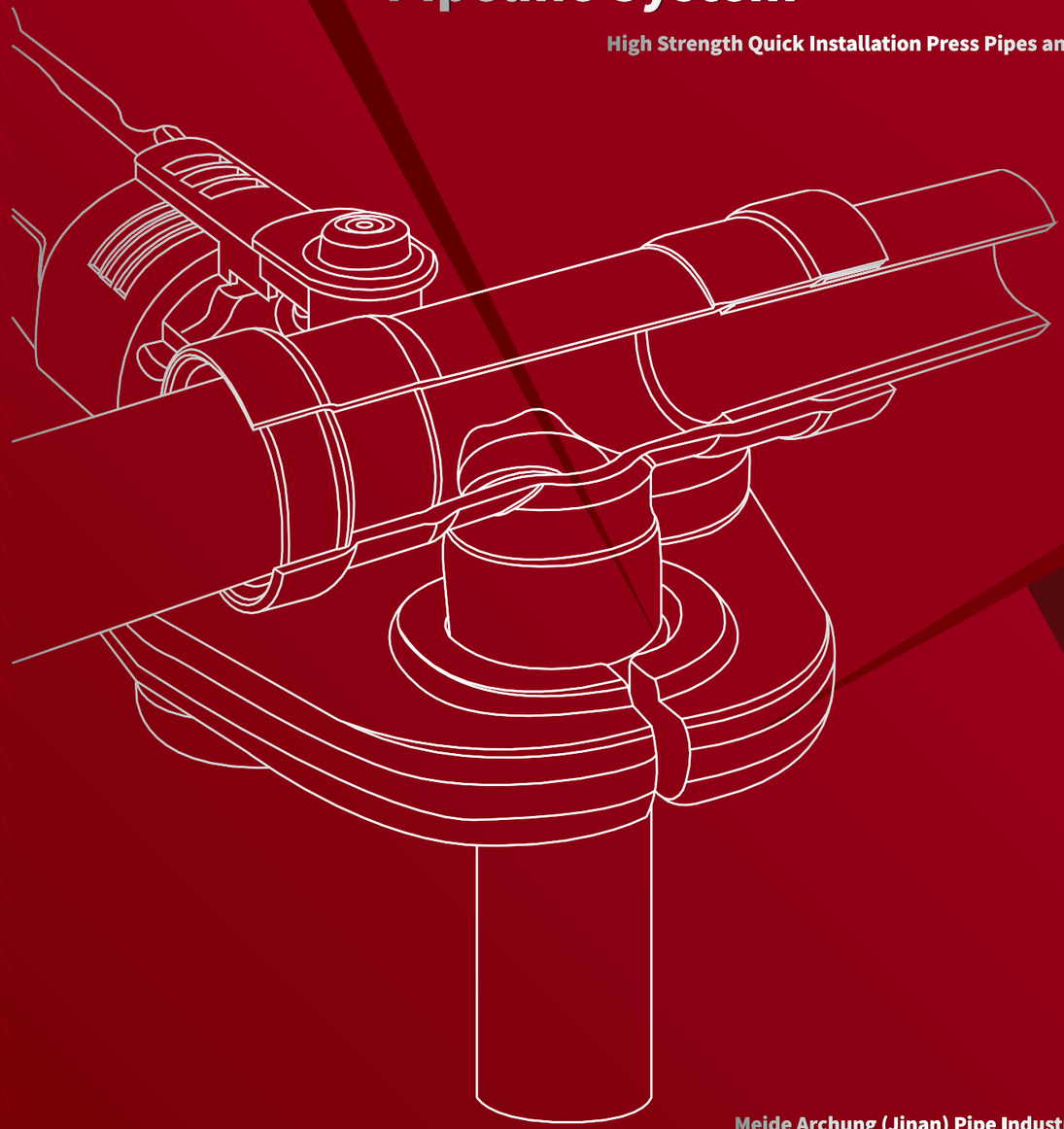
MEIDE GROUP

Specialist of Quick Installation Pipeline System

High Strength Quick Installation Press Pipes and Fittings



Meide Archung (Jinan) Pipe Industry Co., Ltd

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WeChat Official Account

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Meide Archung (Jinan) Pipe Industry Co., Ltd

http://www.meide-casting.com

60+ Years Manufacturing, 130+ Countries Distributed.

The Solution Specialist for Fluid Conveying Industry Across the Globe

CONTENT

COMPANY PROFILE

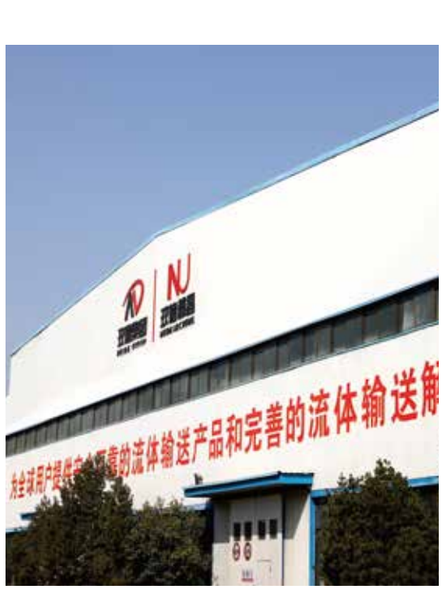
Meide Group

Founded in 1961, Meide Group has developed into a large multinational enterprise group provides fluid conveying and measurement products, electrical power fittings, cast pig iron, grouting sleeve and other products and related technical services, supplemented by equity investment. Mede is the world's leading provider of fluid conveying products. Meide products cover kinds of steel pipe (ERW pipe, carbon steel, stainless steel), valves, malleable pipe fittings, grooved pipe fittings, electrical power fittings, press fittings (material covers stainless steel, carbon steel; press mode covers single press, double presses, grip ring press),flexible hose, seismic support, scaffolding, cast pig iron, etc. Meide has domestic and foreign production bases in Jinan, Linyi, Weihai, Tai 'an, Hebi, Deqing in China, Bangkok in Thailand, Dong Nai in Vietnam, selling more than 130 countries and regions, has formed a cross-regional, multi-base, international development pattern.

Meide Archung Group

Archung is the founder of stainless steel double press technology, is one of the earliest Chinese enterprises engaged in the research and development, production, sales and service of stainless steel pipeline. In 2019, Shenzhen Archung joined into Meide Group and changed its name to Meide Archung Group Co., Ltd. The business covers waterworks, gas, fire protection, HVAC and other industries, providing customers with overall solutions of consulting, design, installation, guidance and service.

ABOUT US



Meide Archung (Jinan) Pipe Industry Co., Ltd

Meide Archung (Jinan) Pipe Industry Co., Ltd. was established in February 2021, and is jointly invested and constructed by Meide Group and Meide Archung Group. The company is committed to products research & development and technological innovation & application of gas, fire and drinking water pipeline systems. And Archung has introduced advanced pipe press connection technology. The company has successively passed the certification of quality management system, environmental management system and occupational health and safety management system. The company has been committed to the research & development of product technology, and has obtained 4 Chinese patents such as "Line Sealing Press Connection Technology" and "Double-layer Anti-corrosion Technology", and a PCT international patent "Composite Extruded Grip Ring Technology". The three series of products have successively obtained multi-national certifications such as NSF, UL, FM, UPC, CRN, DVGW and so on. The company has successively introduced more than 200 sets of automatic production lines and automatic equipment, with an annual output value of 8 billion RMB.

Mech brand products are widely used in landmark buildings and projects such as Burj Khalifa in Dubai, New World Trade Center in New York, Shanghai Tower, Beijing National Stadium, Marina Bay Sands Hotel in Singapore, UHV transmission lines and Beijing-Shanghai high-speed rail in China.

Meide holds the spirit of hard working, pioneering ahead, self-challenging, succeed in innovation, the core value of customer oriented, quality focused, thriving through innovations, achieving win-win through cooperation, keeping advancing on the way to to provide safe and reliable products and complete solutions for clients in fluid conveying industry across the globe.

Quick Installation Pipeline System Solution

Carbon Steel Single Press Fitting Solution

DN50 and below - carbon steel pipe and carbon steel fitting

Single press connection instead of traditional threaded connection, It only takes seven seconds to press one spot, Installation efficiency increased by more than three times. The products with coating inside and outside, Lightweight, beautiful, corrosion-resistant, maintenance-free, energy-saving and carbon-reducing, and comprehensively improve the appearance of fire pipeline, is becoming more and more popular among the majority of users.

DN65 and above -galvanized steel pipe and quick-installation coupling

Gasket ring with self-lubricating design, easier installation, self sealing structure, reliable sealing.grooved connection instead of traditional threaded and welding connection, Push-in free disassembly quick-installation coupling, can achieve fast installation. The efficiency can be increased by 50% than no-quick-installation coupling.

Stainless Steel Press Fitting Solution

DN15-100 ---stainless pipes and fittings

Different connection method, such as single press, double press and grip press. Anti-corrosion, fast installation. “Technical regulations for pipeline direct drinking water system” &”Technical regulations for pipeline direct drinking water system in buildings and residential areas” and so on stipulate that water supply system must use brass or stainless steel pipe to assure water quality.

Ring Press Fitting Solution

DN15-100 --galvanized steel pipe and grip ring press fitting

Grip Ring Press Fitting connect with normal steel pipe, The outside of grip ring is covered with rubber, protect the ring body and the connecting pipe wall at the cut point, isolate the fittings inside the socket end from the outside world, keep the impurity ,air and moisture out. The bearing pressure is more than 10Mpa.

Quick type Bridge

Quick type bridge

Integrated design, reduce the usage of pipe fittings, save labor, beautiful appearance; it can replace a variety of products combined installation to save material. Forming with one single steel tube, reduce the risk of leakage and more safer.

Sprinkler Head Fast Installation Solution

Fire flexible hoses

Fire hose connection, precise positioning, the height can be adjusted arbitrarily. Better control than traditional hard pipe installation on length and height adjustment, Avoid repeated construction waste due to inaccurate dimensional measurements of traditional hard pipes. It has obvious advantages such as durable material, easy installation, accurate positioning, safety and reliability, and shortened construction period, and is widely used.

APPLICATION FIELD

The Carbon steel press fitting, Stainless steel single press fitting and Grip Ring press fitting we produced are widely used in fire protection & water supply & gas field. Carbon steel press inner and outer coated pipeline products for fire protection are with features of safe and reliable, green and environmental protection, fast installation, light and beautiful, corrosion resistance, maintenance free, are more and more recognized by customers. They are widely used in large transportation hub, large commercial complex, factories, hospitals, schools, residential buildings. Carbon steel grip ring press fitting for fire protection can bear pressure of more than 10Mpa, because of this character, this product is usually used in large transportation hub, five-star hotel, high-end precision electronic factory, large library and other high-end buildings.

Industrial Factory Building

Industrial factory building and logistics warehouses have prominent characters -- harsh operating conditions and diversified product storage. Therefore, it is necessary to choose safe and reliable fire protection products with stable performance. MECH fire protection pipeline system products have high anti-corrosion, can meet the industrial processing environment of chemical, petroleum and others.etroleum and others.

Transportation Hub

Airports, high-speed railway stations, passenger terminals and subway stations, as places of people movement and gathering. They have strict requirements for stability and reliability of product performance. And unique connection technology ensures reliable use in high frequency vibration environments.

MECH fire protection pipeline system products have passed through dozens of kilogram pull out test, thousands of hours of salt spray test, hundreds of thousands of times of vibration pressure test, the overall performance is good, fully meet the requirements of transportation hub working environment..

Housing Construction

Commonly used in residential public areas and underground parking garage fire sprinkler system.

because of the service environment of underground parking garage, traditional galvanized fire products are easy to be corroded. It need to carry out secondary maintenance protection within 3-5 years, and the service life is short.

Large Commercial Complex

Green, environmental protection and high cost-effective are important considerations in the construction of modern commercial complex. Light pipe to save raw materials, no painting on site, no welding smoke, no oil contamination on site, Carbon neutral and carbon compliance, can meet the requirement of green building.

The feature free maintenance and long service life of MECH fire protection pipeline system products greatly reduces the later operation and maintenance cost of Commercial Complex, and the extra strong anti-corrosion performance ensures the reliable operation of the fire sprinkler system.

Cultural, Educational and Health Buildings

Cultural, educational and health buildings have a high requirement in environment protection and health performance of products, and the construction period requirement is strict when renovation.

MECH fire protection pipeline system products are environment protection and health, the quick installation technology, there is no electric wire, no open flame, no welding on site, working space is not limited,can meet the requirements of Cultural, Educational and Health building office environment.

STANDARD APPROVED

GB/T 27891-2011
‘Carbon Steel Press-fittings’

20S206
‘Automatic sprinkler device installation picture album’

CJ/T 433-2013
‘Press Connection Carbon Steel Pipes and Fittings’

Press connection style DN20-DN50, the matched pipe thickness is 1.5mm, DN65—DN100, the matched pipe thickness is 2.0mm.matched pipe thickness is 2.0mm.

GB 50974-2014
‘Technical specification for Fire Protection Water Supply and Fire Hydrant Systems’

T/CFPA
‘Press Connection style Pre-Coated Carbon Steel Pipes and Fittings for Fire Protection’

T_CECS618-2019
‘Technical Specification for Press Connection style Carbon Steel Pipelines’

The connection of overhead pipelines should adopt grooved(coupling), threads, flanges, press, etc., the welding connection is not suitable. When the pipe diameter is less than or equal to DN50, thread and press connection should be used. When the pipe diameter is greater than DN50, grooved and flange connections should be used. When the installation space is limited, grooved connection should be used.

POLICY SUPPORT

Specification Technology Guidance

Chapter I General Provisions, Article 7, Fire Prevention Law of The People’ s Republic of China (2019): The state shall encourage and support the scientific research and technical innovations on fire protection, popularize the use of advanced fire protection and emergency response and rescue technologies and equipments, and encourage and support the social forces to carry out public service activities on fire protection.
1.0.3, General Provisions, design specifications of automatic sprinkler systems (GB50084-2017).The design of the automatic sprinkler system shall closely integrate the functions of protection objects and fire characteristics, and actively adopt new technologies, new equipments, and new materials, so to be safe, reliable, technologically advanced, economical and reasonable.

Government Advocacy

Press connection pre-coated carbon steel pipes and fittings have obvious advantages such as safety, reliability, environmentally friendly, quick installation, lightness and beauty, and more and more recognized by the majority of users. As the forefront of China's reform and opening-up policy, Shenzhen has taken a solid first step in promoting building energy conservation and carbon reduction. Shenzhen Guangming District Housing and Construction Bureau issued the "Letter on carrying out Smart Upgrade of Fire Protection for the Demolition and Resettlement Housing Project of Guangming Science City ". It clearly requires " In-depth study of the comparative advantages such as lightness, beauty, corrosion resistance, and maintenance-free of press-type low-carbon steel composite pipes coated inside and outside, giving priority to the use of new type pipes, further promoting energy conservation and carbon reduction in buildings, comprehensively improving the appearance of fire-fighting pipes, and forming a demonstration effect as soon as possible.”

PRESS CONNECTION

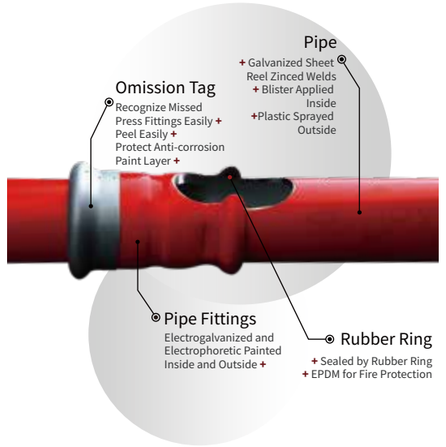
Press Fitting Pipe VS Traditional Pipe

	Installation Efficiency	Tools and Accessories	Anti-corrosion	Connection Performance	Site Construction	Skill Needs
Thread Fitting	Low	Too Much Tools and Accessories	Paint for Times and Periodically	Easy to Leak	Saftey Hazards for Open Flame Welding. Threading Pipe Complex and Complicated.	Experienced Worker
Press Fitting	High	Convenient Clamping Tool One Step Installation	Double Anticorrosion and Maintenance Free for 30 years	No Leakage	Light and Convenient and One time Molding	Simple Training and Easy On-the -job

The installation efficiency is improved by more than 3 times!

SAFE AND RELIABLE

Bearing High Pressure, Double Layers Anti-corrosion, Four Patents.



Safe Products

- Line Seal Press Technology、Hexagon Press Jaws、Rubber Ring Sealed 、Double Anti-corrosion Layers.

Safe Usage

- Omission tag help protect the press position from damage and miss press(Leak Proof Identification; Protect the press position from damage, corrosion resistance. Easy tear line for convenient installation. Safety in construction,Pressing Jaw Failure Identification Technology; Independent research and development of the testing tool to detect the wear degree of the jaws; Avoid pipeline safety problems caused by clamping tool failure.

Safe Installation

- No need to pull the temporary electrical, To assure the construction safety on site.

QUICK INSTALLATION

The installation efficiency of press connection is improved by more than 3 times compared with traditional connection.

Traditional Connection **VS** Press Connection

The installation efficiency is improved by more than 3 times

- No need for on-site threading, no need for multiple-times adjustment, No need to wrap thread sealing tape;
No on-site painting, no on-site welding, and unlimited working space.

ENVIRONMENTALLY FRIENDLY

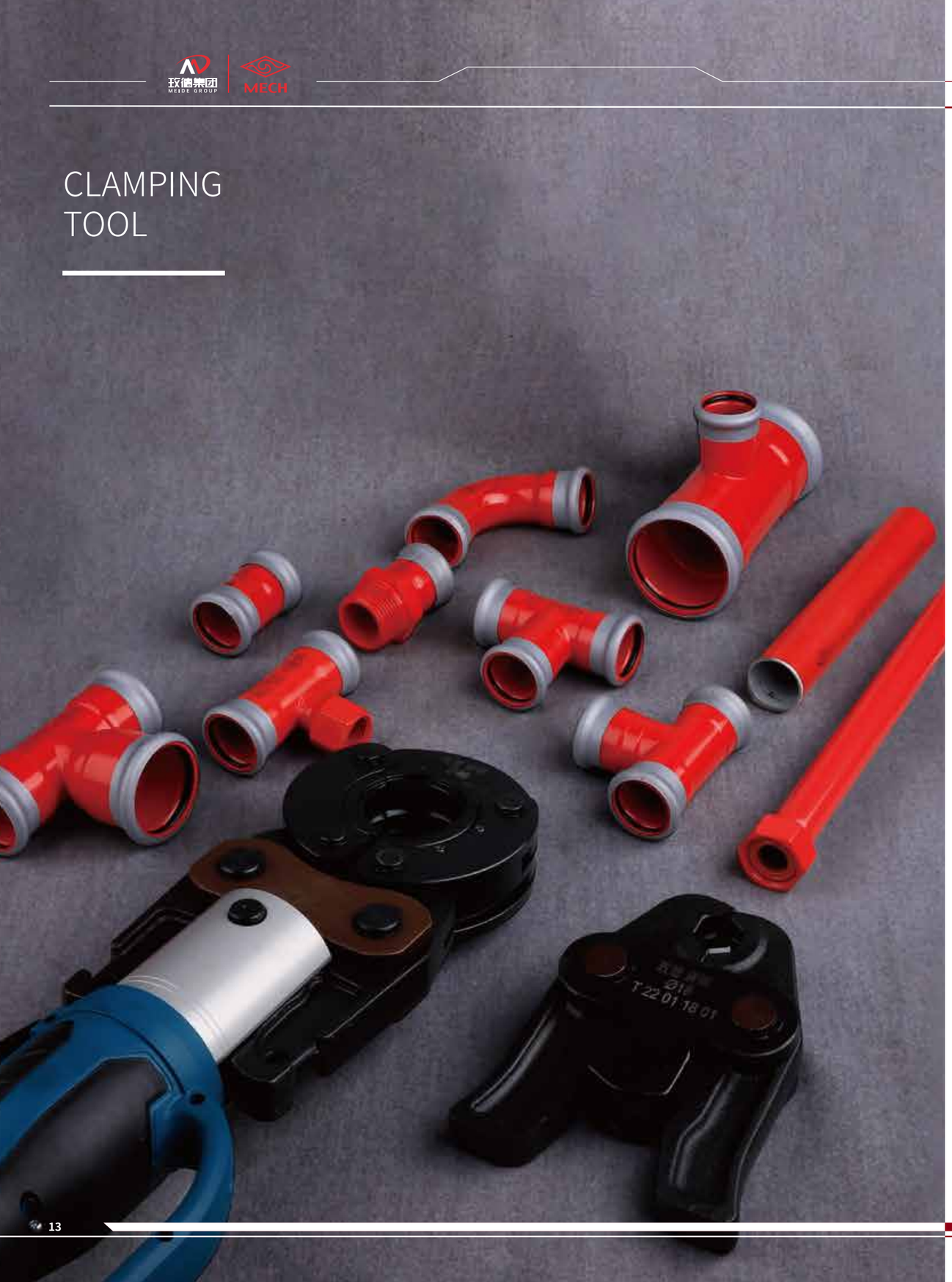
Further promote energy conservation and carbon reduction in the building.

✖ **Paint Free**

Environmentally Friendly

- Lighter pipes to save materials, no painting on site, no welding fume, no oil polluted contribute to carbon neutral and peak carbon dioxide emission.

CLAMPING TOOL



HAND-HELD CLAMPING TOOL

Weighs 3.8kg (without clamping jaw);
Easy to operate with one hand;
Long maintenance interval: 40,000 pressing times before
Maintenance is required for high-performance pressing tools;
Tool usage situation and maintenance indicators.

Provide corresponding Press accessories for different Press scenarios:
• Pressing ring and clamp arm adopt hinged structure for easy construction
• The caliper has good quality, excellent performance and strong practicability

Each set of pressing ring film combination is equipped with a clamping jaw Integrated in the same box, more convenient for on site construction

Installation Operation

Cutting Pipes | Chamfering and Deburring | Insert the Drawing Line | Press Connection

Ten matters need to avoid:

1.Avoid Installation Done by Untrained Workers
2.Avoid Using Deformed Pipes and Fittings
3.Avoid Assembling Pipes with Burrs at cutting end
4.Avoid Installing without checking Rubber Ring
5.Avoid Installing without marking a line
(to mark the position of insert)
6.Avoid Assembling Vertical Pipelines without Positioning Support before Pre-pressing
7.Avoid Pressing Pipe Fittings without Pre-tightening Threads
8.Avoid Pressing Without Checking if is Fully Inserted
9.Avoid Using a Jaw Without the Half Yearly Check with Testing tool
10.Avoid Holding Pressure Test without tearing the Leak Proof card

MORE TRUST

The Global Certification

CRN

CSA C US

FM APPROVED

c UL us LISTED

UPC C

NSF

Patented Technology

‘Carbon steel press fitting with composite coating’

Composite coating anticorrosion.
Neutral salt spray test for more than 1000 hours.

‘Avoid damage and leak identification of carbon steel press fitting’

Protect the press position from damage and corrosion.
Easy tear line for convenient installation.
Identification on Avoidance of Press Omission.
Safety in construction.

‘A Compound Extrudable Grip Ring And Its Applied Press Pipe Fitting’

Patent No.:PCT/CN2021/082451 Rubber coating protection on grip ring.
Connect pipe wall , isolate the impurity going inside. The press connection,the bearing pressure can reach more than 10Mpa.

‘Line sealing press fittings’

Line sealing pressTechnology.
Pressure 3-4 times higher than the national standard.
Resistance pull-out is 1.3 times of the national standard.
Can resist 6.4Mpa instantaneous water hammer impact.

‘Device to Prevent Clamping Jaw Failure’

Clamping Jaw Failure Identification Technology.
Independent research and development of the testing tool to detect the wear degree of the jaws.
Avoid safety problems caused by Clamping Jaw Failure.

Three Systems Certification

National Test Report

Quality Insurance

Product quality underwriting by the People's Insurance Company of China

MORE TRUST

Key Technology

Fully Automatic Thin-Walled Carbon Steel Welding Line

The annual output of fully automatic thin-walled carbon steel welding line is 45,000 tons. The production line has 400KHZ solid-state high-frequency induction welding technology, which has fast welding speed and can pass the flattening test with 180 degrees. The production line has the function of online eddy current flaw detection, which can accurately detect the defects such as porosity, inclusion and crack in the welding seam to ensure the processing quality of pipes and fittings. If any problem is found, the production line will automatically whistle and spray the mark on the defective pipe.

Fully Automatic Spraying Line

The annual output of the fully automatic spraying line is 15,000 tons. The inner cavity adopts the vacuum suction method. During the coating process, the steel pipe rotates, and the coating thickness is uniform. The outside is sprayed with horizontal type. During the spraying process, the steel pipe rotates and is cured at an elevated temperature above 200°C for more than 20 minutes. The powder is fully cross-linked, the coating thickness is uniform, and the quality is stable.

Fully Automatic Laser Material Cutting

PLC program binds the cutting length of each product, and full servo controls, precisely controls of material size and end surface flatness, to ensure that 100% of the cutting length meets the quality requirements.

Automatically Forming

The PLC program controls the bending, cutting and forming through preset parameters, realizing the automatic production of the whole process. The parameter control is used to ensure the processing accuracy of the product, with high quality consistency.

Wielding

The PLC program controls the welding parameters to be bound to specific products, Program control of internal and external gas to protect gas flow, welding speed and crater current. So the welding quality of the product is more solider.

Ultrasonic Cleaning

The PLC program automatically controls the ultrasonic frequency, cleaning time and temperature. The program control equipment efficiently cleans the dirt in hidden places such as deep holes and fine seams of pipe fittings, ensures the welding quality, ensures the adhesion of surface treatment, and ensures the reliable anti-corrosion performance of the product surface.

Avoidance of Press Omission

The PE heat-shrinkable material is used to shrink the ends of the pipe fittings, and the easy-to-tear line is designed, which can be easily torn off after being pressed. Effectively protect the coating , easily identify of missing pressure points.

Testing Equipment

Electric Blast Drying Oven

Alternating Bending Test Machine

Hot And Cold Cycle Test Machine

Salt Spraying Test Machine

Torsion Test Machine

Hydrostatic Pressure Test Machine

3-Coordinate Measuring Machine

Water Impact Test Machine

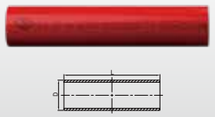
CATALOGUE OF CARBON STEEL PRESS FITTING

CATALOGUE

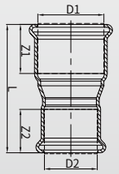
- National Standard: GB/T 27891 Carbon Steel Press Fittings
- Industrial Standard: CJ/T 433 Press Connection Carbon Steel Pipes and Fittings

Product Model

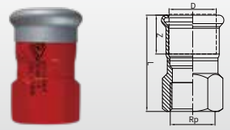
Customize As Required

Carbon Steel Pipe	Nominal Diameter (DN)	Outer Diameter / mm	L	Z
	15	18	6000	1.5
	20	22	6000	1.5
	25	28	6000	1.5
	32	35	6000	1.5
	40	42	6000	1.5
	50	54	6000	1.5
	65	76.1	6000	2.0
	80	88.9	6000	2.0
	100	108	6000	2.0

Equal Coupling	Nominal Diameter (DN)	Outer Diameter / mm	L	Z
	15	18	48	20
	20	22	50	21
	25	28	54	23
	32	35	65	26
	40	42	73	31
	50	54	85	36
	65	76.1	141	53
	80	88.9	162	60
	100	108	194	75

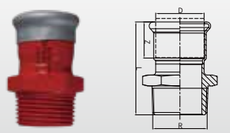
Reducing Coupling	Nominal Diameter (DN)	Outer Diameter / mm	L	Z1	Z2
 	20×15	22×18	54	21	20
	25×20	28×22	60	23	21
	32×20	35×22	70	26	21
	32×25	35×28	68.5	26	23
	40×20	42×22	87.5	31	21
	40×25	42×28	81	31	23
	40×32	42×35	79	31	26
	50×20	54×22	95	36	21
	50×25	54×28	103	36	23
	50×32	54×35	95	36	26
	50×40	54×42	96.5	36	31
	65×32	76.1×35	122	53	26
	65×40	76.1×42	124	53	31
	65×50	76.1×54	132	53	36
	80×40	88.9×42	135	60	31
	80×50	88.9×54	143	60	36
	80×65	88.9×76.1	175	60	53
	65×50	76.1×54	132	53	36
	80×40	88.9×42	135	60	31
	80×50	88.9×54	143	60	36
	100×50	108×54	158	75	36
	100×65	108×76.1	177	75	53
	100×80	108×88.9	203	75	60

Female Thread Coupling



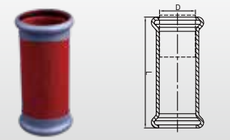
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
25×Rp1/2	28×Rp1/2	48	23
25×Rp3/4	28×Rp3/4	57	23
25×Rp1	28×Rp1	61	23
32×Rp3/4	35×Rp3/4	83.5	26
32×Rp1	35×Rp1	71.5	26
32×Rp1-1/4	35×Rp1-1/4	74	26
40×Rp1-1/2	42×Rp1-1/2	78	31
50×Rp1-1/4	54×Rp1-1/4	102	36
50×Rp1-1/2	54×Rp1-1/2	87	36
50×Rp2	54×Rp2	90.5	36

Male Thread Coupling



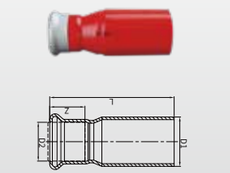
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
20×R1/2	22×R1/2	61	21
25×R1	28×R1	62	23
32×R1-1/4	35×R1-1/4	72.5	26
40×R1-1/2	42×R1-1/2	81	31
50×R1-1/4	54×R1-1/4	102	36
50×R1-1/2	54×R1-1/2	87	36
50×R2	54×R2	90.5	36
65×R1-1/2	76.1×R1-1/2	118	53
80×R3	88.9×R3	138	60
100×R4	108×R4	158	75

Adjustable Coupling



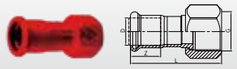
Nominal Diameter (DN)	Outer Diameter / mm	L
15	18	68.5
20	22	74
25	28	84
32	35	102.5
40	42	116.5
50	54	140.5
65	76.1	230
80	88.9	260
100	108	310

One-way Reducing Coupling



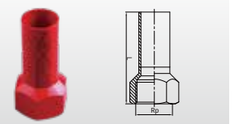
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
25×20	28×22	147	21
32×20	35×22	148.5	21
32×25	35×28	152.5	23
40×20	42×22	148.5	21
40×25	42×28	175.5	23
40×32	42×35	161.5	26
50×20	54×22	148.5	21
50×25	54×28	156	23
50×32	54×35	161.5	26
50×40	54×42	156	31
65×40	76.1×42	126	31
65×50	76.1×54	134	36
80×50	88.9×54	144	36
80×65	88.9×76.1	177	53
100×65	108×76.1	192	53
100×80	108×88.9	202	60

Adapter with Moveable Nut



Nominal Diameter (DN)	Outer Diameter / mm	L	Z
20×G3/4	22×G3/4	54	21
25×G1	28×G1	61	23
32×G1-1/4	35×G1-1/4	72	26
40×G1-1/2	42×G1-1/2	85	31
50×G2	54×G2	96	36

Female Coupling

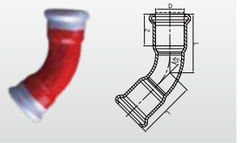


Nominal Diameter (DN)	Outer Diameter / mm	L
25×Rp1/2×50	28×Rp1/2×50	50
25×Rp1/2×100	28×Rp1/2×100	100
25×Rp1/2×1000	28×Rp1/2×1000	1000
25×Rp1/2×1200	28×Rp1/2×1200	1200
25×Rp1/2×2300	28×Rp1/2×2300	2300
32×Rp3/4×100	35×Rp3/4×100	100
32×Rp3/4×1000	35×Rp3/4×1000	1000

Flange Coupling

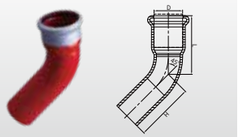
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
20	22	45	21
25	28	47	23
32	35	56	26
40	42	56	31
50	54	67	36
65	76.1	100	53
80	88.9	110	60
100	108	135	75

45°Elbow



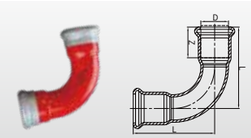
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
20	22	42	21
25	28	52	23
32	35	55	26
40	42	65	31
50	54	78	36
65	76.1	145	53
80	88.9	124	60
100	108	137	75

45°One-way Elbow



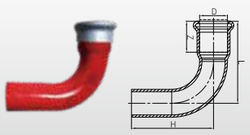
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
20	22	42	56	21
25	28	52	60	23
32	35	55	68	26
40	42	65	78	31
50	54	78	92	36
65	76.1	113.5	116	53
80	88.9	124	139	60
100	108	137	172	75

90°Elbow



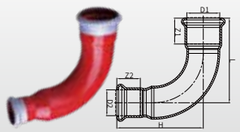
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
20	22	57	21
25	28	65	23
32	35	81	26
40	42	94.6	31
50	54	115	36
65	76.1	142	53
80	88.9	189	60
100	108	201	75

90°One-way Elbow



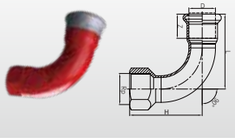
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
20	22	57	67	21
25	28	65	78	23
32	35	81	91	26
40	42	94.6	100	31
50	54	115	125	36
65	76.1	142	183	53
80	88.9	189	201	60
100	108	201	238	75

90°Reducing Elbow



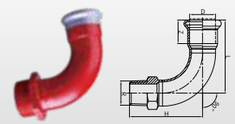
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2
25×20	28×22	65	67	23	21
32×20	35×22	81	80	26	21
32×25	35×28	81	83	26	23
40×20	42×22	94.6	90	31	21
40×25	42×28	94.6	92	31	23
40×32	42×35	94.6	96	31	26
50×20	54×22	115	97	36	21
50×25	54×28	115	100	36	23
50×32	54×35	115	119	36	26
50×40	54×42	115	125	36	31

90°Female Thread Elbow



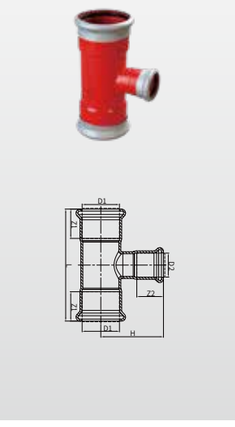
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
20×Rp1/2	22×Rp1/2	57	56	21
25×Rp1/2	28×Rp1/2	65	58	23
32×Rp1/2	35×Rp1/2	81	89	26
40×Rp1-1/2	42×Rp1-1/2	94.6	90	31
50×Rp2	54×Rp2	115	109	36
65×Rp2-1/2	76.1×Rp2-1/2	142	221	53
80×Rp3	88.9×Rp3	189	266	60
100×Rp4	108×Rp4	201	283	75

90°Male Thread Elbow



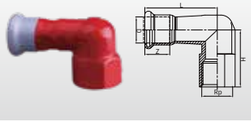
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
15×R1/2	18×R1/2	50	59	20
20×R1/2	22×R1/2	57	62.5	21
25×R1/2	28×R1/2	65	70.5	23
32×R1/2	35×R1/2	81	79.5	26
40×R1-1/2	42×R1-1/2	94.6	95	31
50×R2	54×R2	115	113	36
65×R2-1/2	76.1×R2-1/2	142	211	53
80×R3	88.9×R3	189	262	60
100×R4	108×R4	201	279	75

Reducing Tee



Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2
20×15×20	22×18×22	74	44	21	20
25×15×25	28×18×28	84	47.5	23	20
25×20×25	28×22×28	84	42.5	23	21
32×20×32	35×22×35	102.5	45	26	21
32×25×32	35×28×35	102.5	53.5	26	23
40×20×40	42×22×42	116.5	48.5	31	21
40×25×40	42×28×42	116.5	57	31	23
40×32×40	42×35×42	116.5	57	31	26
50×20×50	54×22×54	140.5	54.5	36	21
50×25×50	54×28×54	140.5	63	36	23
50×32×50	54×35×54	140.5	63	36	26
50×40×50	54×42×54	140.5	67.5	36	31
65×25×65	76.1×28×76.1	230	75.5	53	23
65×32×65	76.1×35×76.1	230	75.5	53	26
65×40×65	76.1×42×76.1	230	79.5	53	31
65×50×65	76.1×54×76.1	230	84	53	36
80×25×80	88.9×28×88.9	260	82	60	23
80×32×80	88.9×35×88.9	260	82	60	26
80×40×80	88.9×42×88.9	260	86	60	31
80×50×80	88.9×54×88.9	260	90.5	60	36
80×65×80	88.9×76.1×88.9	260	114	60	53
100×25×100	108×28×108	310	91.5	75	23
100×32×100	108×35×108	310	91.5	75	26
100×40×100	108×42×108	310	95.5	75	31
100×50×100	108×54×108	310	100	75	36
100×65×100	108×76.1×108	310	123	75	53
100×80×100	108×88.9×108	310	134	75	60

90°Female Thread Short Elbow

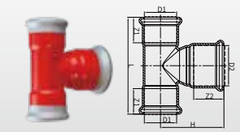


Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
20×Rp3/4	22×Rp3/4	60	39	21
25×Rp1/2	28×Rp1/2	65	45	23

Equal Tee

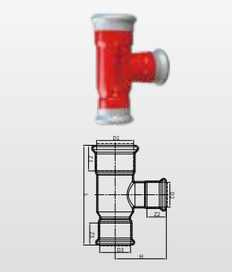
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
15	18	68.5	43	20
20	22	74	40	21
25	28	84	51	23
32	35	102.5	53.5	26
40	42	116.5	61.5	31
50	54	140.5	72	36
65	76.1	230	106	53
80	88.9	260	123	60
100	108	310	146	75

Bull Head Tee



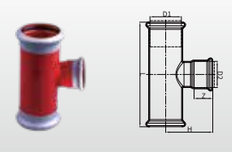
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2
25×32×25	28×35×28	84	55	23	26
25×40×25	28×42×28	84	72	23	31
32×40×32	35×42×35	102.5	65	26	31
32×50×32	35×54×35	102.5	82	26	36
40×50×40	42×54×42	116.5	82	31	36

Reducing Tee



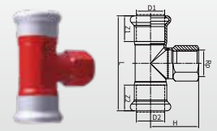
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2	Z3
32×25×25	35×28×28	106	53.5	26	23	23
32×32×25	35×35×28	106.5	53.5	26	26	23
40×25×32	42×28×35	121.5	57	31	23	26
40×25×25	42×28×28	123.5	57	31	23	23
40×32×25	42×35×28	123.5	57	31	26	23
40×32×32	42×35×35	121.5	57	31	26	26
40×40×25	42×42×28	126	61.5	31	31	23
50×25×25	54×28×28	141	63	36	23	23
50×32×25	54×35×28	141	63	36	26	23
50×32×32	54×35×35	149.5	63	36	26	26
50×40×25	54×42×28	141	67.5	36	31	23
50×40×32	54×42×35	149.5	67.5	36	31	26
50×40×40	54×42×42	151	67.5	36	31	31
50×50×25	54×54×28	145	72	36	36	23
50×50×32	54×54×35	154	72	36	36	26
50×50×40	54×54×42	155.5	72	36	36	31

Adjustable Tee



Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
25×20	28×22	84	43.5	21
32×20	35×22	102.5	47	21
32×25	35×28	102.5	55.5	23
40×20	42×22	116.5	50.5	21
40×25	42×28	116.5	59	23
40×32	42×35	116.5	59	26
50×20	54×22	140.5	57	21
50×25	54×28	140.5	65.5	23

Female Thread Tee

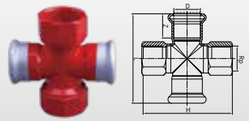


Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2
25×Rp1/2	28×Rp1/2	84	47	23	23
32×Rp1/2	35×Rp1/2	102.5	49	26	26
40×Rp1/2	42×Rp1/2	116.5	52.5	31	31
50×Rp1/2	54×Rp1/2	140.5	59	36	36
65×Rp2-1/2	76.1×Rp2-1/2	230	100	53	53
80×Rp3	88.9×Rp3	260	112	60	60
100×Rp4	108×Rp4	310	121	75	75
25×Rp1/2×20	28×Rp1/2×22	91	47	23	21
32×Rp1/2×25	35×Rp1/2×28	106.5	49	26	23
40×Rp1/2×32	42×Rp1/2×35	121.5	52.5	31	26
50×Rp1/2×40	54×Rp1/2×42	151	59	36	31

Female Thread Tee

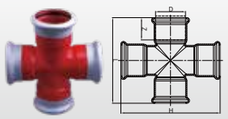
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2
25×25×Rp1	28×28×Rp1	92	51	23	23
32×25×Rp1	35×28×Rp1	104.5	53.5	26	23
32×32×Rp1	35×35×Rp1	104.5	53.5	26	26
40×40×Rp1-1/2	42×42×Rp1-1/2	118.5	61.5	31	31
50×50×Rp2	54×54×Rp2	140.5	72	36	36

Female Thread Cross



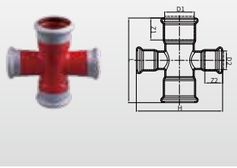
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
20×Rp1/2	22×Rp1/2	74	42	21
20×Rp3/4	22×Rp3/4	74	42	21
25×Rp1	28×Rp1	84	50.5	23
32×Rp1-1/4	35×Rp1-1/4	102.5	56	26
40×Rp1-1/2	42×Rp1-1/2	116.5	62	31
50×Rp1-1/2	54×Rp1-1/2	140.5	68	36
50×Rp2	54×Rp2	140.5	72	36
65×Rp2-1/2	76.1×Rp2-1/2	230	200	53
80×Rp3	88.9×Rp3	260	224	60
100×Rp4	108×Rp4	310	242	75

Equal Cross



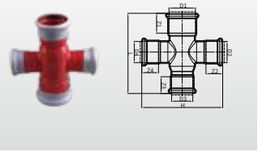
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z
20	22	74	80	21
25	28	84	102	23
32	35	102.5	107	26
40	42	116.5	123	31
50	54	140.5	144	36
65	76.1	230	212	53

Reducing Cross



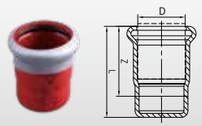
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2
25×20×25×20	28×22×28×22	84	85	23	21
32×20×32×20	35×22×35×22	102.5	90	26	21
32×25×32×25	35×28×35×28	102.5	107	26	23
40×20×40×20	42×22×42×22	116.5	97	31	21
40×25×40×25	42×28×42×28	116.5	114	31	23
40×32×40×32	42×35×42×35	116.5	114	31	26
50×20×50×20	54×22×54×22	140.5	109	36	21
50×25×50×25	54×28×54×28	140.5	126	36	23
50×32×50×32	54×35×54×35	140.5	126	36	26
50×40×50×40	54×42×54×42	140.5	135	36	31

Reducing Cross



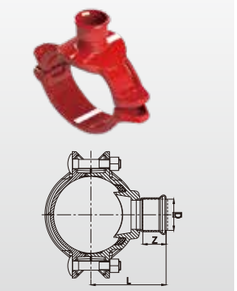
Nominal Diameter (DN)	Outer Diameter / mm	L	H	Z1	Z2	Z3	Z4
32×25×25×25	35×28×28×28	106	107	26	23	23	23
40×25×32×25	42×28×35×28	121.5	114	31	23	26	23
40×25×25×25	42×28×28×28	123.5	114	31	23	23	23
40×32×40×25	42×35×42×28	116.5	114	31	26	31	23
50×25×32×25	54×28×35×28	149.5	126	36	23	26	23
50×25×40×25	54×28×42×28	151	126	36	23	31	23
50×32×40×32	54×35×42×35	151	126	36	26	31	26
50×32×50×25	54×35×54×28	140.5	126	36	26	36	23
50×32×25×32	54×35×28×35	145	126	36	26	23	26

Cap



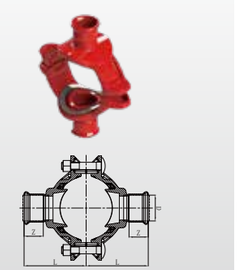
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
20	22	39	21
25	28	41	23
32	35	46.5	26
40	42	51	31
50	54	57	36
65	76.1	101	53
80	88.9	92	60
100	108	107	75

Mechanical Tee



Nominal Diameter (DN)	Outer Diameter / mm	L	Z
65×25	76.1×28	35	22.5
65×32	76.1×35	37.5	26
65×40	76.1×42	39	30
65×50	76.1×54	47.5	35.5
80×25	88.9×28	35	22.5
80×32	88.9×35	37.5	26
80×40	88.9×42	39	30
80×50	88.9×54	47.5	35.5
100×25	108×28	35	22.5
100×32	108×35	37.5	26
100×40	108×42	39	30
100×50	108×54	47.5	35.5
150×25	150×28	35	22.5
150×32	150×35	37.5	26
150×40	150×42	39	30
150×50	150×54	47.5	35.5
65×25×25	76.1×28×28	35	22.5

Mechanical Cross



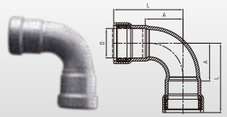
Nominal Diameter (DN)	Outer Diameter / mm	L	Z
65×32×32	76.1×35×35	37.5	26
65×40×40	76.1×42×42	39	30
65×50×50	76.1×54×54	47.5	35.5
80×25×25	88.9×28×28	35	22.5
80×32×32	88.9×35×35	37.5	26
80×40×40	88.9×42×42	39	30
80×50×50	88.9×54×54	47.5	35.5
100×25×25	108×28×28	35	22.5
100×32×32	108×35×35	37.5	26
100×40×40	108×42×42	39	30
100×50×50	108×54×54	47.5	35.5
150×25×25	150×28×28	35	22.5
150×32×32	150×35×35	37.5	26
150×40×40	150×42×42	39	30
150×50×50	150×54×54	47.5	35.5

GRIP RING PRESS FITTINGS CATALOGUE

CATALOGUE

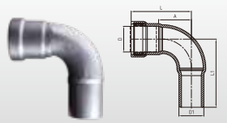
Product Model

C90 90° Elbow



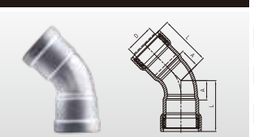
Nominal Diameter (DN)	Outer Diameter / mm	D	L	A
15	21.3	21.3	57	30
20	26.7	26.7	64	34.5
25	33.4	33.4	78	43.5
32	42.2	42.2	97	51
40	48.3	48.3	105	57.5
50	60.3	60.3	121.5	71

C90D 90°One-way Elbow



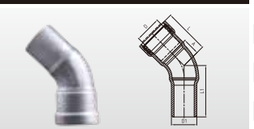
Nominal Diameter (DN)	Outer Diameter / mm	D/D1	L	L1	A
15	21.3	21.3	57	65	30
20	26.7	26.7	64	73	34.5
25	33.4	33.4	78	86	43.5
32	42.2	42.2	97	102.5	51
40	48.3	48.3	105	107	57.5
50	60.3	60.3	121.5	129	71

C45 45° Elbow



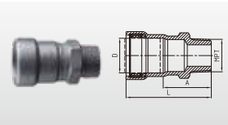
Nominal Diameter (DN)	Outer Diameter / mm	D	L	A
15	21.3	21.3	42.5	15.5
20	26.7	26.7	47.5	18
25	33.4	33.4	56	21.5
32	42.2	42.2	71	25
40	48.3	48.3	76	28.5
50	60.3	60.3	84	33.5

C45D 45° One-way Elbow



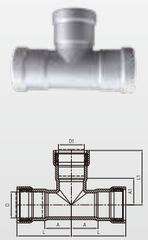
Nominal Diameter (DN)	Outer Diameter / mm	D/D1	L	L1	A
15	21.3	21.3	42.5	50	15.5
20	26.7	26.7	47.5	54	18
25	33.4	33.4	56	64	21.5
32	42.2	42.2	71	76	25
40	48.3	48.3	76	78	28.5
50	60.3	60.3	84	91	33.5

CSM Male Thread Equal Coupling



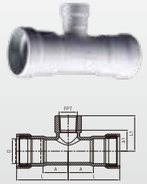
Nominal Diameter (DN)	Outer Diameter / mm	D/D1	L	L1	A
15	21.3	21.3	42.5	50	15.5
20	26.7	26.7	47.5	54	18
25	33.4	33.4	56	64	21.5
32	42.2	42.2	71	76	25
40	48.3	48.3	76	78	28.5
50	60.3	60.3	84	91	33.5

C3T Equal Tee CTR Reducing Tee



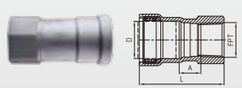
Nominal Diameter (DN)	Outer Diameter / mm	D	D1	L	L1	A	A1
15×15×15	21.3×21.3×21.3	21.3	21.3	52	51	25	24
20×15×20	26.7×21.3×26.7	26.7	21.3	57.5	54.4	25	27.2
20×20×20	26.7×26.7×26.7	26.7	26.7	57.5	57	25	27.5
25×15×25	33.4×21.3×33.4	33.4	21.3	65.5	58	31	30.5
25×20×25	33.4×26.7×33.4	33.4	26.7	65.5	61	31	31.5
25×25×25	33.4×33.4×33.4	33.4	33.4	65.5	65	31	30.5
32×15×32	42.2×21.3×42.2	42.2	21.3	82	61.5	36	34.3
32×20×32	42.2×26.7×42.2	42.2	26.7	82	65	36	35.3
32×25×32	42.2×33.4×42.2	42.2	33.4	82	69	36	35.1
32×32×32	42.2×42.2×42.2	42.2	42.2	82	81	36	35
40×15×40	48.3×21.3×48.3	48.3	21.3	87	64	39.5	37
40×20×40	48.3×26.7×48.3	48.3	26.7	87	67	39.5	38.6
40×25×40	48.3×33.4×48.3	48.3	33.4	87	72	39.5	37.6
40×32×40	48.3×42.2×48.3	48.3	42.2	87	84.3	39.5	38.1
40×40×40	48.3×48.3×48.3	48.3	48.3	87	86.5	39.5	39
50×15×50	60.3×21.3×60.3	60.3	21.3	96.5	71.4	46	44.2
50×20×50	60.3×26.7×60.3	60.3	26.7	96.5	75	46	46
50×25×50	60.3×33.4×60.3	60.3	33.4	96.5	78.7	46	44.5
50×32×50	60.3×42.2×60.3	60.3	42.2	96.5	91.4	46	45.2
50×40×50	60.3×48.3×60.3	60.3	48.3	96.5	94.2	46	46.7
50×50×50	60.3×60.3×60.3	60.3	60.3	96.5	96	46	46

CTRF Female Thread Reducing Tee
CTF Female Thread Equal Tee



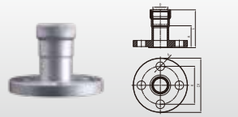
Nominal Diameter (DN)	Outer Diameter / mm	D	L	L1	A	A1
20×NPT1/2×20	26.7×NPT1/2×26.7	26.7	57.5	39.5	28	26
20×NPT3/4×20	26.7×NPT3/4×26.7	26.7	57.5	40.2	28	26
25×NPT1/2×25	33.4×NPT1/2×33.4	33.4	65.5	44	31	30
25×NPT3/4×25	33.4×NPT3/4×33.4	33.4	65.5	44	31	30
32×NPT1/2×32	42.2×NPT1/2×42.2	42.2	82	47	36	33
32×NPT3/4×32	42.2×NPT3/4×42.2	42.2	82	48	36	33.5
32×NPT1×32	42.2×NPT1×42.2	42.2	82	51.5	36	35
40×NPT1/2×40	48.3×NPT1/2×48.3	48.3	87	49.5	39.5	36
40×NPT3/4×40	48.3×NPT3/4×48.3	48.3	87	50	39.5	36
40×NPT1×40	48.3×NPT1×48.3	48.3	87	57	39.5	40
40×NPT1-1/4×40	48.3×NPT1-1/4×48.3	48.3	87	54.5	39.5	37
50×NPT1/2×50	60.3×NPT1/2×60.3	60.3	96.5	57	46	43
50×NPT3/4×50	60.3×NPT3/4×60.3	60.3	96.5	58	46	43.5
50×NPT1×50	60.3×NPT1×60.3	60.3	96.5	64.5	46	48
50×NPT1-1/4×50	60.3×NPT1-1/4×60.3	60.3	96.5	62	46	45
50×NPT1-1/2×50	60.3×NPT1-1/2×60.3	60.3	96.5	61	46	44

CSF Female Thread Equal Coupling
CSRF Female Thread Reducing Coupling



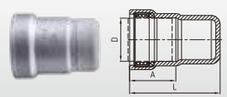
Nominal Diameter (DN)	Outer Diameter / mm	D	L	A
15×NPT1/2	21.3×NPT1/2	21.3	58	17.5
20×NPT1/2	26.7×NPT1/2	26.7	61.5	18.5
20×NPT3/4	26.7×NPT3/4	26.7	62	19
25×NPT1/2	33.4×NPT1/2	33.4	74	26
25×NPT3/4	33.4×NPT3/4	33.4	68	19.8
25×NPT1	33.4×NPT1	33.4	69.5	18.5
32×NPT1/2	42.2×NPT1/2	42.2	89	29.2
32×NPT3/4	42.2×NPT3/4	42.2	88.5	28.2
32×NPT1	42.2×NPT1	42.2	82.3	19.3
32×NPT1-1/4	42.2×NPT1-1/4	42.2	83	19.5
40×NPT1/2	48.3×NPT1/2	48.3	94.5	33.3
40×NPT3/4	48.3×NPT3/4	48.3	94	32.3
40×NPT1	48.3×NPT1	48.3	92.5	28.2
40×NPT1-1/4	48.3×NPT1-1/4	48.3	86.5	21.8
40×NPT1-1/2	48.3×NPT1-1/2	48.3	83.5	18.5
50×NPT1/2	60.3×NPT1/2	60.3	103	39.5
50×NPT3/4	60.3×NPT3/4	60.3	103.5	39
50×NPT1	60.3×NPT1	60.3	101.6	34.3
50×NPT1-1/4	60.3×NPT1-1/4	60.3	99.8	32.5
50×NPT1-1/2	60.3×NPT1-1/2	60.3	94	26.2
50×NPT2	60.3×NPT2	60.3	87.5	19.5

Flange Coupling



Nominal Diameter (DN)	Outer Diameter / mm	D	L	A	D1	K	n-φd
15	21.3	21.3	65.5	38.5	90	60.3	4-16
20	26.7	26.7	69.5	40	100	69.9	4-16
25	33.4	33.4	78.5	44	110	79.4	4-16
32	42.2	42.2	94	48	115	88.9	4-16
40	48.3	48.3	99.5	52	125	98.4	4-16
50	60.3	60.3	103	52.5	150	120.7	4-19

CDM Plug Cap

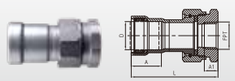


Nominal Diameter (DN)	Outer Diameter / mm	D	L	A
15	21.3	21.3	54	27
20	26.7	26.7	57.5	29.5
25	33.4	33.4	62	34.5
32	42.2	42.2	74.5	46
40	48.3	48.3	77	47.5
50	60.3	60.3	79	50.5

CHFSM Union, M&F

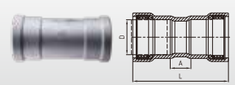
Nominal Diameter (DN)	Outer Diameter / mm	D	L	A
15	21.3	21.3	114	60
20	26.7	26.7	127	68
25	33.4	33.4	135.5	66.5
32	42.2	42.2	164.5	72.5
40	48.3	48.3	168.5	73.5
50	60.3	60.3	200	99

CHF Union



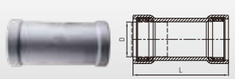
Nominal Diameter (DN)	Outer Diameter / mm	D	L	A	A1
15×NPT1/2	21.3×NPT1/2	21.3	73	27	13.7
20×NPT3/4	26.7×NPT3/4	26.7	82	29.5	14.2
25×NPT1	33.4×NPT1	33.4	86	34.5	16.7
32×NPT1-1/4	42.2×NPT1-1/4	42.2	103	46	17.2
40×NPT1-1/2	48.3×NPT1-1/2	48.3	105	47.5	17.2
50×NPT2	60.3×NPT2	60.3	127	50.5	17.7

CS Coupling



Nominal Diameter (DN)	Outer Diameter / mm	D	L	A
15	21.3	21.3	69	15
20	26.7	26.7	75	16
25	33.4	33.4	84	15
32	42.2	42.2	110	18
40	48.3	48.3	118	23
50	60.3	60.3	121	20

CSK Adjustable Coupling

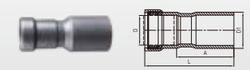


Nominal Diameter (DN)	Outer Diameter / mm	D	L
15	21.3	21.3	69
20	26.7	26.7	75
25	33.4	33.4	84
32	42.2	42.2	110
40	48.3	48.3	118
50	60.3	60.3	121

CSKC Long Adjustment Socket

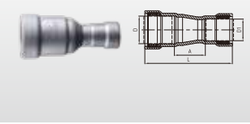
Nominal Diameter (DN)	Outer Diameter / mm	D	L
15	21.3	21.3	97
20	26.7	26.7	101.5
25	33.4	33.4	111.5
32	42.2	42.2	135.5
40	48.3	48.3	138
50	60.3	60.3	143

CSRHJ Weld Reduced Socket



Nominal Diameter (DN)	Outer Diameter / mm	D	D1	L	A
20×15	26.7×21.3	21.3	26.7	72.5	45.5
25×15	33.4×21.3	21.3	33.4	81.5	54.5
25×20	33.4×26.7	26.7	33.4	82.5	53
32×25	42.2×33.4	33.4	42.2	101	66.5
40×20	48.3×26.7	26.7	48.3	105	75.5
40×25	48.3×33.4	33.4	48.3	105.5	71
40×32	48.3×42.2	42.2	48.3	115	69
50×25	60.3×33.4	33.4	60.3	114	79.5
50×32	60.3×42.2	42.2	60.3	122.5	76.5
50×40	60.3×48.3	48.3	60.3	122.5	75

CSR Reducing Coupling



Nominal Diameter (DN)	Outer Diameter / mm	D	D1	L	A
20×15	26.7×21.3	26.7	21.3	87	30.5
25×15	33.4×21.3	33.4	21.3	96	34.5
25×20	33.4×26.7	33.4	26.7	95	31
32×20	42.2×26.7	42.2	26.7	111	35.5
32×25	42.2×33.4	42.2	33.4	111.5	31
40×32	48.3×42.2	48.3	42.2	124.5	31
50×32	60.3×42.2	60.3	42.2	134	37
50×40	60.3×48.3	60.3	48.3	133.5	36


Burj Khalifa Tower in Dubai

LANDMARK CASE


Chengdu Phoenix Mountain Sports Park


Meide Service Center


Marina Bay Sands Hotel Singapore


Shenzhen Tencent Binhai Building


Beijing National Speed Skating Stadium


Guangzhou West Tower


Sichuan Chengdu Mixc City


Cape Town Stadium, South Africa


Beijing Daxing Airport