

ARMOUR[®]

Press Fittings

CATALOGUE OF CARBON STEEL PRESS FITTING





ARMOUR[®]
Press Fittings

Distributed in Central America by **INPPROD**
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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.



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.

CLAMPING
CONNECTION

CARBON STEEL PRESS FITTING SOLUTION FOR FIRE PROTECTION

Patent

《Carbon steel press fitting with composite coating》

Anti corrosion with composite coating
Stand spray test for more than 1000 hours

《Press fitting with anti damage protection and sleeves》

Protection the end from damage
Easy to separate
Easy to identify press missing
Safe installation

《Linear sealing press fitting》

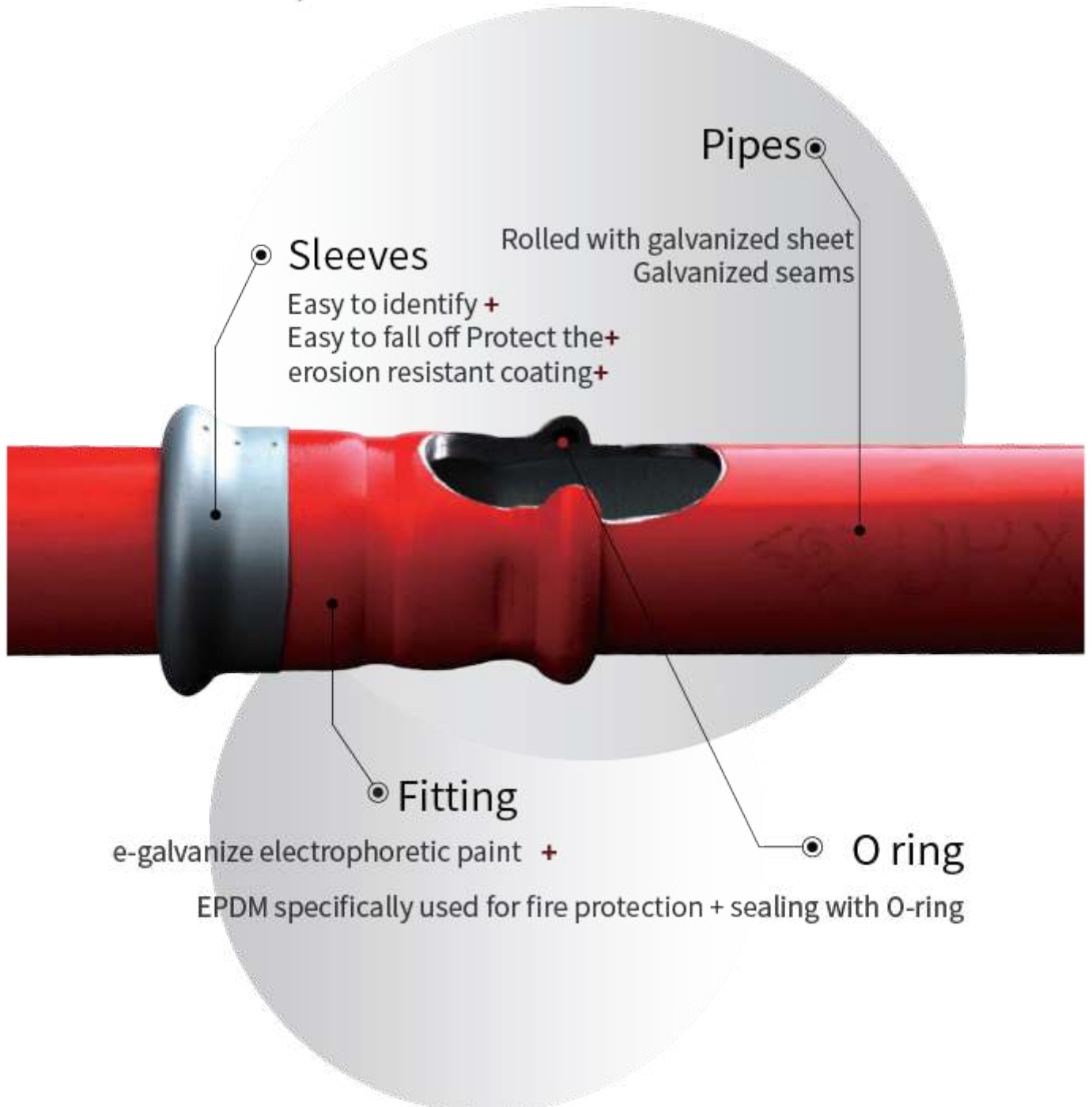
Press with linear press
Pressure bearing three to four times better than national standard
Stand 6.4 Mpa water hammer

《Device to avoid jaw failure》

The technology to identify jaw failure
Inspection tool to inspect abrasion of the jaw
To avoid pipe safety of the jaw failure

SAFE AND RELIABLE

HIGH PRESSURE-BEARING, DOUBLE ANTICORROSION, FOUR PATENTS



PRESS MACHINE

Weight 3.8 kg
Easy to handle
Maintain after 40 thousand pressing

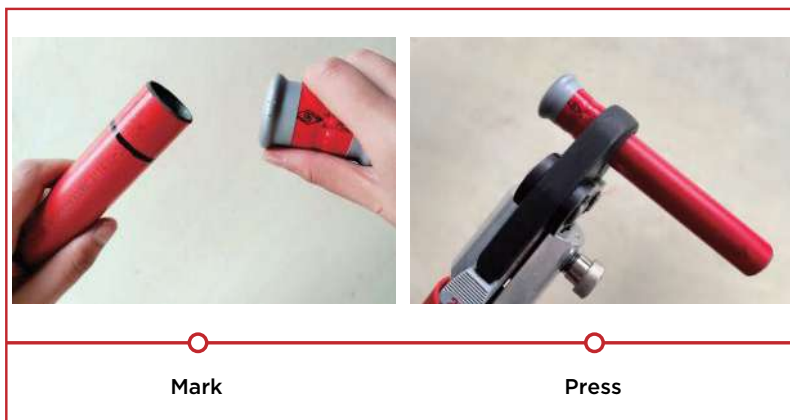
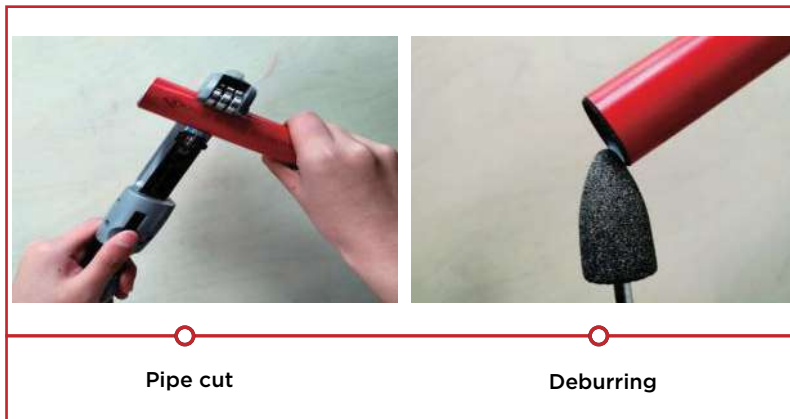
Spare parts are available for different applications:

- Jaws and machine are packed in one box
- Easy to handle in the job site

Jaws packed together with press machine in one box
Easy to install



Installation instruction



Notice

1. Installers need to be trained
2. Do not use deforming pipes and fittings
3. Do not use pipes or fittings with bur
4. Inspect the O ring before installation
5. Mark before installation
6. Install before pre-press for vertical pipes
7. Thread before press for fittings with threads
8. Inspect the inserting part before pressing
9. Inspect the jaw before pressing
10. Remove the sleeve after installation

MORE TRUSTWORTHY

First manufacturer in China obtaining UL/FM



Three system Certification



Quality insured by PICC



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


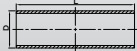


Water Impact Test Machine


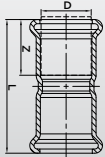




CATALOGUE


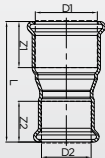
PIPE

DPX Carbon steel pipes	OD D	L	Wall thickness
 	28	6000	1.5
	35	6000	1.5
	42	6000	1.5
	54	6000	1.5

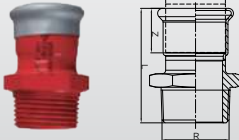
COUPLINGS & REDUCTIONS

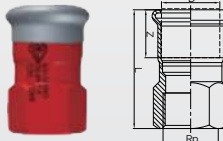
DDS coupling	OD D	L	Z
 	28	54	23
	35	65	26
	42	73	31
	54	85	36

DSK Slim coupling	OD D	L
 	28	84
	35	102.5
	42	116.5
	54	140.5

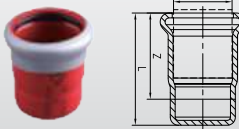
DSR Reducing coupling	OD D	L	Z1	Z2
 	35×28	68.5	26	23
	42×28	81	31	23
	42×35	79	31	26
	54×28	103	36	23
	54×35	95	36	26
	54×42	96.5	36	31

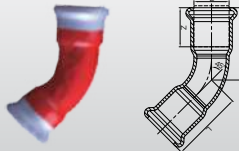
TRANSITIONS

DSM / DSRM coupling with female thread	OD D	L	Z
	28×R1/2	61	23
	28×R3/4	61	23
	28×R1	62	23
	35×R1	67.5	26
	35×R1-1/4	72.5	26
	42×R3/4	83.5	31
	42×R1	75	31
	42×R1-1/4	77	31
	42×R1-1/2	81	31
	54×R1	97	36
	54×R1-1/4	96	36
	54×R1-1/2	87	36
	54×R2	90.5	36

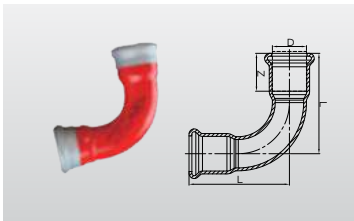
DSF / DSRF coupling with female thread	OD D	L	Z
	28×Rp1/2	48	23
	28×Rp3/4	57	23
	28×Rp1	61	23
	35×Rp1/2	59.5	26
	35×Rp3/4	58.5	26
	35×Rp1	66.5	26
	35×Rp1-1/4	69.5	26
	42×Rp1/2	74.5	31
	42×Rp3/4	83.5	31
	42×Rp1	80	31
	42×Rp1-1/4	74	31
	42×Rp1-1/2	76	31
	54×Rp1/2	94	36
	54×Rp3/4	95.5	36
	54×Rp1	97	36
	54×Rp1-1/4	96	36
	54×Rp1-1/2	82	36
	54×Rp2	86	36

CAPS, ELBOW, TEE, CROSS

DDC Cap	OD D	L	Z
	28	41	23
	35	46.5	26
	42	51	31
	54	57	36

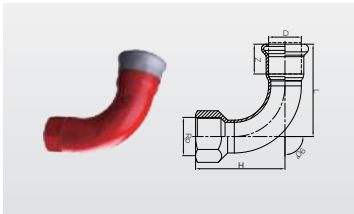
D45 Bend 45°	OD D	L	Z
	28	48	23
	35	55	26
	42	65	31
	54	78	36

D90 Bend 90°



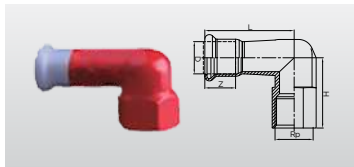
OD D	L	Z
28	65	23
35	81	26
42	94.6	31
54	115	36

**D90F/D90RF
Bend 90° with female thread**



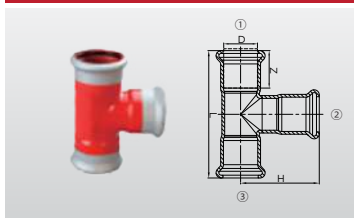
OD D	L	H	Z
28×Rp1/2	65	57	23
28×Rp3/4	65	66	23
35×Rp1/2	81	94.5	26
35×Rp3/4	81	94.5	26
35×Rp1	81	82.5	26
54×Rp3/4	115	124.5	36
54×Rp1	115	115	92

**D90FZ/D90RFZ
Slim bend 90° with female thread**



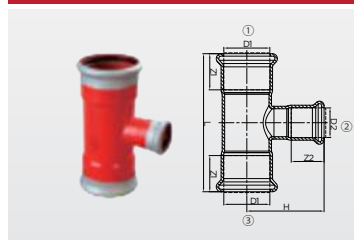
OD D	L	H	Z
28×Rp1/2	62	25	23

D3T equal tee

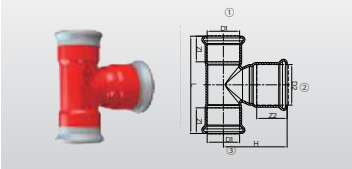


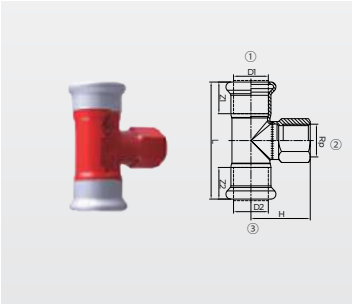
OD D	L	H	Z
28×28×28	84	51	23
35×35×35	102.5	53.5	26
42×42×42	116.5	61.5	31
54×54×54	140.5	72	36

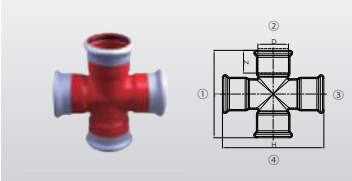
DTR Reducing T



OD D	L	H	Z1	Z2
35×28×35	102.5	53.5	26	23
42×28×42	116.5	57	31	23
42×35×42	116.5	57	31	26
54×28×54	140.5	63	36	23
54×35×54	140.5	63	36	26
54×42×54	140.5	67.5	36	31

DTR Reducing Tee	OD D	L	H	Z1	Z2
	28×35×28	84	55	23	26
	28×42×28	84	70	23	26
	28×54×28	84	82	23	31
	35×42×35	102.5	65	26	36
	35×54×35	102.5	82	26	31
	42×54×42	116.5	82	31	36

DTF/DTRF Tee with female thread	OD D	L	H	Z1	Z2
	28×Rp1/2×28	84	47	23	23
	28×Rp3/4×28	84	46.5	23	23
	28×Rp1×28	84	50.5	23	23
	35×Rp1/2×35	102.5	49	26	26
	35×Rp3/4×35	102.5	49	26	26
	35×Rp1×28	106.5	53	26	23
	35×Rp1×35	102.5	53	26	26
	42×Rp1/2×42	116.5	53	31	31
	42×Rp3/4×42	116.5	52.5	31	31
	42×Rp1×42	116.5	56.5	31	31
	54×Rp1/2×54	140.5	59	36	36
	54×Rp3/4×54	140.5	58.5	36	36
54×Rp1×54	140.5	62.5	36	36	

D4T equal cross	OD D	L	H	Z
	28×28×28×28	84	102	23
	35×35×35×35	102.5	107	26
	42×42×42×42	116.5	123	31
	54×54×54×54	140.5	144	36



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