Thread	Length mm
HBN18-40	1/8"	40
HBN18-60	1/8"	60
HBN18-80	1/8"	80
HBN18-100	1/8"	100
HBN14-40	1/4"	40
HBN14-60	1/4"	60
HBN14-80	1/4"	80
HBN14-100	1/4"	100
HBN14-120	1/4"	120
HBN14-150	1/4"	150
HBN14-180	1/4"	180
HBN14-200	1/4"	200
HBN14-250	1/4"	250
HBN14-300	1/4"	300
HBN38-40	3/8"	40
HBN38-50	3/8"	50
HBN38-60	3/8"	60
HBN38-70	3/8"	70
HBN38-80	3/8"	80
HBN38-100	3/8"	100
HBN38-120	3/8"	120
HBN38-150	3/8"	150
HBN38-180	3/8"	180
HBN38-200	3/8"	200
HBN12-30	1/2"	30
HBN12-40	1/2"	40
HBN12-50	1/2"	50
HBN12-60	1/2"	60
HBN12-80	1/2"	80
HBN12-100	1/2"	100
HBN12-120	1/2"	120
HBN12-150	1/2"	150
HBN12-180	1/2"	180
HBN12-200	1/2"	200
HBN12-250	1/2"	250
HBN12-300	1/2"	300
HBN34-40	3/4"	40
HBN34-60	3/4"	60
HBN34-70	3/4"	70
HBN34-80	3/4"	80
HBN34-100	3/4"	100
HBN34-120	3/4"	120
HBN34-150	3/4"	150

0305	Thread	Length mm
HBN34-180	3/4"	180
HBN34-200	3/4"	200
HBN34-250	3/4"	250
HBN34-300	3/4"	300
HBN1-50	1"	50
HBN1-60	1"	60
HBN1-70	1"	70
HBN1-80	1"	80
HBN1-100	1"	100
HBN1-120	1"	120
HBN1-150	1"	150
HBN1-180	1"	180
HBN1-200	1"	200
HBN1-300	1"	300
HBN114-80	1.1/4"	80
HBN114-100	1.1/4"	100
HBN114-120	1.1/4"	120
HBN114-150	1.1/4"	150
HBN114-200	1.1/4"	200
HBN114-250	1.1/4"	250
HBN114-300	1.1/4"	300
HBN112-80	1.1/2"	80
HBN112-100	1.1/2"	100
HBN112-120	1.1/2"	120
HBN112-150	1.1/2"	150
HBN112-180	1.1/2"	180
HBN112-200	1.1/2"	200
HBN112-300	1.1/2"	300
HBN2-80	2"	80
HBN2-120	2"	120
HBN2-150	2"	150
HBN2-180	2"	180
HBN2-250	2"	250
HBN2-300	2"	300
HBN212-100	2.1/2"	100
HBN212-200	2.1/2"	200
HBN212-300	2.1/2"	300
HBN3-100	3"	100
HBN3-200	3"	200
HBN3-300	3"	300
HBN4-100	4"	100
HBN4-200	4"	200
HBN4-300	4"	300



For Jointing Paste
see page 1391

MALLEABLE IRON FITTINGS



K-LINE CONNECT

Barrel Nipples to BS EN 10241

Material: BS EN 10241
Dimensions: BS EN 10241
Threads: ISO 7/1
Schedule: Medium/Heavy-duty



Galvanised, BSPT

0357	Thread	Length mm
ENBN-18X40	1/8"	40
ENBN-18X60	1/8"	60
ENBN-14X40	1/4"	40
ENBN-14X60	1/4"	60
ENBN-14X80	1/4"	80
ENBN-14X100	1/4"	100
ENBN-14X200	1/4"	200
ENBN-14X250	1/4"	250
ENBN-38X40	3/8"	40
ENBN-38X50	3/8"	50
ENBN-38X60	3/8"	60
ENBN-38X80	3/8"	80
ENBN-38X100	3/8"	100
ENBN-38X150	3/8"	150
ENBN-38X200	3/8"	200
ENBN-12X30	1/2"	30
ENBN-12X40	1/2"	40
ENBN-12X50	1/2"	50
ENBN-12X60	1/2"	60
ENBN-12X80	1/2"	80
ENBN-12X100	1/2"	100
ENBN-12X150	1/2"	150
ENBN-12X200	1/2"	200
ENBN-12X250	1/2"	250
ENBN-12X300	1/2"	300
ENBN-34X40	3/4"	40
ENBN-34X60	3/4"	60
ENBN-34X80	3/4"	80
ENBN-34X100	3/4"	100
ENBN-34X150	3/4"	150
ENBN-34X200	3/4"	200
ENBN-34X300	3/4"	300
ENBN-1X40	1"	40
ENBN-1X50	1"	50

0357	Thread	Length mm
ENBN-1X60	1"	60
ENBN-1X80	1"	80
ENBN-1X100	1"	100
ENBN-1X150	1"	150
ENBN-1X200	1"	200
ENBN-1X300	1"	300
ENBN-114X80	1.1/4"	80
ENBN-114X100	1.1/4"	100
ENBN-114X150	1.1/4"	150
ENBN-114X200	1.1/4"	200
ENBN-114X300	1.1/4"	300
ENBN-112X80	1.1/2"	80
ENBN-112X100	1.1/2"	100
ENBN-112X150	1.1/2"	150
ENBN-112X200	1.1/2"	200
ENBN-112X300	1.1/2"	300
ENBN-2X80	2"	80
ENBN-2X100	2"	100
ENBN-2X150	2"	150
ENBN-2X200	2"	200
ENBN-2X300	2"	300
ENBN-212X100	2.1/2"	100
ENBN-212X150	2.1/2"	150
ENBN-212X200	2.1/2"	200
ENBN-212X300	2.1/2"	300
ENBN-3X100	3"	100
ENBN-3X150	3"	150
ENBN-3X200	3"	200
ENBN-3X300	3"	300
ENBN-4X100	4"	100
ENBN-4X150	4"	150
ENBN-4X200	4"	200
ENBN-4X300	4"	300

Page Tech Sheet 20569

Carbon Steel Pipe Nipple Medium/Heavy, Welded/Seamless																		
Pipe Size mm	Pipe O.D. mm	Length Close mm	Pipe Nipple Lengths (mm)															
			30	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
6	10.3	19	30	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
8	13.7	27	30	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
10	17.1	28	30	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
15	21.3	37	X	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
20	26.7	39	X	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
25	33.4	46	X	X	50	60	80	100	150	180	200	250	300	350	400	450	500	
32	42.2	51	X	X	50	60	80	100	150	180	200	250	300	350	400	450	500	
40	48.3	51	X	X	50	60	80	100	150	180	200	250	300	350	400	450	500	
50	60.3	60	X	X	X	60	80	100	150	180	200	250	300	350	400	450	500	
65	76.1	69	X	X	X	X	80	100	150	180	200	250	300	350	400	450	500	
80	88.9	75	X	X	X	X	80	100	150	180	200	250	300	350	400	450	500	
100	114.3	87	X	X	X	X	X	100	150	180	200	250	300	350	400	450	500	
125	141.3	96	X	X	X	X	X	X	150	180	200	250	300	350	400	450	500	
150	168.3	96	X	X	X	X	X	X	150	180	200	250	300	350	400	450	500	

MALLEABLE IRON FITTINGS



Barrel Nipples to BS EN 10241

Material: BS EN 10241
Dimensions: BS EN 10241
Threads: ISO 7/1
Schedule: Medium/Heavy-duty



Black, BSPT

0357	Thread	Length mm
ENBN-18X40N	1/8"	40
ENBN-18X60N	1/8"	60
ENBN-14X40N	1/4"	40
ENBN-14X60N	1/4"	60
ENBN-14X80N	1/4"	80
ENBN-14X100N	1/4"	100
ENBN-14X200N	1/4"	200
ENBN-14X250N	1/4"	250
ENBN-38X40N	3/8"	40
ENBN-38X50N	3/8"	50
ENBN-38X60N	3/8"	60
ENBN-38X80N	3/8"	80
ENBN-38X100N	3/8"	100
ENBN-38X150N	3/8"	150
ENBN-38X200N	3/8"	200
ENBN-12X30N	1/2"	30
ENBN-12X40N	1/2"	40
ENBN-12X50N	1/2"	50
ENBN-12X60N	1/2"	60
ENBN-12X80N	1/2"	80
ENBN-12X100N	1/2"	100
ENBN-12X150N	1/2"	150
ENBN-12X200N	1/2"	200
ENBN-12X250N	1/2"	250
ENBN-12X300N	1/2"	300
ENBN-34X40N	3/4"	40
ENBN-34X60N	3/4"	60
ENBN-34X80N	3/4"	80
ENBN-34X100N	3/4"	100
ENBN-34X150N	3/4"	150
ENBN-34X200N	3/4"	200
ENBN-34X300N	3/4"	300
ENBN-1X40N	1"	40
ENBN-1X50N	1"	50

0357	Thread	Length mm
ENBN-1X60N	1"	60
ENBN-1X80N	1"	80
ENBN-1X100N	1"	100
ENBN-1X150N	1"	150
ENBN-1X200N	1"	200
ENBN-1X300N	1"	300
ENBN-114X80N	1.1/4"	80
ENBN-114X100N	1.1/4"	100
ENBN-114X150N	1.1/4"	150
ENBN-114X200N	1.1/4"	200
ENBN-114X300N	1.1/4"	300
ENBN-112X80N	1.1/2"	80
ENBN-112X100N	1.1/2"	100
ENBN-112X150N	1.1/2"	150
ENBN-112X200N	1.1/2"	200
ENBN-112X300N	1.1/2"	300
ENBN-2X80N	2"	80
ENBN-2X100N	2"	100
ENBN-2X150N	2"	150
ENBN-2X200N	2"	200
ENBN-2X300N	2"	300
ENBN-212X100N	2.1/2"	100
ENBN-212X150N	2.1/2"	150
ENBN-212X200N	2.1/2"	200
ENBN-212X300N	2.1/2"	300
ENBN-3X100N	3"	100
ENBN-3X150N	3"	150
ENBN-3X200N	3"	200
ENBN-3X300N	3"	300
ENBN-4X100N	4"	100
ENBN-4X150N	4"	150
ENBN-4X200N	4"	200
ENBN-4X300N	4"	300

Page Tech Sheet 20569

Carbon Steel Pipe Nipple Medium/Heavy, Welded/Seamless

Pipe Size mm	Pipe O.D. mm	Length Close mm	Pipe Nipple Lengths (mm)															
			30	40	50	60	80	100	150	180	200	250	300	350	400	450	500	
6	10.3	19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	13.7	27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10	17.1	28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15	21.3	37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20	26.7	39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
25	33.4	46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
32	42.2	51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40	48.3	51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
50	60.3	60	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
65	76.1	69	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
80	88.9	75	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
100	114.3	87	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
125	141.3	96	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
150	168.3	96	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Screwed & Socketed Steel Tubing



EN10255, EN10217-1 & BS1387 - Medium Grade, Red Oxide Primed, 3.2m Lengths,

0193	Thread
NC-TUBE12N	1/2" (15mm)
NC-TUBE34N	3/4" (20mm)
NC-TUBE1N	1" (25mm)
NC-TUBE114N	1.1/4" (32mm)
NC-TUBE112N	1.1/2" (40mm)
NC-TUBE2N	2" (50mm)
NC-TUBE212N	2.1/2" (65mm)
NC-TUBE3N	3" (80mm)
NC-TUBE4N	4" (100mm)

Tech Sheet 10639

6.4m Lengths, BSPP

0193	Thread
NC-TUBE12N-6.5	1/2" (15mm)
NC-TUBE34N-6.5	3/4" (20mm)
NC-TUBE1N-6.5	1" (25mm)
NC-TUBE114N-6.5	1.1/4" (32mm)
NC-TUBE112N-6.5	1.1/2" (40mm)
NC-TUBE2N-6.5	2" (50mm)
NC-TUBE212N-6.5	2.1/2" (65mm)
NC-TUBE3N-6.5	3" (80mm)
NC-TUBE4N-6.5	4" (100mm)

Tech Sheet 10639

EN10255, EN10217-1 & BS1387 - Heavy Grade, Red Oxide Primed, 3.2m Lengths, BSPP

0193	Thread
NC-HTUBE12N	1/2" (15mm)
NC-HTUBE34N	3/4" (20mm)
NC-HTUBE1N	1" (25mm)
NC-HTUBE114N	1.1/4" (32mm)
NC-HTUBE2N	2" (50mm)

Tech Sheet 10639

6.4m Lengths, BSPP

0193	Thread
NC-HTUBE12N-6.5	1/2" (15mm)
NC-HTUBE34N-6.5	3/4" (20mm)
NC-HTUBE1N-6.5	1" (25mm)
NC-HTUBE114N-6.5	1.1/4" (32mm)
NC-HTUBE112N-6.5	1.1/2" (40mm)
NC-HTUBE2N-6.5	2" (50mm)

Tech Sheet 10639



EN10255, EN10217-1 & BS1387 - Medium Grade, Galvanised, 3.2m Lengths, BSPP

0193	Thread
NC-TUBE12	1/2" (15mm)
NC-TUBE34	3/4" (20mm)
NC-TUBE1	1" (25mm)
NC-TUBE114	1.1/4" (32mm)
NC-TUBE112	1.1/2" (40mm)
NC-TUBE2	2" (50mm)
NC-TUBE212	2.1/2" (65mm)
NC-TUBE3	3" (80mm)
NC-TUBE4	4" (100mm)

Tech Sheet 10639

6.4m Lengths, BSPP

0193	Thread
NC-TUBE12-6.5	1/2" (15mm)
NC-TUBE34-6.5	3/4" (20mm)
NC-TUBE1-6.5	1" (25mm)
NC-TUBE114-6.5	1.1/4" (32mm)
NC-TUBE112-6.5	1.1/2" (40mm)
NC-TUBE2-6.5	2" (50mm)
NC-TUBE212-6.5	2.1/2" (65mm)
NC-TUBE3-6.5	3" (80mm)
NC-TUBE4-6.5	4" (100mm)

Tech Sheet 10639

EN10255, EN10217-1 & BS1387 - Heavy Grade, Galvanised, 3.2m Lengths, BSPP

0193	Thread
NC-HTUBE12	1/2" (15mm)
NC-HTUBE34	3/4" (20mm)
NC-HTUBE1	1" (25mm)
NC-HTUBE114	1.1/4" (32mm)
NC-HTUBE112	1.1/2" (40mm)
NC-HTUBE2	2" (50mm)

Tech Sheet 10639

6.4m Lengths, BSPP

0193	Thread
NC-HTUBE12-6.5	1/2" (15mm)
NC-HTUBE34-6.5	3/4" (20mm)
NC-HTUBE1-6.5	1" (25mm)
NC-HTUBE114-6.5	1.1/4" (32mm)
NC-HTUBE112-6.5	1.1/2" (40mm)
NC-HTUBE2-6.5	2" (50mm)

Tech Sheet 10639

Dual Certified Tubes EN10255 and 10217-1

Universal Steel Mill based in UAE is a major producer of steel tubes across the world. As a major supplier to the world market Universal strives to ensure the products it produces meet the stringent standards of today's markets. To that end they have produced a dual certified tube that can be supplied into the HVAC, Mechanical and Fire Protection industries within the UK.

Certification - all tubes can be supplied with MTC (mill test certificates), certifying that the tubes comply to the relevant standard.

Tubes are available from an extensive stock range:

Standard full lengths or half randoms
Threaded and plain ended
Medium or heavy weight
Red and galvanised finishes

Technical Specification

Leak Tightness Test

- Online NDT machines
- Hydro static pressure testing to 50 bar

Chemical Testing

- Complete chemical laboratory at the mill
- Elco meters
- Hydrometers

Galvanising

- Hot dipped galvanising/zinc coating to EN10240 quality A.1
- Quality checked hourly with Elco meters to ensure a 55-70 micron thickness across tube length

Material

- Fully killed steel
- Tensile tested
- Internal weld seam shall not have a height exceeding 60% of the wall thickness



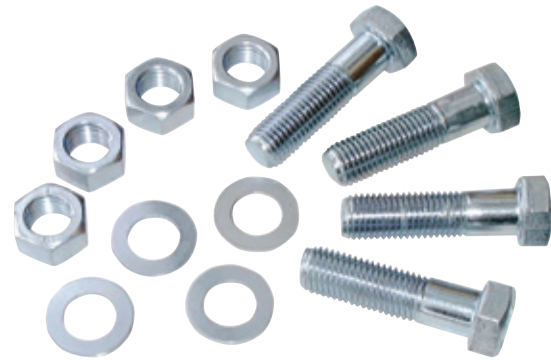
6.4 metre lengths are available on 2-5 working day delivery service. Specified delivery dates and times cannot be guaranteed. Additional carriage charges may apply, based on weight and location. Please speak to our Business Development Team for full details.

FLANGE BOLT KITS



Bright Zinc Plated Bolt Kits

4 x Bolts
4 x Nuts
4 x Washers
Steel Zinc Plated



M10 Thread

1096	Thread	Length mm
2034-8942	M10	40
2034-8959	M10	45

M12 Thread

1096	Thread	Length mm
2034-9007	M12	25
2034-9015	M12	30
2034-9098	M12	70
2034-9122	M12	90

M16 Thread

1096	Thread	Length mm
2034-9148	M16	50
2034-9155	M16	55
2034-9163	M16	60
2034-9171	M16	65
2034-9189	M16	70
2034-9197	M16	75
2034-9205	M16	80
2034-9221	M16	100
2034-9239	M16	110

M20 Thread

1096	Thread	Length mm
2034-9254	M20	55
2034-9262	M20	60
2034-9270	M20	65
2034-9288	M20	70
2034-9296	M20	75
2034-9312	M20	80
2034-9320	M20	90
2034-9361	M20	120

MALLEABLE IRON ACCESSORIES



School Board Pipe Brackets



Black

1092	Nominal Bore OD
MISB14N	1/4"
MISB38N	3/8"
MISB12N	1/2"
MISB34N	3/4"
MISB1N	1"
BSB20	1.1/4"
MISB112N	1.1/2"
MISB2N	2"
BSB48	3"
BSB64	4"



Galvanized

1092	Nominal Bore OD
MISB14	1/4"
MISB38	3/8"
MISB12	1/2"
MISB34	3/4"
MISB1	1"
MISB114	1.1/4"
MISB112	1.1/2"
MISB2	2"
MISB212	2.1/2"
MISB4	4"

Girder Clamp



Metric Thread

1092	Thread
MIGCM8	M8
MIGCM10	M10
MIGCM12	M12

Single M10 Tapping Pipe Ring



Black

1092	Nominal Bore OD
MISTP14N	1/4"
MISTP38N	3/8"
MISTP12N	1/2"
MISTP34N	3/4"
MISTP1N	1"
MISTP114N	1.1/4"
MISTP2N	2"

Tech Sheet 10641

Galvanised

1092	Nominal Bore OD
MISTP38	3/8"
MISTP12	1/2"
MISTP34	3/4"
MISTP1	1"
MISTP114	1.1/4"
MISTP112	1.1/2"
MISTP2	2"

Tech Sheet 10641

Double M10 Tapping Pipe Ring



Black

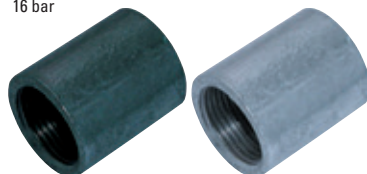
1092	Nominal Bore OD	Nominal Bore mm
MIDTP14N	1/4"	8
MIDTP38N	3/8"	18
MIDTP12N	1/2"	15
MIDTP1N	1"	25
MIDTP114N	1.1/4"	32

Galvanised

1092	Nominal Bore OD	Nominal Bore mm
MIDTP14	1/4"	8
MIDTP12	1/2"	15
MIDTP34	3/4"	20
MIDTP1	1"	25
MIDTP114	1.1/4"	32
MIDTP112	1.1/2"	51
MIDTP2	2"	50

Wrought Iron Sockets

Maximum Working Pressure: 16 bar



Black, BSPP

1099	Thread
MIWRSB-18N	1/8"
MIWRSB-14N	1/4"
MIWRSB-38N	3/8"
MIWRSB-12N	1/2"
MIWRSB-34N	3/4"
MIWRSB-1N	1"
MIWRSB-114N	1.1/4"
MIWRSB-112N	1.1/2"
MIWRSB-2N	2"
MIWRSB-212N	2.1/2"
MIWRSB-3N	3"
MIWRSB-4N	4"
MIWRSB-6N	6"

Galvanised, BSPP

1099	Thread
MIWRSG-18	1/8"
MIWRSG-14	1/4"
MIWRSG-38	3/8"
MIWRSG-12	1/2"
MIWRSG-34	3/4"
MIWRSG-1	1"
MIWRSG-114	1.1/4"
MIWRSG-112	1.1/2"
MIWRSG-2	2"
MIWRSG-212	2.1/2"
MIWRSG-3	3"
MIWRSG-4	4"

M10 Tapping Back Plate



Black

1092	Thread
MIBPM10N	M10
MIBPM12N	M12

Galvanised

1092	Thread
MIBPM10	M10
MIBPM12	M12

Studding



1092	Thread	Length Metres
MISDM8	M8 x 1.25	1
MISDM10	M10 x 1.5	1
MISDM10X1.0/3M	M10 x 1	3
MISDM12X1.0	M12 x 1	1

Repair Coupling

Working Temperature: -10°C to +60°C

Maximum Working Pressure: 10 bar



BSPP

1092	Thread	Length mm
MIRC-12	1/2"	76
MIRC-34	3/4"	76
MIRC-1	1"	88
MIRC-112	1.1/2"	102
MIRC-2	2"	102

Supports



Cantilever Arms

1092	Length mm
CA150HDG	150
CA300HDG	300
CA450HDG	450
CA600HDG	600
CA750HDG	750

FORGED STEEL FLANGES



Weld Neck



PN16/111, BS4504: 1989, Table 16

1098	ID
FSFWB-1	1"
FSFWB-114	1.1/4"
FSFWB-112	1.1/2"
FSFWB-2	2"
FSFWB-212	2.1/2"
FSFWB-3	3"
FSFWB-4	4"
Tech Sheet 1500	

PN40/111, BS4505: 1989, Table 40

1098	ID
FSFWB-1-300	1"
FSFWB-112-300	1.1/2"
FSFWB-2-300	2"
FSFWB-212-300	2.1/2"
FSFWB-4-300	4"
Tech Sheet 1500	

150lb, ANSI B16.5a/1992, ASA 150

1098	ID
FSFWA-1	1"
FSFWA-114	1.1/4"
FSFWA-112	1.1/2"
FSFWA-2	2"
FSFWA-212	2.1/2"
FSFWA-3	3"
FSFWA-4	4"
Tech Sheet 1500	

300lb, ANSI B16.5a/1992, ASA 300

1098	ID
FSFWA-212-300	2.1/2"
FSFWA-3-300	3"
FSFWA-4-300	4"
Tech Sheet 1500	

Slip-on



PN16/112, BS4504: 1989, Table 16

1098	ID
FSFSOB-12	1/2"
FSFSOB-34	3/4"
FSFSOB-1	1"
FSFSOB-114	1.1/4"
FSFSOB-112	1.1/2"
FSFSOB-2	2"
FSFSOB-212	2.1/2"
FSFSOB-3	3"
FSFSOB-4	4"
Tech Sheet 1500	

PN40/112, BS4504: 1989, Table 40

1098	ID
FSFSOB-12-300	1/2"
FSFSOB-112-300	1.1/2"
FSFSOB-2-300	2"
FSFSOB-212-300	2.1/2"
FSFSOB-3-300	3"
FSFSOB-4-300	4"
Tech Sheet 1500	

150lb, ANSI B16.5a/1992, ASA 150

1098	ID
FSFSOA-12	1/2"
FSFSOA-34	3/4"
FSFSOA-1	1"
FSFSOA-112	1.1/2"
FSFSOA-2	2"
FSFSOA-3	3"
FSFSOA-4	4"
Tech Sheet 1500	

300lb, ANSI B16.5a/1992, ASA 300

1098	ID
FSFSOA-34-300	3/4"
FSFSOA-114-300	1.1/4"
FSFSOA-2-300	2"
FSFSOA-4-300	4"
Tech Sheet 1500	

Screwed



PN16/113, BS4504: 1989, Table 16, BSPP

1098	Thread
FSFSB-12	1/2"
FSFSB-34	3/4"
FSFSB-1	1"
FSFSB-114	1.1/4"
FSFSB-112	1.1/2"
FSFSB-2	2"
FSFSB-212	2.1/2"
FSFSB-3	3"
FSFSB-4	4"
Tech Sheet 1500	

PN40/113, BS4504: 1989, Table 40, BSPP

1098	Thread
FSFSB-12-300	1/2"
FSFSB-34-300	3/4"
FSFSB-1-300	1"
FSFSB-114-300	1.1/4"
FSFSB-112-300	1.1/2"
FSFSB-2-300	2"
FSFSB-212-300	2.1/2"
FSFSB-3-300	3"
FSFSB-4-300	4"
Tech Sheet 1500	

150lb, ANSI B16.5a/1992, ASA 150, BSPP

1098	Thread
FSFSA-112	1.1/2"
FSFSA-2	2"
FSFSA-212	2.1/2"
FSFSA-3	3"
Tech Sheet 1500	

300lb, ANSI B16.5a/1992, ASA 300, BSPP

1098	Thread
FSFSA-12-300	1/2"
FSFSA-34-300	3/4"
FSFSA-1-300	1"
FSFSA-112-300	1.1/2"
FSFSA-2-300	2"
Tech Sheet 1500	

Carbon Steel Flanges



Slip-On Plate Flanges, Table D

0264	ID mm
FPSOTD-32	32
FPSOTD-50	50
FPSOTD-65	65
FPSOTD-80	80
FPSOTD-100	100
FPSOTD-125	125
FPSOTD-150	150
FPSOTD-200	200
FPSOTD-250	250
FPSOTD-300	300

Tech Sheet 1500

Note: I.D. = Nominal bore of tube



Blank Flanges, Table D

0264	To Suit mm
FPBLTD-15	15
FPBLTD-20	20
FPBLTD-25	25
FPBLTD-32	32
FPBLTD-50	50
FPBLTD-65	65
FPBLTD-80	80
FPBLTD-100	100
FPBLTD-150	150
FPBLTD-200	200
FPBLTD-250	250
FPBLTD-300	300

Tech Sheet 1500



Screwed Boss Flanges, Table D, BSPP

0264	Thread
FBSTD-12	1/2"
FBSTD-34	3/4"
FBSTD-1	1"
FBSTD-114	1.1/4"
FBSTD-2	2"
FBSTD-212	2.1/2"
FBSTD-3	3"
FBSTD-4	4"
FBSTD-6	6" (6.1/2")

Tech Sheet 1500



Slip-On Boss Flanges, Table D

0264	ID mm
FBSOTD-2	50
FBSOTD-3	80
FBSOTD-4	100
FBSOTD-612	150 (6.1/2")
FBSOTD-658	150 (6.5/8")
FBSOTD-8	200
FBSOTD-10	250
FBSOTD-300	300

Tech Sheet 1500



Slip-On Plate Flanges, Table E

0264	ID mm
FPSOTE-15	15
FPSOTE-20	20
FPSOTE-25	25
FPSOTE-32	32
FPSOTE-40	40
FPSOTE-50	50
FPSOTE-65	65
FPSOTE-80	80
FPSOTE-100	100
FPSOTE-125	125
FPSOTE-150	150
FPSOTE-200	200
FPSOTE-250	250
FPSOTE-300	300

Tech Sheet 1500



Blank Flanges, Table E

0264	To Suit mm
FPBLTE-15	15
FPBLTE-25	25
FPBLTE-32	32
FPBLTE-40	40
FPBLTE-50	50
FPBLTE-65	65
FPBLTE-80	80
FPBLTE-100	100
FPBLTE-125	125
FPBLTE-150	150
FPBLTE-200	200
FPBLTE-250	250
FPBLTE-300	300

Tech Sheet 1500



Screwed Boss Flanges, Table E, BSPP

0264	Thread
FBSTE-12	1/2"
FBSTE-34	3/4"
FBSTE-1	1"
FBSTE-114	1.1/4"
FBSTE-112	1.1/2"
FBSTE-2	2"
FBSTE-212	2.1/2"
FBSTE-3	3"
FBSTE-4	4"
FBSTE-5	5"
FBSTE-6	6" (6.1/2")

Tech Sheet 1500



Slip-On Boss Flanges, Table E

0264	ID mm
FBSOTE-12	15
FBSOTE-34	20
FBSOTE-1	25
FBSOTE-114	32
FBSOTE-112	40
FBSOTE-2	50
FBSOTE-212	65
FBSOTE-3	80
FBSOTE-4	100
FBSOTE-5	125
FBSOTE-612	150 (6.1/2")
FBSOTE-658	150 (6.5/8")
FBSOTE-8	200
FBSOTE-10	250

Tech Sheet 1500



For Stainless Steel Flanges
see page 1195

FLEXIBLE RUBBER BELLOWS



Moulded Rubber Bellows are designed to compensate for misalignment, neutralise movement and reduce noise through vibration in pipelines. They effectively dampen the transmission of sound and vibration and can be used in many applications with various medias including water, oils, chemicals and gases when the correct body material is specified.

Other body materials available on request:

- Butyl
- Nitrile
- Hypalon

Working Temperature:
-30°C to +110°C

Maximum Working Pressure: 16 bar

Other flange drillings are also available on request.

PN16 Flanged Connector, BS4504



Nitrile

0388	Flange Size	ID mm	Length mm
FRB-PN16-114NBR	1.1/4"	32	130
FRB-PN16-112NBR	1.1/2"	40	130
FRB-PN16-2NBR	2"	50	130
FRB-PN16-212NBR	2.1/2"	65	130
FRB-PN16-3NBR	3"	80	130
FRB-PN16-4NBR	4"	100	130
FRB-PN16-5NBR	5"	125	130
FRB-PN16-6NBR	6"	150	130
FRB-PN16-8NBR	8"	200	130
FRB-PN16-10NBR	10"	250	130
FRB-PN16-12NBR	12"	300	130

Tech Sheet 10305



EPDM

0388	Flange Size	ID mm	Length mm
FRB-PN16-114EPDM	1.1/4"	32	130
FRB-PN16-112EPDM	1.1/2"	40	130
FRB-PN16-2EPDM	2"	50	130
FRB-PN16-212EPDM	2.1/2"	65	130
FRB-PN16-3EPDM	3"	80	130
FRB-PN16-4EPDM	4"	100	130
FRB-PN16-5EPDM	5"	125	130
FRB-PN16-6EPDM	6"	150	130
FRB-PN16-8EPDM	8"	200	130
FRB-PN16-10EPDM	10"	250	130
FRB-PN16-12EPDM	12"	300	130

Tech Sheet 10305



Nitrile, Tied

0388	Flange Size	ID mm	Length mm
RBT-PN16-114NBR	1.1/4"	32	130
RBT-PN16-112NBR	1.1/2"	40	130
RBT-PN16-2NBR	2"	50	130
RBT-PN16-212NBR	2.1/2"	65	130
RBT-PN16-3NBR	3"	80	130
RBT-PN16-4NBR	4"	100	130
RBT-PN16-5NBR	5"	125	130
RBT-PN16-6NBR	6"	150	130
RBT-PN16-8NBR	8"	200	130
RBT-PN16-10NBR	10"	250	130
RBT-PN16-12NBR	12"	300	130

Tech Sheet 10305



EPDM, Tied

0388	Flange Size	ID mm	Length mm
RBT-PN16-114EPDM	1.1/4"	32	130
RBT-PN16-112EPDM	1.1/2"	40	130
RBT-PN16-2EPDM	2"	50	130
RBT-PN16-212EPDM	2.1/2"	65	130
RBT-PN16-3EPDM	3"	80	130
RBT-PN16-4EPDM	4"	100	130
RBT-PN16-5EPDM	5"	125	130
RBT-PN16-6EPDM	6"	150	130
RBT-PN16-8EPDM	8"	200	130
RBT-PN16-10EPDM	10"	250	130
RBT-PN16-12EPDM	12"	300	130

Tech Sheet 10305

BSPB Threaded Connector, Double Sphere



Nitrile

0388	Thread	ID mm	Length mm
FRB-BSP-1/2NBR	1/2"	15	203
FRB-BSP-3/4NBR	3/4"	20	203
FRB-BSP-1NBR	1"	25	203
FRB-BSP-11/4NBR	1.1/4"	32	203
FRB-BSP-11/2NBR	1.1/2"	40	203
FRB-BSP-2NBR	2"	50	203
FRB-BSP-21/2NBR	2.1/2"	65	240
FRB-BSP-3NBR	3"	80	240

Tech Sheet 10306



EPDM

0388	Thread	ID mm	Length mm
FRB-BSP-1/2EPDM	1/2"	15	203
FRB-BSP-3/4EPDM	3/4"	20	203
FRB-BSP-1EPDM	1"	25	203
FRB-BSP-11/4EPDM	1.1/4"	32	203
FRB-BSP-11/2EPDM	1.1/2"	40	203
FRB-BSP-2EPDM	2"	50	203
FRB-BSP-21/2EPDM	2.1/2"	65	240
FRB-BSP-3EPDM	3"	80	240

Tech Sheet 10306

Mild Steel Flanged Hose Tails

Table E, Mild Steel

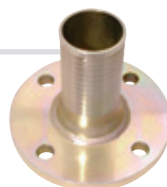
0297	To Suit Hose ID
FEHT2	2"
FEHT3	3"
FEHT4	4"

Tech Sheet 20469

NP16, Mild Steel

0297	To Suit Hose ID
FNP16HT112	1.1/2"
FNP16HT2	2"
FNP16HT212	2.1/2"
FNP16HT3	3"
FNP16HT4	4"
FNP16HT6	6"
FNP16HT8	8"

Tech Sheet 20469



Flanged Hose Tail Table D, Mild Steel

0297	To Suit Hose ID
FDHT2	2"
FDHT3	3"
FDHT4	4"
FDHT5	5"
FDHT6	6"

Tech Sheet 20469

ASA150, Mild Steel

0297	To Suit Hose ID
FASA150HT2	2"

Tech Sheet 20469

Stainless Steel Flanged Hose Tails

stainless steel

Table E, Stainless Steel

0297	To Suit Hose ID
FHSESS2	2"

Tech Sheet 20469

NP16, Stainless Steel

0297	To Suit Hose ID
FHSNP16SS2	2"
FHSNP16SS3	3"

Tech Sheet 20469

ASA 150, Stainless Steel

0297	To Suit Hose ID
FHSASASS2	2"

Tech Sheet 20469

Rubber Gaskets



Table D, Full Face

0296	ID
GRD2	2"
GRD3	3"
GRD4	4"
GRD6	6"
GRD8	8"



IBC PN16

0296	ID
GRIBCNP162	2"
GRIBCNP163	3"
GRIBCNP164	4"
GRIBCNP166	6"
GRIBCNP168	8"



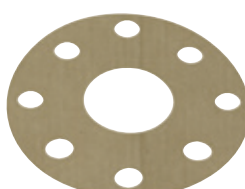
IBC PN16 & Table D

0296	ID
GKIBCNP162	2"
GKIBCNP163	3"
GKIBCNP164	4"
GKIBCNP166	6"



PN16, Full Face

0296	ID
GRNP162	2"
GRNP163	3"
GRNP164	4"
GRNP166	6"
GRNP168	8"



PN16, Full Face (Klinger)

0296	ID
GKNP163	3"
GKNP166	6"

Fibre Gaskets

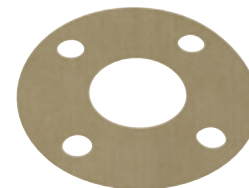


Table D, Full Face, (Top Graph Araflex)

0296	ID
GKD2	2"
GKD3	3"



For **Stainless Steel Flanges**
see page 1195



NONE ASBESTOS FLANGE GASKETS



IBC Gaskets

Maximum temperature/pressure can't be used simultaneously and are dependant on thickness.



N34 150lb, ASME B16.5/B16.21

0296	ID
GS12-150	1/2"
GS34-150	3/4"
GS1-150	1"
GS114-150	1.1/4"
GS112-150	1.1/2"
GS2-150	2"
GS212-150	2.1/2"
GS3-150	3"
GS4-150	4"

Tech Sheet 2023

N34 300lb, ASME B16.5/B16.21

0296	ID
GS12-300	1/2"
GS1-300	1"
GS112-300	1.1/2"
GS3-300	3"

Tech Sheet 2023

N34 PN16, DIN Standard DIN-DVGW 96.01 e-845

0296	ID
GSPN16-34	3/4"
GSPN16-1	1"
GSPN16-114	1.1/4"
GSPN16-112	1.1/2"
GSPN16-2	2"
GSPN16-212	2.1/2"
GSPN16-3	3"
GSPN16-4	4"

Tech Sheet 2023

N34 PN40, DIN Standard DIN-DVGW 96.01 e-845

0296	ID
GSPN40-2	2"
GSPN40-3	3"

Tech Sheet 2023

Full Face Gaskets

Maximum temperature/pressure can't be used simultaneously and are dependant on thickness.



N34 150lb, ASME B16.5/B16.21

0296	ID
GSFF12-150	1/2"
GSFF1-150	1"
GSFF114-150	1.1/4"
GSFF112-150	1.1/2"
GSFF2-150	2"
GSFF212-150	2.1/2"
GSFF3-150	3"

Tech Sheet 2023

N34 300lb, ASME B16.5/B16.21

0296	ID
GSFF1-300	1"
GSFF2-300	2"

Tech Sheet 2023

N34 PN16, DIN Standard DIN-DVGW 96.01 e-845

0296	ID
GSFF16-12	1/2"
GSFF16-1	1"
GSFF16-114	1.1/4"
GSFF16-112	1.1/2"
GSFF16-2	2"
GSFF16-212	2.1/2"
GSFF16-3	3"
GSFF16-4	4"

Tech Sheet 2023

N34 PN40, DIN Standard DIN-DVGW 96.01 e-845

0296	ID
GSFF40-1	1"
GSFF40-112	1.1/2"
GSFF40-2	2"
GSFF40-4	4"

Tech Sheet 2023

Customers who bought from this page also purchased...

TOTAL

Pipe Wrenches...see page 1734



JOINTING COMPOUNDS & SEALANTS

PTFE Thread Sealing Tape



To BS4375

1000	Size
PTFE	0.075mm x 1/2" x 10 Metres x 0.24g/cm
PTF-40	0.100mm x 1/2" x 10 Metres x 0.40g/cm
PTF-80	0.100mm x 19mm x 10 Metres x 0.80g/cm

Non flammable thread sealant. Resistant to all acids, alkalis and solvents. Suitable for use with oxygen and potable water.



WRAS, 0.075mm Gauge, 12 Metres, Pack of 10

0241	Colour	Width mm
M700WHI1212	White	12

For use with gas & potable water



Gas Approved, 5 Metres

0241	Colour	Width mm
PTFE-GAS	White	12

PTFE Thread Seal Tape



1000	Description	Width mm	Roll Length Metres
TAPE	Tape White	12	12
PTFE25MM	Tape White	25	12

Jointing Paste

Resistant to gas, steam, water, petrol, oil and mineral acids

- Easy break
- Lead free
- Complies to BS6956 Part 5 1992

Temperature Resistance:
A: -40°C to 400°C
B: -40°C to 650°C



Stag A

1092	Volume Grams
STAGA	400

Tech Sheet 10798



Stag B

1092	Volume Grams
STAGB	500

Tech Sheet 10798

Plate Tapes

Gas board approved to PRS10 high temperature gas flue closure plate sealing tape.



PRS10 Closure Plate Tape, 25 Metres

0241	Colour	Width mm
M293GAS5025	Grey	50

Boss White

BOSS White Pipe Jointing Compound: For steam, air, natural gas and non-potable water applications. Conforms to BS6956 Part 5: 1992.



White

1092	Volume Grams
MIBOSSW400	400

Cloth Tapes

High tack adhesive for polythene sheet joining, lagging, heating, ventilation and packaging.



Standard Duct Cloth Tape, 50 Metres

0241	Colour	Width mm
M24SSIL4850	Silver	48
M24SBLA4850	Black	48
M24SWHI4850	White	48
M24SSIL7250	Silver	72
M24SSIL9650	Silver	96

Hank Dressed Hemp



To be used with suitable Jointing Paste.

1092	Weight
2046-1687	1/2lb

55 Thread Sealing Cord

Particularly suitable for metal and plastic threaded fittings.

Potable water: WRC listed for use with potable water up to 85°C.

Meets BS 6920.KTW recommendation for hot and cold water.

Gas and water: Carries the German DVGW approval (No.DV-5142 AUO 166), together with DIN 30660.

- Tested in accordance with EN751-2 Class Arp.
- Replaces hemp/tapes and pastes
- Disassembly can be achieved easily with normal tools



0753	Length Metres
LOC-483283	50
LOC-270153	160

Tech Sheet 80

Thread Sealant



For B85-E85 & Diesel

1092	Volume Millilitres
GASOILA2	280

45° Long Radius Bend



1097	ID	OD mm	Wall Thickness mm
BWF1-34	3/4"	26.7	2.87
BWF1-1	1"	33.4	3.38
BWF1-114	1.1/4"	42.2	3.56
BWF1-112	1.1/2"	48.3	3.68
BWF1-2	2"	60.3	3.91
BWF1-212	2.1/2"	73	5.16
BWF1-3	3"	88.9	5.49
BWF1-4	4"	114.3	6.02

Tech Sheet 543

90° Long Radius Elbow



1097	ID	OD mm	Wall Thickness mm
BWF2-34	3/4"	26.7	2.87
BWF2-1	1"	33.4	3.38
BWF2-114	1.1/4"	42.2	3.56
BWF2-112	1.1/2"	48.3	3.68
BWF2-2	2"	60.3	3.91
BWF2-212	2.1/2"	73	5.16
BWF2-3	3"	88.9	5.49
BWF2-4	4"	114.3	6.02

Tech Sheet 543

180° Long Radius Return Bend



1097	ID	OD mm	Wall Thickness mm
BWF3-1	1"	33.4	3.38
BWF3-114	1.1/4"	42.2	3.56
BWF3-112	1.1/2"	48.3	3.68
BWF3-2	2"	60.3	3.91
BWF3-3	3"	88.9	5.49
BWF3-4	4"	114.3	6.02

Tech Sheet 543

Equal Tee



1097	ID	OD mm	Wall Thickness mm
BWF4-1	1"	33.4	3.38
BWF4-112	1.1/2"	48.3	3.68
BWF4-2	2"	60.3	3.91
BWF4-212	2.1/2"	73	5.16
BWF4-3	3"	88.9	5.49
BWF4-4	4"	114.3	6.02

Tech Sheet 543

Reducing Branch Tee



1097	ID A	ID B
BWF5-12-34	1/2"	3/4"
BWF5-112-114	1.1/2"	1.1/4"
BWF5-2-12	2"	1/2"
BWF5-2-114	2"	1.1/4"
BWF5-212-114	2.1/2"	1.1/4"
BWF5-212-112	2.1/2"	1.1/2"
BWF5-3-112	3"	1.1/2"
BWF5-3-2	3"	2"
BWF5-4-212	4"	2.1/2"

Tech Sheet 543

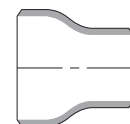
Caps



1097	ID
BWF8-12	1/2"
BWF8-1	1"
BWF8-114	1.1/4"
BWF8-112	1.1/2"
BWF8-4	4"

Tech Sheet 543

Concentric Reducers



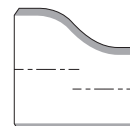
Concentric Reducer



1097	ID	ID
BWF6-34-12	3/4"	1/2"
BWF6-114-34	1.1/4"	3/4"
BWF6-112-12	1.1/2"	1/2"
BWF6-112-1	1.1/2"	1"
BWF6-112-114	1.1/2"	1.1/4"
BWF6-2-1	2"	1"
BWF6-2-114	2"	1.1/4"
BWF6-2-112	2"	1.1/2"
BWF6-212-114	2.1/2"	1.1/4"
BWF6-212-112	2.1/2"	1.1/2"
BWF6-212-2	2.1/2"	2"
BWF6-3-114	3"	1.1/4"
BWF6-3-112	3"	1.1/2"
BWF6-3-2	3"	2"
BWF6-3-212	3"	2.1/2"
BWF6-4-2	4"	2"
BWF6-4-212	4"	2.1/2"
BWF6-4-3	4"	3"

Tech Sheet 543

Eccentric Reducers



Eccentric Reducer



1097	ID	ID
BWF7-112-12	1.1/2"	1/2"
BWF7-112-34	1.1/2"	3/4"
BWF7-112-1	1.1/2"	1"
BWF7-112-114	1.1/2"	1.1/4"
BWF7-2-114	2"	1.1/4"
BWF7-212-112	2.1/2"	1.1/2"
BWF7-3-2	3"	2"
BWF7-3-212	3"	2.1/2"
BWF7-4-212	4"	2.1/2"
BWF7-4-3	4"	3"

Tech Sheet 543

Using standard tube and pipeclamp fittings, imagination is your only limitation to what can be built. From industry to retail from safety to play all can use the pipeclamp system.

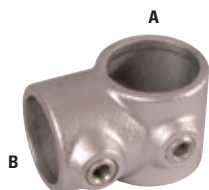
Manufactured to BS EN 1562 1997
Galvanised to BS EN 1461 1999

Applications:

- Safety railings
- Storage bays
- Handrails
- Support framework
- Racking
- Compounds
- Cycle racks
- Hanging rails
- Access and invalid ramps
- Door access and entry guarding

Pipeclamp Size	Tube OD mm	Tube OD inch	Nom Bore mm	Nom Bore inch
1	26.9	1.1/16	20	3/4"
2	33.7	1.11/32	25	1"
3	42.4	1.11/16	32	1.1/4"
4	48.3	1.29/32	40	1.1/2"
5	60.3	2.3/8	50	2"

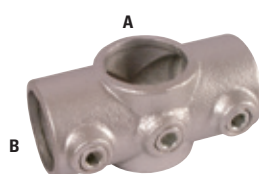
Short Tee (101)



1089	Pipeclamp Size A	Pipeclamp Size B
PCLAMPS-101-1	1	1
PCLAMPS-101-2	2	2
PCLAMPS-101-3	3	3
PCLAMPS-101-4	4	4
PCLAMPS-101-4/3	4	3
PCLAMPS-101-5	5	5
PCLAMPS-101-5/4	5	4

Tech Sheet 1

2 Socket Cross (119)



1089	Pipeclamp Size A	Pipeclamp Size B
PCLAMPS-119-1	1	1
PCLAMPS-119-2	2	2
PCLAMPS-119-3	3	3
PCLAMPS-119-4	4	4
PCLAMPS-119-5	5	5

Tech Sheet 1

90° 3 Way Elbow (128)



1089	Pipeclamp Size
PCLAMPS-128-1	1
PCLAMPS-128-2	2
PCLAMPS-128-3	3
PCLAMPS-128-4	4

Tech Sheet 1

Long Tee (104)



1089	Pipeclamp Size
PCLAMPS-104-1	1
PCLAMPS-104-2	2
PCLAMPS-104-3	3
PCLAMPS-104-4	4
PCLAMPS-104-5	5

Tech Sheet 1

90° 2 Way Elbow (125)



1089	Pipeclamp Size
PCLAMPS-125-1	1
PCLAMPS-125-2	2
PCLAMPS-125-3	3
PCLAMPS-125-4	4
PCLAMPS-125-5	5

Tech Sheet 1

Adjustable Tee (129)



1089	Pipeclamp Size
PCLAMPS-129-2	2
PCLAMPS-129-3	3
PCLAMPS-129-4	4

Tech Sheet 1

3 Way Through (116)



1089	Pipeclamp Size
PCLAMPS-116-1	1
PCLAMPS-116-2	2
PCLAMPS-116-3	3
PCLAMPS-116-4	4
PCLAMPS-116-5	5

Tech Sheet 1

90° 2 Way Swivel Elbow (125H)



1089	Pipeclamp Size
PCLAMPS-125H-3	3
PCLAMPS-125H-4	4

Adjustable Cross (130)



1089	Pipeclamp Size
PCLAMPS-130-2	2
PCLAMPS-130-3	3

Tech Sheet 1

PIPECLAMPS HANDRAIL SYSTEMS



Wall Plate (131)



1089	Pipeclamp Size
PCLAMPS-131-1	1
PCLAMPS-131-2	2
PCLAMPS-131-3	3
PCLAMPS-131-4	4
PCLAMPS-131-5	5

Tech Sheet 1

Base Plate (132)



1089	Pipeclamp Size
PCLAMPS-132-1	1
PCLAMPS-132-2	2
PCLAMPS-132-3	3
PCLAMPS-132-4	4
PCLAMPS-132-5	5

Tech Sheet 1

Plastic Plug (133)



1089	Pipeclamp Size
PCLAMPS-133-1	1
PCLAMPS-133-2	2
PCLAMPS-133-3	3
PCLAMPS-133-4	4
PCLAMPS-133-5	5

Tech Sheet 1

Ground Socket (134)



1089	Pipeclamp Size
PCLAMPS-134-2	2
PCLAMPS-134-3	3
PCLAMPS-134-4	4

Tech Sheet 1

Retro Fit Clamp (135)



1089	Pipeclamp Size
PCLAMPS-135-2	2
PCLAMPS-135-3	3
PCLAMPS-135-4	4

Tech Sheet 1

Gate Eye (138)



1089	Pipeclamp Size
PCLAMPS-138-1	1
PCLAMPS-138-2	2
PCLAMPS-138-3	3
PCLAMPS-138-4	4

Tech Sheet 1

Gate Hinge (140)



1089	Pipeclamp Size
PCLAMPS-140-1	1
PCLAMPS-140-2	2
PCLAMPS-140-3	3

Tech Sheet 1

Wall Mounted Handrail Bracket (143)



1089	Pipeclamp Size
PCLAMPS-143-1	1
PCLAMPS-143-2	2
PCLAMPS-143-3	3
PCLAMPS-143-4	4

Tech Sheet 1

Structural Offset Side Palm Fixing (144)



1089	Pipeclamp Size
PCLAMPS-144-2	2
PCLAMPS-144-3	3
PCLAMPS-144-4	4

Tech Sheet 1

Non Structural Offset Side Palm Fixing (145)



1089	Pipeclamp Size
PCLAMPS-145-2	2
PCLAMPS-145-3	3
PCLAMPS-145-4	4

Tech Sheet 1

Structural Flush Side Palm Fixing (146)



1089	Pipeclamp Size
PCLAMPS-146-2	2
PCLAMPS-146-3	3
PCLAMPS-146-4	4

Tech Sheet 1

Offset Swivel Tee (147)



1089	Pipeclamp Size
PCLAMPS-147-2	2
PCLAMPS-147-3	3
PCLAMPS-147-4	4

Tech Sheet 1

Short Swivel In-line Tee (148)



1089	Pipeclamp Size
PCLAMPS-148-1	1
PCLAMPS-148-2	2
PCLAMPS-148-3	3
PCLAMPS-148-4	4

Tech Sheet 1

In-line External Tube Connector (149)



1089	Pipeclamp Size
PCLAMPS-149-1	1
PCLAMPS-149-2	2
PCLAMPS-149-3	3
PCLAMPS-149-4	4
PCLAMPS-149-5	5

Tech Sheet 1

In-line Internal Tube Connector (150)



1089	Pipeclamp Size
PCLAMPS-150-2	2
PCLAMPS-150-3	3
PCLAMPS-150-4	4

Tech Sheet 1

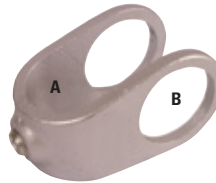
4 Way Cross (158)



1089	Pipeclamp Size
PCLAMPS-158-2	2
PCLAMPS-158-3	3
PCLAMPS-158-4	4

Tech Sheet 1

Retro Fit Clamp on Tee (160)



1089	Pipeclamp Size A	Pipeclamp Size B
PCLAMPS-160-2	2	2
PCLAMPS-160-3	3	3
PCLAMPS-160-4	4	4
PCLAMPS-160-5	5	5

Tech Sheet 1

Offset 90° Crossover (161)



1089	Pipeclamp Size A	Pipeclamp Size B
PCLAMPS-161-1	1	1
PCLAMPS-161-2	2	2
PCLAMPS-161-3	3	3
PCLAMPS-161-3/2	3	2
PCLAMPS-161-4	4	4
PCLAMPS-161-4/2	4	2

Tech Sheet 1

Combination Socket (165)



1089	Pipeclamp Size
PCLAMPS-165-1	1
PCLAMPS-165-3	3
PCLAMPS-165-5	5

Tech Sheet 1

Pipeclamp Rails

Galvanised rail, plain end



Pipeclamp Size	Tube OD mm	Tube OD inch	Nom Bore mm	Nom Bore inch
1	26.9	1.1/16	20	3/4"
2	33.7	1.11/32	25	1"
3	42.4	1.11/16	32	1.1/4"
4	48.3	1.29/32	40	1.1/2"
5	60.3	2.3/8	50	2"

6.4 Metre Lengths

1089	Pipeclamp Size
PCLAMP-TUBE1-6.5	1
PCLAMP-TUBE2-6.5	2
PCLAMP-TUBE3-6.5	3
PCLAMP-TUBE4-6.5	4
PCLAMP-TUBE5-6.5	5

Tech Sheet 1

3.2 Metre Lengths

1089	Pipeclamp Size
PCLAMP-TUBE1-3.25	1
PCLAMP-TUBE2-3.25	2
PCLAMP-TUBE3-3.25	3
PCLAMP-TUBE4-3.25	4
PCLAMP-TUBE5-3.25	5

Tech Sheet 1



6.4 metre lengths are available on 2-5 working day delivery service. Specified delivery dates and times cannot be guaranteed. Additional carriage charges may apply, based on weight and location. Please speak to our Business Development Team for full details.

THE SWIVEL RANGE

The swivel range is constructed using female and male parts. 173F is common to all combinations. Lugs on fittings sizes 1 to 5 have the same dimensions, and sizes can be mixed if required, ie: 173F-1 with 173M-4. In addition to being used with 173F to make the combination, all 'M' fittings can also be used to secure various types of infill in place.

WARNING: An entire structure should not be built just using swivel fittings.

Manufactured to BS EN 1562 1997
Galvanised to BS EN 1461 1999

Pipe-clamp Size	Tube OD mm	Tube OD inch	Nom Bore mm	Nom Bore inch
1	26.9	1.1/16	20	3/4"
2	33.7	1.11/32	25	1"
3	42.4	1.11/16	32	1.1/4"
4	48.3	1.29/32	40	1.1/2"
5	60.3	2.3/8	50	2"

Double In-line Swivel Combination (167)



1089	Pipeclamp Size
PCLAMPS-167-1	1
PCLAMPS-167-2	2
PCLAMPS-167-3	3
PCLAMPS-167-4	4
PCLAMPS-167-5	5

Tech Sheet 1

Double Male In-line Swivel (167M)



1089	Pipeclamp Size
PCLAMPS-167M-3	3
PCLAMPS-167M-4	4

90° Corner Swivel (168)



1089	Pipeclamp Size
PCLAMPS-168-2	2
PCLAMPS-168-3	3
PCLAMPS-168-4	4

Tech Sheet 1

90° Male Corner Swivel (168M)



1089	Pipeclamp Size
PCLAMPS-168M-4	2

Swivel Locating Flange (169)



1089	Pipeclamp Size
PCLAMPS-169-1	1
PCLAMPS-169-2	2
PCLAMPS-169-3	3
PCLAMPS-169-4	4

Tech Sheet 1

Male Swivel Locating Flange (169M)



1089	Pipeclamp Size
PCLAMPS-169M	

Tech Sheet 1

Single Sided Mesh Panel Clip (170)



1089	Pipeclamp Size
PCLAMPS-170-1	1
PCLAMPS-170-2	2
PCLAMPS-170-3	3
PCLAMPS-170-4	4
PCLAMPS-170-5	5

Tech Sheet 1

Double Sided Mesh Panel Clip (171)



1089	Pipeclamp Size
PCLAMPS-171-1	1
PCLAMPS-171-2	2
PCLAMPS-171-3	3
PCLAMPS-171-4	4
PCLAMPS-171-5	5

Tech Sheet 1

Single Swivel (173)



1089	Pipeclamp Size
PCLAMPS-173-2	2
PCLAMPS-173-3	3
PCLAMPS-173-4	4

Female Swivel (173F)



1089	Pipeclamp Size
PCLAMPS-173F-1	1
PCLAMPS-173F-2	2
PCLAMPS-173F-3	3
PCLAMPS-173F-5	5

Tech Sheet 1

Single Male Swivel (173M)



1089	Pipeclamp Size
PCLAMPS-173M-2	2
PCLAMPS-173M-3	3
PCLAMPS-173M-4	4
PCLAMPS-173M-5	5
Tech Sheet 1	

3 Way Outlet Tee (176)



1089	Pipeclamp Size
PCLAMPS-176-2	2
PCLAMPS-176-3	3
PCLAMPS-176-4	4
PCLAMPS-176-5	5
Tech Sheet 1	

Locking Collar (179)



1089	Pipeclamp Size
PCLAMPS-179-1	1
PCLAMPS-179-2	2
PCLAMPS-179-3	3
PCLAMPS-179-4	4
Tech Sheet 1	

Hook (182)



1089	Pipeclamp Size
PCLAMPS-182-2	2
PCLAMPS-182-3	3
PCLAMPS-182-4	4
Tech Sheet 1	

Cover (184)



1089	Pipeclamp Size
PCLAMPS-184-2	2
PCLAMPS-184-4	4

Saddle Clamp (198)



1089	Pipeclamp Size
PCLAMPS-198-2	2
PCLAMPS-198-3	3
PCLAMPS-198-4	4

Single Pipe Clamp (199)



1089	Pipeclamp Size
PCLAMPS-199-3	3
PCLAMPS-199-4	4

Slope Range Short Tee (201)



1089	Pipeclamp Size
PCLAMPS-201-2	2
PCLAMPS-201-4	4

Slope Range Long Tee (204)



1089	Pipeclamp Size
PCLAMPS-204-2	2
PCLAMPS-204-4	4

Slope Range Socket Cross (219)



1089	Pipeclamp Size
PCLAMPS-219-2	2
PCLAMPS-219-4	4

Variable Angle In-line Connector (224)



1089	Pipeclamp Size
PCLAMPS-224-2	2
PCLAMPS-224-3	3
PCLAMPS-224-4	4

Slope Range Elbow (225)



1089	Pipeclamp Size
PCLAMPS-225-2	2
PCLAMPS-225-4	4
Tech Sheet 1	

THE SWIVEL RANGE



Spare Grubscrews (GS)



1089	Pipeclamp Size
PCLAMPS-GS3-1-2	1-2
PCLAMPS-GS3-4-5	3-4-5
Tech Sheet 1	

Dual Ratchet (233)



1089	Pipeclamp Size
PCLAMPS-233	1-5
Tech Sheet 1	

Allen Keys (235)



1089	Pipeclamp Size	Hex Size
PCLAMPS-235-1-2	1-2	1/4"
PCLAMPS-2353-4-5	3-4-5	3/8"
Tech Sheet 1		

DISABILITY ACCESS



Elbow (DDA1)



1089	Pipeclamp Size
DDA1	3

Post Connector (DDA3)



1089	Pipeclamp Size
DDA3	3

Variable Elbow (DDA5)



1089	Pipeclamp Size
DDA5	3

End Plate (DDA2)



1089	Pipeclamp Size
DDA2	3

Post End Connector (DDA4)



1089	Pipeclamp Size
DDA4	3

Wall Plate (DDA6)



1089	Pipeclamp Size
DDA6	3