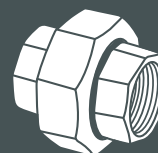


SECTION 4

Malleable Pipe & Fittings



- Malleable Iron Barrel Nipples
- E.E Malleable Iron Fittings
- Crane Malleable Iron Fittings
- GF Malleable Iron Fittings
- Malleable Steel Pipe
- 3000lb Forged Pipe Fittings
- Butt Weld Fittings
- Pipeclamps Handrail System
- Jointing Compounds & Sealants



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BARREL NIPPLE CONFIGURATOR



Tube Material	BSPT	Length	Material Plating
Medium-duty = MIB - Heavy-duty = HBN -	1/2" = 12 3/4" = 34 1" = 1 1.1/4" = 114 1.1/2" = 112 2" = 2 2.1/2" = 212 3" = 3 4" = 4	Any length in the range of 300mm to 6400mm calculated as a multiple of 100mm. For example, a nipple 1175mm long will be a multiple of 12. Lengths in-between 100mm multiples are always rounded up. Note: Unable to manufacture lengths shorter than 120mm.	Galvanised = No Letter Red Oxide = N Note: N (red) in medium-duty only



Part Number Example

Medium-duty

3" BSPT

x

1175mm Long

Red Oxide

MIB

-

3

X

1175

N

Part number will be: **MIB-3X1175N**

In Summary

Medium-duty Red 3" **BSPT x 1175mm**
Long Part Number: **MIB-3X1175N**





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
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

0305	Thread	Length mm
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
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...

TITAN
AUTOMATION



Air Preparation
see Industrial Section 9

MALLEABLE IRON FITTINGS



4



Medium-duty Malleable Iron Barrel Nipples



Black, BSPT

0305	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

0305	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

0305	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

Malleable Pipe & Fittings

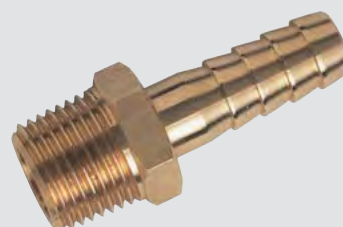


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Customers who bought from this page
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Brass Hose Tails
see **Industrial Section 2**





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

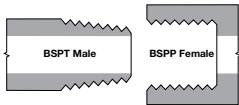
0305	Thread	Length mm
HBN34-180	3/4"	180
HBN34-200	3/4"	200
HBN34-250	3/4"	250
HBN34-300	3/4"	300
HBN1-50	1"	50
HBN1-60	1"	60
HBN1-70	1"	70
HBN1-80	1"	80
HBN1-100	1"	100
HBN1-120	1"	120
HBN1-150	1"	150
HBN1-180	1"	180
HBN1-200	1"	200
HBN1-300	1"	300
HBN114-80	1.1/4"	80
HBN114-100	1.1/4"	100
HBN114-120	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 Industrial Section 13

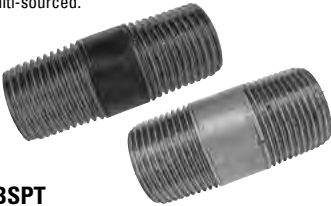
MALLEABLE IRON FITTINGS

Maximum Working Pressure:
25 bar @ -20°C to +120°C
20 bar @ +300°C



Barrel Nipple

All barrel nipples are not an EE branded product and are multi-sourced.



Black, BSPT

1095	Thread	Length mm
BBEC02	1/8"	32
BBEC04	1/4"	38
BBEC06	3/8"	38
BBEC08	1/2"	51
BBEC12	3/4"	54
BBEC16	1"	60
BBEC20	1.1/4"	70
BBEC24	1.1/2"	70
BBEC32	2"	79
BBEC40	2.1/2"	89
BBEC48	3"	104
BBEC64	4"	114

Galvanised, BSPT

1095	Thread	Length mm
GBEC02	1/8"	32
GBEC04	1/4"	38
GBEC06	3/8"	38
GBEC08	1/2"	51
GBEC12	3/4"	54
GBEC16	1"	60
GBEC20	1.1/4"	70
GBEC24	1.1/2"	70
GBEC32	2"	79
GBEC40	2.1/2"	89
GBEC48	3"	104
GBEC64	4"	114

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.

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

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 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



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 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

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 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-MI240-3-112	3"	1.1/2"
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

Female Weldable Socket

This is not an EE branded product and is multi-sourced.



Black, BSPP

1095	Thread
BWFFA02	1/8"
BWFFA04	1/4"
BWFFA06	3/8"
BWFFA08	1/2"
BWFFA12	3/4"
BWFFA16	1"
BWFFA20	1.1/4"
BWFFA24	1.1/2"
BWFFA32	2"
BWFFA40	2.1/2"
BWFFA48	3"
BWFFA64	4"

Galvanised, BSPP

1095	Thread
GWFFA04	1/4"
GWFFA06	3/8"
GWFFA08	1/2"
GWFFA12	3/4"
GWFFA16	1"
GWFFA20	1.1/4"
GWFFA24	1.1/2"
GWFFA32	2"
GWFFA40	2.1/2"
GWFFA48	3"
GWFFA64	4"





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

Countersunk Plugs



Black, BSPT

1095	Thread
EE-MI596-12N	1/2"
EE-MI596-34N	3/4"
EE-MI596-1N	1"
EE-MI596-114N	1.1/4"
EE-MI596-112N	1.1/2"
EE-MI596-2N	2"

Galvanised, BSPT

1095	Thread
EE-MI596-38	3/8"
EE-MI596-12	1/2"
EE-MI596-34	3/4"
EE-MI596-1	1"
EE-MI596-114	1.1/4"
EE-MI596-112	1.1/2"
EE-MI596-2	2"

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

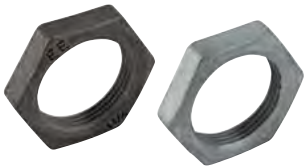
Galvanised, BSPP

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

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-MI92-3N	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 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

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



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"

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

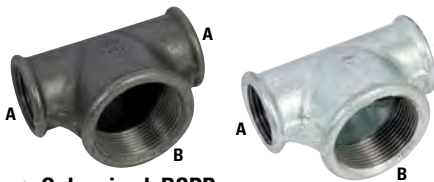
1095	Thread A	Thread B
EEMI30-12-38-12	1/2"	3/8"
EEMI30-34-12-34	3/4"	1/2"
EEMI30-1-12-1	1"	1/2"
EEMI30-1-34-1	1"	3/4"
EEMI3011434114	1.1/4"	3/4"
EEMI301141114	1.1/4"	1"
EEMI30112114112	1.1/2"	1.1/4"

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"

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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"

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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"
EEMI30C1121234	1.1/2"	1/2"	3/4"
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
EEMI135-1N	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"

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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"
EE-MI165-2	2"

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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-MI180-1N	1"
EE-MI180-114N	1.1/4"
EE-MI180-112N	1.1/2"
EE-MI180-2N	2"

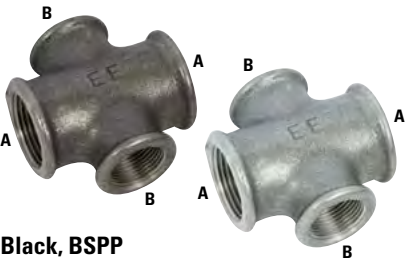
Tech Sheet 20531

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



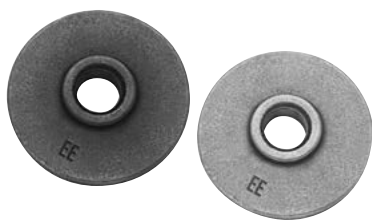
Black, BSPP

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"



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.

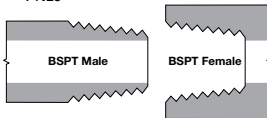
Thread:

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
C144-14N	1/4"
C144-38N	3/8"
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"

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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"

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Hexagon Reducing Nipple (Fig 145)



Black, BSPT

1091	Thread	Thread
C145-14-18N	1/4"	1/8"
C145-38-14N	3/8"	1/4"
C145-12-14N	1/2"	1/4"
C145-12-38N	1/2"	3/8"
C145-34-38N	3/4"	3/8"
C145-34-12N	3/4"	1/2"
C145-1-12N	1"	1/2"
C145-1-34N	1"	3/4"
C145-114-34N	1.1/4"	3/4"
C145-114-1N	1.1/4"	1"
C145-112-1N	1.1/2"	1"
C145-2-1N	2"	1"
C145-2-114N	2"	1.1/4"
C145-2-112N	2"	1.1/2"
C145-212-2N	2.1/2"	2"
C145-3-2N	3"	2"
C145-3-212N	3"	2.1/2"

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Galvanised, BSPT

1091	Thread	Thread
C145-14-18	1/4"	1/8"
C145-38-14	3/8"	1/4"
C145-12-14	1/2"	1/4"
C145-12-38	1/2"	3/8"
C145-34-38	3/4"	3/8"
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"
C145-112-1	1.1/2"	1"
C145-112-114	1.1/2"	1.1/4"
C145-2-1	2"	1"
C145-2-114	2"	1.1/4"
C145-2-112	2"	1.1/2"
C145-212-2	2.1/2"	2"
C145-3-2	3"	2"
C145-3-212	3"	2.1/2"

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"

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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"
C257-212	2.1/2"
C257-3	3"

Tech Sheet 20764

Male x Female Equal Union, Spherical Seat Bronze to Iron (Fig 272)



Black, BSPT

1091	Thread
C272-112N	1.1/2"

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Galvanised, BSPT

1091	Thread
C272-112	1.1/2"

Tech Sheet 20763



Hexagon Bush (Fig 140)



Black, BSPT

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

Tech Sheet 10671

Female Equal Socket (Fig 176)



Black, BSPP

1091	Thread
C176-18N	1/8"
C176-14N	1/4"
C176-38N	3/8"
C176-12N	1/2"
C176-34N	3/4"
C176-1N	1"
C176-114N	1.1/4"
C176-112N	1.1/2"
C176-2N	2"
C176-212N	2.1/2"
C176-3N	3"
C176-4N	4"

Tech Sheet 10670

Galvanised, BSPP

1091	Thread
C176-18	1/8"
C176-14	1/4"
C176-38	3/8"
C176-12	1/2"
C176-34	3/4"
C176-1	1"
C176-114	1.1/4"
C176-112	1.1/2"
C176-2	2"
C176-212	2.1/2"
C176-3	3"
C176-4	4"

Tech Sheet 10670

Malleable Iron Fittings Suitable
for Use with Drinking Water



WRAS
APPROVED
PRODUCT

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





MALLEABLE IRON FITTINGS

CRANE

Female Equal Socket (Fig 177)



Black, BSPT

1091	Thread
C177-14N	1/4"
C177-38N	3/8"
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"
C177-4N	4"

Tech Sheet 10670

Galvanised, BSPT

1091	Thread
C177-14	1/4"
C177-38	3/8"
C177-12	1/2"
C177-34	3/4"
C177-1	1"
C177-114	1.1/4"
C177-112	1.1/2"
C177-2	2"
C177-212	2.1/2"
C177-4	4"

Tech Sheet 10670

Reducing Socket (Fig 179)



Black, BSPT

1091	Thread	Thread
C179-38-14N	3/8"	1/4"
C179-12-14N	1/2"	1/4"
C179-12-38N	1/2"	3/8"
C179-34-14N	3/4"	1/4"
C179-34-38N	3/4"	3/8"
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"
C179-112-34N	1.1/2"	3/4"
C179-112-1N	1.1/2"	1"
C179-112-114N	1.1/2"	1.1/4"
C179-2-34N	2"	3/4"
C179-2-1N	2"	1"
C179-2-114N	2"	1.1/4"
C179-2-112N	2"	1.1/2"
C179-212-112N	2.1/2"	1.1/2"
C179-212-2N	2.1/2"	2"
C179-3-1N	3"	1"
C179-3-2N	3"	2"
C179-3-212N	3"	2.1/2"
C179-4-2N	4"	2"
C179-4-212N	4"	2.1/2"

Tech Sheet 20774

Galvanised, BSPT

1091	Thread	Thread
C179-38-14	3/8"	1/4"
C179-12-14	1/2"	1/4"
C179-12-38	1/2"	3/8"
C179-34-14	3/4"	1/4"
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"
C179-112-34	1.1/2"	3/4"
C179-112-1	1.1/2"	1"
C179-112-114	1.1/2"	1.1/4"
C179-2-12	2"	1/2"
C179-2-34	2"	3/4"
C179-2-1	2"	1"
C179-2-114	2"	1.1/4"
C179-2-112	2"	1.1/2"
C179-212-1	2.1/2"	1"
C179-212-112	2.1/2"	1.1/2"
C179-212-2	2.1/2"	2"
C179-3-2	3"	2"
C179-3-212	3"	2.1/2"
C179-4-2	4"	2"
C179-4-212	4"	2.1/2"
C179-4-3	4"	3"

Tech Sheet 20774

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



Black, BSPT

1091	Thread
C256-14N	1/4"
C256-38N	3/8"
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
C256-14	1/4"
C256-38	3/8"
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"
C256-4	4"

Tech Sheet 20765

CRANE

Malleable Iron Fittings Suitable
for Use with Drinking Water


WRAS
APPROVED
PRODUCT

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

For Ball Valves



see **Process Section 1**

MALLEABLE IRON FITTINGS

CRANE

4



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



Black, BSPT

1091	Thread
C289-14N	1/4"
C289-38N	3/8"
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"
C289-3	3"

Tech Sheet 20768

Female Equal Union, Spherical Seat Bronze to Iron (Fig 271)



Black, BSPT

1091	Thread
C271-18N	1/8"
C271-14N	1/4"
C271-38N	3/8"
C271-12N	1/2"
C271-34N	3/4"
C271-1N	1"
C271-112N	1.1/2"
C271-212N	2.1/2"
C271-3N	3"

Tech Sheet 20766

Galvanised, BSPT

1091	Thread
C271-18	1/8"
C271-14	1/4"
C271-38	3/8"
C271-12	1/2"
C271-34	3/4"
C271-1	1"
C271-114	1.1/4"
C271-112	1.1/2"
C271-2	2"
C271-3	3"
C271-4	4"

Tech Sheet 20766

Self Aligning Equal Union (Fig 290)



Black, BSPT

1091	Thread
C290-34N	3/4"
C290-1N	1"
C290-114N	1.1/4"

Tech Sheet 20767

Galvanised, BSPT

1091	Thread
C290-114	1.1/4"
C290-112	1.1/2"
C290-2	2"

Tech Sheet 20767

Beaded, Solid Plug (Fig 146)



Black, BSPT

1091	Thread
C146-12N	1/2"
C146-34N	3/4"
C146-1N	1"
C146-114N	1.1/4"
C146-112N	1.1/2"
C146-2N	2"

Tech Sheet 10672

Galvanised, BSPT

1091	Thread
C146-12	1/2"
C146-34	3/4"
C146-1	1"
C146-114	1.1/4"
C146-112	1.1/2"
C146-2	2"

Tech Sheet 10672



For Air Tools
see Industrial Section 11

Malleable Pipe & Fittings



INDUSTRIAL



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	

Plain Plug, Solid (Fig 148)



Black, BSPT

1091	Thread
C148-18N	1/8"
C148-14N	1/4"
C148-38N	3/8"
C148-12N	1/2"
C148-34N	3/4"
C148-1N	1"
C148-114N	1.1/4"
C148-112N	1.1/2"
C148-2N	2"
Tech Sheet 10672	

Galvanised, BSPT

1091	Thread
C148-18	1/8"
C148-14	1/4"
C148-38	3/8"
C148-12	1/2"
C148-34	3/4"
C148-1	1"
C148-114	1.1/4"
C148-112	1.1/2"
C148-2	2"
Tech Sheet 10672	

Countersunk Plug (Fig 149)



Black, BSPT

1091	Thread
C149-12N	1/2"
C149-34N	3/4"
C149-1N	1"
C149-114N	1.1/4"
C149-112N	1.1/2"
C149-2N	2"
Tech Sheet 10672	

Galvanised, BSPT

1091	Thread
C149-12	1/2"
C149-34	3/4"
C149-1	1"
C149-114	1.1/4"
C149-112	1.1/2"
Tech Sheet 10672	

Cap (Fig 185)



Black, BSPT

1091	Thread
C185-14N	1/4"
C185-38N	3/8"
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"
C185-3N	3"
C185-4N	4"
Tech Sheet 10646	

Galvanised, BSPT

1091	Thread
C185-14	1/4"
C185-38	3/8"
C185-12	1/2"
C185-34	3/4"
C185-1	1"
C185-112	1.1/2"
C185-2	2"
C185-212	2.1/2"
C185-3	3"
C185-4	4"
Tech Sheet 10646	

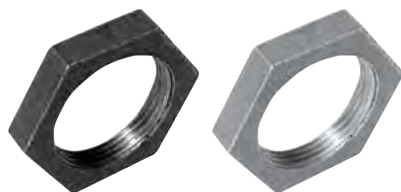
JAMEC PEM
COUPLE UP WITH THE RIGHT CONNECTION



You might also need
Jamec Hose Reels
on **Industrial Section 6**



Backnut BS2779 (Fig 150)



Black, BSPP

1091	Thread
C150-12N	1/2"
C150-1N	1"
C150-2N	2"
C150-3N	3"

Tech Sheet 10675

Galvanised, BSPP

1091	Thread
C150-38	3/8"
C150-34	3/4"
C150-1	1"
C150-114	1.1/4"
C150-112	1.1/2"
C150-2	2"
C150-212	2.1/2"
C150-3	3"

Tech Sheet 10675

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).

Male x Female Equal Elbow (Fig 152)



Black, BSPT

1091	Thread
C152-18N	1/8"
C152-14N	1/4"
C152-38N	3/8"
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
C152-18	1/8"
C152-14	1/4"
C152-38	3/8"
C152-12	1/2"
C152-34	3/4"
C152-1	1"
C152-114	1.1/4"
C152-112	1.1/2"
C152-2	2"
C152-212	2.1/2"
C152-3	3"

Tech Sheet 10673

Male x Female Reducing Elbow (Fig 152)



Black, BSPT

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

Tech Sheet 20759

Galvanised, BSPT

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

Tech Sheet 20759

Male x Female Elbow Union, Spherical Seat Iron to Iron (Fig 262)



Black, BSPT

1091	Thread
C262-12N	1/2"
C262-34N	3/4"
C262-1N	1"

Tech Sheet 20762

Galvanised, BSPT

1091	Thread
C262-12	1/2"
C262-34	3/4"
C262-1	1"

Tech Sheet 20762



Female Equal Elbow (Fig 151)



Black, BSPT

1091	Thread
C151-18N	1/8"
C151-14N	1/4"
C151-38N	3/8"
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
C151-18	1/8"
C151-14	1/4"
C151-38	3/8"
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"
C151-4	4"

Tech Sheet 10675

For...



**Safety Compressed
Air Hose**



see **Industrial Section 6**

Female Reducing Elbow (Fig 151)



Black, BSPT

1091	Thread	Thread
C151-38-14N	3/8"	1/4"
C151-12-14N	1/2"	1/4"
C151-1-12N	1"	1/2"
C151-112-1N	1.1/2"	1"
C151-2-1N	2"	1"
C151-2-112N	2"	1.1/2"

Tech Sheet 20760

Galvanised, BSPT

1091	Thread	Thread
C151-12-14	1/2"	1/4"
C151-34-12	3/4"	1/2"
C151-1-12	1"	1/2"
C151-1-34	1"	3/4"
C151-114-12	1.1/4"	1/2"
C151-114-34	1.1/4"	3/4"
C151-114-1	1.1/4"	1"
C151-112-1	1.1/2"	1"
C151-2-1	2"	1"

Tech Sheet 20760

Female Equal Union Elbow, Spherical Seat Iron to Iron (Fig 261)



Black, BSPT

1091	Thread
C261-12N	1/2"
C261-34N	3/4"
C261-1N	1"

Tech Sheet 20761

Galvanised, BSPT

1091	Thread
C261-12	1/2"
C261-34	3/4"
C261-1	1"

Tech Sheet 20761

Male Equal Bend (Fig 191)



Black, BSPT

1091	Thread
C191-12N	1/2"
C191-34N	3/4"
C191-1N	1"
C191-114N	1.1/4"
C191-2N	2"

Tech Sheet 10643

Galvanised, BSPT

1091	Thread
C191-34	3/4"
C191-1	1"
C191-112	1.1/2"

Tech Sheet 10643

Male x Female Equal Bend (Fig 192)



Black, BSPT

1091	Thread
C192-14N	1/4"
C192-12N	1/2"
C192-34N	3/4"
C192-1N	1"
C192-114N	1.1/4"
C192-112N	1.1/2"
C192-2N	2"
C192-212N	2.1/2"
C192-3N	3"
C192-4N	4"

Tech Sheet 10643

Galvanised, BSPT

1091	Thread
C192-14	1/4"
C192-38	3/8"
C192-12	1/2"
C192-34	3/4"
C192-1	1"
C192-114	1.1/4"
C192-112	1.1/2"
C192-2	2"
C192-212	2.1/2"
C192-3	3"
C192-4	4"

Tech Sheet 10643

MALLEABLE IRON FITTINGS

CRANE

4



Female Equal Bend (Fig 193)



Black, BSPT

1091	Thread
C193-14N	1/4"
C193-38N	3/8"
C193-12N	1/2"
C193-34N	3/4"
C193-1N	1"
C193-112N	1.1/2"
C193-2N	2"
C193-212N	2.1/2"
C193-3N	3"
C193-4N	4"

Tech Sheet 10643

Galvanised, BSPT

1091	Thread
C193-14	1/4"
C193-38	3/8"
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"
C193-4	4"

Tech Sheet 10643

Return Bend (Fig 213)



Black, BSPT

1091	Thread
C213-2N	2"

Tech Sheet 10645

Galvanised, BSPT

1091	Thread
C213-34	3/4"

Tech Sheet 10645

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"
C156-212N	2.1/2"
C156-4N	4"

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"
C156-3	3"
C156-4	4"

Tech Sheet 10644

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
C155-38	3/8"
C155-12	1/2"
C155-34	3/4"
C155-1	1"
C155-114	1.1/4"
C155-112	1.1/2"
C155-2	2"
C155-212	2.1/2"
C155-3	3"
C155-4	4"

Tech Sheet 10674



For Parker Rectus
see Pneumatics Section 11

Malleable Pipe & Fittings



INDUSTRIAL



Female Equal Tee (Fig 161)



Black, BSPT

1091	Thread
C161-18N	1/8"
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"

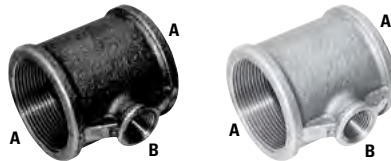
Tech Sheet 10650

Galvanised, BSPT

1091	Thread
C161-18	1/8"
C161-14	1/4"
C161-38	3/8"
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
C161-38-14N	3/8"	1/4"
C161-12-14N	1/2"	1/4"
C161-34-14N	3/4"	1/4"
C161-34-38N	3/4"	3/8"
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"
C161-212-12N	2.1/2"	1/2"
C161-3-34N	3"	3/4"
C161-3-212N	3"	2.1/2"
C161-4-2N	4"	2"

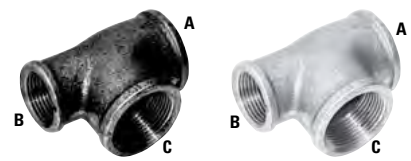
Tech Sheet 10650

Galvanised, BSPT

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

Tech Sheet 10650

Unequal Reducing Run Tee (Fig 161)



Black, BSPT

1091	Thread A	Thread B	Thread C
C161-1-12-1N	1"	1/2"	1"
C161-1-34-1N	1"	3/4"	1"
C161-114-12-114N	1.1/4"	1/2"	1.1/4"
C161-114-34-114N	1.1/4"	3/4"	1.1/4"
C161-114-1-114N	1.1/4"	1"	1.1/4"
C161-112-12-112N	1.1/2"	1/2"	1.1/2"
C161-112-34-112N	1.1/2"	3/4"	1.1/2"
C161-2-34-2N	2"	3/4"	2"
C161-2-1-2N	2"	1"	2"
C161-212-112212N	2.1/2"	1.1/2"	2.1/2"
C161-3-2-3N	3"	2"	3"

Tech Sheet 10650

Galvanised, BSPT

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

Tech Sheet 10650

For
Compressors



see Industrial Section 11

For other
Ring Main Solutions



see Industrial Section 5



MALLEABLE IRON FITTINGS

CRANE

4



Unequal Increasing Branch Tee (Fig 161)



Black, BSPT

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

Tech Sheet 20771

Galvanised, BSPT

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

Tech Sheet 20771

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

Galvanised, BSPT

1091	Thread
C197-12	1/2"
C197-34	3/4"
C197-1	1"
C197-114	1.1/4"
C197-112	1.1/2"
C197-2	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"
C199-212N	2.1/2"

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"
C199-212	2.1/2"
C199-3	3"
C199-4	4"

Tech Sheet 10649

Equal Cross (Fig 171)



Black, BSPT

1091	Thread
C171-38N	3/8"
C171-12N	1/2"
C171-34N	3/4"
C171-1N	1"
C171-114N	1.1/4"
C171-112N	1.1/2"
C171-2N	2"
C171-212N	2.1/2"
C171-3N	3"

Tech Sheet 20773

Galvanised, BSPT

1091	Thread
C171-14	1/4"
C171-38	3/8"
C171-12	1/2"
C171-34	3/4"
C171-1	1"
C171-112	1.1/2"
C171-2	2"
C171-212	2.1/2"

Tech Sheet 20773

For

KELMK
Enhanced Quality Performance

Air Preparation

see Industrial Section 9

Malleable Pipe & Fittings



INDUSTRIAL

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-34	3/4"	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
C150M-2N	2"	M10

Galvanised, BS3643

1091	Tube Nominal	Thread
C530M-1	1"	M10
C530M-114	1.1/4"	M10
C530M-112	1.1/2"	M10
C150M-2	2"	M10
C150M-2	2"	M10

Metric Tapping Back Plate (Fig 515M)



Black, BS3643

1091	Thread
C515-M10N	M10
C515-M12N	M12

Galvanised, BS3643

1091	Thread
C515-M10	M10
C515-M12	M12

BSPP Tapping Back Plate (Fig 515)



Black, BS2779

1091	Thread
C515-38N	3/8"
C515-12N	1/2"

Galvanised, BS2779

1091	Thread
C515-38	3/8"

For
PCL
Air Preparation



see Industrial Section 9

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

Threads: Threads are British Standard taper to ISO7 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:

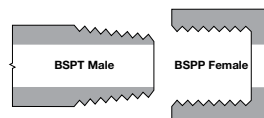
Hot-dip zinc coated to give additional resistance to corrosion



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	

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	

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	

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-212	2.1/2"
GF1A-3	3"
GF1A-4	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

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	

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"
GF60-114N	1.1/4"
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...

CONAH

Hose Reels
see Industrial Section 6





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"



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"
GF98-34	3/4"
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"
GF120-212	2.1/2"
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"
GF121-212N	2.1/2"
GF121-3N	3"
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 1167



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

Galvanised, BSPP Female

0217	Thread
GF130-18	1/8"
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



Galvanised, 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"
GF130-3-12	3"	1/2"
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"
GF130-4-212	4"	2.1/2"
GF130-4-3	4"	3"

Tech Sheet 1775





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 Female

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"
GF130-2-112-112	2"	1.1/2"	1.1/2"
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"
GF131-4	4"

Tech Sheet 1776



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"

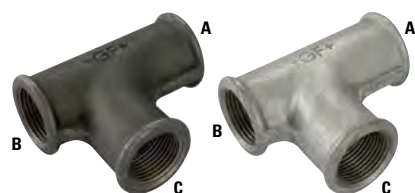
Tech Sheet 1777

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"
GF132-2	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



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"
GF240-12-38	1/2"	3/8"
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.





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"
GF241-6-4	6"	4"

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"
GF245-1-112N	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"
GF245-3-2	3"	2"

Tech Sheet 1782

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



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
GF246-34-12	3/4"	1/2"
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 **Malleable Iron Clamps**
see **Industrial Section 7**





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 **Industrial Section 7**





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"

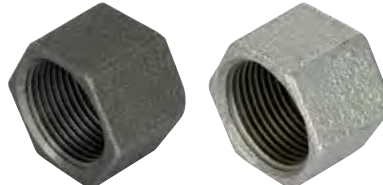
Tech Sheet 1788

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"
GF300-38	3/8"
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"
GF321-34N	3/4"
GF321-1N	1"
GF321-114N	1.1/4"
GF321-112N	1.1/2"
GF321-2N	2"

Tech Sheet 1790

Galvanised

0217	Thread
GF321-12	1/2"
GF321-34	3/4"
GF321-1	1"
GF321-114	1.1/4"
GF321-112	1.1/2"
GF321-2	2"

Tech Sheet 1790

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

For...

NiroSan® Stainless Steel Press Fit Piping System



...see Industrial Section 5



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"
GF596-2	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"

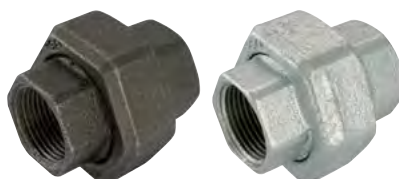
Tech Sheet 1791

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"
GF340-3N	3"
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

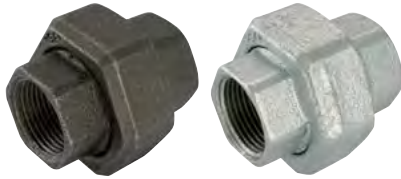
Galvanised, BSPT Male x BSPP Female

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



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



Black, BSPP Female

0217	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"

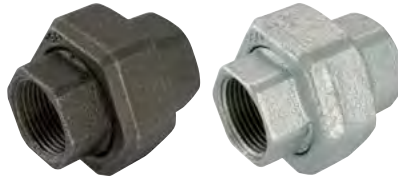
Tech Sheet 1793

Galvanised, BSPP Female

0217	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

0217	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"

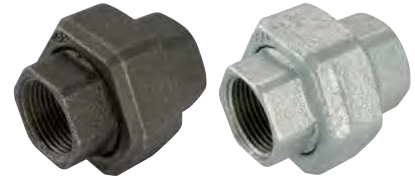
Tech Sheet 1794

Galvanised, BSPP Female

0217	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

0217	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

0217	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 Industrial Section 13

EN10255, EN10217-1 & BS1387 STEEL TUBE



4



Malleable Pipe & Fittings



INDUSTRIAL

1167

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.

Please note: The UK market has moved away from black tube and has been replaced by primed red oxide tube.



Bright Zinc Plated Bolt Kits

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



M10 Thread

1092	Thread	Length mm
2034-8942	M10	40
2034-8959	M10	45

M12 Thread

1092	Thread	Length mm
2034-9007	M12	25
2034-9015	M12	30
2034-9098	M12	70
2034-9122	M12	90

M16 Thread

1092	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

1092	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"



Galvanised

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



MALLEABLE IRON ACCESSORIES



4



Malleable Pipe & Fittings



INDUSTRIAL

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

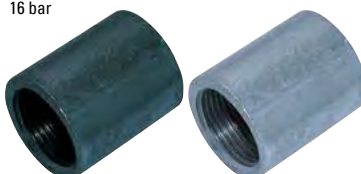
Galvanised

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

1092	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

1092	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



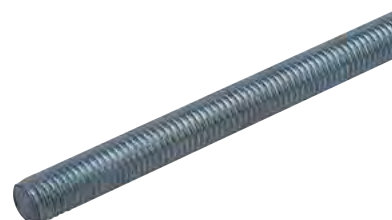
Black

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	M10 x 1	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

3000LB FORGED PIPE FITTINGS, ANSI B16.11



Working Temperature:
0°C to +180°C

Maximum Working Pressure:
206 bar

Pressure and temperature ratings
according to ASME B16.11

Available up to 4"



90° Equal Elbow



Female Thread, NPT

0506	Thread
1013-0001	1/4"
1013-0002	3/8"
1013-0003	1/2"
1013-0004	3/4"
1013-0005	1"
1013-0006	1.1/4"
1013-0007	1.1/2"
1013-0008	2"
Tech Sheet 68800	

Equal Hexagon Nipple



Male Thread, NPT

0506	Thread
1013-0025	1/4"
1013-0026	3/8"
1013-0027	1/2"
1013-0028	3/4"
1013-0029	1"
1013-0030	1.1/4"
1013-0031	1.1/2"
1013-0032	2"
Tech Sheet 68800	

Hexagon Plug



Male Thread, NPT

0506	Thread
1013-0041	1/4"
1013-0042	3/8"
1013-0043	1/2"
1013-0044	3/4"
1013-0045	1"
1013-0046	1.1/4"
1013-0047	1.1/2"
1013-0048	2"
Tech Sheet 68800	

Equal Tee



Female Thread, NPT

0506	Thread
1013-0009	1/4"
1013-0010	3/8"
1013-0011	1/2"
1013-0012	3/4"
1013-0013	1"
1013-0014	1.1/4"
1013-0015	1.1/2"
1013-0016	2"
Tech Sheet 68800	

Equal Union



Female Thread, NPT

0506	Thread
1013-0033	1/4"
1013-0034	3/8"
1013-0035	1/2"
1013-0036	3/4"
1013-0037	1"
1013-0038	1.1/4"
1013-0039	1.1/2"
1013-0040	2"
Tech Sheet 68800	

Equal Coupling



Female Thread, NPT

0506	Thread
1013-0049	1/4"
1013-0050	3/8"
1013-0051	1/2"
1013-0052	3/4"
1013-0053	1"
1013-0054	1.1/4"
1013-0055	1.1/2"
1013-0056	2"
Tech Sheet 68800	

Round Cap



Female Thread, NPT

0506	Thread
1013-0017	1/4"
1013-0018	3/8"
1013-0019	1/2"
1013-0020	3/4"
1013-0021	1"
1013-0022	1.1/4"
1013-0023	1.1/2"
1013-0024	2"
Tech Sheet 68800	

BUTT WELD FITTINGS BS1640/ASTM A234WPB



4



Malleable Pipe & Fittings



INDUSTRIAL

1171

45° Long Radius Bend



1092	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



1092	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



1092	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



1092	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



1092	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

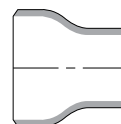
Caps



1092	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



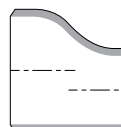
Concentric Reducer



1092	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"
BWF6-212-112	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



1092	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.

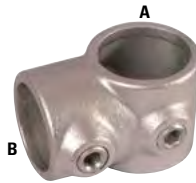
Manufactured to BS EN 1562 1997
Galvanised to BS EN 1461 1999

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	1.1/32	25	1"
3	42.4	1.1/16	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

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

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

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° 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

90° 2 Way Swivel Elbow (125H)



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

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

Adjustable Tee (129)



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

Tech Sheet 1

Adjustable Cross (130)



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

Tech Sheet 1



PIPECLAMPS HANDRAIL SYSTEMS



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Malleable Pipe & Fittings



INDUSTRIAL

1173

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-TUBE1-325	1
PCLAMP-TUBE2-325	2
PCLAMP-TUBE3-325	3
PCLAMP-TUBE4-325	4
PCLAMP-TUBE5-325	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 Inline 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



4



Spare Grubscrews (GS)



1089	Pipeclamp Size
PCLAMPS-GS3-1-2	1-2
PCLAMPS-GS3-3-4	3-4
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

Malleable Pipe & Fittings



INDUSTRIAL

JOINTING COMPOUNDS & SEALANTS



PTFE Thread Sealing Tape



To BS4375

1000	Size
PTFE	0.075mm x 1/2" x 10mtr x 0.24g/cm
PTF-40	0.100mm x 1/2" x 10mtr x 0.40g/cm
PTF-80	0.100mm x 19mm x 10mtr 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
M700WH1212	White	12

For use with gas & potable water



Gas Approved, 5 Metres

0241	Colour	Width mm
PTFE-GAS	White	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	

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
M24SWH14850	White	48
M24SSIL7250	Silver	72
M24SSIL9650	Silver	96

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
M293GAS025	Grey	50

Pipe Tapes

British standard pipe identification tapes as specified under all current building regulations.



Gas ID Tapes, 66 Metres

0241	Colour	Width mm
M600GAS3866	Yellow/Black	38

Boss White & Green

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

BOSS Green Potable Water Pipe Jointing Compound:

Suitable for hot and cold potable water services.

WRC Approved.

Conforms to BS6956 Part 5: 1992.



Green

1092	Volume Grams
MIBOSSG400	400

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 AU0 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	

For...

TOTAL

Hacksaws



...see Industrial
Section 12