



ZHEJIANG MINGSHI XINGXIN HVAC TECHNOLOGY CO., LTD.

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PRODUCT CATALOGUE

PLASTIC PIPES & FITTINGS / VALVES / STAINLESS STEEL PIPES & FITTINGS

 MINGSHI

www.ms-piping.com

Company Introduction

Create a new standard of living

ZHEJIANG MINGSHI XINGXIN HVAC TECHNOLOGY CO., LTD. Established in the year of 1999, the company now is one of the top manufacturers of plastic and composite pipes, tubes, brass fittings, manifolds, cylinders and valves in China.

◆ Excellent R & D Ability

Mingshi accumulated rich expertise and experience to develop, test and market products independently. We have the experienced staff and the newest equipments. All our products are made with the highest technical specifications, and incorporated the latest design technology.

◆ Strict Quality Assurance System

Mingshi acquired the ISO9001 quality system certificate, and taking strict quality control according to the system. We have 3 internal laboratories covering the inspection from raw material to finished products. All of our products are also evaluated by the authorized regulatory department of Chinese government, and all of our products specifications are beyond national industry standards.



◆ Numerous Product Certifications

All of our products acquired the ISO9001 quality system certificate and ISO14001 environment system certificate. We also acquired the AENOR certificate in Spain, the SKZ certificate in Germany, the WaterMark & StandardsMark certificates in Australia, the JASWIC certificate in South Africa and CE certificate in European Union.

◆ Widespread Market Approval

Products made by Mingshi are sold to 38 countries and regions which include Italy, Spain, Germany, UK, US, and so on. With our good reputation and remarkable quality, Mingshi has become a famous brand among Chinese export commodities, it also wins great favor from overseas buyers. We are a top supplier in China.

◆ Registered Trademarks:

 MINGSHI

 MSP

International Approvals

- The **ISO9001** Quality System Certificate
- The **ISO14001** Environmental Management System
- The **ACS** Certificate In France
- The **AENOR** Certificate In Spain
- The **CSTB** Certificate In France
- The **CE** Certificate In European Union
- The **WATERMARK** Certificate In Australia
- The **JASWIC** Certificate In South Africa
- The **SNAS** Quality System Certificate In Slovak
- The **WRAS** Certificate In UK
- The **SKZ** Certificate In Germany
- The **Afnor** Certificate In France
- The **GOST** Certificate In Russia
- The **KIWA** Certificate In UK
- The **BSCI** Member



Factory Overview



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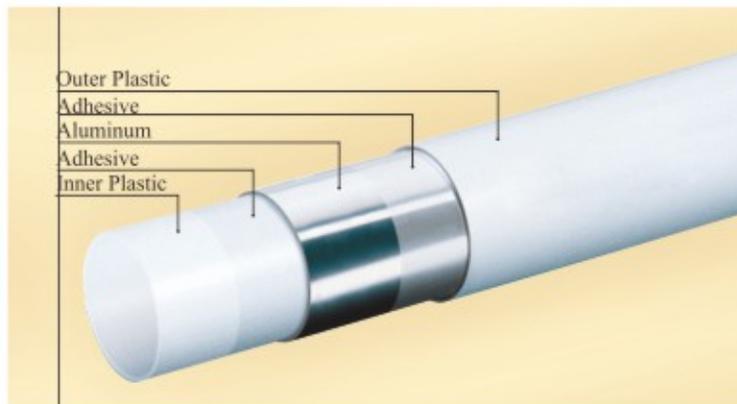
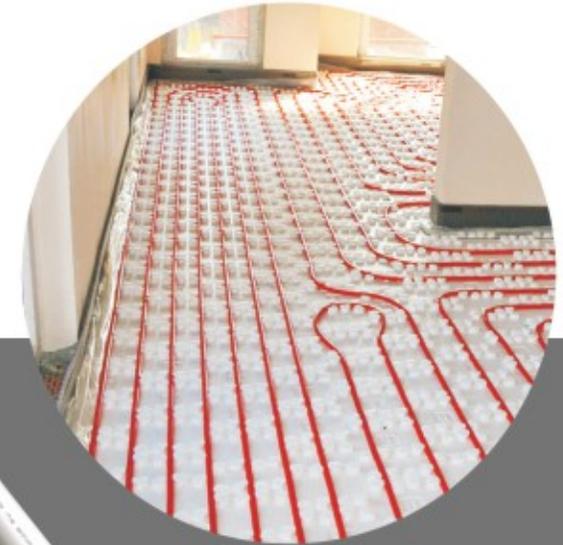
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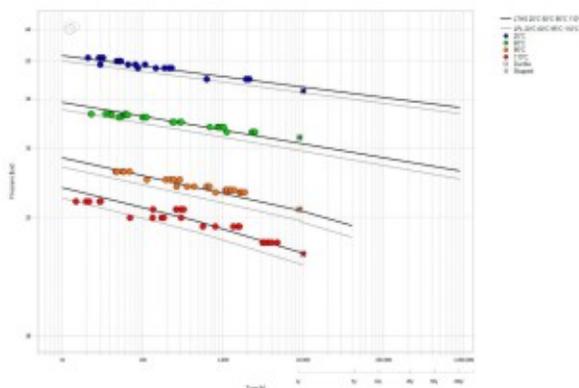
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ALUMINUM PLASTIC MULTILAYER PIPE SERIES



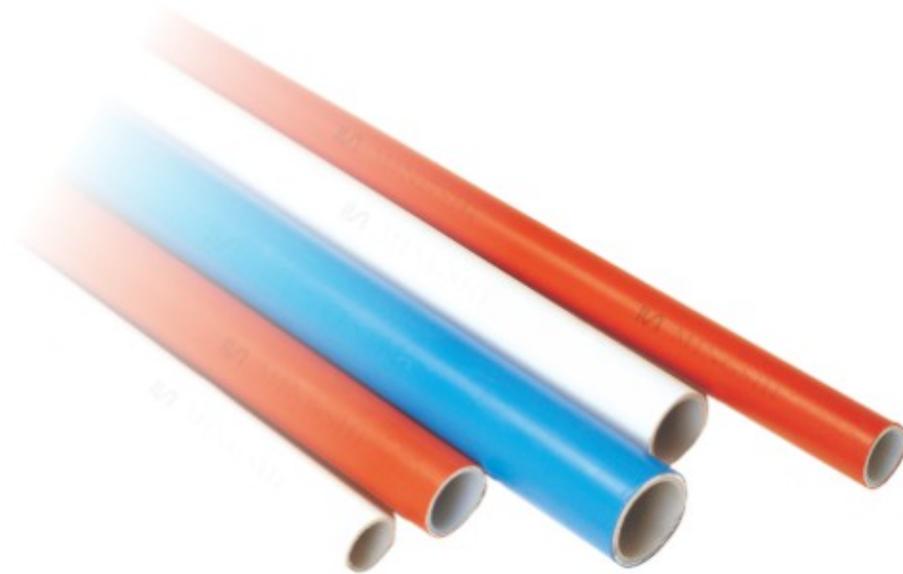
Product Performance

- **Temperature and Pressure Resistance:** max. up to 95°C, 1-1.25Mpa.
- **High Mechanical Strength:** not easy to be damaged or cracked.
- **Corrosion Resistance:** resistant to acid, alkaline and salt solutions.
- **Cleanness and Health:** no harmful substances, mould-proof, non-rusting and non-scaling.
- **Light Weight:** arbitrary length with convenient installation.
- **Flexibility and Non-Rebound:** can be bent without being heated, reduced the use of fittings.
- **Heat Preservation:** 1/100 heat conductivity of metal pipe, excellent heat preservation and outstanding energy conservation.
- **Anti-Vibration and Impact Resistance:** the composite material can effectively reduce and absorb the pipe vibration so as to lower the noise.
- **Long Service Life:** high creep strength and long service life.



Main Applications

- Water supply pipes and drinking water pipes in buildings;
- Hot water supply pipes in buildings;
- Radiant floor and wall heating, and solar water heater pipes;
- Gas delivery pipes of LPG, LNG etc;
- Cold water delivery pipes for air-conditioners;
- Compressed air pipes under medium pressure;
- Special fluid delivery pipes for chemical engineering, petrochemical industry and food industry;
- Communication, telecommunication, computer, information transfer, power transmission & electrical shielding pipes and electrical insulation pipes;
- Water and gas supply pipes for ships.



Product	Model No.	Spec.	Type
PE-AL-PEX	S-1-0201	dn16*en2.0	Hot Water Pipe Overlapped
	S-1-0202	dn18*en2.0	
	S-1-0203	dn20*en2.0	
	S-1-0204	dn25*en2.5/dn26*en3.0	
	S-1-0205	dn32*en3.0	
	S-1-0206	dn40*en4.0	
	S-1-0207	dn50*en4.5	
	S-1-0208	dn63*en6.0	
PEX-AL-PEX	S-1-0209	dn16*en2.0	
	S-1-0210	dn18*en2.0	
	S-1-0211	dn20*en2.0	
	S-1-0212	dn25*en2.5/dn26*en3.0	
	S-1-0213	dn32*en3.0	
	S-1-0214	dn40*en4.0	
	S-1-0215	dn50*en4.5	
	S-1-0216	dn63*en6.0	
	S-1-0217	dn12*en1.5	
	S-1-0218	dn15*en2.0	
	S-1-0219	dn22*en2.5	
	S-1-0220	dn28*en3.0	



PE-AL-PEX	S-1-0501	dn16*en2.0	Hot Water Pipe Butt Welded
	S-1-0502	dn18*en2.0	
	S-1-0503	dn20*en2.0	
	S-1-0504	dn25*en2.5/dn26*en3.0	
	S-1-0505	dn32*en3.0	
	S-1-0506	dn40*en4.0	
	S-1-0507	dn50*en4.5	
	S-1-0508	dn63*en6.0	
PEX-AL-PEX	S-1-0509	dn16*en2.0	
	S-1-0510	dn18*en2.0	
	S-1-0511	dn20*en2.0	
	S-1-0512	dn25*en2.5/dn26*en3.0	
	S-1-0513	dn32*en3.0	
	S-1-0514	dn40*en4.0	
	S-1-0515	dn50*en4.5	
	S-1-0516	dn63*en6.0	
	S-1-0517	dn15*en2.0	
	S-1-0518	dn22*en2.5	
	S-1-0519	dn28*en3.0	



CORRUGATED PIPE	S-1-0701	dn16	
	S-1-0702	dn20	
	S-1-0703	dn25	
	S-1-0704	dn26	
	S-1-0705	dn32	

Product	Model No.	Spec.	Type
PE-AL-PE	S-1-0101	dn16*en2.0	Cold Water Pipe Overlapped
	S-1-0102	dn18*en2.0	
	S-1-0103	dn20*en2.0	
	S-1-0104	dn25*en2.5/dn26*en3.0	
	S-1-0105	dn32*en3.0	
	S-1-0106	dn40*en4.0	
	S-1-0107	dn50*en4.5	
	S-1-0108	dn63*en6.0	Cold Water Pipe Butt Welded
	S-1-0401	dn16*en2.0	
	S-1-0402	dn18*en2.0	
	S-1-0403	dn20*en2.0	
	S-1-0404	dn25*en2.5/dn26*en3.0	
	S-1-0405	dn32*en3.0	
	S-1-0406	dn40*en4.0	
S-1-0407	dn50*en4.5	Gas Pipe Overlapped & Butt-welded	
S-1-0408	dn63*en6.0		
S-1-0301	dn16*en2.0		
S-1-0302	dn18*en2.0		
S-1-0303	dn20*en2.0		
S-1-0304	dn25*en2.5/dn26*en3.0		
S-1-0405	dn32*en3.0		
S-1-0406	dn40*en4.0		
S-1-0407	dn50*en4.5	Hot Water Pipe Overlapped	
S-1-0408	dn63*en6.0		
S-1-0600	dn12*en1.5		
S-1-0601	dn16*en2.0		
S-1-0602	dn18*en2.0		
S-1-0603	dn20*en2.0		
S-1-0604	dn25*en2.5/dn26*en3.0		
S-1-0605	dn32*en3.0		
S-1-0606	dn40*en4.0	Hot Water Pipe Butt Welded	
S-1-0607	dn50*en4.5		
S-1-0608	dn63*en6.0		
S-1-0609	dn16*en2.0		
S-1-0610	dn18*en2.0		
S-1-0611	dn20*en2.0		
S-1-0612	dn25*en2.5/dn26*en3.0		
S-1-0613	dn32*en3.0		
S-1-0614	dn40*en4.0	INSULATED PIPE	
S-1-0615	dn50*en4.5		
S-1-0616	dn63*en6.0		
S-1-0801	dn16		
S-1-0802	dn20		
S-1-0803	dn25		
S-1-0804	dn26		
S-1-0805	dn32		

PP-R PIPE SERIES



PP-R pipe, formerly called random copolymerized polypropylene pipe, is the most reliable in plumbing and water supply plants, due to its chemical features and fusion welding, which ensures the plumbing to have a perfect seal tight system.

Featured by excellent cleanness, cost effectiveness, applicability and advantage in safety, it is considered as the optimal pipe material for cold and hot water systems.



PP-R Pipe Features

PP-R pipe possess the features of ordinary pipes, including light weight, corrosion resistance and non-scaling. Moreover, it also has the following features:

- Non-toxicity and health.
- Heat preservation and energy conservation.
- Great heat resistance.
- Long service life.
- Convenient installation and reliable connection.
- The material can be recycled.



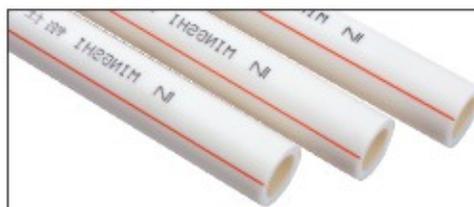
Applications

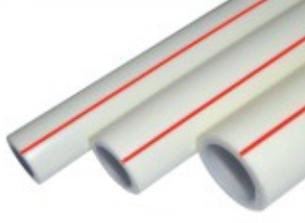
- Cold & hot water systems in buildings, including central heating system;
- Heating systems in buildings, including under floor, wall panel and radiation heating systems;
- Drinking water supply purifying system;
- Central (integrated) air-conditioning system;
- Industrial pipeline systems used for delivering or discharging chemical substances.

Product	Model No.	Spec.
 <p>PP-R 1.25MPa S5</p>	S-2-0101	dn25*2.3
	S-2-0102	dn32*2.9
	S-2-0103	dn40*3.7
	S-2-0104	dn50*4.6
	S-2-0105	dn63*5.8
	S-2-0106	dn75*6.8
	S-2-0107	dn90*8.2
	S-2-0108	dn110*10

 <p>PP-R 1.60MPa S4</p>	S-2-0201	dn20*2.3
	S-2-0202	dn25*2.8
	S-2-0203	dn32*3.6
	S-2-0204	dn40*4.5
	S-2-0205	dn50*5.6
	S-2-0206	dn63*7.1
	S-2-0207	dn75*8.4
	S-2-0208	dn90*10.1
	S-2-0209	dn110*12.3

 <p>PP-R 2.0MPa S3.2</p>	S-2-0301	dn20*2.8
	S-2-0302	dn25*3.5
	S-2-0303	dn32*4.4
	S-2-0304	dn40*5.5
	S-2-0305	dn50*6.9
	S-2-0306	dn63*8.6
	S-2-0307	dn75*10.3
	S-2-0308	dn90*12.3
	S-2-0309	dn110*15.1

 <p>PP-R 2.5MPa S2.5</p>	S-2-0401	dn20*3.4
	S-2-0402	dn25*4.2
	S-2-0403	dn32*5.4
	S-2-0404	dn40*6.7
	S-2-0405	dn50*8.3
	S-2-0406	dn63*10.5

Product	Model No.	Spec.
 <p>PPR-AL-PPR 1.6Mpa S4</p>	S-4-0101	D20*2.3
	S-4-0102	D25*2.8
	S-4-0103	D32*3.6
	S-4-0104	D40*4.5
	S-4-0105	D50*5.6
	S-4-0106	D63*7.1
 <p>PPR-AL-PPR 2.0Mpa S3.2</p>	S-4-0201	D20*2.8
	S-4-0202	D25*3.5
	S-4-0203	D32*4.4
	S-4-0204	D40*5.5
	S-4-0205	D50*6.9
	S-4-0206	D63*8.6
 <p>PPR-AL-PPR 2.5Mpa S2.5</p>	S-4-0301	D20*3.4
	S-4-0302	D25*4.2
	S-4-0303	D32*5.4
	S-4-0304	D40*6.7
	S-4-0305	D50*8.3
	S-4-0306	D63*10.5
 <p>PPR-AL-PERT Overlapped 1.0 Mpa</p>	S-4-0401	D20*3.0
	S-4-0402	D25*3.25
	S-4-0403	D32*4.0

PE-RT PIPE SERIES



PE-RT pipe is made through the copolymerization of ethylene monomer and 1-octylene monomer, is the medium-density ethylene-octylene copolymer designed for the radiant floor heating system, with PE features like sanitation performance and processing performance.

PE-RT Pipe Features

- Excellent stability and long service life;
- Good impact resistance and high safety;
- With outstanding flexibility, the product can be easily bended and carried out the construction;
- Favorable heat conductivity;
- Repairable fusion welding connection, simple installation and convenient maintenance;
- Low installation & maintenance cost, high cost performance.



Product	Model No.	Spec.
<p>PE-RT</p>	S-5-0101	16x2.0
	S-5-0102	18x2.0
	S-5-0103	20x2.0
	S-5-0104	25x2.5
	S-5-0105	32x3.0

<p>PERT-EVOH</p>	S-5-1101	16x2.0
	S-5-1102	18x2.0
	S-5-1103	20x2.0
	S-5-1104	25x2.5
	S-5-1105	32x3.0

◀ Forced air heating systems waste energy heating your ceiling.

▲ MSP radiant heating system brings the warmth down to earth.

Radiant heating is the clear choice for customers demanding the most comfortable, efficient heating system on the market today. Radiant heating requires very little maintenance, is easily zoned and has proven itself time and time again as a viable alternative to forced-air heating systems. Radiant heating brings the warmth down to earth, where it is most effective.

The MSP heating system works with hot water circulating through pipes in the floor or walls. The energy is transferred to, and absorbed by other objects in the room. The heat transfer causes the temperature of an object to rise--increasing the temperature of the surrounding air.

PE-X PIPE SERIES



PE-X pipe is made from the polyethylene material, adopting the cross-linking technique to form the covalent bond between polyethylene molecular chains. It has excellent heat resistance and outstanding mechanical and physical performance.

Product	Model No.	Spec.
 PEX-B	S-3-0135	dn16*en1.8
	S-3-0136	dn20*en1.9
	S-3-0137	dn25*en2.3
	S-3-0138	dn32*en2.9

 PEX-B WITH EVOH	S-3-1101	dn16*en2.0
	S-3-1102	dn18*en2.0
	S-3-1103	dn20*en2.0
	S-3-1104	dn25*en2.5
	S-3-1105	dn32*en3.0

 PEX-A	S-3-0301	dn16*en1.8
	S-3-0302	dn20*en1.9
	S-3-0303	dn25*en2.3
	S-3-0304	dn32*en2.9

 PEX-A (EVOH)	S-3-0106	dn16*en2.0
	S-3-0107	dn20*en2.0
	S-3-0108	dn25*en2.5
	S-3-0109	dn32*en3.0

 PEX-A (EVOH)	S-3-0201	dn16*en2.2
	S-3-0202	dn20*en2.8
	S-3-0203	dn25*en3.5
	S-3-0204	dn32*en4.4



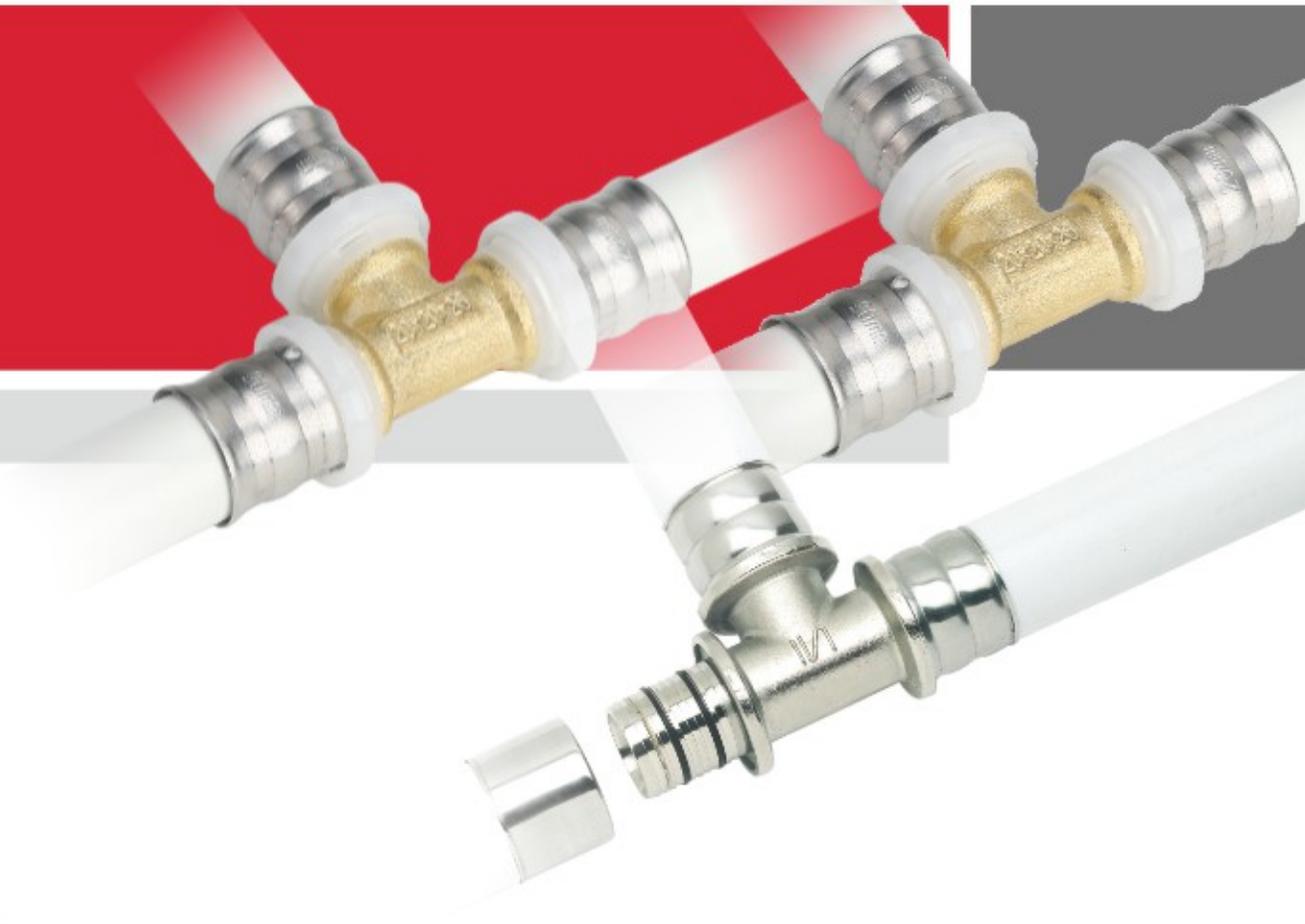
PE-X Pipe Features

- Outstanding quality, strong toughness and high internal pressure strength.
- With excellent corrosion resistance and environmental stress crack resistance, the product can deliver chemical fluids under high-temperature conditions.
- As the inner wall surface tension of the pipe is low, the water with high surface tension is difficult to soak into the inner wall, which can effectively avoid scaling.
- Due to smooth inner wall of the pipe, small fluid flow resistance, excellent hydraulic performance, the product has the larger fluid flow than the metal pipe.
- With flexibility and memory model, the product shape can be restored after being heated.
- With light weight and convenient installation, the product is easy to be delivered and carried out the construction.
- Under the normal conditions, the service life can be over 50 years.

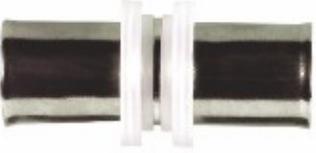
 PEX-B	S-3-0101	dn16*en2.0
	S-3-0102	dn18*en2.0
	S-3-0103	dn20*en2.0
	S-3-0104	dn25*en2.5
	S-3-0105	dn32*en3.0

 PEX-B	S-3-0131	dn16*en2.2
	S-3-0132	dn20*en2.8
	S-3-0133	dn25*en3.5
	S-3-0134	dn32*en4.4

PRESS FITTINGS (U&TH&RFZ&MULTIJAW)



- The products are suitable for connecting parts of fluid pipes. The operating temperature is -20°C to 110°C and the operating pressure is ≤ 2.5 MPa.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosively for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, Steel plastic composite pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.

Product	Model No.	Spec.
 <p>Straight</p>	M-1-0101	S16
	M-1-0102	S18
	M-1-0103	S20
	M-1-0104	S25
	M-1-0105	S32
	M-1-0106	S40
	M-1-0107	S50
	M-1-0108	S63
 <p>Reduced Straight</p>	M-1-0201	S18*16
	M-1-0202	S20*16
	M-1-0203	S20*18
	M-1-0204	S25*16
	M-1-0205	S25*18
	M-1-0206	S25*20
	M-1-0222	S32*16
	M-1-0207	S32*20
	M-1-0208	S32*25
	M-1-0209	S40*16
	M-1-0210	S40*18
	M-1-0211	S40*20
	M-1-0212	S40*25
	M-1-0213	S40*32
	M-1-0214	S50*20
	M-1-0215	S50*25
	M-1-0216	S50*32
	M-1-0217	S50*40
M-1-0218	S63*25	
M-1-0219	S63*32	
M-1-0220	S63*40	
M-1-0221	S63*50	
 <p>Elbow</p>	M-1-0501	L16
	M-1-0502	L18
	M-1-0503	L20
	M-1-0504	L25
	M-1-0505	L32
	M-1-0506	L40
	M-1-0507	L50
	M-1-0508	L63

Product	Model No.	Spec.
	M-1-0301	S16*1/2"M
	M-1-0302	S16*3/4"M
	M-1-0303	S18*1/2"M
	M-1-0304	S18*3/4"M
	M-1-0305	S20*1/2"M
	M-1-0306	S20*3/4"M
	M-1-0307	S20*1"M
	M-1-0308	S25*1/2"M
	M-1-0309	S25*3/4"M
	M-1-0310	S25*1"M
	M-1-0311	S32*1/2"M
	M-1-0312	S32*3/4"M
	M-1-0313	S32*1"M
	M-1-0314	S32*1 1/4"M
	M-1-0315	S32*1 1/2"M
	M-1-0316	S40*1 1/2"M
	M-1-0317	S40*1 1/4"M
	M-1-0318	S40*2"M
	M-1-0319	S50*1 1/4"M
	M-1-0320	S50*1 1/2"M
	M-1-0321	S50*2"M
	M-1-0322	S63*1"M
	M-1-0323	S63*1 1/2"M
	M-1-0324	S63*2"M
	M-1-0325	S63*2 1/2"M
	M-1-0326	

Male Straight

	M-1-2801	T16*1/2"M*16
	M-1-2802	T16*3/4"M*16
	M-1-2803	T20*1/2"M*20
	M-1-2804	T20*3/4"M*20

Male Tee

Product	Model No.	Spec.
	M-1-0401	S16*1/2"F
	M-1-0402	S16*3/4"F
	M-1-0403	S16*1"F
	M-1-0404	S18*1/2"F
	M-1-0405	S18*3/4"F
	M-1-0407	S20*1/2"F
	M-1-0408	S20*3/4"F
	M-1-0409	S20*1"F
	M-1-0410	S25*1/2"F
	M-1-0411	S25*3/4"F
	M-1-0412	S25*1"F
	M-1-0413	S32*1/2"F
	M-1-0414	S32*3/4"F
	M-1-0415	S32*1"F
	M-1-0416	S32*1 1/4"F
	M-1-0417	S32*3/2"F
	M-1-0418	S40*1 1/2"F
	M-1-0419	S50*1 1/2"F
	M-1-0420	S50*2"F
	M-1-0421	S63*2"F

Female Straight

	M-1-0701	L18*16
	M-1-0702	L20*16
	M-1-0703	L20*18
	M-1-0704	L25*16
	M-1-0705	L25*18
	M-1-0706	L25*20
	M-1-0707	L32*16
	M-1-0708	L32*18
	M-1-0709	L32*20
	M-1-0710	L32*25
	M-1-0711	L40*20
	M-1-0712	L40*25
	M-1-0713	L40*32
	M-1-0714	L50*25
	M-1-0715	L50*32
	M-1-0716	L50*40
	M-1-0717	L63*32
M-1-0718	L63*40	
M-1-0719	L63*50	

Reduced Elbow

Product	Model No.	Spec.
	M-1-0801	L16*1/2*M
	M-1-0802	L16*3/4*M
	M-1-0803	L18*1/2*M
	M-1-0804	L18*3/4*M
	M-1-0805	L20*1/2*M
	M-1-0806	L20*3/4*M
	M-1-0813	L20*1*M
	M-1-0807	L25*1/2*M
	M-1-0808	L25*3/4*M
	M-1-0809	L25*1*M
	M-1-0810	L32*1/2*M
	M-1-0811	L32*3/4*M
M-1-0812	L32*1*M	

Male Elbow

	M-1-0901	L16*1/2*F
	M-1-0902	L16*3/4*F
	M-1-0903	L18*1/2*F
	M-1-0904	L18*3/4*F
	M-1-0905	L20*1/2*F
	M-1-0906	L20*3/4*F
	M-1-0913	L20*1*F
	M-1-0907	L25*1/2*F
	M-1-0908	L25*3/4*F
	M-1-0909	L25*1*F
	M-1-0910	L32*1/2*F
	M-1-0911	L32*3/4*F
M-1-0912	L32*1*F	

Female Elbow

	M-1-1007	L16*1/2*F(A)*50MM
	M-1-1013	L20*1/2*F(A)*50MM
	M-1-1014	L16*1/2*F(A)*180MM
	M-1-1008	L20*1/2*F(A)*180MM
	M-1-1012	L16*3/4*F(A)*180MM
	M-1-1009	L20*3/4*F(A)*180MM
	M-1-1010	L25*3/4*F(A)*180MM
	M-1-1011	L32*1*F(A)*180MM

Wall Plated Extended Elbow

	M-1-1001	L16*1/2*F(A)
	M-1-1002	L16*3/4*F(A)
	M-1-1003	L18*1/2*F(A)
	M-1-1004	L20*1/2*F(A)
	M-1-1006	L20*3/4*F(A)

Wall Plated Elbow

Product	Model No.	Spec.
	M-6-2901	L16*1/2F(a)-100
	M-6-2902	L16*1/2F(a)-150

Shower Brackets With Elbows

	M-1-1101	T1216
	M-1-1102	T1418
	M-1-1103	T1620
	M-1-1104	T2025
	M-1-1105	T2632
	M-1-1106	T3240
	M-1-1107	T4150
	M-1-1108	T5163

Tee

	M-1-1301	T16*1/2*F*16
	M-1-1302	T16*3/4*F*16
	M-1-1303	T18*1/2*F*18
	M-1-1304	T18*3/4*F*18
	M-1-1305	T20*1/2*F*20
	M-1-1306	T20*3/4*F*20
	M-1-1307	T20*1*F*20
	M-1-1308	T25*1/2*F*25
	M-1-1309	T25*3/4*F*25
	M-1-1310	T25*1*F*25
	M-1-1311	T32*1/2*F*32
	M-1-1312	T32*3/4*F*32
	M-1-1313	T32*1*F*32
	M-1-1314	T20*1/2*F*16
	M-1-1316	T40*3/4*F*40
	M-1-1317	T40*1*F*40
	M-1-1318	T40*11/4*F*40
	M-1-1319	T40*11/2*F*40
	M-1-1320	T50*3/4*F*50
	M-1-1321	T50*1*F*50
	M-1-1322	T50*11/4*F*50
	M-1-1323	T50*11/2*F*50
	M-1-1324	T50*2*F*50
	M-1-1325	T63*1*F*63
M-1-1326	T63*11/4*F*63	
M-1-1327	T63*11/2*F*63	
M-1-1328	T63*2*F*63	

Female Tee

Product	Model No.	Spec.
	M-1-1201	T16*18*16
	M-1-1202	T16*20*16
	M-1-1203	T16*25*16
	M-1-1204	T18*16*18
	M-1-1205	T18*20*18
	M-1-1206	T18*25*18
	M-1-1207	T20*16*20
	M-1-1208	T20*18*20
	M-1-1209	T20*25*20
	M-1-1211	T25*16*25
	M-1-1212	T25*18*25
	M-1-1213	T25*20*25
	M-1-1214	T25*32*25
	M-1-1215	T32*16*32
	M-1-1216	T32*18*32
	M-1-1217	T32*20*32
	M-1-1218	T32*25*32
	M-1-1225	T25*16*20
	M-1-1226	T32*20*25
	M-1-1210	T20*16*16
	M-1-1219	T20*20*16
	M-1-1220	T25*25*18
	M-1-1221	T25*25*20
	M-1-1222	T25*18*18
	M-1-1223	T25*20*20
	M-1-1224	T25*16*20
	M-1-1227	T32*20*25
	M-1-1228	T40*16*40
	M-1-1229	T40*20*40
	M-1-1230	T40*25*40
	M-1-1231	T40*32*40
	M-1-1232	T50*20*50
	M-1-1233	T50*25*50
	M-1-1234	T50*32*50
	M-1-1235	T50*40*50
M-1-1236	T63*25*63	
M-1-1237	T63*32*63	
M-1-1238	T63*40*63	
M-1-1239	T63*50*63	

Reduced Tee

Product	Model No.	Spec.	
 Male Union	M-1-1801	H16*1/2	
	M-1-1802	H18*1/2	
	M-1-1803	H20*1/2	
	M-1-1804	H20*3/4	
	M-1-1808	H20*1	
	M-1-1805	H25*1/2	
	M-1-1806	H25*3/4	
	M-1-1809	H25*1	
 Female Union	M-1-0422	H16*1/2"F	
	M-1-0423	H20*1/2"F	
	M-1-0424	H20*3/4"F	
	M-1-0425	H25*3/4"F	
	M-1-0426	H32*1"F	
 Plug	M-1-1901	P16	
	M-1-1902	P18	
	M-1-1903	P20	
	M-1-1904	P25	
	M-1-1905	P32	
 Copper Adaptor	M-1-3001	S16×1/2CuP	
	M-1-3004	S20×3/4CuP	
	M-1-3008	S25×1CuP	
 Adaptor	M-1-3101	S16×1/2CuC	
	M-1-3102	S16×3/4CuC	
	M-1-3104	S20×3/4CuC	
	M-1-3110	S26×3/4CuC	
	M-1-3111	S26×1CuC	
	M-1-3113	S32×1CuC	
 Elbow With Copper Pipe	M-1-3201	L16×15Cu-300	

PRESS FITTINGS(WITHOUT O-RING)



- The products are suitable for connecting parts of fluid pipes. The operating temperature is -20℃ to 110℃ and the operating pressure is $\leq 2.5\text{MPa}$.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosively for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, Steel plastic composite pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.

MINGSHI PRESS FITTINGS(WITHOUT O-RING)

Product	Model No.	Spec.
 Female Swivel Nut	M-13-0101	16x1,8-1/2"
	M-13-0102	32x2,9-1"
 Female Swivel Nut	M-13-0201	25x2,3 - 16x1,8
	M-13-0202	32x2,9 - 25x2,3
 Coupling Threaded Male	M-13-0301	32-1"
 Tee Threaded Female	M-13-0401	16-1/2"-16
	M-13-0402	20-1/2"-20
	M-13-0403	25-3/4"-25
 Backplate Elbow	M-13-0501	16x1,8-1/2"
 Equal Tee	M-13-0601	32x2,9
 Straight Coupling	M-13-0701	32x2,9
 Reduced Tee	M-13-0801	20-16-16
	M-13-0802	25-16-25
	M-13-0803	25-32-25
 90° Elbow Equal	M-13-0901	20x1,9
	M-13-0902	32x2,9

COMPRESSION FITTINGS



- The products are suitable for connecting parts of fluid ducts. The operating temperature is -20°C to 110°C and the operating pressure is $\leq 2.5\text{MPa}$.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosivity for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.



Product	Model No.	Spec.
 <p>Equal Straight</p>	M-2-0101	S16
	M-2-0102	S18
	M-2-0103	S20
	M-2-0104	S25(26)
	M-2-0105	S32
 <p>Reduced Straight</p>	M-2-0201	S18*16
	M-2-0202	S20*16
	M-2-0203	S20*18
	M-2-0204	S25(26)*16
	M-2-0205	S25(26)*18
	M-2-0206	S25(26)*20
	M-2-0207	S32*16
	M-2-0208	S32*18
	M-2-0209	S32*20
	M-2-0210	S32*25(26)
 <p>Male Straight</p>	M-2-0301	S16*1/2"M
	M-2-0302	S16*3/4"M
	M-2-0303	S18*1/2"M
	M-2-0304	S18*3/4"M
	M-2-0307	S20*1/2"M
	M-2-0308	S20*3/4"M
	M-2-0309	S20*1"M
	M-2-0310	S25(26)*1/2"M
	M-2-0311	S25(26)*3/4"M
	M-2-0312	S25(26)*1"M
	M-2-0313	S32*1/2"M
	M-2-0314	S32*3/4"M
M-2-0315	S32*1"M	
M-2-0316	S32*1 1/4"M	
 <p>Female Straight</p>	M-2-0401	S16*1/2"F
	M-2-0402	S16*3/4"F
	M-2-0403	S18*1/2"F
	M-2-0404	S18*3/4"F
	M-2-0405	S20*1/2"F
	M-2-0406	S20*3/4"F
	M-2-0407	S20*1"F
	M-2-0408	S25(26)*1/2"F
	M-2-0409	S25(26)*3/4"F
	M-2-0410	S25(26)*1"F
	M-2-0413	S32*1"F

Product	Model No.	Spec.
 <p>Elbow</p>	M-2-0501	L16
	M-2-0502	L18
	M-2-0503	L20
	M-2-0504	L25(26)
	M-2-0505	L32
 <p>Reduced Elbow</p>	M-2-0603	L20*16
	M-2-0604	L20*18
	M-2-0605	L25(26)*16
	M-2-0606	L25(26)*20
	M-2-0607	L32*16
	M-2-0609	L32*20
	M-2-0610	L32*25(26)
 <p>Male Elbow</p>	M-2-0701	L16*1/2"M
	M-2-0700	L16*3/4"M
	M-2-0702	L18*1/2"M
	M-2-0703	L18*3/4"M
	M-2-0704	L20*1/2"M
	M-2-0705	L20*3/4"M
	M-2-0706	L25(26)*1/2"M
	M-2-0707	L25(26)*3/4"M
	M-2-0708	L25(26)*1"M
	M-2-0709	L32*1"M
 <p>Female Elbow</p>	M-2-0801	L16*1/2"F
	M-2-0802	L16*3/4"F
	M-2-0803	L18*1/2"F
	M-2-0804	L18*3/4"F
	M-2-0805	L20*1/2"F
	M-2-0806	L20*3/4"F
	M-2-0807	L25(26)*1/2"F
	M-2-0808	L25(26)*3/4"F
	M-2-0809	L25(26)*1"F
	M-2-0810	L32*1/2"F
	M-2-0811	L32*3/4"F
	M-2-0812	L32*1"F
	 <p>Wall Plated Elbow</p>	M-2-0901
M-2-0902		L18*1/2"F(A)
M-2-0903		L20*1/2"F(A)
M-2-0904		L20*3/4"F(A)

Product	Model No.	Spec.
 <p>Wall Plated Angle Elbow</p>	M-2-0906	L16*1/2F(A)*16
	M-2-0908	L20*1/2F(A)*20
 <p>Tee</p>	M-2-1001	T16
	M-2-1002	T18
	M-2-1003	T20
	M-2-1004	T25(26)
	M-2-1005	T32
 <p>Cross</p>	M-2-2001	X16
	M-2-2002	X18
	M-2-2003	X20
 <p>Unequal Tee</p>	M-2-1102	T16*20*16
	M-2-1103	T16*25(26)*16
	M-2-1107	T20*16*20
	M-2-1108	T20*18*20
	M-2-1109	T20*25(26)*20
	M-2-1111	T25(26)*16*25(26)
	M-2-1112	T25(26)*18*25(26)
	M-2-1113	T25(26)*20*25(26)
	M-2-1114	T25(26)*32*25(26)
	M-2-1115	T32*16*32
	M-2-1116	T32*18*32
	M-2-1117	T32*20*32
	M-2-1118	T32*25(26)*32
	M-2-1119	T20*16*16
M-2-1120	T20*20*16	
M-2-1121	T25(26)*20*20	
M-2-1122	T25(26)*20*16	
M-2-1123	T25(26)*25(26)*16	
M-2-1125	T25(26)*25(26)*20	
M-2-1126	T32*20*25(26)	

Product	Model No.	Spec.
 <p>Male Tee</p>	M-2-1901	T16*1/2"M*16
	M-2-1902	T20*1/2"M*20
	M-2-1903	T20*3/4"M*20
	M-2-1904	T25(26)*3/4"M*25(26)
	M-2-1905	T25(26)*1"M*25(27)
	M-2-1906	T32*1"M*32
 <p>Female Tee</p>	M-2-1201	T16*1/2"F*16
	M-2-1202	T18*1/2"F*18
	M-2-1203	T18*3/4"*18
	M-2-1204	T20*1/2"F*20
	M-2-1205	T20*3/4"F*20
	M-2-1206	T25(26)*1/2"F*25(26)
	M-2-1207	T25(26)*3/4"F*25(26)
	M-2-1208	T25(26)*1"F*25(26)
	M-2-1209	T32*3/4"F*32
	M-2-1210	T32*1"F*32
 <p>Cap</p>	M-2-1801	D16
	M-2-1802	D18
	M-2-1803	D20
	M-2-1804	D25(26)
	M-2-1805	D32
 <p>Union</p>	M-2-1701	H16*1/2F
	M-2-1702	H16*3/4F
	M-2-1703	H20*1/2F
	M-2-1704	H20*3/4F
	M-2-1705	H25*3/4F
	M-2-1706	H25*1F
 <p>Male And Female Straight For Air Conditioner</p>	M-2-2101	S12*7/16UNF
	M-2-2102	S12*5/8UNF
	M-2-2103	S16*7/16UNF
	M-2-2104	S16*5/8UNF
 <p>Compression Union</p>	M-2-2201	HM26*16
	M-2-2202	HM26*18
	M-2-2203	HM26*20

THREAD FITTINGS



- The products are suitable for connecting parts of fluid ducts. The operating temperature is -20℃ to 110℃ and the operating pressure is ≤ 2.5MPa.
- **Operating Mediums:** Water, unsaturated vapor, compressed air, oil & grease, weak acid, weak alkali and appropriate refrigerants, which should have weak corrosivity for brass.
- **Applicable Pipes:** Aluminum plastic composite pipes, PE-X pipes, PE-RT pipes, PB pipes, etc.
- The standard socket size is suitable for the aluminum plastic composite pipe. If use for other type of pipes, the socket size should match with the pipe wall thickness and the seal ring material should be replaced so that it can be compatible with the medium.



Product	Model No.	Spec.	
 <p>Female Tee</p>	M-3-1010	T1/2	
	M-3-1011	T3/4	
	M-3-1012	T1	
	M-3-1013	T11/4	
	M-3-1014	T11/2	
	M-3-1015	T2	
 <p>Male and Female Straight</p>	M-3-2010	1/2*10mm	
	M-3-2011	1/2*15mm	
	M-3-2012	1/2*20mm	
	M-3-2013	1/2*25mm	
	M-3-2014	1/2*30mm	
	M-3-2015	1/2*40mm	
	M-3-2016	1/2*50mm	
 <p>Reduced Female Straight</p>	M-3-3010	S1/2F*3/8F	
	M-3-3011	S3/4F*1/2F	
	M-3-3012	S1F*1/2F	
	M-3-3013	S1F*3/4F	
	M-3-3014	S11/4F*1/2F	
	M-3-3015	S11/4F*3/4F	
	M-3-3016	S1F*11/4F	
	M-3-3017	S11/2F*1F	
	M-3-3018	S11/2F*11/4F	
	M-3-3019	S2F*1F	
	M-3-3020	S2F*11/4F	
M-3-3021	S2F*11/2F		
 <p>Female Straight</p>	M-3-4010	S1/2F	
	M-3-4011	S3/4F	
	M-3-4012	S1F	
	M-3-4013	S11/4F	
	M-3-4014	S11/2F	
	M-3-4015	S2F	

Product	Model No.	Spec.
 <p>Double Male Straight</p>	M-3-6010	S3/8M*1/4M
	M-3-6011	S1/2M*3/8M
	M-3-6012	S1/2M*1/4M
	M-3-6013	S1/2M*3/4M
	M-3-6014	S1/2M*1M
	M-3-6015	S3/4M*S1M
	M-3-6016	S1/2M*11/4M
	M-3-6017	S1/2M*11/2M
	M-3-6018	S3/4M*11/4M
	M-3-6019	S1M*11/4M
	M-3-6020	S11/2M*3/4M
	M-3-6021	S1M*S11/2M
	M-3-6022	S11/2M*11/4M
	M-3-6023	S2M*1/2M
	M-3-6024	S2M*3/4M
	M-3-6025	S2M*1M
	M-3-6026	S2M*11/4M
M-3-6027	S2M*11/2M	
 <p>Union</p>	M-3-5010	1/2
	M-3-5011	3/4
	M-3-5012	1
	M-3-5013	11/4
	M-3-5014	11/2
	M-3-5015	2
 <p>Bushing</p>	M-3-7010	S3/8M*1/4F
	M-3-7011	S1/2M*1/4F
	M-3-7012	S1/2M*3/8F
	M-3-7013	S3/4M*1/2F
	M-3-7014	S1M*1/2F
	M-3-7015	S1M*3/4F
	M-3-7016	S11/4M*1/2F
	M-3-7017	S11/4M*3/4F
	M-3-7018	S11/4M*1F
	M-3-7019	S11/2M*1/2F
	M-3-7020	S11/2M*3/4F
	M-3-7021	S11/2M*1F
	M-3-7022	S11/2M*11/4F
	M-3-7023	S2M*1/2F
	M-3-7024	S2M*3/4F
M-3-7025	S2M*1F	
M-3-7026	S2M*11/4F	
M-3-7027	S2M*11/2F	

Product	Model No.	Spec.
 <p>Male Straight</p>	M-3-8010	S1/2M
	M-3-8011	S3/4M
	M-3-8012	S1M
	M-3-8013	S1 1/4M
	M-3-8014	S1 1/2M
	M-3-8015	S2M
 <p>Male Cap</p>	M-3-9010	1/2
	M-3-9011	3/4
	M-3-9012	1
	M-3-9013	1 1/4
	M-3-9014	1 1/2
	M-3-9015	2
 <p>Female Cap</p>	M-3-1000	1/2F
	M-3-1001	3/4
	M-3-1002	1F
	M-3-1003	1 1/4F
	M-3-1004	1 1/2F
	M-3-1005	2F
 <p>Male and Female Straight</p>	M-3-1101	S3/8F*1/4M
	M-3-1102	S1/2F*1/4M
	M-3-1103	S1/2F*3/8M
	M-3-1104	S3/4F*1/2M
	M-3-1105	S1F*1/2M
	M-3-1106	S1F*3/4M
	M-3-1107	S1 1/4F*1/2M
	M-3-1108	S1 1/4F*3/4M
 <p>Female Elbow</p>	M-3-1201	1/2F
	M-3-1202	3/4F
	M-3-1203	1F
	M-3-1204	1 1/4F
	M-3-1205	1 1/2F
	M-3-1206	2F

Product	Model No.	Spec.
 <p>Male Tee</p>	M-3-1501	T1/2M*1/2M*1/2M
	M-3-1502	T3/4M*3/4M*3/4M
	M-3-1503	T3/4M*1/2M*3/4M
	M-3-1504	T1M*3/4M*1M
	M-3-1505	T1M*1M*1M
 <p>Male and Female Elbow</p>	M-3-1602	L1/2M*1/2F
	M-3-1603	L3/4M*1/2 F
	M-3-1604	L1M*1 F
	M-3-1605	L1 1/4M*1 1/4F
	M-3-1606	L1 1/2M*1 1/2F
	M-3-1607	L2M*2F
 <p>Wall Plated Angle Tee</p>	M-5-2010	16*1/2F*16*M10
	M-5-2011	20*1/2F*20*M10
	M-5-2012	16*1/2F*20*M10
	M-5-2020	L1/2*1/2F*1/2*M10
 <p>Tee</p>	M-5-2110	116*1/2F*16*M10
	M-5-2111	20*1/2F*20*M10
	M-5-2112	16*1/2F*20*M10
	M-5-2120	1/2*1/2F*1/2*M10
 <p>Male Elbow</p>	M-3-1801	L1/2M*1/2M
	M-3-1802	L3/4M*3/4M
	M-3-1803	L1M*1M
 <p>Male and Female Elbow</p>	M-3-1901	1/2
	M-3-1902	3/4
	M-3-1903	1
	M-3-1904	1 1/4

PP-R FITTINGS



- The fittings are suitable for connecting parts of PP-R pipes. The operating temperature is 0°C to 90°C. The operating pressure is ≤ 2.5 MPa.
- **Applicable Mediums:** Cold and hot water
- **Applicable Pipes:** S5/S4/S3.2/S2.5 series of PP-R pipes and PPR-AL-PPR pipes

Product	Model No.	Spec.
 <p>Straight</p>	M-8-0101	S20
	M-8-0102	S25
	M-8-0103	S32
	M-8-0104	S40
	M-8-0105	S50
	M-8-0106	S63
	M-8-0107	S75
	M-8-0108	S90
	M-8-0109	S110
	M-8-0110	S160

 <p>Reduced Straight</p>	M-8-0201	S25*20
	M-8-0202	S32*20
	M-8-0203	S32*25
	M-8-0204	S40*20
	M-8-0205	S40*25
	M-8-0206	S40*32
	M-8-0207	S50*20
	M-8-0208	S50*25
	M-8-0209	S50*32
	M-8-0210	S50*40
	M-8-0215	S63*20
	M-8-0211	S63*25
	M-8-0212	S63*32
	M-8-0213	S63*40
	M-8-0214	S63*50
	M-8-0216	S75*40
	M-8-0217	S75*50
	M-8-0218	S75*63
	M-8-0219	S90*32
	M-8-0230	S90*40
M-8-0220	S90*50	
M-8-0221	S90*63	
M-8-0222	S90*75	
M-8-0231	S110*25	
M-8-0223	S110*40	
M-8-0224	S110*50	
M-8-0225	S110*63	
M-8-0226	S110*75	
M-8-0227	S110*90	
M-8-0228	S160*90	
M-8-0229	S160*110	

Product	Model No.	Spec.
 Female Straight	M-8-0301	S20*1/2"F
	M-8-0308	S20*3/4"F
	M-8-0302	S25*1/2"F
	M-8-0303	S25*3/4"F
	M-8-0309	S32*1/2"F
	M-8-0310	S32*3/4"F
	M-8-0304	S32*1"F
	M-8-0305	S40*1 1/4"F
	M-8-0306	S50*1 1/2"F
	M-8-0307	S63*2"F

 Straight	M-8-0401	S20*1/2"M
	M-8-0408	S20*3/4"M
	M-8-0402	S25*1/2"M
	M-8-0403	S25*3/4"M
	M-8-0410	S32*1/2"M
	M-8-0411	S32*3/4"M
	M-8-0404	S32*1"M
	M-8-0405	S40*1-1/4"M
	M-8-0406	S50*1-1/2"M
	M-8-0409	S63*1.1/2"M
	M-8-0407	S63*2"M
	M-8-0413	S75*2-1/2"M

 Elbow	M-8-0501	L20
	M-8-0502	L25
	M-8-0503	L32
	M-8-0504	L40
	M-8-0505	L50
	M-8-0506	L63
	M-8-0507	L75
	M-8-0508	L90
	M-8-0509	L110
	M-8-0510	L160

Product	Model No.	Spec.
 Female Elbow	M-8-0601	L20*1/2"F
	M-8-0605	L20*3/4"F
	M-8-0602	L25*1/2"F
	M-8-0603	L25*3/4"F
	M-8-0606	L32*1/2"F
	M-8-0607	L32*3/4"F
	M-8-0604	L32*1"F
	M-8-0608	L40*1.1/4"F
	M-8-0609	L50*1"F
	M-8-0610	L50*1.1/2"F
	M-8-0611	L63*2"F

 Male Elbow	M-8-0701	L20*1/2"M
	M-8-0702	L25*1/2"M
	M-8-0703	L25*3/4"M
	M-8-0706	L32*1/2"M
	M-8-0707	L32*3/4"M
	M-8-0704	L32*1"M
	M-8-0705	L50*1.1/2"M
	M-8-0706	L63*2"M

 Tee	M-8-0801	T20
	M-8-0802	T25
	M-8-0803	T32
	M-8-0804	T40
	M-8-0805	T50
	M-8-0806	T63
	M-8-0807	T75
	M-8-0808	T90
	M-8-0809	T110
	M-8-0810	T160

 Female Tee	M-8-0901	T20*1/2"F
	M-8-0911	T20*3/4"F
	M-8-0902	T25*1/2"F
	M-8-0903	T25*3/4"F
	M-8-0905	T32*1/2"F
	M-8-0906	T32*3/4"F
	M-8-0907	T32*1"F
	M-8-0908	T40*1"F
	M-8-0909	T50*3/4"F
	M-8-0910	T50*1"F

Product	Model No.	Spec.
	M-8-1001	T25*20*25
	M-8-1002	T32*20*32
	M-8-1003	T32*25*32
	M-8-1004	T40*20*40
	M-8-1005	T40*25*40
	M-8-1006	T40*32*40
	M-8-1007	T50*20*50
	M-8-1008	T50*25*50
	M-8-1009	T50*32*50
	M-8-1010	T50*40*50
	M-8-1015	T63*20*63
	M-8-1011	T63*25*63
	M-8-1012	T63*32*63
	M-8-1013	T63*40*63
	M-8-1014	T63*50*63
	M-8-1015	T75*20*75
	M-8-1016	T75*25*75
	M-8-1017	T75*32*75
	M-8-1018	T75*40*75
	M-8-1019	T75*50*75
	M-8-1020	T75*63*75
	M-8-1021	T90*25*90
	M-8-1022	T90*32*90
	M-8-1023	T90*40*90
	M-8-1024	T90*50*90
	M-8-1025	T90*63*90
	M-8-1026	T90*75*90
	M-8-1027	T110*20*110
	M-8-1028	T110*25*110
	M-8-1029	T110*32*110
	M-8-1030	T110*40*110
	M-8-1031	T110*50*110
	M-8-1032	T110*63*110
	M-8-1033	T110*75*110
	M-8-1034	T110*90*110
	M-8-1035	T160*90*160
M-8-1036	T160*110*160	

Reduced Tee

Product	Model No.	Spec.
	M-8-1101	D20
	M-8-1102	D25
	M-8-1103	D32
	M-8-1104	D40
	M-8-1105	D50
	M-8-1106	D63
	M-8-1107	D75
	M-8-1108	D90
	M-8-1109	D110
		M-8-1201
M-8-1202		L25
M-8-1203		L32
M-8-1204		L40
M-8-1205		L50
M-8-1206		L63
M-8-1207		L75
M-8-1208		L90
M-8-1209		L110
	M-8-1301	H20*1/2"M
	M-8-1302	H25*3/4"M
	M-8-1303	H32*1"M
	M-8-1304	H40*1 1/4"M
	M-8-1305	H50*1 1/4"M
	M-8-1306	H50*1 1/2"M
	M-8-1307	H63*2"M
	M-8-1401	D20
	M-8-1402	D25
	M-8-1403	D32
	M-8-1404	D40
	M-8-1405	D50
	M-8-1406	D63
	M-8-1407	D75
	M-8-1408	D90
	M-8-1409	D110

Valves

Elbow

Male Union

Cap

Product	Model No.	Spec.
 <p>Male Tee</p>	M-8-1501	T20*1/2"M
	M-8-1507	T20*3/4"M
	M-8-1502	T25*1/2"M
	M-8-1503	T25*3/4"M
	M-8-1504	T32*1/2"M
	M-8-1505	T32*3/4"M
	M-8-1506	T32*1"M
 <p>Reduced Elbow</p>	M-8-1601	L25*20
	M-8-1604	L32*20
	M-8-1602	L32*25
	M-8-1605	L40*20
	M-8-1603	L40*32
	M-8-1607	L50*25
	M-8-1608	L63*32
	M-8-1609	L63*50
 <p>Wall Plated Elbow</p>	M-8-2301	L20*1/2"F(A)
	M-8-2302	L25*1/2"F(A)
 <p>Bridge</p>	M-8-1701	D20
	M-8-1702	D25
	M-8-1703	D32
 <p>Bridge</p>	M-8-1704	D20
	M-8-1705	D25
	M-8-1706	D32
	M-8-1707	D20
	M-8-1708	D25
	M-8-1709	D32

Product	Model No.	Spec.
 <p>Pipe Plug</p>	M-8-1901	D1/2"M
	M-8-1902	D3/4"M
 <p>Female Union</p>	M-8-2001	H20*1/2"F
	M-8-2002	H25*3/4"F
	M-8-2003	H32*1"F
	M-8-2004	H40*1 1/4"F
	M-8-2005	H50*1 1/4"F
	M-8-2006	H50*1 1/2"F
	M-8-2007	H63*2"F
 <p>Valve</p>	M-8-2101	Q20
	M-8-2102	Q25
	M-8-2103	Q32
	M-8-2104	Q40
	M-8-2105	Q50
	M-8-2106	Q63
 <p>Flange</p>	M-8-1801	D50
	M-8-1802	D63
	M-8-1803	D75
	M-8-1804	D90
	M-8-1805	D110
	M-8-1806	D160

Product	Model No.	Spec.
 <p>Valve</p>	M-8-2201	Q20
	M-8-2202	Q25
	M-8-2203	Q32
	M-8-2204	Q40
 <p>Clamp</p>	M-8-2401	20
	M-8-2402	25
	M-8-2403	32
	M-8-2404	40
 <p>Clamp</p>	M-8-2501	20
	M-8-2502	25
	M-8-2503	32
	M-8-2504	40
 <p>PPR Manifolds</p>	M-8-2601	D20
	M-8-2602	D25
	M-8-2603	D32
	M-8-2604	D40
	M-8-2605	D50
	M-8-2606	D63

PE-X FITTINGS



- The fittings are suitable for connecting parts of PE-X pipes. The operating temperature is -20°C to 95°C. The operating pressure is $\leq 1.0\text{MPa}$.
- **Applicable Mediums:** Cold & hot water, or fluids which are not corrosive to brass.
- **Applicable Pipes:** PE-Xa, PE-Xb, PE-Xc
- The pipe insertion part size and sleeve size should be determined according to the wall thickness of the S6/S5/S4/S3.2 pipe series.

Product	Model No.	Spec.
 <p>Compression Sleeve</p>	M-11-0001	16mm
	M-11-0002	20mm
	M-11-0003	25mm
	M-11-0004	32mm
 <p>Straight Connector</p>	M-11-0101	16mm
	M-11-0103	20mm
	M-11-0104	25mm
	M-11-0105	32mm
 <p>Reduced Connector</p>	M-11-0202	20mm*16mm
	M-11-0204	25mm*16mm
	M-11-0206	25mm*20mm
	M-11-0210	32mm*25mm
 <p>Female Straight Connector</p>	M-11-0401	16*1/2"F
	M-11-0402	16*3/4"F
	M-11-0405	20*1/2"F
	M-11-0406	20*3/4"F
	M-11-0407	20*1"F
	M-11-0408	25*3/4"F
	M-11-0409	25*1"F
	M-11-0410	32*3/4"F
	M-11-0411	32*1"F

Product	Model No.	Spec.
 <p>Male Straight Connector</p>	M-11-0301	16*1/2"M
	M-11-0302	16*3/4"M
	M-11-0307	20*1/2"M
	M-11-0308	20*3/4"M
	M-11-0309	20*1"M
	M-11-0311	25*3/4"M
	M-11-0312	25*1"M
	M-11-0313	32*3/4"M
	M-11-0314	32*1"M
 <p>Equal Elbow</p>	M-11-0501	16mm
	M-11-0502	20mm
	M-11-0504	25mm
	M-11-0505	32mm
 <p>Male Elbow</p>	M-11-0701	16*1/2"M
	M-11-0702	16*3/4"M
	M-11-0704	20*1/2"M
	M-11-0705	20*3/4"M
	M-11-0707	25*3/4"M
	M-11-0708	25*1"M
	M-11-0709	32*3/4"M
	M-11-0710	32*1"M
	 <p>Female Elbow</p>	M-11-0801
M-11-0802		16*3/4"F
M-11-0805		20*1/2"F
M-11-0806		20*3/4"F
M-11-0808		25*3/4"F
M-11-0809		25*1"F
M-11-0810		32*3/4"F
M-11-0811		32*1"F

Product	Model No.	Spec.
 <p>BP Elbow</p>	M-11-1011	16*1/2"-65
	M-11-1012	16*1/2"-90
	M-11-1013	16*1/2"-95
	M-11-1014	16*1/2"-150
	M-11-1015	16*1/2"-200
	M-11-1016	20*3/4"-150
	M-11-1018	20*1/2 - 200
	M-11-1019	20*3/4 - 200

 <p>Equal Tee</p>	M-11-1101	16mm
	M-11-1103	20mm
	M-11-1104	25mm
	M-11-1105	32mm

 <p>Reduced Tee</p>	M-11-1207	20mm*16mm*20mm
	M-11-1213	25mm*20mm*25mm
	M-11-1218	20mm*16mm*16mm
	M-11-1219	20mm*20mm*16mm
	M-11-1220	25mm*25mm*16mm
	M-11-1221	25mm*25mm*20mm
	M-11-1223	25mm*20mm*20mm
	M-11-1224	25mm*20mm*16mm
	M-11-1225	25mm*16mm*20mm
	M-11-1240	32mm*32mm*25mm
	M-11-1241	32mm*25mm*25mm
	M-11-1242	25mm*16mm*16mm

Product	Model No.	Spec.
 <p>Female Lugged Elbow</p>	M-11-0901	16*1/2F"
	M-11-0902	16*3/4F"
	M-11-0904	20*1/2"F
	M-11-0905	20*3/4"F

 <p>Stopper</p>	M-11-1301	16
	M-11-1302	20
	M-11-1303	25
	M-11-1304	32

 <p>Bath/laundry Breech Right Angle</p>	M-11-1501	L16*5/8F(a)-200

 <p>Braizing Tail (internal)</p>	M-11-1601	16mm
	M-11-1602	20mm
	M-11-1603	25mm
	M-11-1604	32mm

 <p>Braizing Tail (external)</p>	M-11-1701	16mm
	M-11-1702	20mm
	M-11-1703	25mm
	M-11-1704	32mm

Product	Model No.	Spec.
 <p>Pex to Copper Adaptor</p>	M-11-1801	S1/2M*1/2CuP
 <p>Shower Breech Right Angle</p>	M-11-1502	L16*5/8F(a)-153
	M-11-1503	L16*5/8F(a)-200
 <p>Shower Breech All Right Angle</p>	M-11-1504	L16*5/8F(a)-200

SLIDING FITTINGS



- The fittings are suitable for connecting parts of PE-X pipes. The operating temperature is -20°C to 95°C. The operating pressure is $\leq 1.0\text{MPa}$.
- **Applicable Mediums:** Cold & hot water, or fluids which are not corrosive to brass.
- **Applicable Pipes:** PE-Xa, PE-Xb, PE-Xc
- The pipe insertion part size and sleeve size should be determined according to the wall thickness of the S6/S5/S4/S3.2 pipe series.

Product	Model No.	Spec.
 <p>Sleeve</p>	M-12-0001	Ø16x1,8
	M-12-0002	Ø20x1,9
	M-12-0003	Ø25x2,3
 <p>Male Coupling</p>	M-12-0101	Ø16x1,8-½"
	M-12-0102	Ø16x1,8-¾"
	M-12-0103	Ø20x1,9-½"
	M-12-0104	Ø20x1,9-¾"
	M-12-0105	Ø16x1,8-¾"
	M-12-0106	Ø25x2,3-¾"
	M-12-0107	Ø25x2,3-1"
 <p>Reduced Straight Coupling</p>	M-12-0201	Ø20x1,9-Ø16x1,8
 <p>Wallplate Elbow</p>	M-12-0301	Ø16x1,8-½"
	M-12-0301	Ø20x1,9-½"

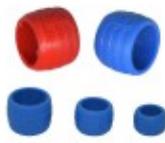
Product	Model No.	Spec.
 <p>Connection Fitting PEX/Cu</p>	M-12-0401	Ø16x1,8-Ø14
	M-12-0402	Ø16x1,8-Ø16
	M-12-0403	Ø20x1,9-Ø18
 <p>Female nut/Straight Coupling</p>	M-12-0501	Ø16x1,8-½"
	M-12-0502	Ø16x1,8-¾"
	M-12-0503	Ø20x1,9-½"
	M-12-0504	Ø20x1,9-¾"
	M-12-0505	Ø25x2,3-¾"
	M-12-0506	Ø16x1,8-¾"
	M-12-0507	Ø25x2,3-1"
	M-12-0508	Ø32x2,9-1"
 <p>Reduced Tee</p>	M-12-0601	Ø16x1,8-Ø20x1,9-Ø16x1,8
	M-12-0602	Ø20x1,9-Ø16x1,8-Ø20x1,9
	M-12-0603	Ø20x1,9-Ø16x1,8-Ø16x1,8
	M-12-0604	Ø20x1,9-Ø20x1,9-Ø16x1,8
 <p>Equal Tee</p>	M-12-0701	Ø16x1,8
	M-12-0702	Ø20x1,9
	M-12-0703	Ø25x2,3
 <p>90° Elbow</p>	M-12-0801	Ø16x1,8
	M-12-0802	Ø20x1,9
	M-12-0803	Ø25x2,3

SLIDING FITTINGS

Product	Model No.	Spec.
 <p>Straight Coupling</p>	M-12-0901	Ø16x1,8
	M-12-0902	Ø20x1,9
	M-12-0903	Ø25x2,3
 <p>90° elbow thread F</p>	M-12-1001	Ø16x1,8-3/8"
	M-12-1002	Ø16x1,8-1/2"
	M-12-1003	Ø20x1,9-1/2"
 <p>90° elbow thread M</p>	M-12-1101	Ø16x1,8-1/2"
	M-12-1102	Ø20x1,9-1/2"
 <p>90° elbow swivel nut</p>	M-12-1201	Ø16x1,8-1/2"
	M-12-1202	Ø20x1,9-1/2"
	M-12-1203	Ø25x2,3-3/4"
 <p>Female coupling</p>	M-12-1301	Ø16x1,8-1/2"
	M-12-1302	Ø20x1,9-1/2"
	M-12-1303	Ø20x1,9-3/4"
	M-12-1304	Ø16x1,8-3/8"
	M-12-1305	Ø25x2,3-3/4"

PPSU FITTINGS



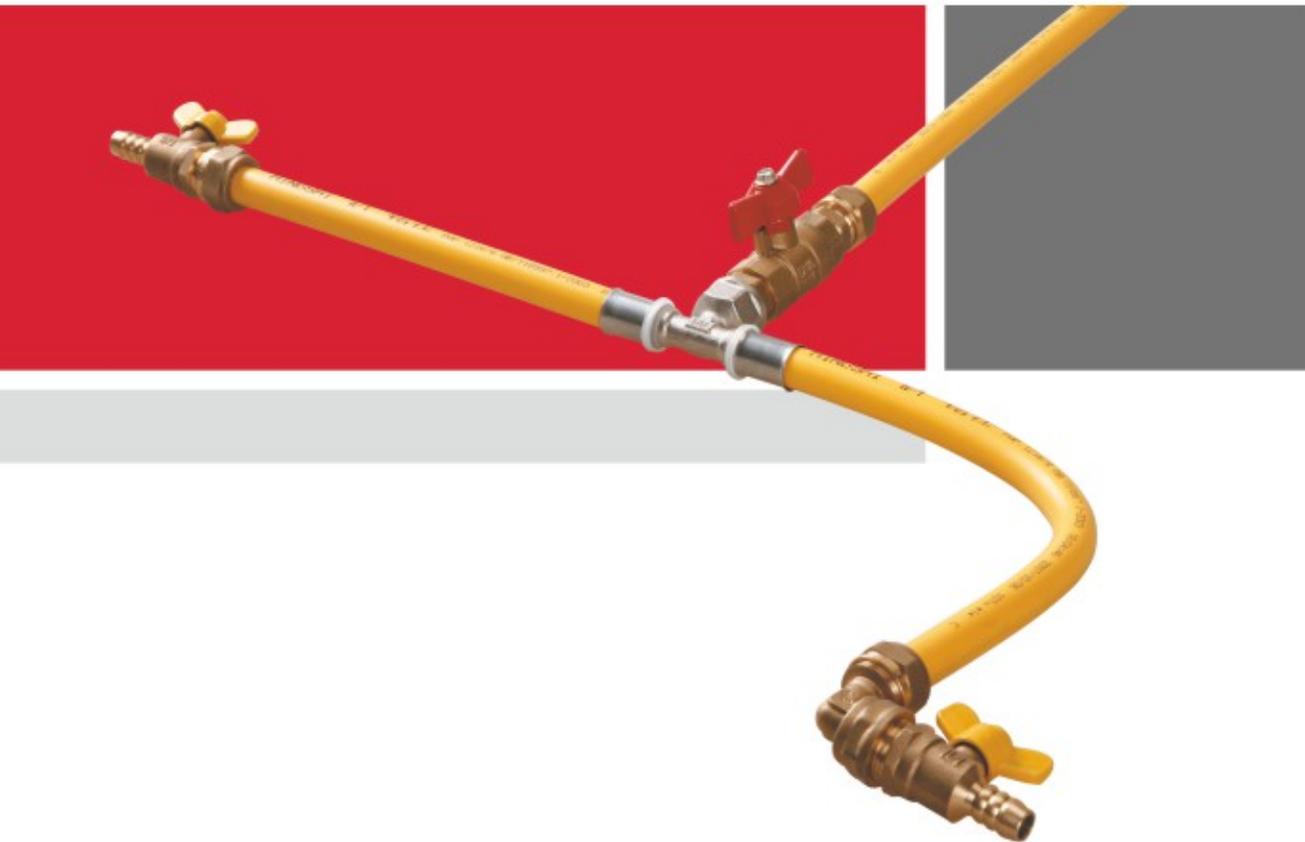
Product	Model No.	Spec.
 <p>Equal Union</p>	MPU.01.1616	16x2.2(2.0) / 16x2.2(2.0)
	MPU.01.2020	20x2.8(2.0) / 20x2.8(2.0)
	MPU.01.2525	25x3.5(2.3) / 25x3.5(2.3)
	MPU.01.3232	32x4.4(2.9) / 32x4.4(2.9)
 <p>Reducing Union</p>	MPU.01.2016	20x2.8(2.0) / 16x2.2(2.0)
	MPU.01.2520	25x3.5(2.3) / 20x2.8(2.0)
	MPU.01.2516	25x3.5(2.3) / 16x2.2(2.0)
	MPU.01.3225	32x4.4(2.9) / 25x3.5(2.3)
 <p>Elbow</p>	MPU.02.1616	16x2.2(2.0) / 16x2.2(2.0)
	MPU.02.2020	20x2.8(2.0) / 20x2.8(2.0)
	MPU.02.2525	25x3.5(2.3) / 25x3.5(2.3)
	MPU.02.3232	32x4.4(2.9) / 32x4.4(2.9)
 <p>Manifold</p>	MPU.04.20201616	20x2.8(2.0) / 20x2.8(2.0) / 16x2.2(2.0) / 16x2.2(2.0)
 <p>Manifold</p>	MPU.05.2520161616	20x2.8(2.0) / 20x2.8(2.0) / 16x2.2(2.0) / 16x2.2(2.0)
 <p>Ring of PE</p>	MPU.05.16	16x2.2(2.0)
	MPU.05.20	20x2.8(2.0)
	MPU.05.25	25x3.5(2.3)
	MPU.05.32	32x4.4(2.9)

Product	Model No.	Spec.
 <p>Equal Tee</p>	MPU.03.161616	16x2.2(2.0) / 16x2.2(2.0) / 16x2.2(2.0)
	MPU.03.202020	20x2.8(2.0) / 20x2.8(2.0) / 20x2.8(2.0)
	MPU.03.252525	25x3.5(2.3) / 25x3.5(2.3) / 25x3.5(2.3)
	MPU.03.323232	32x4.4(2.9) / 32x4.4(2.9) / 32x4.4(2.9)
 <p>Reduced Tee</p>	MPU.03.162016	16x2.2(2.0) / 20x2.8(2.0) / 16x2.2(2.0)
	MPU.03.201616	20x2.8(2.0) / 16x2.2(2.0) / 16x2.2(2.0)
	MPU.03.201620	20x2.8(2.0) / 16x2.2(2.0) / 20x2.8(2.0)
	MPU.03.202016	20x2.8(2.0) / 20x2.8(2.0) / 16x2.2(2.0)
	MPU.03.202520	20x2.8(2.0) / 25x3.5(2.3) / 20x2.8(2.0)
	MPU.03.251616	25x3.5(2.3) / 16x2.2(2.0) / 16x2.2(2.0)
	MPU.03.251620	25x3.5(2.3) / 16x2.2(2.0) / 20x2.8(2.0)
	MPU.03.251625	25x3.5(2.3) / 16x2.2(2.0) / 25x3.5(2.3)
	MPU.03.252016	25x3.5(2.3) / 20x2.8(2.0) / 16x2.2(2.0)
	MPU.03.252020	25x3.5(2.3) / 20x2.8(2.0) / 20x2.8(2.0)
	MPU.03.252025	25x3.5(2.3) / 20x2.8(2.0) / 25x3.5(2.3)
	MPU.03.252520	25x3.5(2.3) / 25x3.5(2.3) / 20x2.8(2.0)
	MPU.03.253225	25x3.5(2.3) / 32x4.4(2.9) / 25x3.5(2.3)
	MPU.03.322025	32x4.4(2.9) / 20x2.8(2.0) / 25x3.5(2.3)
	MPU.03.322032	32x4.4(2.9) / 20x2.8(2.0) / 32x4.4(2.9)
	MPU.03.322520	32x4.4(2.9) / 25x3.5(2.3) / 20x2.8(2.0)
	MPU.03.322525	32x4.4(2.9) / 25x3.5(2.3) / 25x3.5(2.3)
	MPU.03.322532	32x4.4(2.9) / 25x3.5(2.3) / 32x4.4(2.9)

Product	Model No.	Spec.
 <p>Equal Union</p>	MPU.11.1616	16x2 / 16x2
	MPU.11.2020	20x2 / 20x2
	MPU.11.2525	25x2.5 / 25x2.5
	MPU.11.2626	26x3 / 26x3
	MPU.11.3232	32x3 / 32x3
 <p>Reducing Union</p>	MPU.11.2016	20x2 / 16x2
	MPU.11.2516	25x2.5 / 16x2
	MPU.11.2616	26x3 / 16x2
	MPU.11.2520	25x2.5 / 20x2
	MPU.11.2620	26x3 / 20x2
	MPU.11.3220	32x3 / 20x2
	MPU.11.3225	32x3 / 25x2.5
	MPU.11.3226	32x3 / 26x2.6
 <p>Elbow 90°</p>	MPU.12.1616	16x2 / 16x2
	MPU.12.2020	20x2 / 20x2
	MPU.12.2525	25x2.5 / 25x2.5
	MPU.12.2626	26x3 / 26x3
	MPU.12.3232	32x3 / 32x3
 <p>Equal Tee</p>	MPU.13.161616	16x2 / 16x2 / 16x2
	MPU.13.202020	20x2 / 20x2 / 20x2
	MPU.13.252525	25x2.5 / 25x2.5 / 25x2.5
	MPU.13.262626	26x3 / 26x3 / 26x3
	MPU.13.323232	32x3 / 32x3 / 32x3

Product	Model No.	Spec.
 <p>Reduced Tee</p>	MPU.13.162016	16x2 / 20x2 / 16x2
	MPU.13.201616	20x2 / 16x2 / 16x2
	MPU.13.201620	20x2 / 16x2 / 20x2
	MPU.13.202016	20x2 / 20x2 / 16x2
	MPU.13.202520	20x2 / 25x2.5 / 20x2
	MPU.13.202620	20x2 / 26x3 / 20x2
	MPU.13.252016	25x2.5 / 20x2 / 16x2
	MPU.13.251620	25x2.5 / 16x2 / 20x2
	MPU.13.251625	25x2.5 / 16x2 / 25x2.5
	MPU.13.252020	25x2.5 / 20x2 / 20x2
	MPU.13.252025	25x2.5 / 20x2 / 25x2.5
	MPU.13.252520	25x2.5 / 25x2.5 / 20x2
	MPU.13.253225	25x2.5 / 32x3 / 25x2.5
	MPU.13.261620	26x3 / 16x2 / 20x2
	MPU.13.261626	26x3 / 16x2 / 26x3
	MPU.13.262016	26x3 / 20x2 / 16x2
	MPU.13.262020	26x3 / 20x2 / 20x2
	MPU.13.262026	26x3 / 20x2 / 26x3
	MPU.13.262620	26x3 / 26x3 / 20x2
	MPU.13.263226	26x3 / 32x3 / 26x3
	MPU.13.321632	32x3 / 16x2 / 32x3
	MPU.13.322025	32x3 / 20x2 / 25x2.5
	MPU.13.322026	32x3 / 20x2 / 26x3
	MPU.13.322032	32x3 / 20x2 / 32x3
	MPU.13.322525	32x3 / 25x2.5 / 25x2.5
	MPU.13.322532	32x3 / 25x2.5 / 32x3
	MPU.13.322626	32x3 / 26x3 / 26x3
	MPU.13.322632	32x3 / 26x3 / 32x3
MPU.13.323220	32x3 / 32x3 / 20x2	
MPU.13.323225	32x3 / 32x3 / 25x2.5	
MPU.13.323226	32x3 / 32x3 / 26x3	

WATER BALL VALVE SERIES



Compression Valve Q31-16T A

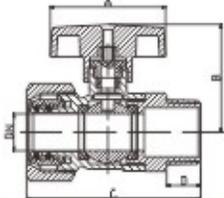
Size	A	B	C	D	DN
Q16	92	40.5	70	25	10
Q18	92	40.5	72	27	10
Q20	92	41.5	74.5	29	12.5
Q25	92	41.5	81.5	36	15
Q32	110	60	92.5	43	20

Female Compression Valve Q11F-16T C

Size	A	B	C	D	DN	S
Q16 × 1/2F	92	42	59	13	10	25
Q18 × 1/2F	92	42	60	13	10	25
Q20 × 1/2F	92	43	58.5	12	12	25
Q20 × 3/4F	92	43	62	13	12	30
Q25 3/4F	92	44	65	13	15	30
Q32 × 1F	110	46	73.5	14	21.5	37

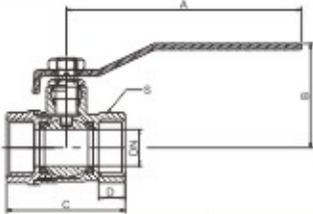
Female Compression Ball Valves

Size	A	B	C	DN	S
Q16*1/2F	50	34.5	56	8	25
Q18*1/2F	50	36	59	9.5	25
Q20*1/2F	50	37	59	11.5	25
Q25*1/2F	50	38	64	15	25

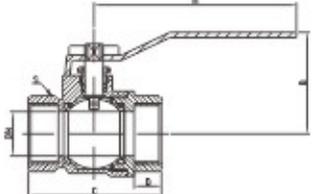
**Male Compression Valve
Q31-16T B**

Size	A	B	C	D	DN
Q16 × 1/2"	47	34.5	62	13	10
Q18 × 1/2"	47	34.5	62	13	10
Q20 × 1/2"	47	39	61.5	13	12.5
Q25 × 3/4"	47	53	73.5	14.5	15

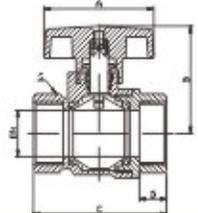
**Double Female Valve
Q11-16T A**

Size	A	B	C	D	DN	S
1/2"	92	47	44.5	10	13.5	24.5
3/4"	92	49.5	52	11	17	30
1"	112	56	64	13	21	37
1 1/4"	112	63	71	13.5	27	47
1 1/2"	125	74	83.5	15	36	53.5
2"	125	82	97	16	45	65

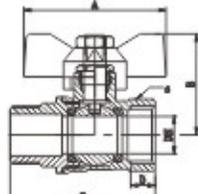
**Double Female Valve
Q11F-20T C**

Size	A	B	C	D	DN	S
1/2"	92	46	51	12.5	13.5	25
3/4"	92	48	58	13.5	19	30
1"	109	63	71.5	17.5	24	38

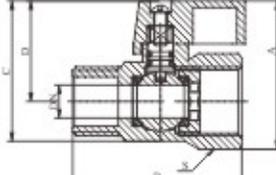
**Double Female Valve
Q11F-20T A**

Size	A	B	C	D	DN	S
1/2"	47	46	51	12.5	13.5	25
3/4"	47	48	58	13.5	19	30
1"	47	63	71.5	17.5	24	38

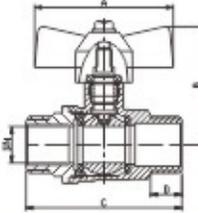
**Male and Female Valve
Q21-16T A**

Size	A	B	C	D	DN	S
1/2"	52	39	53	10	13.5	24.5
3/4"	52	41	60	11	17	30
1"	62	49	73	13	21	37

**Male and Female Valve
Q11FM-16T**

Size	A	B	C	D	DN	S
1/2"	45	52	42.5	30.5	10	26

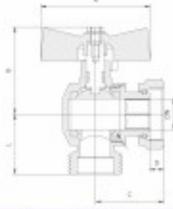



**Double Male Valve
Q21-16T B**

Size	A	B	C	D	DN
Q1/2"M × 1/2"M	53.5	39.5	61	12	13.5
Q1/2"M × 3/4"M	53.5	39.5	62	12	13.5



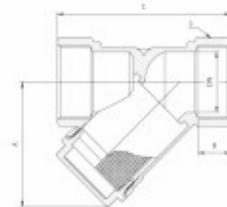
**Male and Female Union Valve
Q21FM-16T**



Size	A	B	C	D	DN	L
1/2"	54	40	33	8	15	29
3/4"	54	40	33	8	15	29



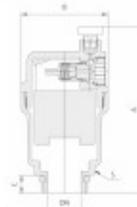
**Filter
Q11-16T E**



Size	A	B	C	D	DN	S
1/2"	42	11	55		15	25
3/4"	49	12.5	69		20	31
1"	53	15	78.5		25	37



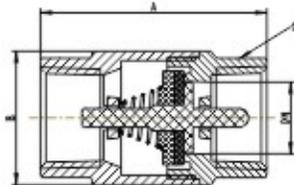
**Automatic Exhausting Valve
Q11-16T D**



Size	A	B	C	D	DN	S
1/2"	74	9.5	8		15	25



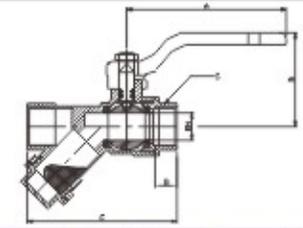
Check Valve



Size	A	B	S	DN
1/2F	49	28.5	24	15



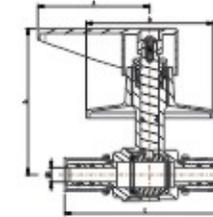
**Filtering Valve
Q11-16T C**



Size	A	B	C	D	DN	S
3/4"	84	46	94	12	19	30.5
1"	92	62	115	15	23	37



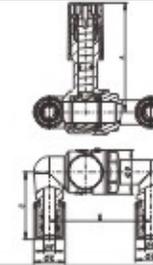
Buried Ball Valves



Size	A	B	C	D	DN
Q16*1/2F	61	78.5	85.5	69	7.8
Q20*1/2F	61	78.5	85.5	69	11.5
Q25*1/2F	61	79.5	108	69	15



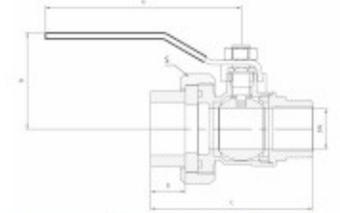
U Type Press Valve



Size	A	B	C	D	E	DN
QU16	72	67.5	44.5	29	21	7.8
QU20	72	67.5	44.5	29	25	11.5
QU25	73	67.5	52.5	31	31	15



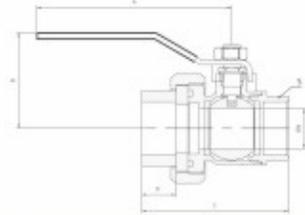
**PP-R Female Valve
Q21-16T D**



Size	A	B	C	D	DN	S
PPr20*1/2M	92	43	76.5	15	15	40
PPr25*3/4M	92	52	84.5	17	19	45
PPr25*1M	92	52	85	17	19	45
PPr32*1M	109	64	93.5	19.5	23	55



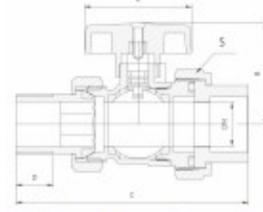
**PP-R Male Valve
Q21-16T E**



Size	A	B	C	D	DN	S
PPr20*1/2F	92	43	68.5	15	15	40
PPr25*3/4F	92	52	75	17	19	45
PPr32*1F	109	64	85.5	19.5	23	55



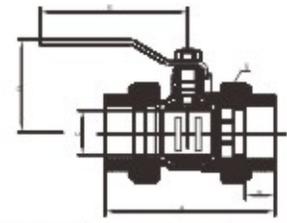
**PP-R Double Union Valve
Q21-16T F**



Size	A	B	C	D	DN	S
PPr20*1/2M	47	44.5	87.5	13	14	40
PPr25*3/4M	47	48	102.5	15	19	45
PPr32*1M	47	51	117	15	23	55



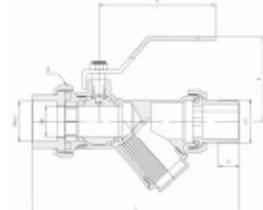
**PP-R Union Valve
Q61F-16T**



Size	A	B	C	D	E	S
Q20	89	15	15	43	92	40
Q25	98.5	17	19	52	92	45
Q32	115.5	19.5	23	64	109	55
Q40	127	22	32	74.5	109	67
Q50	149.5	25	40	85	128	84



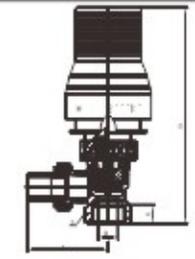
**PP-R Filtering Valve
Q21-16T C**



Size	A	B	C	D	DN	S
PPr32*H1M	103	62	166	15	23	55



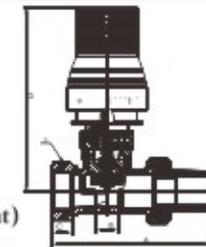
**Automatic Temperature Control Valve (Angle)
J34X-16T A**



Size	A	B	C	D	S
15	52	12	11	124	25
20	56.5	16	15	132	31



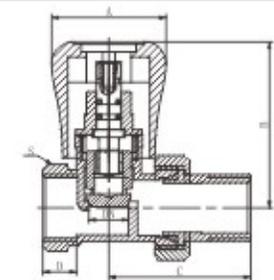
**Automatic Temp Control Valve (Straight)
J31X-16T B**



Size	A	B	C	D	S
15	82	12	11	108	25
20	86.5	16	15	113	31



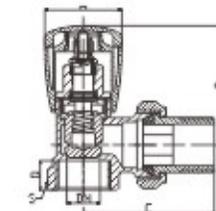
**Temperature Control Valve
Q31-16T C**



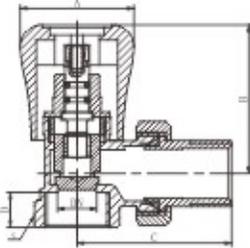
Size	A	B	C	D	DN	S
3/4"	45	71	57	14	16	31
1/2"	39	63	47	11	11	25



**Angle Temperature Valve
J34W-16T**

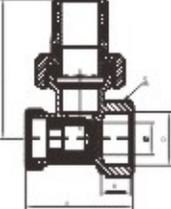


Size	A	B	C	D	DN	S
1/2"	46	60	63	11	11	25
3/4"	45	62	66	13	16	31

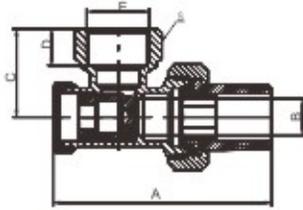
**Angle Temperature Control Valve
T31-16T**

Size	A	B	C	D	DN	S
3/4"	45	65	62	14	16	31
1/2"	39	55	49	11	11	25

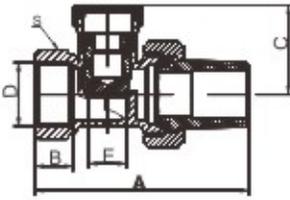
**Return Lock-off Valve (Angle I)
J32W-16T A**

Size	A	B	C	D	E	S
15	41.5	11	12	1/2	51	25
20	52	14	16	3/4	60	31

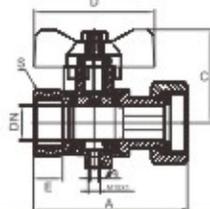
**Return Lock-off Valve (Angle II)
J32W-16T B**

Size	A	B	C	D	E	S
15	68	12	28.5	11	1/2	25
20	81	16	35	14	3/4	31

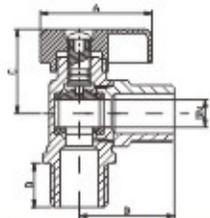
**Return Lock-off Valve (Straight)
J31W-16T**

Size	A	B	C	D	E	S
15	65.5	12	26	1/2	12	25
20	79	14	34	3/4	16	31

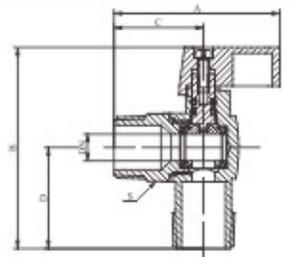
**Temperature Union Valve
Q31F-16T**

Size	A	B	C	D	DN	S
Q1/2"x3/4F	65	39.5	53.5	12.5	13.5	25
Q3/4"x1F	72	43.5	53.5	13	19	31
Q1"x1F	84	50	63	15	23	37

**Temperature Valve
Q24-16T**

Size	A	B	C	D	DN
1/2"*1/2"	38	41.5	37	13	10
1/2"*3/4"	38	41.5	37	13	10

**Angle Type Valve
Q11-16F**

Size	A	B	C	D	DN	S
1/2"	58.5	67	31.5	34	9	22

GAS BALL VALVE SERIES



Gas Ball Valve Series

Mingshi "QF-Q" Series Gas Ball Valves are suitable for switch control in the gas pipelines whose operating mediums are LPG, LNG and so on.



QF-Q11F (16T)
(Gas Ball Valve) NoMSQF030

Product No.	QF-Q11F(16T)
PN	1.6MPa(200psi)
DN	13.5-45mm
Export Connection Type	1/2、3/4、1、1.1/2、2" F
Pressure Test Standard	ISO5208
Suitable Medium	CNG GAS
Surface Processing	Shot blasting or pickling
Body Material	HPh59-1
Working Temperature	-30°C ~ 120°C
Specifications	DN15 ~ DN50



QF-Q11F (25T)
(Gas Ball Valve) NoMSQF031

Product No.	QF-Q11F(25T)
PN	2.5MPa
DN	19-45mm
Export Connection Type	1/2、3/4、1、1.1/2、2" F
Pressure Test Standard	ISO5208
Suitable Medium	CNG GAS
Surface Processing	Shot blasting or pickling
Body Material	HPh59-1
Working Temperature	-30°C ~ 120°C
Specifications	DN20 ~ DN50

	Product No.	QF-Q19(16F)
	PN	1.6MPa(200psi)
	DN	≥ Φ8mm
	Export Connection Type	Direct
	Inlet Connecting Thread	1/2NPT
	Suitable Medium	CNG GAS
	Surface Processing	ot blasting or pickling
	Body Material	HPb59-1
	Working Temperature	-30℃ ~ 120℃
	Specifications	1/2"

QF-Q19 (16M)
(Gas Ball Valve) №MSQF032

	Product No.	QF-Q19(16F)
	PN	1.6MPa(200psi)
	DN	≥ Φ8mm
	Export Connection Type	Direct
	Inlet Connecting Thread	1/2NPT
	Suitable Medium	CNG GAS
	Surface Processing	Shot blasting or pickling
	Body Material	HPb59-1
	Working Temperature	-30℃ ~ 120℃
	Specifications	1/2"

QF-Q19 (16F)
(Gas Ball Valve) №MSQF033

	1/4"(PN40)	PN	4.0MPa
	3/8"(PN40)	DN	8~10
		Export Connection Type	1/4", 3/8" BSP or NPT
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃ ~ 60℃
		Specifications	1/4"~3/8"

Double female Ball Valves

	DN15(PN16)	PN	1.6MPa
	DN20(PN16)	DN	15~20
		Export Connection Type	1/2", 3/4" BSP or NPT
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃ ~ 60℃
		Specifications	1/2"~3/4"

Double female Ball Valves

	DN25(PN25)	PN	2.5MPa
	DN32(PN25)	DN	25~50
	DN40(PN25)	Export Connection Type	1", 1 1/4", 1 1/2", 2" BSP or NPT
	DN50(PN25)	Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃ ~ 60℃
		Specifications	1"~2"

Double female Ball Valves

	Product No.	QF-Q19(16T)
	PN	1.6MPa(200psi)
	DN	≥ Φ8mm
	Export Connection Type	Direct
	Pressure Test Standard	ISO5208
	Suitable Medium	CNG GAS
	Surface Processing	Shot blasting or pickling
	Body Material	HPb59-1
	Working Temperature	-30℃ ~ 120℃
	Specifications	1/2"

QF-Q19 (16T)
(Gas Ball Valve) №MSQF029

 <p>Male-female Ball Valves</p>	DN15(PN16)	PN	1.6MPa
		DN	15
		Export Connection Type	1/2"
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
		Specifications	1/2"

 <p>Angle Ball Valves</p>	QL1/2M	PN	1.6MPa
		Export Connection Type	Direct
		Inlet Connecting Thread	1/2"BSP
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
	Specifications	9.5*1/2	

 <p>Female Compression Ball Valves</p>	16X1/2F	PN	1050KPa
		Export Connection Type	Compression Connection
		Inlet Connecting Thread	1/2"BSP
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
	Specifications	16*1/2NPT or BSP	

 <p>Female Ball Valves</p>	1/2"F-1/2"F	PN	1050KPa
		DN	15
		Export Connection Type	1/2"
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
	Specifications	1/2"	

 <p>Compression Ball Valves</p>	16x16	PN	1050KPa
	18x18	Export Connection Type	Compression Connection
	20x20	Pressure Test Standard	ISO5208
	25x25	Suitable Medium	CNG GAS
	32x32	Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
		Specifications	16

 <p>Compression-Copper Connector</p>	16*1/2"		

 <p>Male-Copper Connector</p>	1/2"		

 <p>Press Ball Valves</p>	16x16	PN	1050KPa
	20X20	Export Connection Type	Press Connection
	25X25	Pressure Test Standard	ISO5208
	32X32	Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	DZR
		Working Temperature	-20℃~60℃
		Specifications	16~32

 <p>Union-Press Ball Valves</p>	20mmX 3/4 F	PN	1050KPa
	25mmX 3/4F	Export Connection Type	Press Connection
		Inlet Connecting Thread	3/4BSP
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
	Specifications	20~25	

 <p>Press Ball Valves</p>	DN16	PN	4.0MPa
	DN20	Export Connection Type	Press Connection
	DN25	Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
		Specifications	16~25

 <p>Male Compression Ball Valves</p>	Q16*1/2M	PN	1050KPa
	Q20*1/2M	DN	15
		Export Connection Type	1/2"
		Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	HPb59-1
		Working Temperature	-20℃~60℃
	Specifications	1/2"	

 <p>Copper Tee connector</p>	T3/8"CuF		

 <p>Female Copper Welding connector</p>	S014F-3/4UNF		

 <p>Male-female union ball valve</p>	Q3/4M-H3/4F	PN	1050KPa
	Q1M-H1F	Export Connection Type	Export Connection Type
		Pressure Test Standard	Pressure Test Standard
		Suitable Medium	Suitable Medium
		Surface Processing	Surface Processing
		Body Material	Body Material
		Working Temperature	Working Temperature
		Specification	Specification

 <p>Double female wall plated ball valve</p>	Q1/2F(A)	PN	1050Kpa
	Q3/4F(A)	Export Connection Type	1/2
	Q1F(A)	Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	Hpb59-1
		Working Temperature	-20℃~60℃
		Specification	1/2"~1"

 <p>Male and female angle ball valve</p>	QL1/2FM	PN	1050Kpa
	QL3/4FM	Export Connection Type	3/4
	QL1FM	Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	Hpb59-1
		Working Temperature	-20℃~60℃
		Specification	1/2"~1"

 <p>Double male angle ball valve</p>	QL1/2M	PN	1050Kpa
	QL3/4M	Export Connection Type	3/4
	QL1M	Pressure Test Standard	ISO5208
		Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	Hpb59-1
		Working Temperature	-20℃~60℃
		Specification	1/2"~1"

 <p>Double press wall plated ball valve</p>	Q16(A)	PN	1050Kpa
	Q20(A)	Export Connection Type	Press Connection
	Q25(A)	Pressure Test Standard	ISO5208
	Q32(A)	Suitable Medium	CNG GAS
		Surface Processing	Customized
		Body Material	Hpb59-1
		Working Temperature	-20℃~60℃
		Specification	16~32

MANIFOLDS



M93 Automatic Compartment Control Type Manifold



Technical Index

- Caliber: D25
- Nominal Pressure: PN10
- Applicable Medium: Water, Air
- Operating Voltage: AC24, 110V, 230V
- Power Consumption: 5W
- Room Temperature Control Range: 5-35°C (±2)
- Whole-Valve Opening Time: 3-5min

Product Features

The product adopts the automatic + manual + energy conservation + weekly program control. Water distributor and water collector are equipped with automatic exhaust valves and drain ball valves. Filter ball valves are installed on water distributor and temperature measurement loose joint ball valves are mounted on water collector. Every branch (area) is furnished with the temperature controller and electrical actuator. Different temperatures can be set. When the room temperature reaches the set temperature, the electrical actuator will be closed. When the room temperature is lower than the set temperature, the electrical actuator will be opened.

- High-density forging brass;
- The branch joint can use the compression simple joint, compression union $\Phi 16$ or $\Phi 20$;
- 2-12 branches can be available;
- The water collector can be equipped with the temperature measurement union ball valve, which is convenient to read the outlet temperature.

M94 Economic Manual Compartment Control Type Manifold



Technical Index

- Caliber: D25
- Nominal Pressure: PN10
- Applicable Medium: Water, Air
- Medium Temperature: 1-110°C (Not more than 35°C)
- Room Temperature Control Range: 5-35°C (± 2)

Product Features

Energy conservation and environment protection water distributor and water collector are equipped with automatic exhaust valves and drain ball valves. On the inlet and outlet positions, the devices can be connected to many kinds of products like filter ball valves, locking side-filter ball valves and ball valves. The upper rod is furnished with the manual adjusting handle to adjust the flow rate and indoor temperature. The lower rod is equipped with the water flow regulator to observe the inflow rate and adjust the flow rate so as to reduce the cost and ensure the comfortable indoor environment.

- High-density forging brass;
- The branch joint can use the compression simple joint, compression union Φ16 or Φ20;
- 2-12 branches can be available;
- The water collector can be equipped with the temperature measurement union ball valve, which is convenient to read the outlet temperature.

Product	Code	Diameter
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Product	Spec.	Spec.
		ZFa1F s S20(16)-2
	ZFa1F s S20(16)-3	ZFa1F s S20(16)-9
	ZFa1F s S20(16)-4	ZFa1F s S20(16)-10
	ZFa1F s S20(16)-5	ZFa1F s S20(16)-11
	ZFa1F s S20(16)-6	ZFa1F s S20(16)-12
	ZFa1F s S20(16)-7	

Manifolds Brass/Stainless Steel

Product	Spec.	Spec.
		ZFa1F s S20(16)-2
	ZFa1F s S20(16)-3	ZFa1F s S20(16)-9
	ZFa1F s S20(16)-4	ZFa1F s S20(16)-10
	ZFa1F s S20(16)-5	ZFa1F s S20(16)-11
	ZFa1F s S20(16)-6	ZFa1F s S20(16)-12
	ZFa1F s S20(16)-7	

Manifolds Brass/Stainless Steel

Product	Spec.	Spec.
		ZFa1F s S20(16)-2
	ZFa1F s S20(16)-3	ZFa1F s S20(16)-9
	ZFa1F s S20(16)-4	ZFa1F s S20(16)-10
	ZFa1F s S20(16)-5	ZFa1F s S20(16)-11
	ZFa1F s S20(16)-6	ZFa1F s S20(16)-12
	ZFa1F s S20(16)-7	

Manifolds Brass/Stainless Steel

Product	Code	Diameter
 <p>Integral Forged Manifolds</p>	Spec.	Spec.
	MAN25F*16-2	MAN25F*20-2
	MAN25F*16-3	MAN25F*20-3
	MAN25F*16-4	MAN25F*20-4
	MAN25F*16-5	MAN25F*20-5
	MAN25F*16-6	MAN25F*20-6
	MAN25F*16-7	MAN25F*20-7
	MAN25F*16-8	MAN25F*20-8
	MAN25F*16-9	MAN25F*20-9
	MAN25F*16-10	MAN25F*20-10

 <p>M101</p>	Stainless steel Manifold-2(Q20B)	
	Stainless steel Manifold-3(Q20B)	
	Stainless steel Manifold-4(Q20B)	
	Stainless steel Manifold-5(Q20B)	
	Stainless steel Manifold-6(Q20B)	
	Stainless steel Manifold-7(Q20B)	
	Stainless steel Manifold-8(Q20B)	
	Stainless steel Manifold-9(Q20B)	
	Stainless steel Manifold-10(Q20B)	
	Stainless steel Manifold-11(Q20B)	
	Stainless steel Manifold-12(Q20B)	

 <p>M102</p>	Stainless steel Manifold-2-F	
	Stainless steel Manifold-3-F	
	Stainless steel Manifold-4-F	
	Stainless steel Manifold-5-F	
	Stainless steel Manifold-6-F	
	Stainless steel Manifold-7-F	
	Stainless steel Manifold-8-F	
	Stainless steel Manifold-9-F	
	Stainless steel Manifold-10-F	
	Stainless steel Manifold-11-F	
	Stainless steel Manifold-12-F	

Product	Code	Diameter
 <p>M103</p>	Stainless steel Manifold-2-M	
	Stainless steel Manifold-3-M	
	Stainless steel Manifold-4-M	
	Stainless steel Manifold-5-M	
	Stainless steel Manifold-6-M	
	Stainless steel Manifold-7-M	
	Stainless steel Manifold-8-M	
	Stainless steel Manifold-9-M	
	Stainless steel Manifold-10-M	
	Stainless steel Manifold-11-M	
	Stainless steel Manifold-12-M	

Product	Code	Diameter
 <p>M104</p>	Spec.	Spec.
	Manifold-2	MF3/4-BM1/2
	Manifold-3	MF3/4-BM1/2
	Manifold-4	MF3/4-BM1/2

Product	Code	Diameter
 <p>M105</p>	Spec.	Spec.
	Manifold-2	MF3/4-BM1/2
	Manifold-3	MF3/4-BM1/2
	Manifold-4	MF3/4-BM1/2

 <p>M91</p>	F3/4FM-Q1/2M-2	
	F3/4FM-Q1/2M-3	
	F3/4FM-Q1/2M-4	
	F1FM-Q1/2M-2	
	F1FM-Q1/2M-3	
	F1FM-Q1/2M-4	

TOOLS



Product	Model No.	Spec.
 <p>Joining Tool</p>	31101	
	31102	
 <p>Expander</p>	31201	
	31202	
 <p>Handy Clamp</p>	30101	16
	30102	18
	30103	20
	30104	16-32
 <p>Hand Clamp</p>	30301	MS-1620A

Product	Model No.	Spec.
 Hand Clamp	30302	MS-1620B
 Hand Clamp	30303	MS-1632A
 Hand Clamp	30304	MS-1632AF
 Hand Clamp	30305	MS-1632B
 Hand Clamp	30306	MS-1632BF

Product	Model No.	Spec.
 Manual Hydraulic Clamp	30201	16-32 (II)
 Manual Hydraulic Clamp	30202	16-63 (I)
 Fusion Machine	32101	20-63
	32102	75-110
 Fusion Machine	32201	20-63
 Inner Spring	30701	16
	30702	18
	30703	20
	30704	25
	30705	32
 Pressure Test Pump	31501	

Product	Model No.	Spec.
 Outer Spring	30801	16
	30802	18
	30803	20
	30804	25
	30805	32
 Pipe Cutter	32501	16-63
 Pipe Shear	30901	16-32
 Pipe Shear	31001	16-32
 Shears	31301	
	31302	

Product	Model No.	Spec.
 Reamer	30401	16
	30402	18
	30403	20
	30404	25
	30405	32
 Reamer	30501	16
	30502	18
	30503	20
	30504	25
	30505	32
	30506	40
	30507	50
	30508	63
 Plastic Reamer	31401	16-20
	31402	20-32
 Rounding Tool	30601	16-32
 Portable Decoiler	32601	

STAINLESS STEEL PIPE & FITTING

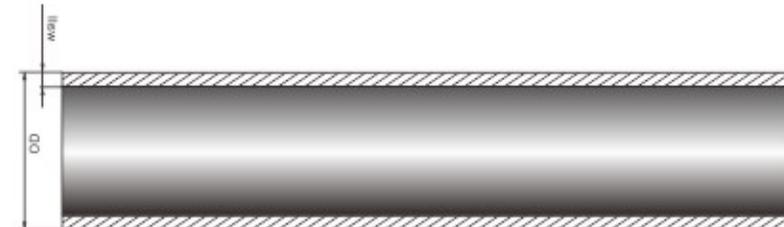
(BS EN 10312:2002)



Stainless Steel Material List											
CHINA (GB)	JAPAN (JIS)	GERMANY (DIN)	AMERICA (ASTM)	CHEMICAL COMPOSITION %							
				C	Si	Mn	P (max)	S (max)	Ni	Cr	Mo
06Cr19Ni10	SUS 304	X5CrNi18-10	ASTM 304	<=0.08	<=0.75	<=2.00	0.04	0.03	8.00-11.00	18.00-20.00	-
022Cr19Ni10	SUS 304L	X2CrNi18-10	ASTM 304L	<=0.035	<=0.75	<=2.00	0.04	0.03	8.00-13.00	18.00-20.00	-
06Cr17Ni12Mo2	SUS 316	X5CrNiMo17-12-2	ASTM 316	<=0.08	<=0.75	<=2.00	0.04	0.03	11.00-14.00	16.00-18.00	2.00-3.00
022Cr17Ni12Mo2	SUS 316L	X2CrNiMo17-12-2	ASTM 316L	<=0.035	<=0.75	<=2.00	0.04	0.03	10.00-15.00	16.00-18.00	2.00-3.00

Carbon Steel Material List									
CHINA (GB)	JAPAN (JIS)	GERMANY (DIN)	AMERICA (ASTM)	CHEMICAL COMPOSITION %					
				Type of Deoxidation	C	Si	Mn	P (max)	S (max)
Q195	SS330	S185	1010	F,Z	0.12	0.30	0.50	0.035	0.040
Q215A	SS330	US134-2	1017	F,Z	0.15	0.35	1.20	0.045	0.050
Q235A	SS400	S235JR	1020	F,Z	0.22	0.35	1.40	0.045	0.050

The Specification of Pipe				
BS EN 10312:2002				
Nominal Size (mm)	OD	Tolerance on D	Wall	Tolerance on D
10	12	±0.10	1.0	±0.10
12	15	±0.10	1.0	±0.10
15	18	±0.10	1.0	±0.10
20	22	±0.11	1.2	±0.10
25	28	±0.14	1.2	±0.10
32	35	±0.18	1.5	±0.10
40	42	±0.21	1.5	±0.10
50	54	±0.32	1.5	±0.10
65	76.1	±0.38	2.0	±0.15
80	88.9	±0.44	2.0	±0.15
100	108.0	±0.54	2.0	±0.15





Insulated SS Tube

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0302081502	15	1.0	15
0302081802	18	1.0	18
0302082202	22	1.2	22
0302082802	28	1.2	28
0302083502	35	1.5	35
0302084202	42	1.5	42
0302085402	54	1.5	54
0302087602	76.1	2.0	76.1
0302088902	88.9	2.0	88.9
0302089802	108	2.0	108



PE Extrusion Coated SS Tube

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0302041502	15	1.0	15
0302041802	18	1.0	18
0302042202	22	1.2	22
0302042802	28	1.2	28
0302043502	35	1.5	35
0302044202	42	1.5	42
0302045402	54	1.5	54
0302047602	76.1	2.0	76.1
0302048902	88.9	2.0	88.9
0302049802	108	2.0	108



PVC Coated SS Tube(Blue)

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0302061502	15	1.0	15
0302061802	18	1.0	18
0302062202	22	1.2	22
0302062802	28	1.2	28
0302063502	35	1.5	35
0302064202	42	1.5	42
0302065402	54	1.5	54
0302067602	76.1	2.0	76.1
0302068902	88.9	2.0	88.9
0302069802	108	2.0	108



PVC Coated SS Tube(Red)

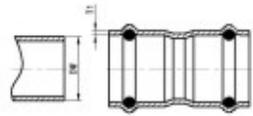
Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0302071502	15	1.0	15
0302071802	18	1.0	18
0302072202	22	1.2	22
0302072802	28	1.2	28
0302073502	35	1.5	35
0302074202	42	1.5	42
0302075402	54	1.5	54
0302077602	76.1	2.0	76.1
0302078902	88.9	2.0	88.9
0302079802	108	2.0	108

STAINLESS STEEL FITTING [V-PRESS]



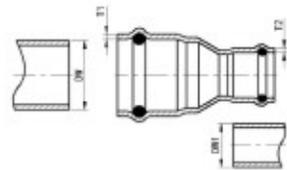
(BS EN 10312:2002)





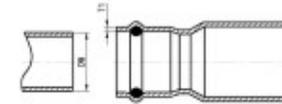
Equal Coupling

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2310151502	15×15	1.3	15
2310181502	18×18	1.5	18
2310221502	22×22	1.5	22
2310281502	28×28	1.5	28
2310351502	35×35	1.5	35
2310421502	42×42	1.5	42
2310541502	54×54	1.5	54
2310761502	76.1×76.1	2.0	76.1
2310891502	88.9×88.9	2.0	88.9
2310981502	108×108	2.0	108



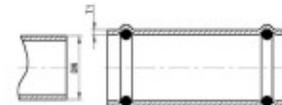
Reduced Coupling

Code	Nominal Size(mm)PxP1xP2	T1 (mm)	DW (mm)	T2 (mm)	DW1 (mm)
2312181502	18×15	1.5	18	1.3	15
2312221502	22×15	1.5	22	1.3	15
2312221802	22×18	1.5	22	1.5	18
2312281502	28×15	1.5	28	1.3	15
2312281802	28×18	1.5	28	1.5	18
2312282202	28×22	1.5	28	1.5	22
2312351502	35×15	1.5	35	1.5	22
2312351802	35×18	1.5	35	2.5	18
2312352202	35×22	1.5	35	3.5	22
2312352802	35×28	1.5	35	1.5	28
2312422202	42×22	1.5	42	1.5	22
2312422802	42×28	1.5	42	1.5	28
2312423502	42×35	1.5	42	1.5	35
2312542202	54×22	1.5	54	1.5	22
2312542802	54×28	1.5	54	1.5	28
2312543502	54×35	1.5	54	1.5	35
2312544202	54×42	1.5	54	1.5	42
2312762202	76.1×22	2.0	76.1	1.5	22
2312762802	76.1×28	2.0	76.1	1.5	28
2312763502	76.1×35	2.0	76.1	1.5	35
2312764202	76.1×42	2.0	76.1	1.5	42
2312765402	76.1×54	2.0	76.1	1.5	54
2312892802	88.9×28	2.0	88.9	1.5	28
2312893502	88.9×35	2.0	88.9	1.5	35
2312894202	88.9×42	2.0	88.9	1.5	42
2312895402	88.9×54	2.0	88.9	1.5	54
2312897602	88.9×76.1	2.0	88.9	2.0	76.1
2312983502	108×35	2.0	108	1.5	35
2312984202	108×42	2.0	108	1.5	42
2312985402	108×54	2.0	108	1.5	54
2312987602	108×76.1	2.0	108	2.0	76.1
2312988902	108×88.9	2.0	108	2.0	88.9



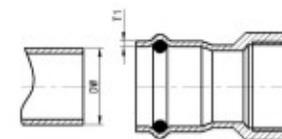
Reduced Adapter with Plain End

Code	Nominal Size(mm)lxP	T1 (mm)	DW (mm)
2311181502	18×15	1.3	15
2311221502	22×15	1.3	15
2311221802	22×18	1.5	18
2311281502	28×15	1.3	15
2311281802	28×18	1.5	18
2311282202	28×22	1.5	22
2311351502	35×15	1.3	15
2311351802	35×18	1.5	18
2311352202	35×22	1.5	22
2311352802	35×28	1.5	28
2311422202	42×22	1.5	22
2311422802	42×28	1.5	28
2311423502	42×35	1.5	35
2311542802	54×28	1.5	28
2311543502	54×35	1.5	35
2311544202	54×42	1.5	42



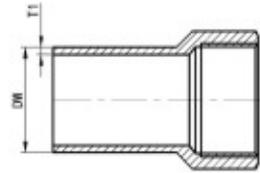
Slip Coupling

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2315151502	15×15	1.3	15
2315181802	18×18	1.5	18
2315222202	22×22	1.5	22
2315282802	28×28	1.5	28
2315353502	35×35	1.5	35
2315424202	42×42	1.5	42
2315545402	54×54	1.5	54
2315767602	76.1×76.1	2.0	76.1
2315898902	88.9×88.9	2.0	88.9
2315989802	108×108	2.0	108



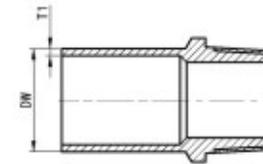
Female Adapter

Code	Nominal Size(mm)PxP	T1 (mm)	DW (mm)
2314158102	15×1/2"	1.3	15
2314188102	18×1/2"	1.5	18
2314188202	18×3/4"	1.5	18
2314228102	22×1/2"	1.5	22
2314228202	22×3/4"	1.5	22
2314288102	28×1/2"	1.5	28
2314288202	28×3/4"	1.5	28
2314288302	28×1"	1.5	28
2314358102	35×1/2"	1.5	35
2314358202	35×3/4"	1.5	35
2314358302	35×1"	1.5	35
2314358402	35×1-1/4"	1.5	35
2314428102	42×1/2"	1.5	42
2314428202	42×3/4"	1.5	42
2314428302	42×1"	1.5	42
2314428402	42×1-1/4"	1.5	42
2314428502	42×1-1/2"	1.5	42
2314548102	54×1/2"	1.5	54
2314548202	54×3/4"	1.5	54
2314548302	54×1"	1.5	54
2314548402	54×1-1/4"	1.5	54
2314548502	54×1-1/2"	1.5	54
2314548602	54×2"	1.5	54



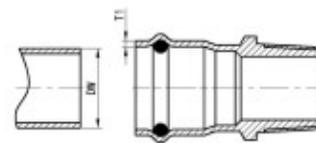
Female Adapter with Plain End

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
2317158102	15×1/2"	1.3	15
2317188102	18×1/2"	1.5	18
2317188202	18×3/4"	1.5	18
2317228102	22×1/2"	1.5	22
2317228202	22×3/4"	1.5	22
2317288102	28×1/2"	1.5	28
2317288202	28×3/4"	1.5	28
2317288302	28×1"	1.5	28
2317358102	35×1/2"	1.5	35
2317358202	35×3/4"	1.5	35
2317358302	35×1"	1.5	35
2317358402	35×1-1/4"	1.5	35
2317428102	42×1/2"	1.5	42
2317428202	42×3/4"	1.5	42
2317428302	42×1"	1.5	42
2317428402	42×1-1/4"	1.5	42
2317428502	42×1-1/2"	1.5	42
2317548102	54×1/2"	1.5	54
2317548202	54×3/4"	1.5	54
2317548302	54×1"	1.5	54
2317548402	54×1-1/4"	1.5	54
2317548502	54×1-1/2"	1.5	54
2317548602	54×2"	1.5	54



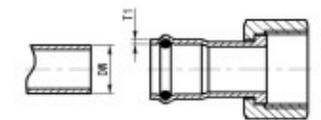
Male Adapter with Plain End

Code	Nominal Size(mm)PxM	T1 (mm)	DW (mm)
2316158102	15×1/2"	1.3	15
2316188102	18×1/2"	1.5	18
2316188202	18×3/4"	1.5	18
2316228102	22×1/2"	1.5	22
2316228202	22×3/4"	1.5	22
2316288102	28×1/2"	1.5	28
2316288202	28×3/4"	1.5	28
2316288302	28×1"	1.5	28
2316358102	35×1/2"	1.5	35
2316358202	35×3/4"	1.5	35
2316358302	35×1"	1.5	35
2316358402	35×1-1/4"	1.5	35
2316428102	42×1/2"	1.5	42
2316428202	42×3/4"	1.5	42
2316428302	42×1"	1.5	42
2316428402	42×1-1/4"	1.5	42
2316428502	42×1-1/2"	1.5	42
2316548102	54×1/2"	1.5	54
2316548202	54×3/4"	1.5	54
2316548302	54×1"	1.5	54
2316548402	54×1-1/4"	1.5	54
2316548502	54×1-1/2"	1.5	54
2316548602	54×2"	1.5	54



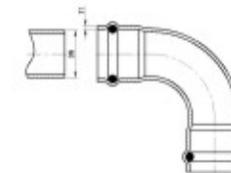
Male Adapter

Code	Nominal Size(mm)PxM	T1 (mm)	DW (mm)
2313158102	15×1/2"	1.3	15
2313188102	18×1/2"	1.5	18
2313188202	18×3/4"	1.5	18
2313228102	22×1/2"	1.5	22
2313228202	22×3/4"	1.5	22
2313288102	28×1/2"	1.5	28
2313288202	28×3/4"	1.5	28
2313288302	28×1"	1.5	28
2313358102	35×1/2"	1.5	35
2313358202	35×3/4"	1.5	35
2313358302	35×1"	1.5	35
2313358402	35×1-1/4"	1.5	35
2313428102	42×1/2"	1.5	42
2313428202	42×3/4"	1.5	42
2313428302	42×1"	1.5	42
2313428402	42×1-1/4"	1.5	42
2313428502	42×1-1/2"	1.5	42
2313548102	54×1/2"	1.5	54
2313548202	54×3/4"	1.5	54
2313548302	54×1"	1.5	54
2313548402	54×1-1/4"	1.5	54
2313548502	54×1-1/2"	1.5	54
2313548602	54×2"	1.5	54



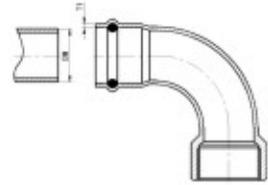
Adapter with Union Nut

Code	Nominal Size(mm)PxN	T1 (mm)	DW (mm)
2352158102	15×1/2"	1.3	15
2352188102	18×1/2"	1.5	18
2352188202	18×3/4"	1.5	18
2352228102	22×1/2"	1.5	22
2352228202	22×3/4"	1.5	22
2352228302	22×1"	1.5	22
2352288302	28×1"	1.5	28
2352358402	35×1-1/4"	1.5	35
2352428502	42×1-1/2"	1.5	42
2352548602	54×2"	1.5	54



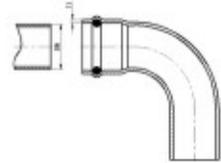
Elbow 90°

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2320151502	15×15	1.3	15
2320181802	18×18	1.5	18
2320222202	22×22	1.5	22
2320282802	28×28	1.5	28
2320353502	35×35	1.5	35
2320424202	42×42	1.5	42
2320545402	54×54	1.5	54
2320767602	76.1×76.1	2.0	76.1
2320888802	88.9×88.9	2.0	88.9
2320989802	108×108	2.0	108



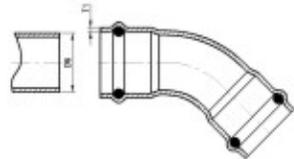
Female Elbow 90°

Code	Nominal Size(mm) PxF	T1 (mm)	DW (mm)
2322158102	15×1/2"	1.3	15
2322188102	18×1/2"	1.5	18
2322188202	18×3/4"	1.5	18
2322228102	22×1/2"	1.5	22
2322228202	22×3/4"	1.5	22
2322288202	28×3/4"	1.5	28
2322288302	28×1"	1.5	28
2322358302	35×1"	1.5	35
2322358402	35×1-1/4"	1.5	35
2322428402	42×1-1/4"	1.5	42
2322428502	42×1-1/2"	1.5	42
2322548502	54×1-1/2"	1.5	54
2322548602	54×2"	1.5	54



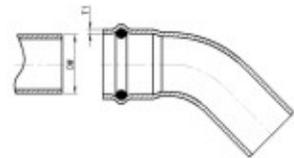
Elbow 90° with Plain End

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2323151502	15	1.3	15
2323181802	18	1.5	18
2323222202	22	1.5	22
2323282802	28	1.5	28
2323353502	35	1.5	35
2323424202	42	1.5	42
2323545402	54	1.5	54
2323767602	76.1	2.0	76.1
2323898902	88.9	2.0	88.9
2323989802	108	2.0	108



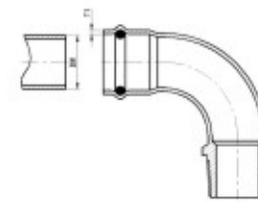
Elbow 45°

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2325151502	15×15	1.3	15
2325181802	18×18	1.5	18
2325222202	22×22	1.5	22
2325282802	28×28	1.5	28
2325353502	35×35	1.5	35
2325424202	42×42	1.5	42
2325545402	54×54	1.5	54
2325767602	76.1×76.1	2.0	76.1
2325898902	88.9×88.9	2.0	88.9
2325989802	108×108	2.0	108



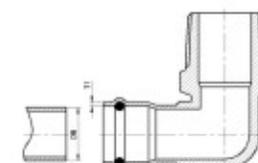
Elbow 45° with Plain End

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2326151502	15	1.3	15
2326181802	18	1.5	18
2326222202	22	1.5	22
2326282802	28	1.5	28
2326353502	35	1.5	35
2326424202	42	1.5	42
2326545402	54	1.5	54
2326767602	76.1	2.0	76.1
2326898902	88.9	2.0	88.9
2326989802	108	2.0	108



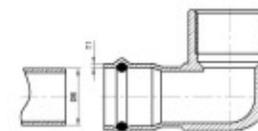
Male Elbow 90°

Code	Nominal Size(mm)PxM	T1 (mm)	DW (mm)
2321158102	15×1/2"	1.3	15
2321188102	18×1/2"	1.5	18
2321188202	18×3/4"	1.5	18
2321228102	22×1/2"	1.5	22
2321228202	22×3/4"	1.5	22
2321288202	28×3/4"	1.5	28
2321288302	28×1"	1.5	28
2321358302	35×1"	1.5	35
2321358402	35×1-1/4"	1.5	35
2321428402	42×1-1/4"	1.5	42
2321428502	42×1-1/2"	1.5	42
2321548502	54×1-1/2"	1.5	54
2321548602	54×2"	1.5	54



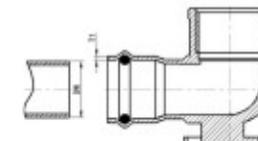
Short Male Elbow 90°

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
2327158102	15×1/2"	1.3	15
2327188102	18×1/2"	1.5	18
2327188202	18×3/4"	1.5	18
2327228102	22×1/2"	1.5	22
2327228202	22×3/4"	1.5	22



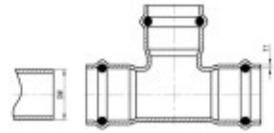
Short Female Elbow 90°

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
2328158102	15×1/2"	1.3	15
2328188102	18×1/2"	1.5	18
2328188202	18×3/4"	1.5	18
2328228102	22×1/2"	1.5	22
2328228202	22×3/4"	1.5	22



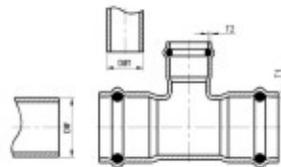
Short Female Elbow 90° with Seat

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
2329158102	15×1/2"	1.3	15
2329188102	18×1/2"	1.5	18
2329188202	18×3/4"	1.5	18
2329228102	22×1/2"	1.5	22
2329228202	22×3/4"	1.5	22



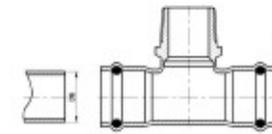
Equal Tee

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2330151502	15×15×15	1.3	15
2330181802	18×18×18	1.5	18
2330222202	22×22×22	1.5	22
2330282802	28×28×28	1.5	28
2330353502	35×35×35	1.5	35
2330424202	42×42×42	1.5	42
2330545402	54×54×54	1.5	54
2330767602	76.1×76.1×76.1	2.0	76.1
2330889802	88.9×88.9×88.9	2.0	88.9
2330989802	108×108×108	2.0	108



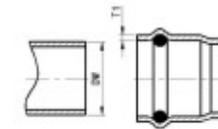
Reduced Tee

Code	Nominal Size (mm)PxPxP	T1 (mm)	DW (mm)	T2 (mm)	DW1 (mm)
2331181502	18×15×18	1.5	18	1.3	15
2331221502	22×15×22	1.5	22	1.3	15
2331221802	22×18×22	1.5	22	1.5	18
2331281502	28×15×28	1.5	28	1.3	15
2331281802	28×18×28	1.5	28	1.5	18
2331282202	28×22×28	1.5	28	1.5	22
2331351502	35×15×35	1.5	35	1.5	15
2331352202	35×22×35	1.5	35	1.5	22
2331352802	35×28×35	1.5	35	1.5	28
2331422202	42×22×42	1.5	42	1.5	22
2331422802	42×28×42	1.5	42	1.5	28
2331423502	42×35×42	1.5	42	1.5	35
2331542202	54×22×54	1.5	54	1.5	22
2331542802	54×28×54	1.5	54	1.5	28
2331543502	54×35×54	1.5	54	1.5	35
2331544202	54×42×54	1.5	54	1.5	42
2331762202	76.1×22×76.1	2.0	76.1	1.5	22
2331762802	76.1×28×76.1	2.0	76.1	1.5	28
2331763502	76.1×35×76.1	2.0	76.1	1.5	35
2331764202	76.1×42×76.1	2.0	76.1	1.5	42
2331765402	76.1×54×76.1	2.0	76.1	1.5	54
2331892802	88.9×28×88.9	2.0	88.9	1.5	28
2331893502	88.9×35×88.9	2.0	88.9	1.5	35
2331894202	88.9×42×88.9	2.0	88.9	1.5	42
2331895402	88.9×54×88.9	2.0	88.9	1.5	54
2331897602	88.9×76.1×88.9	2.0	88.9	2.0	76.1
2331983502	108×35×108	2.0	108	1.5	35
2331984202	108×42×108	2.0	108	1.5	42
2331985402	108×54×108	2.0	108	1.5	54
2331987602	108×76.1×108	2.0	108	2.0	76.1
2331989802	108×88.9×108	2.0	108	2.0	88.9



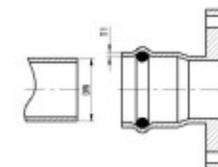
Male Tee

Code	Nominal Size(mm)PxPxP	T1 (mm)	DW (mm)
2333158102	15×1/2"×15	1.3	15
2333188102	18×1/2"×18	1.5	18
2333228102	22×1/2"×22	1.5	22
233328202	22×3/4"×22	1.5	22
2333288102	28×1/2"×28	1.5	28
2333288202	28×3/4"×28	1.5	28
2333288302	28×1"×28	1.5	28
2333358102	35×1/2"×35	1.5	35
2333358202	35×3/4"×35	1.5	35
2333358302	35×1"×35	1.5	35
2333358402	35×1-1/4"×35	1.5	35
2333428102	42×1/2"×42	1.5	42
2333428202	42×3/4"×42	1.5	42
2333428302	42×1"×42	1.5	42
2333428402	42×1-1/4"×42	1.5	42
2333428502	42×1-1/2"×42	1.5	42
2333548102	54×1/2"×54	1.5	54
2333548202	54×3/4"×54	1.5	54
2333548302	54×1"×54	1.5	54
2333548402	54×1-1/4"×54	1.5	54
2333548502	54×1-1/2"×54	1.5	54
2333548602	54×2"×54	1.5	54



Cap

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2360150002	15	1.3	15
2360180002	18	1.5	18
2360220002	22	1.5	22
2360280002	28	1.5	28
2360350002	35	1.5	35
2360420002	42	1.5	42
2360540002	54	1.5	54
2360760002	76.1	2.0	76.1
2360890002	88.9	2.0	88.9
2360980002	108	2.0	108



Flange Adapter

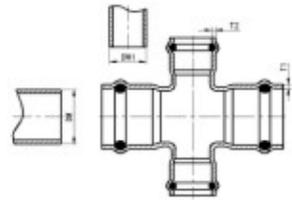
Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2363424202	42	1.5	42
2363545402	54	1.5	54
2363767602	76.1	2.0	76.1
2363898902	88.9	2.0	88.9
2363989802	108	2.0	108



Double Pressed Over-bridge

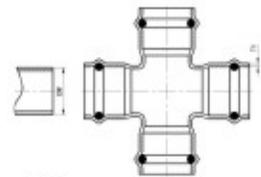
Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2350151502	15×15	1.3	15
2350181802	18×18	1.5	18
2350222202	22×22	1.5	22





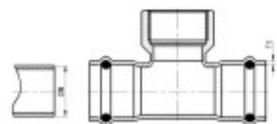
Reduced 4 Ways Cross

Code	Nominal Size (mm)PxPxPxP	T1 (mm)	DW (mm)	T2 (mm)	DW1 (mm)
2341181502	18×15×18×15	1.5	18	1.3	15
2341221502	22×15×22×15	1.5	22	1.3	15
2341221802	22×18×22×18	1.5	22	1.5	18
2341281502	28×15×28×15	1.5	28	1.3	15
2341281802	28×18×28×18	1.5	28	1.5	18
2341282202	28×22×28×22	1.5	28	1.5	22
2341351502	35×15×35×15	1.5	35	1.5	15
2341352202	35×22×35×22	1.5	35	1.5	22
2341352802	35×28×35×28	1.5	35	1.5	28
2341422202	42×22×42×22	1.5	42	1.5	22
2341422802	42×28×42×28	1.5	42	1.5	28
2341423502	42×35×42×35	1.5	42	1.5	35
2341542202	54×22×54×22	1.5	54	1.5	22
2341542802	54×28×54×28	1.5	54	1.5	28
2341543502	54×35×54×35	1.5	54	1.5	35
2341544202	54×42×54×42	1.5	54	1.5	42



Equal Cross

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2340151502	15×15×15×15	1.3	15
2340181802	18×18×18×18	1.5	18
2340222202	22×22×22×22	1.5	22
2340282802	28×28×28×28	1.5	28
2340353502	35×35×35×35	1.5	35
2340424202	42×42×42×42	1.5	42
2340545402	54×54×54×54	1.5	54



Female Tee

Code	Nominal Size(mm)PxPxP	T1 (mm)	DW (mm)
2334158102	15×1/2"×15	1.3	15
2334188102	18×1/2"×18	1.5	18
2334228102	22×1/2"×22	1.5	22
2334228202	22×3/4"×22	1.5	22
2334288102	28×1/2"×28	1.5	28
2334288202	28×3/4"×28	1.5	28
2334288302	28×1"×28	1.5	28
2334358102	35×1/2"×35	1.5	35
2334358202	35×3/4"×35	1.5	35
2334358302	35×1"×35	1.5	35
2334358402	35×1-1/4"×35	1.5	35
2334428102	42×1/2"×42	1.5	42
2334428202	42×3/4"×42	1.5	42
2334428302	42×1"×42	1.5	42
2334428402	42×1-1/4"×42	1.5	42
2334428502	42×1-1/2"×42	1.5	42
2334548102	54×1/2"×54	1.5	54
2334548202	54×3/4"×54	1.5	54
2334548302	54×1"×54	1.5	54
2334548402	54×1-1/4"×54	1.5	54
2334548502	54×1-1/2"×54	1.5	54
2334548602	54×2"×54	1.5	54



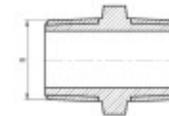
Pressed Overbridge with 1 Plain End

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2351151502	15	1.3	15
2351181802	18	1.5	18
2351222202	22	1.5	22



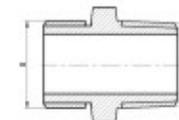
Overbridge with 2 Plain End

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
2371151502	15	1.3	15
2371181802	18	1.5	18
2371222202	22	1.5	22



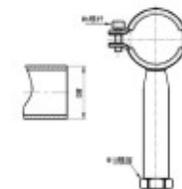
Double Male Straight

Code	Nominal Size(mm)	R (mm)
9364118181	1/2"×1/2"	1/2"
9364118282	3/4"×3/4"	3/4"
9364118383	1"×1"	1"
9364118484	1-1/4"×1-1/4"	1-1/4"
9364118585	1-1/2"×1-1/2"	1-1/2"
9364118686	2"×2"	2"



Double Male Adapter

Code	Nominal Size(mm)	R (mm)	C (mm)
9364118191	1/2"	1/2"	1/2"
9364118292	3/4"	3/4"	3/4"
9364118393	1"	1"	1"
9364118494	1-1/4"	1-1/4"	1-1/4"
9364118595	1-1/2"	1-1/2"	1-1/2"
9364118696	2"	2"	2"

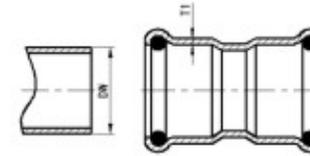


Clips

Code	Nominal Size(mm)	DW (mm)
2373150002	15	15
2373180002	18	18
2373220002	22	22
2373280002	28	28
2373350002	35	35
2373420002	42	42
2373540002	54	54
2373760002	76.1	76.1
2373890002	88.9	88.9
2373980002	108	108

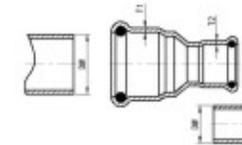
STAINLESS STEEL FITTING [M-PRESS]

(BS EN 10312:2002)



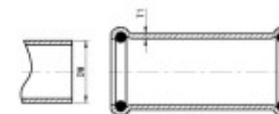
Equal Coupling

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0110151502	15×15	1.3	15
0110181802	18×18	1.5	18
0110222202	22×22	1.5	22
0110282802	28×28	1.5	28
0110353502	35×35	1.5	35
0110424202	42×42	1.5	42
0110545402	54×54	1.5	54
0110767602	76.1×76.1	2.0	76.1
0110898902	88.9×88.9	2.0	88.9
0110989802	108×108	2.0	108



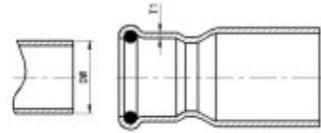
Reduced Coupling

Code	Nominal Size (mm)PxP1xP	T1 (mm)	DW (mm)	T2 (mm)	DW1 (mm)
0112181502	18×15	1.5	18	1.3	15
0112221502	22×15	1.5	22	1.3	15
0112221802	22×18	1.5	22	1.5	18
0112281502	28×15	1.5	28	1.3	15
0112281802	28×18	1.5	28	1.5	18
0112282202	28×22	1.5	28	1.5	22
0112351502	35×15	1.5	35	1.5	22
0112351802	35×18	2.5	35	2.5	18
0112352202	35×22	3.5	35	3.5	22
0112352802	35×28	1.5	35	1.5	28
0112422202	42×22	1.5	42	1.5	22
0112422802	42×28	1.5	42	1.5	28
0112423502	42×35	1.5	42	1.5	35
0112542202	54×22	1.5	54	1.5	22
0112542802	54×28	1.5	54	1.5	28
0112543502	54×35	1.5	54	1.5	35
0112544202	54×42	1.5	54	1.5	42
0112762202	76.1×22	2.0	76.1	1.5	22
0112762802	76.1×28	2.0	76.1	1.5	28
0112763502	76.1×35	2.0	76.1	1.5	35
0112764202	76.1×42	2.0	76.1	1.5	42
0112765402	76.1×54	2.0	76.1	1.5	54
0112892802	88.9×28	2.0	88.9	1.5	28
0112893502	88.9×35	2.0	88.9	1.5	35
0112894202	88.9×42	2.0	88.9	1.5	42
0112895402	88.9×54	2.0	88.9	1.5	54
0112897602	88.9×76.1	2.0	88.9	2.0	76.1
0112983502	108×35	2.0	108	1.5	35
0112984202	108×42	2.0	108	1.5	42
0112985402	108×54	2.0	108	1.5	54
0112987602	108×76.1	2.0	108	2.0	76.1
0112988902	108×88.9	2.0	108	2.0	88.9



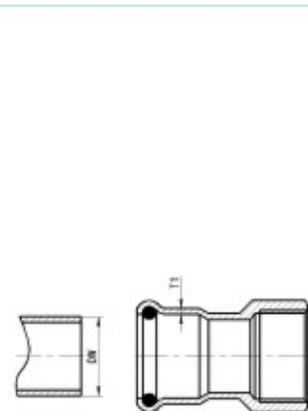
Slip Coupling

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0115151502	15×15	1.3	15
0115181802	18×18	1.5	18
0115222202	22×22	1.5	22
0115282802	28×28	1.5	28
0115353502	35×35	1.5	35
0115424202	42×42	1.5	42
0115545402	54×54	1.5	54
0115767602	76.1×76.1	2.0	76.1
0115898902	88.9×88.9	2.0	88.9
0115989802	108×108	2.0	108



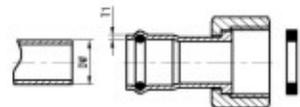
Reduced Adapter with Plain End

Code	Nominal Size(mm)lxP	T1 (mm)	DW (mm)
0111181502	18x15	1.3	15
0111221502	22x15	1.3	15
0111221802	22x18	1.5	18
0111281502	28x15	1.3	15
0111281802	28x18	1.5	18
0111282202	28x22	1.5	28
0111351502	35x15	1.3	15
0111351802	35x18	1.5	18
0111352202	35x22	1.5	22
0111352802	35x28	1.5	28
0111422202	42x22	1.5	22
0111422802	42x28	1.5	28
0111423502	42x35	1.5	35
0111542802	54x28	1.5	28
0111543502	54x35	1.5	35
0111544202	54x42	1.5	42



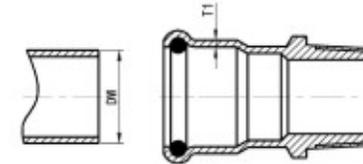
Female Adapter

Code	Nominal Size(mm)PxM	T1 (mm)	DW (mm)
0114158102	15x1/2"	1.3	15
0114188102	18x1/2"	1.5	18
0114188202	18x3/4"	1.5	18
0114228102	22x1/2"	1.5	22
0114228202	22x3/4"	1.5	22
0114288102	28x1/2"	1.5	28
0114288202	28x3/4"	1.5	28
0114288302	28x1"	1.5	28
0114358102	35x1/2"	1.5	35
0114358202	35x3/4"	1.5	35
0114358302	35x1"	1.5	35
0114358402	35x1-1/4"	1.5	35
0114428102	42x1/2"	1.5	42
0114428202	42x3/4"	1.5	42
0114428302	42x1"	1.5	42
0114428402	42x1-1/4"	1.5	42
0114428502	42x1-1/2"	1.5	42
0114548102	54x1/2"	1.5	54
0114548202	54x3/4"	1.5	54
0114548302	54x1"	1.5	54
0114548402	54x1-1/4"	1.5	54
0114548502	54x1-1/2"	1.5	54
0114548602	54x2"	1.5	54



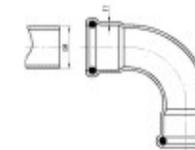
Adapter with Union Nut

Code	Nominal Size(mm)PxN	T1 (mm)	DW (mm)
0152158102	15x1/2"	1.3	15
0152188102	18x1/2"	1.5	18
0152188202	18x3/4"	1.5	18
0152228102	22x1/2"	1.5	22
0152228202	22x3/4"	1.5	22
0152228302	22x1"	1.5	22
0152288302	28x1"	1.5	28
0152358402	35x1-1/4"	1.5	35
0152428502	42x1-1/2"	1.5	42
0152548602	54x2"	1.5	54



Male Adapter

Code	Nominal Size(mm)PxM	T1 (mm)	DW (mm)
0113158102	15x1/2"	1.3	15
0113188102	18x1/2"	1.5	18
0113188202	18x3/4"	1.5	18
0113228102	22x1/2"	1.5	22
0113228202	22x3/4"	1.5	22
0113288102	28x1/2"	1.5	28
0113288202	28x3/4"	1.5	28
0113288302	28x1"	1.5	28
0113358102	35x1/2"	1.5	35
0113358202	35x3/4"	1.5	35
0113358302	35x1"	1.5	35
0113358402	35x1-1/4"	1.5	35
0113428102	42x1/2"	1.5	42
0113428202	42x3/4"	1.5	42
0113428302	42x1"	1.5	42
0113428402	42x1-1/4"	1.5	42
0113428502	42x1-1/2"	1.5	42
0113548102	54x1/2"	1.5	54
0113548202	54x3/4"	1.5	54
0113548302	54x1"	1.5	54
0113548402	54x1-1/4"	1.5	54
0113548502	54x1-1/2"	1.5	54
0113548602	54x2"	1.5	54



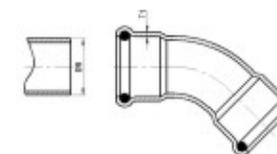
Elbow 90°

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0120151502	15x15	1.3	15
0120181802	18x18	1.5	18
0120222202	22x22	1.5	22
0120282802	28x28	1.5	28
0120353502	35x35	1.5	35
0120424202	42x42	1.5	42
0120545402	54x54	1.5	54
0120767602	76.1x76.1	2.0	76.1
0120888802	88.9x88.9	2.0	88.9
0120989802	108x108	2.0	108



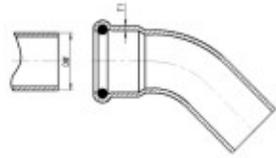
Elbow 90°with Plain End

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0123151502	15	1.3	15
0123181802	18	1.5	18
0123222202	22	1.5	22
0123282802	28	1.5	28
0123353502	35	1.5	35
0123424202	42	1.5	42
0123545402	54	1.5	54
0123767602	76.1	2.0	76.1
0123888802	88.9	2.0	88.9
0123989802	108	2.0	108



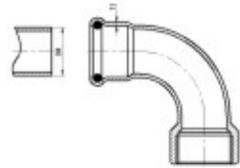
Elbow 45°

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0125151502	15x15	1.3	15
0125181802	18x18	1.5	18
0125222202	22x22	1.5	22
0125282802	28x28	1.5	28
0125353502	35x35	1.5	35
0125424202	42x42	1.5	42
0125545402	54x54	1.5	54
0125767602	76.1x76.1	2.0	76.1
0125888802	88.9x88.9	2.0	88.9
0125989802	108x108	2.0	108



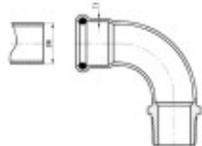
Elbow 45° with Plain End

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0126151502	15	1.3	15
0126181802	18	1.5	18
0126222202	22	1.5	22
0126282802	28	1.5	28
0126353502	35	1.5	35
0126424202	42	1.5	42
0126545402	54	1.5	54
0126767602	76.1	2.0	76.1
0126898902	88.9	2.0	88.9
0126989802	108	2.0	108



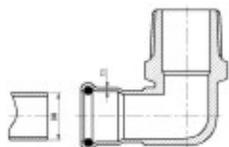
Female Elbow 90°

Code	Nominal Size(mm) PxF	T1 (mm)	DW (mm)
0122158102	15×1/2"	1.3	15
0122188102	18×1/2"	1.5	18
0122188202	18×3/4"	1.5	18
0122228102	22×1/2"	1.5	22
0122228202	22×3/4"	1.5	22
0122288202	28×3/4"	1.5	28
0122288302	28×1"	1.5	28
0122358302	35×1"	1.5	35
0122358402	35×1-1/4"	1.5	35
0122428402	42×1-1/4"	1.5	42
0122428502	42×1-1/2"	1.5	42
0122548502	54×1-1/2"	1.5	54
0122548602	54×2"	1.5	54



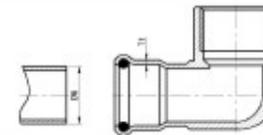
Male Elbow 90°

Code	Nominal Size(mm) P×M	T1 (mm)	DW (mm)
0121158102	15×1/2"	1.3	15
0121188102	18×1/2"	1.5	18
0121188202	18×3/4"	1.5	18
0121228102	22×1/2"	1.5	22
0121228202	22×3/4"	1.5	22
0121288202	28×3/4"	1.5	28
0121288302	28×1"	1.5	28
0121358302	35×1"	1.5	35
0121358402	35×1-1/4"	1.5	35
0121428402	42×1-1/4"	1.5	42
0121428502	42×1-1/2"	1.5	42
0121548502	54×1-1/2"	1.5	54
0121548602	54×2"	1.5	54



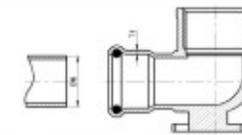
Short Male Elbow 90°

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
0127158102	15×1/2"	1.3	15
0127188102	18×1/2"	1.5	18
0127188202	18×3/4"	1.5	18
0127228102	22×1/2"	1.5	22
0127228202	22×3/4"	1.5	22



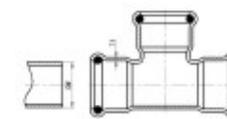
Short Female Elbow 90°

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
0128158102	15×1/2"	1.3	15
0128188102	18×1/2"	1.5	18
0128188202	18×3/4"	1.5	18
0128228102	22×1/2"	1.5	22
0128228202	22×3/4"	1.5	22



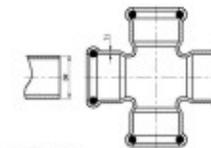
Short Female Elbow 90° with Seat

Code	Nominal Size(mm)PxF	T1 (mm)	DW (mm)
0129158102	15×1/2"	1.3	15
0129188102	18×1/2"	1.5	18
0129188202	18×3/4"	1.5	18
0129228102	22×1/2"	1.5	22
0129228202	22×3/4"	1.5	22



Equal Tee

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0130151502	15×15×15	1.3	15
0130181802	18×18×18	1.5	18
0130222202	22×22×22	1.5	22
0130282802	28×28×28	1.5	28
0130353502	35×35×35	1.5	35
0130424202	42×42×42	1.5	42
0130545402	54×54×54	1.5	54
0130767602	76.1×76.1×76.1	2.0	76.1
0130898902	88.9×88.9×88.9	2.0	88.9
0130989802	108×108×108	2.0	108



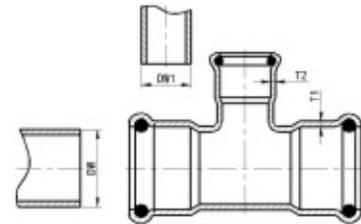
Equal Cross

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0140151502	15×15×15×15	1.3	15
0140181802	18×18×18×18	1.5	18
0140222202	22×22×22×22	1.5	22
0140282802	28×28×28×28	1.5	28
0140353502	35×35×35×35	1.5	35
0140424202	42×42×42×42	1.5	42
0140545402	54×54×54×54	1.5	54



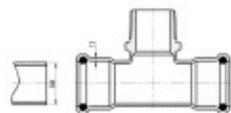
Reduced 4 Ways Cross

Code	Nominal Size (mm)P×P1×P	T1 (mm)	DW (mm)	T2 (mm)	DW1 (mm)
0141181502	18×15×18×15	1.5	18	1.3	15
0141221502	22×15×22×15	1.5	22	1.3	15
0141221802	22×18×22×18	1.5	22	1.5	18
0141281502	28×15×28×15	1.5	28	1.3	15
0141281802	28×18×28×18	1.5	28	1.5	18
0141282202	28×22×28×22	1.5	28	1.5	22
0141351502	35×15×35×15	1.5	35	1.5	15
0141352202	35×22×35×22	1.5	35	1.5	22
0141352802	35×28×35×28	1.5	35	1.5	28
0141422202	42×22×42×22	1.5	42	1.5	22
0141422802	42×28×42×28	1.5	42	1.5	28
0141423502	42×35×42×35	1.5	42	1.5	35
0141542202	54×22×54×22	1.5	54	1.5	22
0141542802	54×28×54×28	1.5	54	1.5	28
0141543502	54×35×54×35	1.5	54	1.5	35
0141544202	54×42×54×42	1.5	54	1.5	42



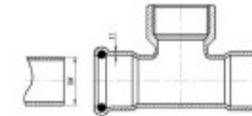
Reducer Tee

Code	Nominal Size (mm)PxPxP	T1 (mm)	DW (mm)	T2 (mm)	DW1 (mm)
0131181502	18x15x18	1.5	18	1.3	15
0131221502	22x15x22	1.5	22	1.3	15
0131221802	22x18x22	1.5	22	1.5	18
0131281502	28x15x28	1.5	28	1.3	15
0131281802	28x18x28	1.5	28	1.5	18
0131282202	28x22x28	1.5	28	1.5	22
0131351502	35x15x35	1.5	35	1.5	15
0131352202	35x22x35	1.5	35	1.5	22
0131352802	35x28x35	1.5	35	1.5	28
0131422202	42x22x42	1.5	42	1.5	22
0131422802	42x28x42	1.5	42	1.5	28
0131423502	42x35x42	1.5	42	1.5	35
0131542202	54x22x54	1.5	54	1.5	22
0131542802	54x28x54	1.5	54	1.5	28
0131543502	54x35x54	1.5	54	1.5	35
0131544202	54x42x54	1.5	54	1.5	42
0131762202	76.1x22x76.1	2.0	76.1	1.5	22
0131762802	76.1x28x76.1	2.0	76.1	1.5	28
0131763502	76.1x35x76.1	2.0	76.1	1.5	35
0131764202	76.1x42x76.1	2.0	76.1	1.5	42
0131765402	76.1x54x76.1	2.0	76.1	1.5	54
0131892802	88.9x28x88.9	2.0	88.9	1.5	28
0131893502	88.9x35x88.9	2.0	88.9	1.5	35
0131894202	88.9x42x88.9	2.0	88.9	1.5	42
0131895402	88.9x54x88.9	2.0	88.9	1.5	54
0131897602	88.9x76.1x88.9	2.0	88.9	2.0	76.1
0131983502	108x35x108	2.0	108	1.5	35
0131984202	108x42x108	2.0	108	1.5	42
0131985402	108x54x108	2.0	108	1.5	54
0131987602	108x76.1x108	2.0	108	2.0	76.1
0131988902	108x88.9x108	2.0	108	2.0	88.9



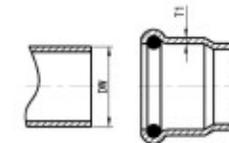
Male Tee

Code	Nominal Size(mm)PxPxP	T1 (mm)	DW (mm)
0133158102	15x1/2"x15	1.3	15
0133188102	18x1/2"x18	1.5	18
0133228102	22x1/2"x22	1.5	22
0133288102	28x1/2"x28	1.5	28
0133288202	28x3/4"x28	1.5	28
0133288302	28x1"x28	1.5	28
0133358102	35x1/2"x35	1.5	35
0133358202	35x3/4"x35	1.5	35
0133358302	35x1"x35	1.5	35
0133358402	35x1-1/4"x35	1.5	35
0133428102	42x1/2"x42	1.5	42
0133428202	42x3/4"x42	1.5	42
0133428302	42x1"x42	1.5	42
0133428402	42x1-1/4"x42	1.5	42
0133428502	42x1-1/2"x42	1.5	42
0133548102	54x1/2"x54	1.5	54
0133548202	54x3/4"x54	1.5	54
0133548302	54x1"x54	1.5	54
0133548402	54x1-1/4"x54	1.5	54
0133548502	54x1-1/2"x54	1.5	54
0133548602	54x2"x54	1.5	54



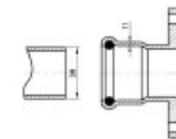
Female Tee

Code	Nominal Size(mm)PxPxP	T1 (mm)	DW (mm)
0134158102	15x1/2"x15	1.3	15
0134188102	18x1/2"x18	1.5	18
0134228102	22x1/2"x22	1.5	22
0134228202	22x3/4"x22	1.5	22
0134288102	28x1/2"x28	1.5	28
0134288202	28x3/4"x28	1.5	28
0134288302	28x1"x28	1.5	28
0134358102	35x1/2"x35	1.5	35
0134358202	35x3/4"x35	1.5	35
0134358302	35x1"x35	1.5	35
0134358402	35x1-1/4"x35	1.5	35
0134428102	42x1/2"x42	1.5	42
0134428202	42x3/4"x42	1.5	42
0134428302	42x1"x42	1.5	42
0134428402	42x1-1/4"x42	1.5	42
0134428502	42x1-1/2"x42	1.5	42
0134548102	54x1/2"x54	1.5	54
0134548202	54x3/4"x54	1.5	54
0134548302	54x1"x54	1.5	54
0134548402	54x1-1/4"x54	1.5	54
0134548502	54x1-1/2"x54	1.5	54
0134548602	54x2"x54	1.5	54



Cap

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0160150002	15	1.3	15
0160180002	18	1.5	18
0160220002	22	1.5	22
0160280002	28	1.5	28
0160350002	35	1.5	35
0160420002	42	1.5	42
0160540002	54	1.5	54
0160760002	76.1	2.0	76.1
0160890002	88.9	2.0	88.9
0160980002	108	2.0	108



Flange Adapter

Code	Nominal Size(mm)	T1 (mm)	DW (mm)
0163424202	42	1.5	42
0163545402	54	1.5	54
0163767602	76.1	2.0	76.1
0163898902	88.9	2.0	88.9
0163989802	108	2.0	108



Battery Press Tool Pressing Jaw

Pipe Fitting Size	DN15-50
Jaw Specifications	DN15、DN20、DN25 DN32、DN40、DN50



Pipe Cutting Knife Blade

Cutting Size	35S 6-35mm 65S 6-65mm
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Electric Hydraulic Press Tools



Battery Press Tool



Pressing Chain



Pressing Chain

Pipe fitting Size	DN15-50
Jaw Specifications	DN15、DN20、DN25 DN32、DN40、DN50



Big Clamp Seat Pressing Chain

Pipe Fitting Size	DN65-100
Big Clamp Seat	DN65-100
Chain Specifications	DN65、DN80、DN100
Oil Tubing Size	4M/6M



Manual Hydraulic Tool



Pressing Jaw Small Clamp Seat Oil Tubing

Pipe fitting Size	DN15-25 DN32-50 DN15-50
Jaw Specifications	DN15、DN20、DN25 DN32、DN40、DN50
Small Clamp Seat	DN15-25
Middle Clamp Seat	DN32-50
Oil Tubing Size	4M/6M



1. Cut the tube



4. Clamp downright the fitting with the tube by press tool



5. Check the finishing by hexagon



2. Remove the burr for smoothing the tube port edge



3. Mark the tube for checking the fitting insertion depth size

