



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Malleable Iron

Malleable Iron Fittings



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	

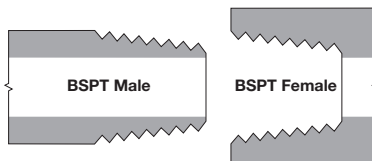
For full technical specification, please contact the manufacturer.

* 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

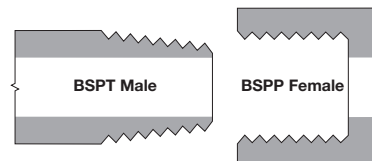
- 55° thread angle • Taper angle 1° 47'

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

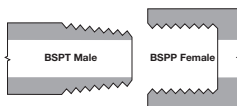
BS EN 10241 from K-Line Connect

- 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"

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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"

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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"

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Galvanised, BSPT

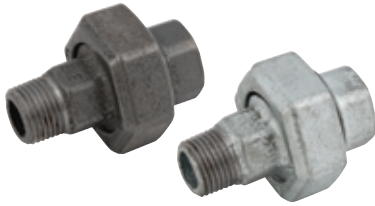
1095	Thread	Thread
EE-MI245-14-18	1/4"	1/8"
EE-MI245-38-14	3/8"	1/4"
EE-MI245-12-14	1/2"	1/4"
EE-MI245-12-38	1/2"	3/8"
EE-MI245-34-38	3/4"	3/8"
EE-MI245-34-12	3/4"	1/2"
EE-MI245-1-12	1"	1/2"
EE-MI245-1-34	1"	3/4"
EE-MI245-114-12	1.1/4"	1/2"
EE-MI245-114-34	1.1/4"	3/4"
EE-MI245-114-1	1.1/4"	1"
EE-MI245-112-34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

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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"

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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"

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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"

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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"

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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"

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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"

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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"

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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"

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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"

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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"

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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"

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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"

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Cap, Rounded (301)



Black, BSPP

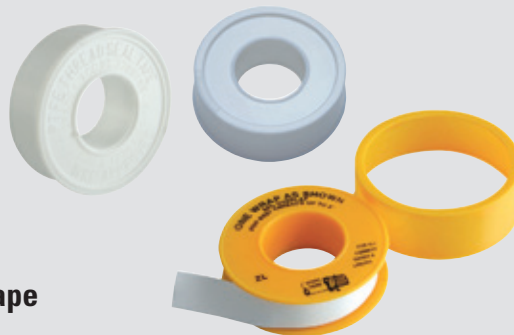
1095	Thread
EE-MI301-38N	3/8"
EE-MI301-12N	1/2"
EE-MI301-34N	3/4"
EE-MI301-1N	1"
EE-MI301-112N	1.1/2"
EE-MI301-2N	2"

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

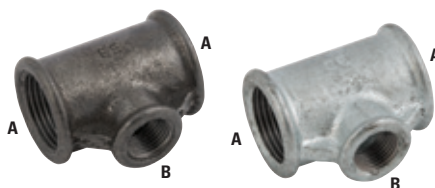
1095	Thread
EE-MI131-12	1/2"
EE-MI131-34	3/4"
EE-MI131-1	1"
EE-MI131-114	1.1/4"
EE-MI131-112	1.1/2"
EE-MI131-2	2"

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"

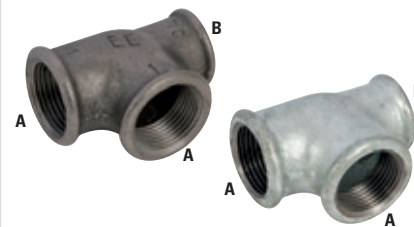
Tech Sheet 20530

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)



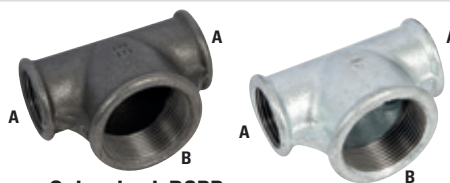
Black, BSPP

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

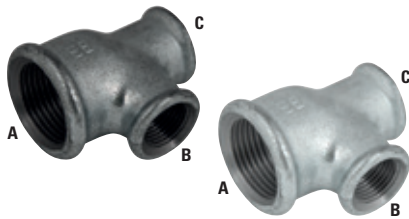
Galvanised, BSPP

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



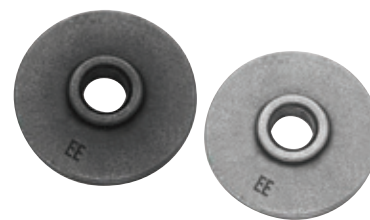
Black, BSPP

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

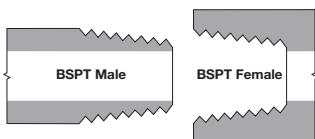
MALLEABLE IRON FITTINGS



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



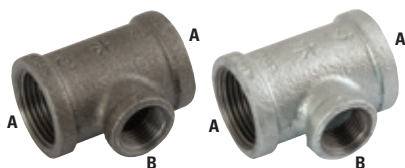
K-Line Connect kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

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"

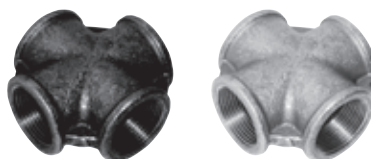
Tech Sheet 20446

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

Galvanized, 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

Galvanized, 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"

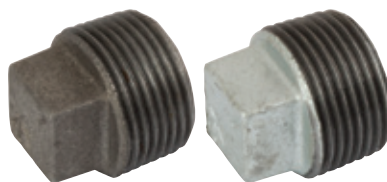
Tech Sheet 20450

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"

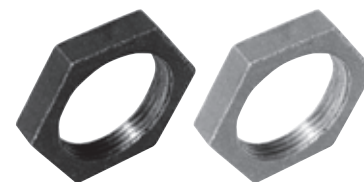
Tech Sheet 20450

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:

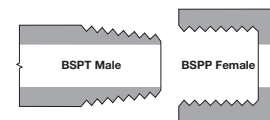
Hot-dip zinc coated to give additional resistance to corrosion



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

Galvanized, 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

Galvanized, 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

Galvanized, 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

Galvanized, 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

Galvanized, 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

Galvanized, 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

Galvanized, 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"

Galvanized, 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

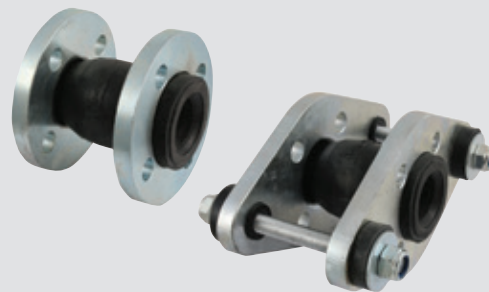
Galvanised, BSPP Female

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



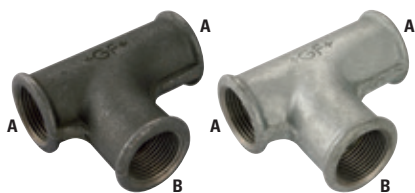
For **Flexible Rubber Bellows**
see page **1388**



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"

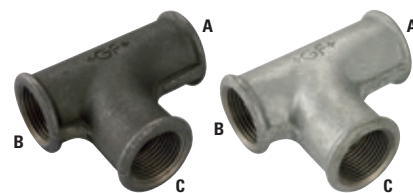
Tech Sheet 1777

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"
GF245-12-14N	1/2"	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"

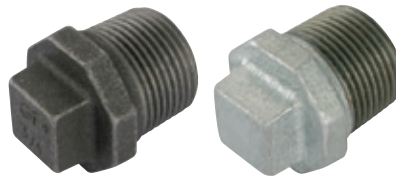
Tech Sheet 1786

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"

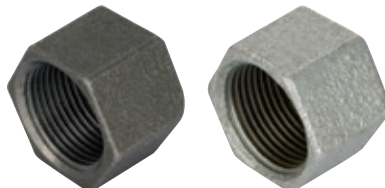
Tech Sheet 1788

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"

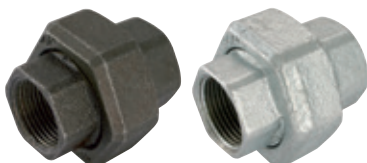
Tech Sheet 20758

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"

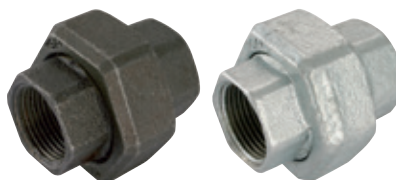
Tech Sheet 1791

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

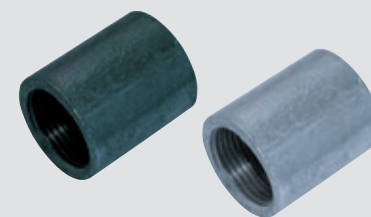
0217	Thread
GF341-14N	1/4"
GF341-38N	3/8"
GF341-12N	1/2"
GF341-34N	3/4"
GF341-1N	1"
GF341-114N	1.1/4"
GF341-112N	1.1/2"
GF341-2N	2"
GF341-3N	3"

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

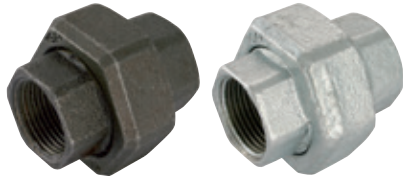


For Wrought Iron Sockets
see page 1385

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"

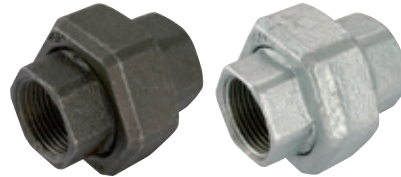
Tech Sheet 1793

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.

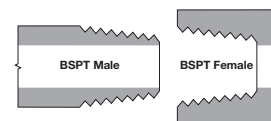
Thread:

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"

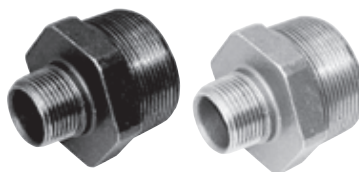
Tech Sheet 10655

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.

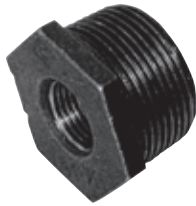


Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

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.

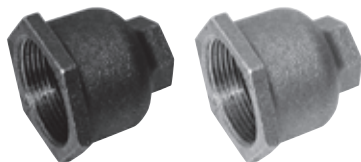


Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

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).

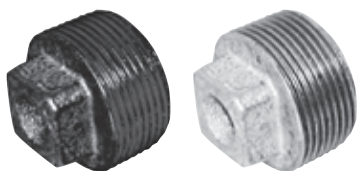
FT PRO

 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"

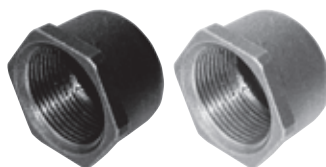
Tech Sheet 10672

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.

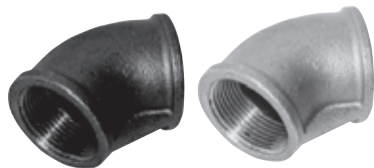


Crane kitemarked fittings are deemed to satisfy the requirements of the United Kingdom Water Regulations (Byelaws).

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"

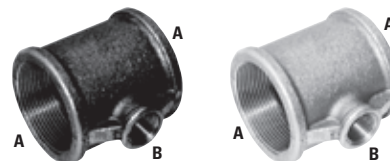
Tech Sheet 10650

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

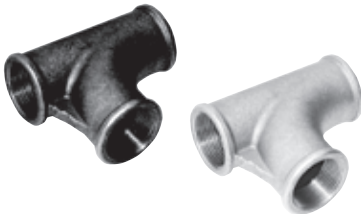
Twin Elbow (Fig 197)


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).