



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Ring Main

Stainless Steel & Copper Systems



M-Press Fittings Ltd

Stainless Steel 316L & Copper Press Fit Piping System

M-Press provides solutions to meet the demands of various industry applications, with capabilities of up to 168mm

stainless
steel



**Choose M-Press for
industry-leading
Press Fit solutions**

Stainless Steel 316L Press Fit Piping System

M-Press's stainless steel ring main system is the perfect solution for all ring main installation requirements.

The M-Press Press Fit system is an all-inclusive and quality-assured system designed to streamline on-site compliances for installers. It removes the need for traditional site hot-work permits, making the installation process hassle-free and efficient. The M-Profile system is equipped with advanced pressing technology that ensures a confident installation process, saving installers considerable time and effort, which ultimately leads to increased productivity and cost savings.

M-Press's Stainless Steel system has been engineered for use in a diverse range of industry applications, providing installers with a versatile solution. This and all other system features ensure that the installation process is always of the highest quality, making the installer's work hassle-free and efficient.



Features:

- WRAS certified
- Gas EN331 certified
- High molybdenum content offering excellent corrosion resistance
- Universally compatible with all M-Profile systems
- Reliable and durable press system
- Leak-free performance
- Excellent hygienic characteristics

Advantages:

- Removes the need for traditional site hot-work permits
- Ease of installation
- Increased productivity
- Wide choice of products and seal types
- Clean and hassle-free handling
- Lightweight system

The M-Press system is manufactured to meet the highest standards and materials:

- ✓ **M-Press fittings material no:**
1.4404 according to EN 10088 /316L
- ✓ **Threaded fittings material no:**
1.4408 according to EN 10283 /316L
- ✓ **Pipes material no:**
1.4404 according to EN 10312 (ECO 316L).


**M-Press can offer solutions for all
industry application demands up to 168mm**

EPDM Seals



Material	Stainless Steel 316L
Formed Fittings:	1.4404 according to EN 10088 /316L
Threaded Fittings:	1.4408 according to EN 10283 /316L
Pipe:	1.4404 according to EN 10312 (ECO 316L)
Seal Type:	EPDM
Description:	Ethylene Propylene Diene Mnomer


Temperature:
-30°C to +120°C


Pressure:
PN16 16 bar

Applications

- Potable water services
- Hydronic heating
- Compressed air
- BCWS (Boosted cold water services)
- Chilled water applications
- Purified water
- Fire suppression systems
- Inert gases

Application Services


- Drinking water
- HWS and commercial/domestic heating
- Compressed air (<25mg/M³ compressor oil concentration)
- Risers and plant rooms
- Cooling water (chilled water) with glycol <50% concentration
- Grey water
- Low pressure steam condensate
- Kitchen fire sprinkler/suppression systems
- Helium, Neon, Argon

HNBR Gas Approved Seals



Material	Stainless Steel 316L
Formed Fittings:	1.4404 according to EN 10088 /316L
Threaded Fittings:	1.4408 according to EN 10283 /316L
Pipe:	1.4404 according to EN 10312 (ECO 316L)
Seal Type:	HNBR
Description:	Hydrogenated Nitrile Butadiene Rubber


Temperature:
-20°C to +70°C


Pressure:
PN5 5 bar

Applications

- Industrial offshore applications
- Low pressure hydraulic systems
- Hot water supply
- Flammable gases (DVGW G260, 262)
- Inert gases


Application Services

- Commercial / industrial methane gas
- Low pressure hydraulic oil
- Commercial / industrial LPG and natural gases
- Helium, Argon, Neon

FKM Seals



Material	Stainless Steel 316L
Formed Fittings:	1.4404 according to EN 10088 /316L
Threaded Fittings:	1.4408 according to EN 10283 /316L
Pipe:	1.4404 according to EN 10312 (ECO 316L)
Seal Type:	FKM
Description:	Viton Fluoroelastomer


Temperature:
-30°C to +180°C
(+230°C for short periods)

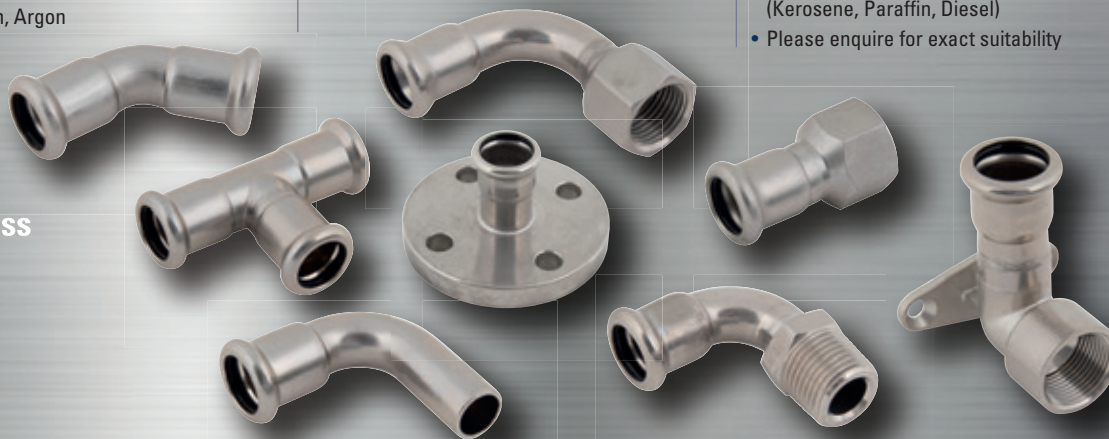

Pressure:
PN16 16 bar

Applications

- Domestic and commercial solar thermal heating
- Domestic and commercial heating
- Commercial steam condensate
- Industrial compressed air
- Acidic transportation
- Hydraulic applications
- Oil and fuels

Application Services

- High temperature heating and hot water systems
- Commercial warehouse/large area heating systems
- Low pressure steam condensate
- Industrial compressed air systems (>25mg/M³ compressor oil concentration)
- Some acid solutions
- Hydraulic oils
- Heavy oil and fuel transportation (Kerosene, Paraffin, Diesel)
- Please enquire for exact suitability

**stainless
steel**


Adaptors



Female x Female Threaded, BSPP, EPDM Seal

3102	Size mm	Thread
1202015012	15	3/8"
1202015012	15	1/2"
1202015034	15	3/4"
1202022012	22	1/2"
1202022034	22	3/4"
1202022100	22	1"
1202028034	28	3/4"
1202028100	28	1"
1202035100	35	1"
1202035114	35	1.1/4"
1202042112	42	1.1/2"
1202054200	54	2"



Female x Male Threaded, BSPP, EPDM Seal

3102	Size mm	Thread
1201015012	15	1/2"
1201015034	15	3/4"
1201015038	15	3/8"
1201022012	22	1/2"
1201022034	22	3/4"
1201022100	22	1"
1201028034	28	3/4"
1201028100	28	1"
1201035100	35	1"
1201035114	35	1.1/4"
1201042112	42	1.1/2"
1201054200	54	2"



Female x Male Threaded, BSPP, EPDM Seal

3102	Size mm	Thread
1208015012	15	1/2"
1208022034	22	3/4"
1208028100	28	1"
1208035114	35	1.1/4"
1208042112	42	1.1/2"
1208054200	54	2"



Female x Female Threaded, BSPP, HNBR Gas Approved Seal

3102	Size mm	Thread
1702015038	15	3/8"
1702015012	15	1/2"
1702015034	15	3/4"
1702022012	22	1/2"
1702022034	22	3/4"
1702022100	22	1"
1702028034	28	3/4"
1702028100	28	1"
1702035100	35	1"
1702035114	35	1.1/4"
1702042112	42	1.1/2"
1702054200	54	2"



Female x Male Threaded, BSPP, HNBR Gas Approved Seal

3102	Size mm	Thread
1701015012	15	1/2"
1701015034	15	3/4"
1701015038	15	3/8"
1701022012	22	1/2"
1701022034	22	3/4"
1701022100	22	1"
1701028034	28	3/4"
1701028100	28	1"
1701035100	35	1"
1701035114	35	1.1/4"
1701042112	42	1.1/2"
1701054200	54	2"



Female x Male Threaded, BSPP, HNBR Gas Approved Seal

3102	Size mm	Thread
1708015012	15	1/2"
1708022034	22	3/4"
1708028100	28	1"
1708035114	35	1.1/4"
1708042112	42	1.1/2"
1708054200	54	2"



Female x Female Threaded, BSPP, FKM Seal

3102	Size mm	Thread
1402015038	15	3/8"
1402015012	15	1/2"
1402015034	15	3/4"
1402022012	22	1/2"
1402022034	22	3/4"
1402022100	22	1"
1402028034	28	3/4"
1402028100	28	1"
1402035100	35	1"
1402035114	35	1.1/4"
1402042112	42	1.1/2"
1402054200	54	2"



Female x Male Threaded, BSPP, FKM Seal

3102	Size mm	Thread
1401015012	15	1/2"
1401015034	15	3/4"
1401015038	15	3/8"
1401022012	22	1/2"
1401022034	22	3/4"
1401022100	22	1"
1401028034	28	3/4"
1401028100	28	1"
1401035100	35	1"
1401035114	35	1.1/4"
1401042112	42	1.1/2"
1401054200	54	2"



Female x Male Threaded, BSPP, FKM Seal

3102	Size mm	Thread
1408015012	15	1/2"
1408022034	22	3/4"
1408028100	28	1"
1408035114	35	1.1/4"
1408042112	42	1.1/2"
1408054200	54	2"



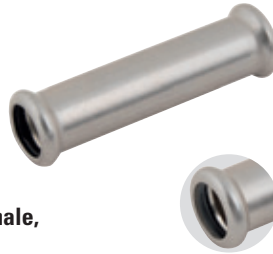
Straight Couplings



Female x Female, EPDM Seal

3102	Size mm
120001515	15
120002222	22
120002828	28
120003535	35
120004242	42
120005454	54

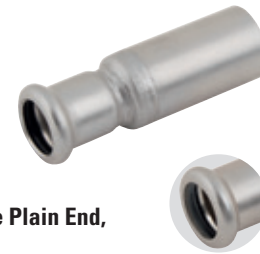
Slip Couplers



Female x Female, EPDM Seal

3102	Size mm
120401515	15
120402222	22
120402828	28
120403535	35
120404242	42
120405454	54

Socket Reducers



Female x Male Plain End, EPDM Seal

3102	Size mm	Size mm
124302215	22	15
124302815	28	15
124302822	28	22
124303522	35	22
124303528	35	28
124304222	42	22
124304228	42	28
124304235	42	35
124305422	54	22
124305428	54	28
124305435	54	35
124305442	54	42



Female x Female, HNBR Gas Approved Seal



3102	Size mm
170001515	15
170002222	22
170002828	28
170003535	35
170004242	42
170005454	54



Female x Female, HNBR Gas Approved Seal



3102	Size mm
170401515	15
170402222	22
170402828	28
170403535	35
170404242	42
170405454	54



Female x Male Plain End, HNBR Gas Approved Seal



3102	Size mm	Size mm
174302215	22	15
174302815	28	15
174302822	28	22
174303522	35	22
174303528	35	28
174304222	42	22
174304228	42	28
174304235	42	35
174305422	54	22
174305428	54	28
174305435	54	35
174305442	54	42

Female x Female, FKM Seal



3102	Size mm
140001515	15
140002222	22
140002828	28
140003535	35
140004242	42
140005454	54

Female x Female, FKM Seal



3102	Size mm
140401515	15
140402222	22
140402828	28
140403535	35
140404242	42
140405454	54

Female x Male Plain End, FKM Seal



3102	Size mm	Size mm
144302215	22	15
144302815	28	15
144302822	28	22
144303522	35	22
144303528	35	28
144304222	42	22
144304228	42	28
144304235	42	35
144305422	54	22
144305428	54	28
144305435	54	35
144305442	54	42

End Caps



**Female x End Cap,
EPDM Seal**

3102	Size mm
1241015	15
1241022	22
1241028	28
1241035	35
1241042	42
1241054	54



**Female x End Cap,
HNBR Gas Approved Seal**

3102	Size mm
1741015	15
1741022	22
1741028	28
1741035	35
1741042	42
1741054	54

**Female x End Cap,
FKM Seal**

3102	Size mm
1441015	15
1441022	22
1441028	28
1441035	35
1441042	42
1441054	54

45° Elbows



**Female x Female,
EPDM Seal**

3102	Size mm
122301515	15
122302222	22
122302828	28
122303535	35
122304242	42
122305454	54



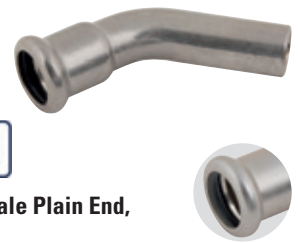
**Female x Female,
HNBR Gas Approved Seal**

3102	Size mm
172301515	15
172302222	22
172302828	28
172303535	35
172304242	42
172305454	54

**Female x Female,
FKM Seal**

3102	Size mm
142301515	15
142302222	22
142302828	28
142303535	35
142304242	42
142305454	54

45° Street Elbows



**Female x Male Plain End,
EPDM Seal**

3102	Size mm
122401515	15
122402222	22
122402828	28
122403535	35
122404242	42
122405454	54



**Female x Male Plain End,
HNBR Gas Approved Seal**

3102	Size mm
172401515	15
172402222	22
172402828	28
172403535	35
172404242	42
172405454	54

**Female x Male Plain End,
FKM Seal**

3102	Size mm
142401515	22
142402222	28
142402828	35
142403535	42
142404242	54
142405454	54

EPDM Seals

Temperature:
-30°C to +120°C

Pressure:
PN16 16 bar



Description: Ethylene Propylene Diene Mnomer

HNBR Gas Approved Seals

Temperature:
-20°C to +70°C

Pressure:
PN5 5 bar



Description: Hydrogenated Nitrile Butadiene Rubber

FKM Seals

Temperature:
-30°C to +180°C
(+230°C for short periods)

Pressure:
PN16 16 bar



Description: Viton Fluoroelastomer

Equal Tees



Female x Female x Female, EPDM Seal

3102	Size mm
12100151515	15
12100222222	22
12100282828	28
12100353535	35
12100424242	42
12100545454	54



Female x Female x Female, HNBR Gas Approved Seal

3102	Size mm
17100151515	15
17100222222	22
17100282828	28
17100353535	35
17100424242	42
17100545454	54

Female x Female x Female, FKM Seal

3102	Size mm
14100151515	15
14100222222	22
14100282828	28
14100353535	35
14100424242	42
14100545454	54

Reducing Tees



Female x Female x Female, EPDM Seal

3102	Size mm	Size mm	Size mm
12110221522	22	15	22
12110281528	28	25	28
12110282228	28	22	28
12110352235	35	22	35
12110352835	35	28	35
12110422242	42	22	42
12110422842	42	28	42
12110423542	42	35	42
12110542254	54	22	54
12110542854	54	28	54
12110543554	54	35	54
12110544254	54	42	54



Female x Female x Female, HNBR Gas Approved Seal

3102	Size mm	Size mm	Size mm
17110221522	22	15	22
17110281528	28	25	28
17110282228	28	22	28
17110352235	35	22	35
17110352835	35	28	35
17110422242	42	22	42
17110422842	42	28	42
17110423542	42	35	42
17110542254	54	22	54
17110542854	54	28	54
17110543554	54	35	54
17110544254	54	42	54

Female x Female x Female, FKM Seal

3102	Size mm	Size mm	Size mm
14110221522	22	15	22
14110281528	28	25	28
14110282228	28	22	28
14110352235	35	22	35
14110352835	35	28	35
14110422242	42	22	42
14110422842	42	28	42
14110423542	42	35	42
14110542254	54	22	54
14110542854	54	28	54
14110543554	54	35	54
14110544254	54	42	54



Female x Female Threaded, BSPP x Female, EPDM Seal

3102	Size mm	Thread	Size mm
12120151215	15	1/2"	15
12120153815	15	3/8"	15
12120221222	22	1/2"	22
12120223422	22	3/4"	22
12120281228	28	1/2"	28
12120283428	28	3/4"	28
12120351235	35	1/2"	35
12120353435	35	3/4"	35
12120421242	42	1/2"	42
12120423442	42	3/4"	42
12120543454	54	1/2"	54
12120541254	54	3/4"	54



Female x Female Threaded, BSPP x Female, HNBR Gas Approved Seal

3102	Size mm	Thread	Size mm
17120151215	15	1/2"	15
17120153815	15	3/8"	15
17120221222	22	1/2"	22
17120223422	22	3/4"	22
17120281228	28	1/2"	28
17120283428	28	3/4"	28
17120351235	35	1/2"	35
17120353435	35	3/4"	35
17120421242	42	1/2"	42
17120423442	42	3/4"	42
17120541254	54	1/2"	54
17120543454	54	3/4"	54

Female x Female Threaded, BSPP x Female, FKM Seal

3102	Size mm	Thread	Size mm
14120151215	15	1/2"	15
14120153815	15	3/8"	15
14120221222	22	1/2"	22
14120223422	22	3/4"	22
14120281218	28	1/2"	28
14120283428	28	3/4"	28
14120351235	35	1/2"	35
14120353435	35	3/4"	35
14120421242	42	1/2"	42
14120423442	42	3/4"	42
14120541254	54	1/2"	54
14120543454	54	3/4"	54

RIDGID

You might also need...
RIDGID RP 351 Press Tool
...see page 1744

90° Elbows



**Female x Female,
EPDM Seal**

3102	Size mm
122001515	15
122002222	22
122002828	28
122003535	35
122004242	42
122005454	54

90° Bends



**Female x Female Threaded,
BSPP, EPDM Seal**

3102	Size mm	Thread
1232015012	15	1/2"
1232012038	15	3/8"
1232022034	22	3/4"
1232022012	22	1/2"
1232028012	28	1/2"
1232028100	28	1"
1232035012	35	1/2"
1232035114	34	1.1/4"



**Female x Male Threaded,
BSPP, EPDM Seal**

3102	Size mm	Thread
1231015012	15	1/2"
1231015038	15	3/8"
1231022034	22	3/4"
1231028100	28	1"
1231035114	35	1.1/4"
1231042112	42	1.1/2"
1231054200	54	2"

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**Female x Female,
HNBR Gas Approved Seal**



3102	Size mm
172001515	15
172002222	22
172002828	28
172003535	35
172004242	42
172005454	54



**Female x Female Threaded,
BSPP, HNBR Gas Approved Seal**



3102	Size mm	Thread
1732015012	15	1/2"
1732015038	15	3/8"
1732015034	22	3/4"
1732015012	22	1/2"
1732028012	28	1/2"
1732028100	28	1"
1732035012	35	1/2"
1732035114	34	1.1/4"



**Female x Male Threaded,
BSPP, HNBR Gas Approved Seal**



3102	Size mm	Thread
1731015012	15	1/2"
1731015038	15	3/8"
1731022034	22	3/4"
1731028100	28	1"
1731035114	35	1.1/4"
1731042112	42	1.1/2"
1731054200	54	2"

**Female x Female,
FKM Seal**



3102	Size mm
142001515	15
142002222	22
142002828	28
142003535	35
142004242	42
142005454	54

**Female x Female Threaded,
BSPP, FKM Seal**



3102	Size mm	Thread
1432015012	15	1/2"
1432015038	15	3/8"
1432022034	22	3/4"
1432022012	22	1/2"
1432028012	28	1/2"
1432028100	28	1"
1432035012	35	1/2"
1432035114	34	1.1/4"

**Female x Male Threaded,
BSPP, FKM Seal**



3102	Size mm	Thread
1431015012	15	1/2"
1431015038	15	3/8"
1431022034	22	3/4"
1431028100	28	1"
1431035114	35	1.1/4"
1431042112	42	1.1/2"
1431054200	54	2"

EPDM Seals

Temperature:
-30°C to +120°C

Pressure:
PN16 16 bar



Description: Ethylene Propylene Diene Mnomer

HNBR Gas Approved Seals

Temperature:
-20°C to +70°C

Pressure:
PN5 5 bar



Description: Hydrogenated Nitrile Butadiene Rubber

FKM Seals

Temperature:
-30°C to +180°C
(+230°C for short periods)

Pressure:
PN16 16 bar



Description: Viton Fluoroelastomer

90° Street Elbows



Female x Male Plain End,
EPDM Seal

3102	Size mm
122101515	15
122102222	22
122102828	28
122103535	35
122104242	42
122105454	54



Female x Male Plain End,
HNBR Gas Approved Seal

3102	Size mm
172101515	15
172102222	22
172102828	28
172103535	35
172104242	42
172105454	54

Female x Male Plain End,
FKM Seal

3102	Size mm
142101515	15
142102222	22
142102828	28
142103535	35
142104242	42
142105454	54

Wallplates



Female x Female Threaded,
BSPP, EPDM Seal

3102	Size mm	Thread
1234015012	15	1/2"
1234022034	22	3/4"



Female x Female Threaded,
BSPP, HNBR Gas Approved Seal

3102	Size mm	Thread
1734015012	15	1/2"
1734022034	22	3/4"

Female x Female Threaded,
BSPP, FKM Seal

3102	Size mm	Thread
1434015012	15	1/2"
1434022034	22	3/4"

Flange Adaptors



Female PN16,
EPDM Seal

3102	Size mm
1240022	22
1240028	28
1240035	35
1240042	42
1240054	54



Female PN16,
HNBR Gas Approved Seal

3102	Size mm
1740022	22
1740028	28
1740035	35
1740042	42
1740054	54

Female PN16,
FKM Seal

3102	Size mm
1440022	22
1440028	28
1440035	35
1440042	42
1440054	54



You might also need...
RIDGID Press Tool
...see page 1744



Partial Crossovers



**Male Plain End x Male Plain End,
Formed Pipe**

3102	Size mm
123601515	15
123602222	22
123602828	28
123603535	35
123604242	42
123605454	54

90° Bends



**Plain Male x Plain Male,
Formed Pipe**

3102	Size mm
123501515	15
123502222	22
123502828	28
123503535	35
123504242	42
123505454	54

45° Bends



**Plain Male x Plain Male,
Formed Pipe**

3102	Size mm
123801515	15
123802222	22
123802828	28
123803535	35
123804242	42
123805454	54

Pipe



Series 1, 3 Metre Lengths

3102	Size mm	Wall Thickness
129501506-3MTR	15	0.6
129502207-3MTR	22	0.7
129502808-3MTR	28	0.8
129503510-3MTR	35	1.0
2023-9901-3MTR	42	1.1
129505412-3MTR	54	1.2



Series 2, 3 Metre Lengths

3102	Size mm	Wall Thickness
129001510-3MTR	15	1.0
129002212-3MTR	22	1.2
129002812-3MTR	28	1.2
129003515-3MTR	35	1.5
129004215-3MTR	42	1.5
129005415-3MTR	54	1.5

Series 1, 6 Metre Lengths

3102	Size mm	Wall Thickness
129501506	15	0.6
129502207	22	0.7
129502808	28	0.8
129503510	35	1.0
129504211	42	1.1
129505412	54	1.2



Series 2, 6 Metre Lengths

3102	Size mm	Wall Thickness
129001510	15	1.0
129002212	22	1.2
129002812	28	1.2
129003515	35	1.5
129004215	42	1.5
129005415	54	1.5



316L Stainless Steel Press Fit Ball Valves


 **Working Temperature:**
-10°C to +120°C

 **Maximum Working Pressure:**
16 bar



**WRAS, Female x Female,
EPDM Seal**

3105	Size mm
SS60015BH	15
SS60022BH	22
SS60028BH	28
SS60035BH	35
SS60042BH	42
SS60054BH	54

 **Working Temperature:**
-20°C to +70°C

 **Maximum Working Pressure:**
5 bar



**GAS, Female x Female,
HNBR Gas Approved Seal**

3105	Size mm
SS60015YH	15
SS60022YH	22
SS60028YH	28
SS60035YH	35
SS60042YH	42
SS60054YH	54

Copper Press Fit Piping System

The M-Press copper ring main system is the leading solution for all copper installation requirements.

Its innovative design and superior quality guarantee a hassle-free installation process and long-lasting performance.

M-Press's copper system is a versatile and reliable solution for a wide range of industrial and domestic applications.

Its innovative design and high-quality construction guarantee a seamless installation process with minimal downtime and complications for the installer.

The system features a range of advanced components and features, including durable copper piping, precision-engineered fittings, and advanced sealing technologies, to ensure maximum performance and reliability in even the most demanding environments.

Whether working on a large industrial project or installing a domestic heating system, M-Press's Copper Press Fit system is the preferred solution for your needs.



Features:

- WRAS certified
- Gas EN331 certified
- Universally compatible with all M-Profile systems
- Reliable and durable press system
- Leak-free performance

Advantages:

- Ease of installation
- Increased productivity
- Removes the need for traditional site hot-work permits
- Wide choice of products and seal types
- Clean and hassle-free handling
- Lightweight system

The M-Press system is manufactured to meet the highest standards and materials:

- ✓ **Fittings:** CW024A according to EN 1254
- ✓ **Threaded fittings:** CC499K according to EN 1282


Trust M-Press to provide a reliable and efficient solution for your ring main installation

EPDM Seals



Material	Copper
Formed Fittings:	CW024A according to EN1254
Threaded Fittings:	CC499K according to EN1282
Pipe:	EN1057
Seal Type:	EPDM
Description:	Ethylene Propylene Diene Mnomer

 **Temperature:**
-30°C to +120°C

 **Pressure:**
PN16 16 bar

Applications

- Potable water services
- Hydronic heating
- Compressed air
- BCWS (Boosted cold water services)
- Chilled water applications
- Purified water
- Inert gases

Application Services

- Drinking water
- HWS and commercial/domestic heating
- Compressed air (<25mg/M³ compressor oil concentration)
- Risers and plant rooms
- Cooling water (chilled water) with glycol <50% concentration
- Grey water
- Low pressure steam condensate
- Helium, Neon, Argon

HNBR Gas Approved Seals



 **DVGW** DVGW G260 & G262

Material	Copper
Formed Fittings:	CW024A according to EN1254
Threaded Fittings:	CC499K according to EN1282
Pipe:	EN1057
Seal Type:	HNBR
Description:	Hydrogenated Nitrile Butadiene Rubber

 **Temperature:**
-20°C to +70°C

 **Pressure:**
PN5 5 bar

Applications

- Offshore applications
- Low pressure hydraulic systems
- Hot water supply
- Flammable gases (DVGW G260, 262)
- Inert gases

Application Services


- Methane gas transportation
- Low pressure hydraulic system
- Domestic and commercial heating systems
- Natural gas and LPG
- Helium, Neon, Argon

FKM Seals



Material	Copper
Formed Fittings:	CW024A according to EN1254
Threaded Fittings:	CC499K according to EN1282
Pipe:	EN1057
Seal Type:	FKM
Description:	Viton Fluoroelastomer

 **Temperature:**
-30°C to +180°C
(+230°C for short periods)

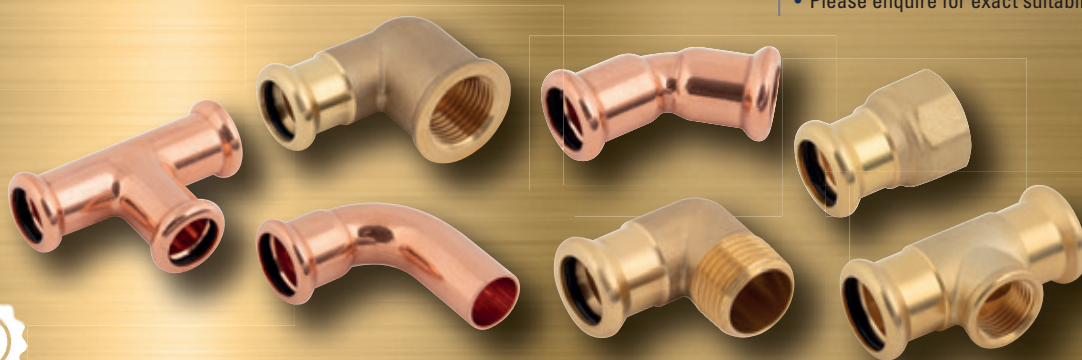
 **Pressure:**
PN16 16 bar

Applications

- Domestic and commercial solar thermal heating
- Domestic and commercial heating
- Commercial steam condensate
- Industrial compressed air
- Acidic transportation
- Hydraulic applications
- Oil and fuels

Application Services

- High temperature heating and hot water systems
- Commercial warehouse/ Large area heating systems
- Low pressure steam condensate
- Industrial compressed air systems (>25mg/M³ compressor oil concentration)
- Some acid solutions
- Hydraulic oils
- Heavy oil and fuel transportation (Kerosene, Parafin, Diesel)
- Please enquire for exact suitability



Adaptors



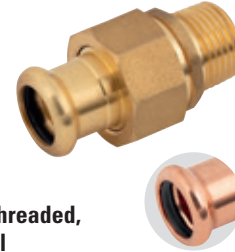
Female x Female Threaded, BSPP, EPDM Seal

3104	Size mm	Thread
6802015012	15	1/2"
6802015034	15	3/4"
6802022012	22	1/2"
6802022034	22	3/4"
6802022100	22	1"
6802028034	28	3/4"
6802028100	28	1"
6802035114	35	1.1/4"
6802042112	42	1.1/2"
6802054200	54	2"



Female x Female Threaded, BSPP, EPDM Seal

3104	Size mm	Thread
6801015012	15	1/2"
6801015034	15	3/4"
6801022012	22	1/2"
6801022034	22	3/4"
6801022100	22	1"
6801028034	28	3/4"
6801028100	28	1"
6801035114	35	1.1/4"
6801042112	42	1.1/2"
6801054200	54	2"



Female x Male Threaded, BSPP, EPDM Seal

3104	Size mm	Thread
6808015012	15	1/2"
6808022034	22	3/4"
6808028100	28	1"
6808035114	35	1.1/4"
6808042112	42	1.1/2"
6808054200	54	2"



Female x Female Threaded, BSPP, HNBR Gas Approved Seal



3104	Size mm	Thread
7902015012	15	1/2"
7902015034	15	3/4"
7902022012	22	1/2"
7902022034	22	3/4"
7902022100	22	1"
7902028034	28	3/4"
7902028100	28	1"
7902035114	35	1.1/4"
7902042112	42	1.1/2"
7902054200	54	2"



Female x Female Threaded, BSPP, HNBR Gas Approved Seal



3104	Size mm	Thread
7901015012	15	1/2"
7901015034	15	3/4"
7901022012	22	1/2"
7901022034	22	3/4"
7901028100	22	1"
7901035100	28	3/4"
7901035114	28	1"
7901042112	35	1.1/4"
7901054200	42	1.1/2"
7901066212	54	2"



Female x Male Threaded, BSPP, HNBR Gas Approved Seal



3104	Size mm	Thread
7908015012	15	1/2"
7908022034	22	3/4"
7908028100	28	1"
7908035114	35	1.1/4"
7908042112	42	1.1/2"
7908054200	54	2"

Female x Female Threaded, BSPP, FKM Seal



3104	Size mm	Thread
8802015012	15	1/2"
8802015034	15	3/4"
8802022012	22	1/2"
8802022034	22	3/4"
8802022100	22	1"
8802028034	28	3/4"
8802028100	28	1"
8802035114	35	1.1/4"
8802042112	42	1.1/2"
8802054200	54	2"

Female x Female Threaded, BSPP, FKM Seal



3104	Size mm	Thread
8801015012	15	1/2"
8801015034	15	3/4"
8801022012	22	1/2"
8801022034	22	3/4"
8801028100	22	1"
8801035100	28	3/4"
8801035114	28	1"
8801042112	35	1.1/4"
8801054200	42	1.1/2"
8801066212	54	2"

Female x Male Threaded, BSPP, FKM Seal



3104	Size mm	Thread
8808015012	15	1/2"
8808022034	22	3/4"
8808028100	28	1"
8808035114	35	1.1/4"
8808042112	42	1.1/2"
8808054200	54	2"

Union Adaptors with Flat Seal

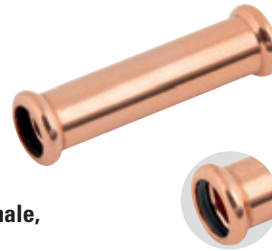
Straight Couplings



**Female x Female,
EPDM Seal**

3104	Size mm
680001515	15
680002222	22
680002828	28
680003535	35
680004242	42
680005454	54

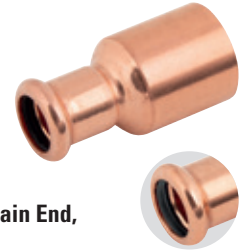
Slip Couplers



**Female x Female,
EPDM Seal**

3104	Size mm
680401515	15
680402222	22
680402828	28
680403535	35
680404242	42
680405454	54

Socket Reducers



**Female x Male Plain End,
EPDM Seal**

3104	Size mm	Size mm
684302215	22	15
684302815	28	15
684302822	28	22
684303522	35	22
684303528	35	28
684304222	42	22
684304228	42	28
684304235	42	35
684305435	54	35
684305442	54	42

8



**Female x Female,
HNBR Gas Approved Seal**



3104	Size mm
790001515	15
790002222	22
790002828	28
790003535	35
790004242	42
790005454	54



**Female x Female,
HNBR Gas Approved Seal**



3104	Size mm
790001515	15
790002222	22
790002828	28
790003535	35
790004242	42
790005454	54



**Female x Male Plain End,
HNBR Gas Approved Seal**



3104	Size mm	Size mm
794302215	22	15
794302815	28	15
794302822	28	22
794303522	35	22
794303528	35	28
794304222	42	22
794304228	42	28
794304235	42	35
794305435	54	35
794305442	54	42

**Female x Male Plain End,
FKM Seal**



3104	Size mm
880001515	15
880002222	22
880002828	28
880003535	35
880004242	42
880005454	54

**Female x Male Plain End,
FKM Seal**



3104	Size mm
880401515	15
880402222	22
880402828	28
880403535	35
880404242	42
880405454	54

**Female x Male Plain End,
FKM Seal**



3104	Size mm	Size mm
884302215	22	15
884302815	28	15
884302822	28	22
884303522	35	22
884303528	35	28
884304222	42	22
884304228	42	28
884304235	42	35
884305435	54	35
884305442	54	42

End Caps



Female x End Cap, EPDM Seal

3104	Size mm
6841015	15
6841022	22
6841028	28
6841035	35
6841042	42
6841054	54



Female x End Cap, HNBR Gas Approved Seal

3104	Size mm
7941015	15
7941022	22
7941028	28
7941035	35
7941042	42
7941054	54

Female x End Cap, FKM Seal

3104	Size mm
8841015	15
8841022	22
8841028	28
8841035	35
8841042	42
8841054	54

45° Elbows



Female x Female, EPDM Seal

3104	Size mm
682301515	15
682302222	22
682302828	28
682303535	35
682304242	42
682305454	54



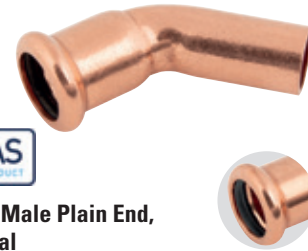
Female x Female, HNBR Gas Approved Seal

3104	Size mm
792301515	15
792302222	22
792302828	28
792303535	35
792304242	42
792305454	54

Female x Female, FKM Seal

3104	Size mm
882301515	15
882302222	22
882302828	28
882303535	35
882304242	42
882305454	54

45° Street Elbows



Female x Male Plain End, EPDM Seal

3104	Size mm
682401515	15
682402222	22
682402828	28
682403535	35
682404242	42
682405454	54



Female x Male Plain End, HNBR Gas Approved Seal

3104	Size mm
792401515	15
792402222	22
792402828	28
792403535	35
792404242	42
792405454	54

Female x Male Plain End, FKM Seal

3104	Size mm
882001515	15
882002222	22
882002828	28
882003535	35
882004242	42
882005454	54

EPDM Seals

Temperature: -30°C to +120°C

Pressure: PN16 16 bar



Description: Ethylene Propylene Diene Mnomer

HNBR Gas Approved Seals

Temperature: -20°C to +70°C

Pressure: PN5 5 bar



Description: Hydrogenated Nitrile Butadiene Rubber

FKM Seals

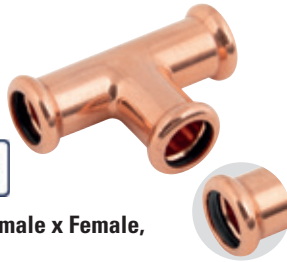
Temperature: -30°C to +180°C (+230°C for short periods)

Pressure: PN16 16 bar



Description: Viton Fluoroelastomer

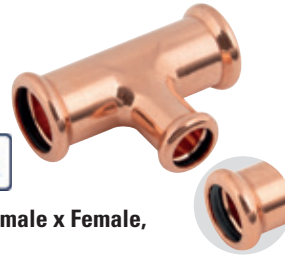
Equal Tees



**Female x Female x Female,
EPDM Seal**

3104	Size mm
68100151515	15
68100222222	22
68100282828	28
68100353535	35
68100424242	42
68100545454	54

Reducing Tees



**Female x Female x Female,
EPDM Seal**

3104	Size mm	Size mm	Size mm
68110221522	22	15	22
68110282228	28	22	28
68110352235	35	22	35
68110352835	35	28	35
68110422242	42	22	42
68110422842	42	28	42
68110423542	42	35	42
68110542254	54	22	54
68110542854	54	28	54
68110543554	54	35	54
68110544254	54	42	54



**Female x Female Threaded,
BSPP x Female, EPDM Seal**

3104	Size mm	Thread	Size mm
68120151215	15	1/2"	15
68120221222	22	1/2"	22
68120223422	22	3/4"	22
68120281228	28	1/2"	28
68120283428	28	3/4"	28
68120351235	35	1/2"	35
68120421242	42	1/2"	42
68120541254	54	1/2"	54



**Female x Female x Female,
HNBR Gas Approved Seal**

3104	Size mm
79100151515	15
79100222222	22
79100282828	28
79100353535	35
79100424242	42
79100545454	54



**Female x Female x Female,
HNBR Gas Approved Seal**

3104	Size mm	Size mm	Size mm
79110221522	22	15	22
79110282228	28	22	28
79110352235	35	22	35
79110352835	35	28	35
79110422842	42	22	42
79110422842	42	28	42
79110423542	42	35	42
79110542254	54	22	54
79110542854	54	28	54
79110543554	54	35	54
79110544254	54	42	54



**Female x Female Threaded,
BSPP x Female, HNBR Gas Approved Seal**

3104	Size mm	Thread	Size mm
79120151215	15	1/2"	15
79120221222	22	1/2"	22
79120223422	22	3/4"	22
79120281228	28	1/2"	28
79120283428	28	3/4"	28
79120351235	35	1/2"	35
79120421242	42	1/2"	42
79120541254	54	1/2"	54

**Female x Female x Female,
FKM Seal**

3104	Size mm
88100151515	15
88100222222	22
88100282828	28
88100353535	35
88100424242	42
88100545454	54

**Female x Female x Female,
FKM Seal**

3104	Size mm	Size mm	Size mm
88110221522	22	15	22
88110282228	28	22	28
88110352235	35	22	35
88110352835	35	28	35
88110422242	42	22	42
88110422842	42	28	42
88110423542	42	35	42
88110542254	54	22	54
88110542854	54	28	54
88110543554	54	35	54
88110544254	54	42	54

**Female x Female Threaded,
BSPP x Female, FKM Seal**

3104	Size mm	Thread	Size mm
88120151215	15	1/2"	15
88120221222	22	1/2"	22
88120223422	22	3/4"	22
88120281228	28	1/2"	28
88120283428	28	3/4"	28
88120351235	35	1/2"	35
88120421242	42	1/2"	42
88120541254	54	1/2"	54

90° Elbows



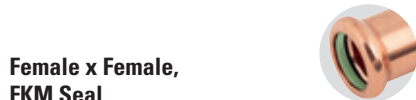
Female x Female, EPDM Seal

3104	Size mm
682001515	15
682002222	22
682002828	28
682003535	35
682004242	42
682005454	54



Female x Female, HNBR Gas Approved Seal

3104	Size mm
882001515	15
882002222	22
882002828	28
882003535	35
882004242	42
882005454	54



Female x Female, FKM Seal

3104	Size mm
882301515	15
882302222	22
882302828	28
882303535	35
882304242	42
882305454	54

90° Bends



Female x Female Threaded, BSPP, EPDM Seal

3104	Size mm	Thread
6832015012	15	1/2"
6832022034	15	3/8"
6832028100	22	3/4"



Female x Female Threaded, BSPP, HNBR Gas Approved Seal

3104	Size mm	Thread
7932015012	15	1/2"
7932022034	15	3/8"
7932028100	22	3/4"



Female x Female Threaded, BSPP, FKM Seal

3104	Size mm	Thread
8832015012	15	1/2"
8832022034	15	3/8"
8832028100	22	3/4"



Female x Male Threaded, BSPP, EPDM Seal

3104	Size mm	Thread
6831015012	15	1/2"
6831022034	22	3/4"
6831028100	28	1"



Female x Male Threaded, BSPP, HNBR Gas Approved Seal

3104	Size mm	Thread
7931015012	15	1/2"
7931022034	22	3/4"
7931028100	28	1"



Female x Male Threaded, BSPP, FKM Seal

3104	Size mm	Thread
8831015012	15	1/2"
8831022034	22	3/4"
8831028100	28	1"

EPDM Seals

Temperature: -30°C to +120°C

Pressure: PN16 16 bar



Description: Ethylene Propylene Diene Mnomer

HNBR Gas Approved Seals

Temperature: -20°C to +70°C

Pressure: PN5 5 bar



Description: Hydrogenated Nitrile Butadiene Rubber

FKM Seals

Temperature: -30°C to +180°C (+230°C for short periods)

Pressure: PN16 16 bar



Description: Viton Fluoroelastomer

90° Street Elbows



**Female x Male Plain End,
EPDM Seal**



3104	Size mm
682101515	15
682102222	22
682102828	28
682103535	35
682104242	42
682105454	54



**Female x Male Plain End,
HNBR Gas Approved Seal**



3104	Size mm
792101515	15
792102222	22
792102828	28
792103535	35
792104242	42
792105454	54

**Female x Male Plain End,
FKM Seal**



3104	Size mm
882001515	15
882002222	22
882002828	28
882003535	35
882004242	42
882005454	54



Brass Press Fit Ball Valves



Working Temperature:
-10°C to +120°C

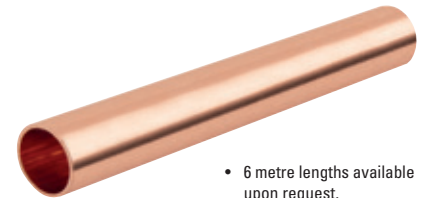
Maximum Working Pressure:
16 bar



Female x Female, EPDM Seal

3105	Size mm
GP60015PP	15
GP60022PP	22
GP60028PP	28
GP60035PP	35
GP60042PP	42
GP60054PP	54

Plumbing Copper Tube



- 6 metre lengths available upon request.

BS EN1057 R250, 3 Metre Lengths

5072	OD mm	ID mm	Max Pressure PSI	Max Pressure Bar
PCU15	15	13.6	843	59
PCU22	22	20.2	752	51
PCU28	28	26.2	582	40
PCU35	35	32.6	618	43
PCU42	42	39.6	512	35
PCU54	54	51.6	396	27
PCU67	67	64.6	317	22

RIDGID

You might also need...
RIDGID PC 116 Powered Tubing Cutter
 ...see page 1743



NIROSAN® STAINLESS STEEL PRESS FIT PIPING SYSTEM

stainless steel

SANHA



NiroSan® press system fittings and NiroSa® system pipes in stainless steel with tool compatibility, leak path feature and 'push and stay' function.

Stainless steel systems from SANHA® can be used universally. The various NiroSan® pipes and NiroSan® press system fittings can be combined with each other, making them particularly user friendly.

Features

- Pressable with V, M and SA profile
- Suitable for a very broad range of applications
- Long service life of fittings and EPDM sealing ring
- Inseparable, pressure-formed connection
- WRAS tested and certified
- All fittings and tube are manufactured from 316 L grade stainless steel

Working Temperature:
-30°C to +120°C

Maximum Working Pressures:
Water: 22mm: 40 bar, 28-35mm: 25 bar, 42-54mm: 16 bar
Flammable Gases: 5 bar
Non-flammable/oxic Gases: 16 bar

Press fittings suitable for both gas and industrial oil applications are available on request

Series 9000, Straights

Female x Male Plain End, Reducer



0473	ID mm	OD mm
692432215	22	15
692432815	28	15
692432822	28	22
692433522	35	22
692433528	35	28
692434228	42	28
692434235	42	35
692435428	54	28
692435435	54	35
692435442	54	42

Tech Sheet 60369

Female x Male Threaded, BSPT



0473	ID mm	Thread
69243G1512	15	1/2"
69243G1534	15	3/4"
69243G221	22	1"
69243G2212	22	1/2"
69243G2234	22	3/4"
69243G281	28	1"
69243G2834	28	3/4"
69243G351	35	1"
69243G35114	35	1.1/4"
69243G42112	42	1.1/2"
69243G542	54	2"

Tech Sheet 60369

Male Plain End x Female Threaded, BSPT



0473	ID mm	Thread
69246G1512	15	1/2"
69246G2212	22	1/2"
69246G2234	22	3/4"
69246G2834	28	3/4"

Tech Sheet 60369

Male Plain End x Male Threaded, BSPT



0473	OD mm	Thread
69280G1512	15	1/2"
69280G2212	22	1/2"
69280G2234	22	3/4"
69280G281	28	1"

Tech Sheet 60369

Coupling



0473	ID mm
6927015	15
6927022	22
6927028	28
6927035	35
6927042	42
6927054	54

Tech Sheet 60369

Slip Coupling



0473	ID mm
69270S15	15
69270S22	22
69270S28	28
69270S35	35
69270S42	42
69270S54	54

Tech Sheet 60369

Female End x Female Threaded, BSPT



0473	ID mm	Thread
69270G1512	15	1/2"
69270G2212	22	1/2"
69270G2234	22	3/4"
69270G281	28	1"
69270G2834	28	3/4"
69270G35114	35	1.1/4"
69270G42112	42	1.1/2"
69270G542	54	2"

Tech Sheet 60369

Female End x Female Threaded, with Flat Centellen Seal, BSPP



0473	ID mm	Thread
69359M1512	15	1/2"
69359M1534	25	3/4"
69359M221	22	1"
69359M28114	28	1.1/4"
69359M35112	35	1.1/2"
69359M42134	42	1.3/4"

Tech Sheet 60369

Series 9000, End Caps



Female

0473	ID mm
6930115	15
6930122	22
6930128	28
6930135	35

Tech Sheet 60369

Series 9000, Tube



6 Metre Lengths

0473	ID mm
6960015	15
6960022	22
6960028	28
6960035	35
6960042	42
6960054	54

Tech Sheet 60369

NIROSAN® STAINLESS STEEL PRESS FIT PIPING SYSTEM

stainless
steel

SANHA®



Series 9000, Tees



Equal

0473	ID mm
6913015	15
6913022	22
6913028	28
6913035	35
6913042	42
6913054	54

Tech Sheet 60369



Reducing

0473	ID mm	ID mm
69130221522	22	15
69130281528	28	15
69130352235	35	22
69130352835	35	28
69130422242	42	22
69130422842	42	28
69130423542	42	35
69130542254	54	22
69130542854	54	28
69130543554	54	35
69130544254	54	42

Tech Sheet 60369



Female Threaded Centre Leg, BSPT

0473	ID mm	Thread
69130G151215	15	1/2"
69130G221222	22	1/2"
69130G223422	22	3/4"
69130G281228	28	1/2"
69130G283428	28	3/4"
69130G351235	35	1/2"
69130G353435	35	3/4"
69130G421242	42	1/2"
69130G541254	54	1/2"

Tech Sheet 60369

Press fittings suitable for both gas and industrial oil applications are available on request.

Series 9000, 90° Elbows



Female x Male Plain End

0473	ID mm	OD mm
69001A15	15	15
69001A22	22	22
69001A28	28	28
69001A35	35	35
69001A42	42	42
69001A54	54	54

Tech Sheet 60369



Female x Male Plain End, Long

0473	ID mm	OD mm
69001L15	15	15
69001L22	22	22
69001L28	28	28
69001L35	35	35
69001L42	42	42
69001L54	54	54

Tech Sheet 60369



Equal Female

0473	ID mm
69002A15	15
69002A22	22
69002A28	28
69002A35	35
69002A42	42
69002A54	54

Tech Sheet 60369

Series 9000, 45° Elbows



Female x Male Plain End

0473	ID mm	OD mm
6904015	15	15
6904022	22	22
6904028	28	28
6904035	35	35
6904042	42	42
6904054	54	54

Tech Sheet 60369



Female x Male Thread, BSPT

0473	ID mm	Thread
69002AG1512	15	1/2"
69002AG2234	22	3/4"

Tech Sheet 60369



Female x Female Thread, BSPT

0473	ID mm	Thread
69002G1512	15	1/2"
69002G2234	22	3/4"

Tech Sheet 60369



Compact, Female x Female Thread, BSPT

0473	ID mm	Thread
69090IG1512	15	1/2"
69090IG2234	22	3/4"

Tech Sheet 60369



Compact, Female x Male Thread, BSPT

0473	ID mm	Thread
69092AG1512	15	1/2"
69092AG2234	22	3/4"
69092AG281	28	1"

Tech Sheet 60369



Female x Female

0473	ID mm
6904115	15
6904122	22
6904128	28
6904135	35
6904142	42
6904154	54

Tech Sheet 60369