



Compressed Air Piping System

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Our products have been certified by DVGW, WRAS, CSTB, ACS, GDV, and VDS. Especially for thick-wall carbon press piping, we have CUPC, FM and UL certificates. We have independent large CNAS approved laboratories with various inspection facilities for fittings and piping system. Such as material test and dimension calibration, spectrometer, profile scanner, CMM, metallographic analyzer, salt spray test, pull-out test, pneumatic leakage test, eddy current testing line, bursting test, tumbling test, life cycle test, etc.

We inherit to the business philosophy of energy saving, environmental and sustainable development to lead the industry. Our company adheres to the strategic policy of "Making quality products, Setting a model for the business", and friendly cooperates with domestic and foreign customers with high-quality services, and work together to win splendid future!

COMPANY PROFILE

We, IPC Piping system Co. Ltd, with a registered capital of USD 20 million and turnover USD 200 million 2023, are a national high-tech enterprise, certified by ISO9001, ISO14001 and also OHSAS18001/ISO45001. Our company is the world leading manufacturer of Carbon steel and Stainless steel Press Fitting and piping system.

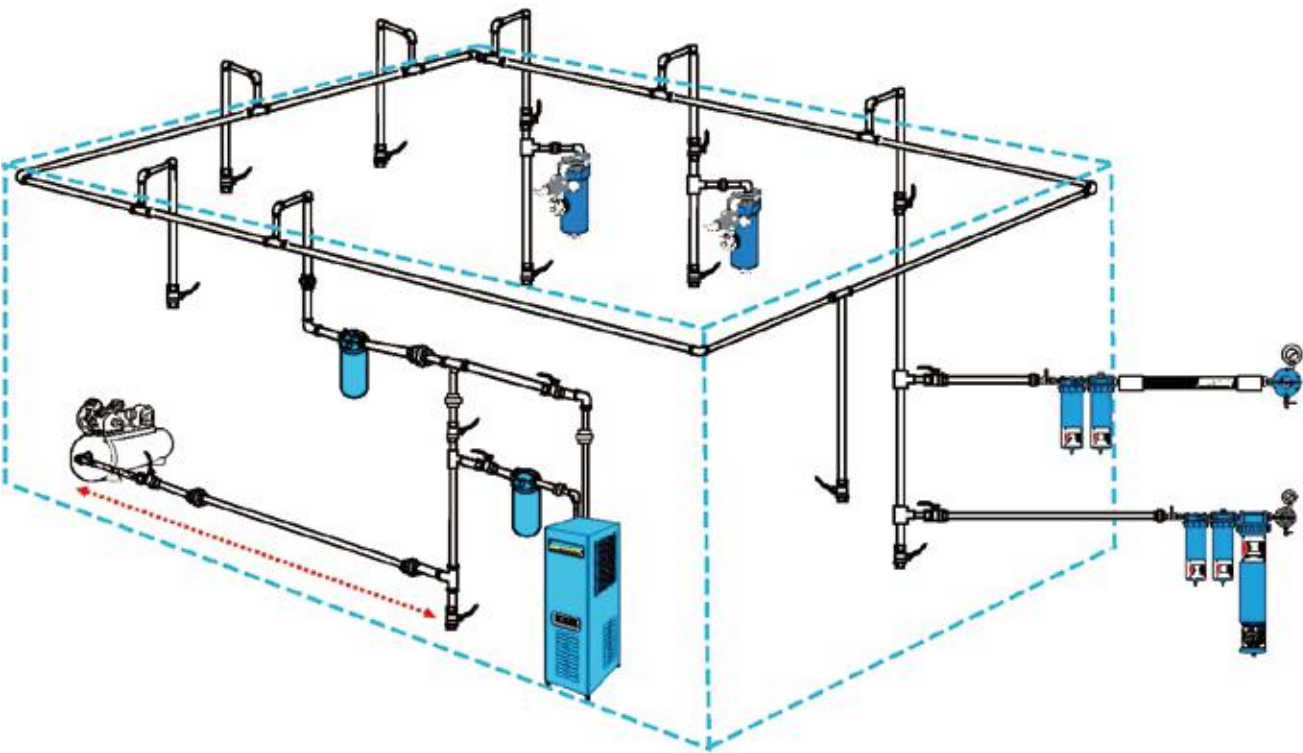
We have established three manufacturing bases in China, one is in Taizhou, Zhejiang and another one is in Xingtai, Hebei province and a New Smart Factory in Jiaxing, Zhejiang which was finished in May, 2021. The new base is a first advanced "lighthouse model" factory in this industry in China. All production bases are equipped with leading automated production facilities and lines. We also use advanced technology of Electrophoresis surface treatment and nanotechnology epoxy resin coating. Through excellent innovation, research and development, our products are widely used in Water Supply, Gas, Fire Protection, Municipal Water Treatment, HVAC and other supporting application.



COMPRESSED AIR TECHNOLOGY

Compressed Air Technology is used throughout the industry from small workshops to large factories. Whether it is used to drive tools and machines, or to control producing or clean parts, it becomes indispensable from the point of view of modern production.

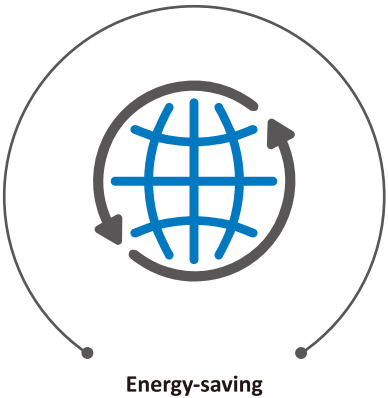
High energy costs is a major weakness of Compressed Air. Here, LEAKS in the piping system is by no means a trivial part of the energy cost. Energy losses are usually due to leaky screw connections, hemp threads drying out at the screw connections, holes due to corrosion, damage due to compressor oil seals, defective adhesive points, etc. Due to these factors, it is necessary to pay attention to the sealing performance of the pipeline when selecting the pipeline system. Industrial piping system is designed in this way, in view of the piping material and connection technology to meet the requirements of compressed air equipment, it is a good way to reduce energy costs by improving sealing solution.



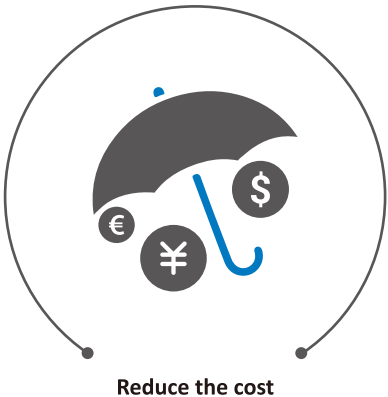
IMPORTANCE OF COMPRESSED AIR PIPING SYSTEM



Safety is the key priority in the design of all air compressor stations, and air power gas, with a certain working ability, leakage and looseness of the pipeline system will cause unpredictable safety and production accidents and even cause heavy personal casualties.



With the country's higher requirements for environmental protection, the air compressor piping system should also be designed to conform to the general direction of the country. A good pipeline has the characteristics of safety and no leakage to save resources for the society and the country.



Air compressor piping system design must consider reducing air resistance, reducing energy consumption, and save costs. Precipitation or oxide precipitation inside the pipe will cause air pressure for a long time. Increase the resistance and reduce the quality of the downstream gas, increase the loss of the post-processing equipment and increase the gas consumption. The service life of the equipment is reduced or even scrapped in advance, resulting in significant economic losses.



The maintenance costs of modern factories are increasing day by day, and the installation of piping systems is easy. It means less manpower, saving a lot of installation costs, and at the same time coping with emergencies. Therefore, it is faster and more effective.

IMPORTANCE OF COMPRESSED AIR PIPING SYSTEM

IPC Pipe Compressed Air Piping System reduces the loss of air compressor station room piping systemmaximumly, in the mean-while, it also reduces the energy loss.Using three machines in parallel, carbon steel piping system connects with Air Compressor, Air Receiver, Triple Filter, Dryer, Desiccant Air Dryer, the Bypass and other equipments to reduce the loss of reduced voltage, fast installation, save the installation cost and time cost. The cleanliness of piping system, excellent visual experience, standardized process , brings more security guarantee.



While ensuring the safety of gas use in your workshop pipelines, taking into account the energy saving of the overall pipeline network, all pipelines are designed to meet the pressure requirements of the gas-using equipment, and the fast installation and gas extraction plan can ensure the gas demand of your newly added equipment.



Design three-level ring network structure

- Big ring network
- Higher ring net
- Lower Rotation 90 Degree Ring

The ring network reflects the thickness of the pipeline, the lower fulcrum and other elements.

ADVANTAGES



High Security

- Pressure rating up to 1.05MPa, press fitting design
- Strong resistance to air hammer vibration, no detachment and no bursting.



Small system piezoresistance

- Full streamlined pipe network design, no 90-de-gree vertical angle;
- Reduce the air resistance in the pipeline and save more energy.

Hole [mm]	Air loss when it is 6 bar[l/s]	Energy loss [kWh/h]	Cost [€/a]
• 1	1.238	0.3	390.-
• 3	11.14	3.1	1,070.-
• 5	30.95	8.3	10,890.-
• 10	123.8	33.0	43,310.-

Cost calculate: KW x 0.15€/kwh x 8750 operation hour/a



Strong corrosion resistance

- Germany EP coating technology
- The salt spray test is up to 1000 hours, and the corrosion resistance is widely used.



Convenient installation

- The press connection technology from Europe
- More fast to intall piping.



Clean air sourece

- There is no precipitation and oxide precipitation in the system;
- The gas source is clean, without a lot of processing costs, and the long-term piezoresistance is low.



Linear compensation

- Axial linear compensator is set to effectively reduce pipeline installation stress;
- Absorb the axial cold and heat deformation of the pipeline and the vibration of the pipeline
- Reduce the damage of pipe network deformation caused by thermal expansion and cold contraction



Maintenance free

- Prefabricated standard colour (sky blue RAL 5015)



Custom Service

- Customize piping according
- Make sure the energy saving of piping system and the convenience of maintance.

COMPRESSED AIR PIPING SYSTEM

IPC Piping has a complete product line of CPA air compressed pipe systems, with the ability to solve problems and innovate product s constantly; We become more competitve, since we are always commitment to localization, serving users with better life cycle costs.



INSIDE SURFACE CORROSION RESISTANT
(High Density, low porosity, Rust-free)



EPOXY RESIN COATING
(Germany Technology)



SMOOTH INSIDE SURFACE
(Oil and Dirty-free and Not Easy to be scaled)



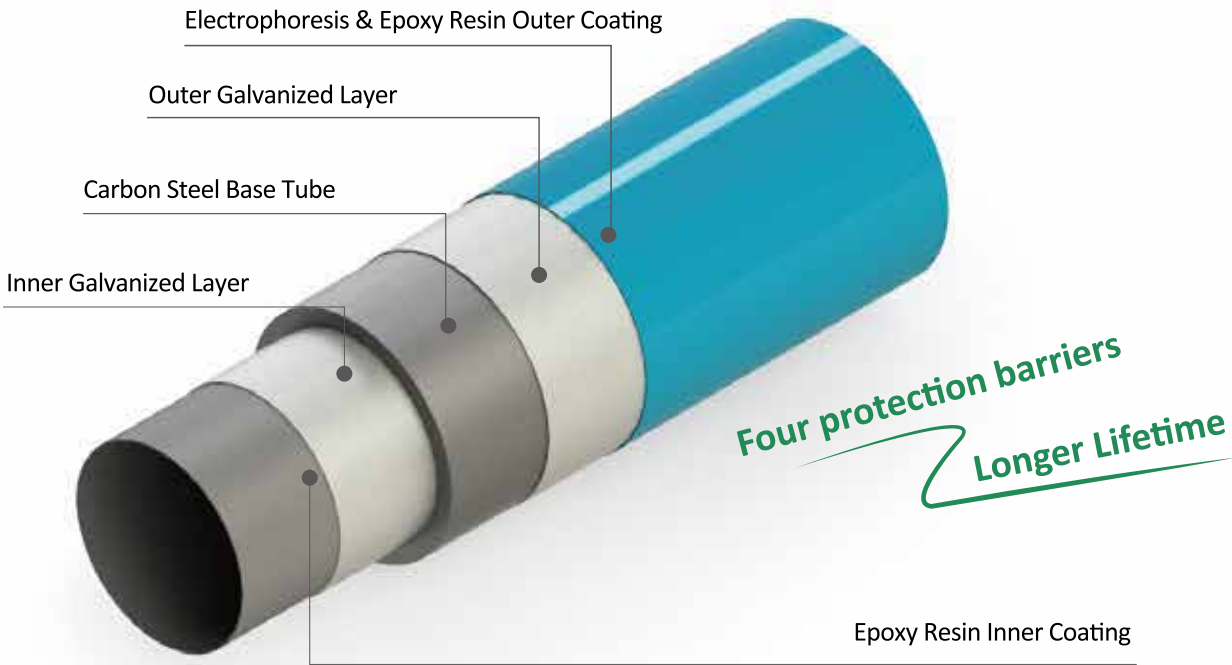
FAST, COST SAVING EASY INSTALLATION
(No maintenance required)



GERMAN TECHNOLOGY

IPC Piping CPA air compressor pipe line adopts German Electrophoresis & Epoxy Resin outer coating and high temperature resistant inner coating on the basis of internal and external galvanized carbon steel pipe, and the neutral salt spray of the product can reach 1000 hours, and the traditional ordinary cold galvanizing is only 96 hours, and the hot-dip galvanizing is about 200 hours.

Our product is green, eco-friendly, with better corrosion resistance and product life of 30 years.



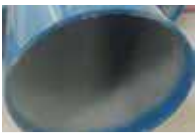
German Electrophoresis & Epoxy Resin Outer Coating

- Excellent corrosion resistance, strong weather resistance, good color retention.
- Salt spray test can reach more than 1000 hours.
- Strong adhesion, the coating is not easy to fall off and bruise.
- It can prevent the thermal aging of the thermal insulation material or the corrosion effect on the outer wall of the pipeline after being hydrolyzed by moisture.

High temperature resistant coating

- High density. Low porosity. Strong resistance to penetration of water, oxygen and ion.
- Smooth surface, low flow resistance, oil resistance,not easy to scale.
- High binding force, not easy to foam or peel.
- Good anti-corrosion effect and long life.

COMPARING WITH TRADITIONAL GALVANIZED PIPE



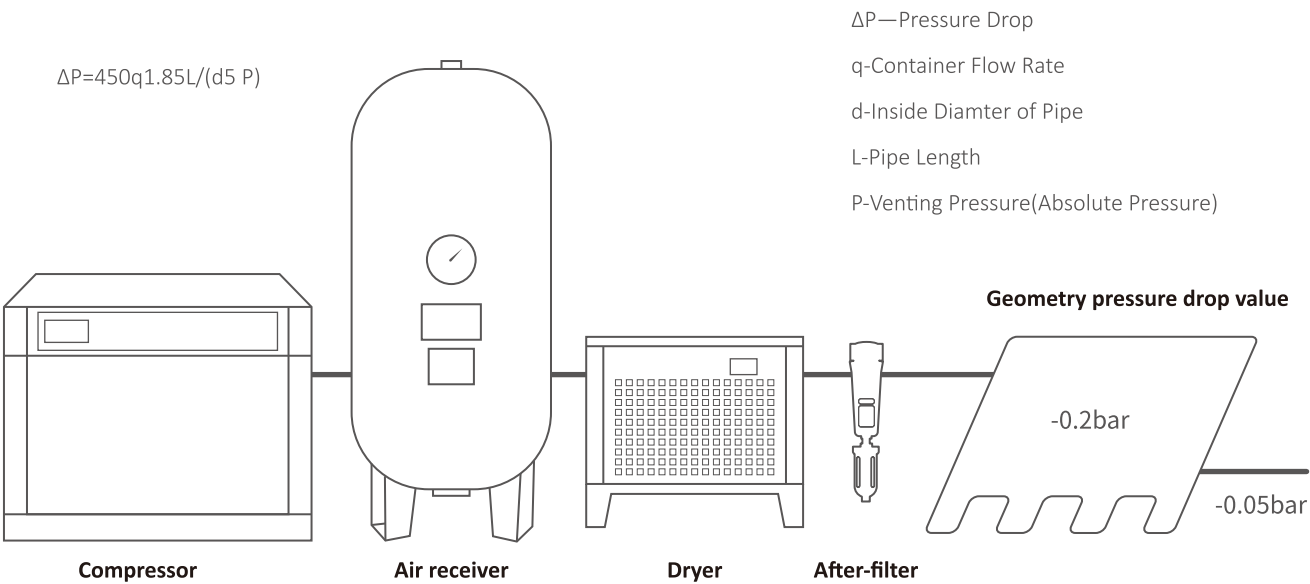
- Smooth surface,low coefficient of friction
- Low Initial pressure drop
- Pipes and pipe fittings are coated with epoxy resin inside and outside, not easy to be corroded
- Pipes in light weight
- Professional tools, easy installation and low labor intensity
- Compact design with less local pressure loss
- German technology safe and reliable
- 20%-30% saving in total cost
- Longer lifecycle



- Rough surface and high coefficient of friction
- High initial pressure drop
- The corrosion resistance of pipes and fittings depends on the galvanized layer. The interface is more prone to corrosion
- Pipes are heavy
- Threaded connection, on-site processing, time-consuming and labor-intensive
- Casting products, the local pressure loss is large
- Threaded connection, PTFE tape sealing, great potential risk
- Much higher total cost

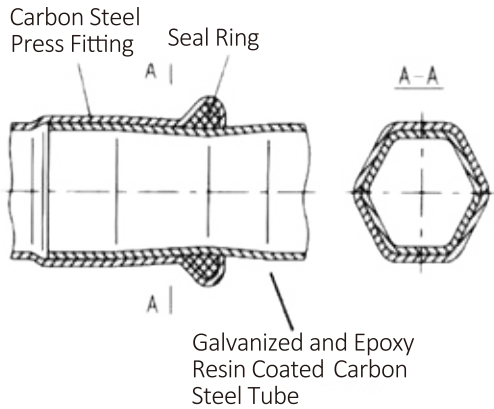


The apongee of the pressure drop is the pressure difference between the point of creation and the point farthest from the installation. High pressure drop means that the compressor adjustment pressure value should be set higher to compensate for the pressure drop.



PRESS FITTING

Since the invention of press connection various regions and countries around the world have gradually abandoned traditional piping connection such as welding, thread, etc. but accept this reliable, fast and cost-saving press fitting. It has been widely applied to many metal piping.The sealing of pressing is to compress the elastic rubber O-ring and press tightly in the radial direction without any gap.



Pulling out Resistance : the pressed part is deformed to be smaller than the pipeline. Press fitting is quickly installed and an ideal fitting for harsh installation environment Avoid the labor like thread-ing welding etc. The time for one press cycle is less than half of the traditional threaded fitting. The press technology provides simple installation whether in narrow pipeline well or in water seepage trench.

PULLOUT RESISTANCE OVER 1200N, 7 SECONDS INSTALLATION, LONGERLIFECYCLE

	TOOLS AND ACCESSORIES	PROCESS PROCEDURE	INSTALLER QUALIFICATION	CORROSION RESISTANCE	TIME FOR INSTALLATION	LABOR DEMAND
WELDING CONNECTION	Heavy tools and numerous accessories	Potential risk of safety with open flame welding	Skilled welding operator with 3-5 years of experience	Repeated painting process	More than 60 minutes	6 operators
THREAD CONNECTION	Heavy tools and numerous accessories	Heavy and complicated threading operation	Skilled operator with 1-2 years of experience	Repeated painting process	30 minutes	4 operators
PRESS QUICK INSTALLATION CONNECTION	Easy tools and simple cross checking	One press done	Simple training Quick start	NO	15 minutes	2 operators

ONLY 7 SECONDS FOR EACH PRESS



1.TUBE CUTTING

It is important to ensure that the tube is cut completely square. Tube ends should be clean and free from scratches not less than the socket length. check the tube has retained its shape.



2.DEBURRING

Make sure that the internal and external tube end is free from burrs or sharp edges by using a deburring tool to prevent damage to the O-ring.Then wipe the tube end clean to avoid damaging the O-ring on tube insertion.



3.INSERTION DEPTH MARKING

The tube must be fully inserted into the fitting until it reaches the tube stop in order to make a perfect joint. Marking insertion depth will ensure that any tube movement is detected, which is especially important if the joints are to be pressed at a later time.



4.COMPLETE THE JOINT

Ensure that the correct size jaw for the fitting is inserted into the tool. The jaws must be placed square on the fitting. Depress the trigger/button to begin the compression cycle of the tool. This is complete when the mouth of the fitting is fully enclosed by the jaws. Now release the jaws from around the fitting.

PATENTED RING



Visible Safety

- Blatant warning of un-pressed joints.
- Pressing friction force reduced. Fitting coating layer protected.
- Different colors indicate different usage of the fittings.

National Patents:

- ZL201120458332.6
- ZL201130427282.0
- ZL201130427281.6
- ZL201110366380.7

O-RING LIFETIME: 70 YEARS

- Significant anti-abrasion performance under extremely hazardous conditions.
- Out standing expanding properties to achieve liquid resistance(oils that contain corrosive additives)
- Good heat resistance. Ozone resistance. Weathering aging resistance. Resistance to chemical acid and alkali.
- Maintains good mechanical properties even under rising temperature.
- Excellent acid resistance(sulfuretted hydrogen) and resistance to amine / oil mixtures.

Material	Temperature Range	Max. Working Pressure	Product Compatibility
EPDM (Black)	-30 C -120 C	1.05Mpa	Oil-free air compressed system(conform to ISO 8573-1 1-3)



PRESS TOOL

Safe, effective and economical fast fit pressing can only be realized when the pipe, fitting and tool coordinate and match with each other. We select high quality and professional international pressing tool brands to fit the demand of fast fit pressing connection under different conditions. One set of tools can be suitable for all calibres. Installation will be more convenient.

- High-strength forged steel jaws, strong, durable and excellent performance.
- High-performance lithium battery ensures 200 crimping cycles after fully recharge.
- Long service time, 32,000 crimping cycles after maintenance.
- Only 7 seconds automated crimping process with single finger press
- LED display screen, easy to read working status.
- Automatically reset to starting position after each crimp.
- Spring driven pin to fix press jaw effectively prevents misoperation.
- 270° rotation
- Compatible with other 18V lithium batteries and power adapters.

We offer variant accessories for different press system circumstances.



Jaw: 15-18-22-28



Ring: 35-42-54-76-89-108



STANDARD

GB/T 27891-2011



CJ/T 433-2013



T/CECS618-2019

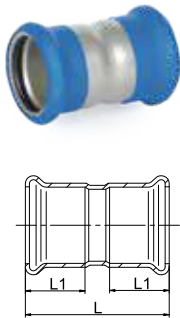


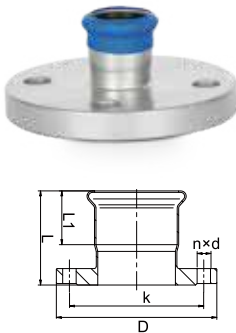
According to "Technical Specifications for Press Type Carbon Steel Pipeline Engineering" TCECS618-2019,4.1.1, the working pressure of carbon steel press type pipe system shall not be greater than the nominal pressure of the pipe and pipe fittings. When used for compressed air, the working pressure should not be larger than 1.05MPa.

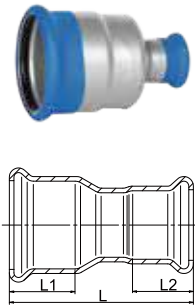
CNAS CERTIFIED LAB

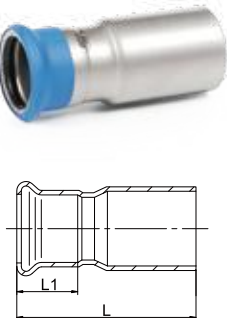


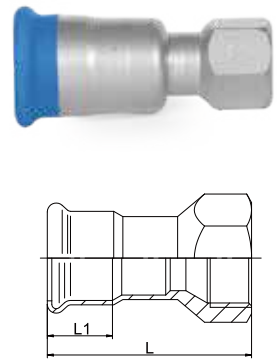
Press Pipe	Epoxy Resin Coating Carbon Steel Pipe			
	Item Number	Nominal diameter (DN)	Size (mm)	Length (mm)
	28571830001	20	22×1.5	3m
	28571840000	25	28×1.5	3m
	28571850001	32	35×1.5	3m
	28571860001	40	42×1.5	3m
	28571870000	50	54×1.5	3m
	28571880004	65	76.1×2.0	6m
	28571880005	80	88.9×2.0	6m
	28571880006	100	108×2.0	6m

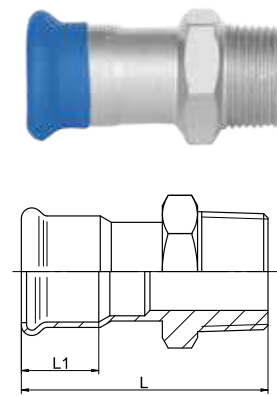
Press Fittings	Equal Coupler				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621030014	20	22	20.5	50
	28621040026	25	28	22.5	54
	28621050021	32	35	26	65
	28621060024	40	42	30	74
	28621070029	50	54	34.5	85
	28621080062	65	76.1	51.5	141
	28621080063	80	88.9	58	162
	28621080064	100	108	72	194

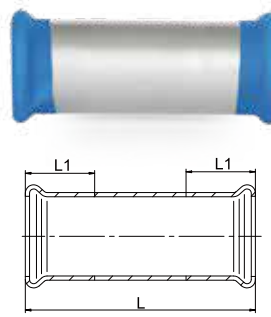
Press Fittings	Flange Adaptor							
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	D (mm)	K (mm)	nxd (mm)
	28621030023	20	22	20.5	44	105	Φ75	4×Φ14
	28621040034	25	28	22.5	50	115	Φ85	4×Φ14
	28621050032	32	35	26	65	140	Φ100	4×Φ18
	28621060035	40	42	30	74	140	Φ110	4×Φ18
	28621070044	50	54	34.5	90	165	Φ125	4×Φ18
	28621080090	65	76.1	51.5	109	185	Φ145	8×Φ18
	28621080091	80	88.9	58	123	200	Φ160	8×Φ18
	28621080092	100	108	72	150	220	Φ180	8×Φ18

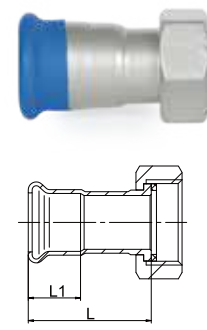
Press Fittings	Reduced Coupler					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L2 (mm)	L (mm)
	28621040027	25×20	28×22	22.5	20.5	68
	28621050022	32×20	35×22	26	20.5	86
	28621050023	32×25	35×28	26	22.5	76.5
	28621060025	40×20	42×22	30	20.5	87.5
	28621060026	40×25	42×28	30	22.5	91
	28621060027	40×32	42×35	30	26	77
	28621070030	50×20	54×22	34.5	20.5	95
	28621070031	50×25	54×28	34.5	22.5	98.5
	28621070032	50×32	54×35	34.5	26	101
	28621070033	50×40	54×42	34.5	30	96.5
	28621080065	65×25	76.1×28	51.5	22.5	137
	28621080066	65×32	76.1×35	51.5	26	139
	28621080067	65×40	76.1×42	51.5	30	136.5
	28621080067	65×50	76.1×54	51.5	34.5	143.5
	28621080069	80×32	88.9×35	58	26	149.5
	28621080070	80×40	88.9×42	58	30	154
	28621080071	80×50	88.9×54	58	34.5	155.5
	28621080072	80×65	88.9×76.1	58	51.5	172.5
	28621080073	100×50	108×54	72	34.5	181.5
	28621080074	100×65	108×76.1	72	51.5	194
	28621080075	100×80	108×88.9	72	58	205

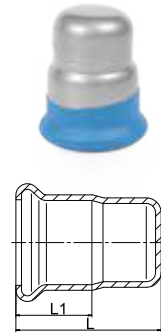
Press Fittings	Fitting Reducer				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621040028	25×20	28×22	22.5	73.5
	28621050024	32×20	35×22	26	93.5
	28621050025	32×25	35×28	26	84
	28621060028	40×20	42×22	30	93.5
	28621060029	40×25	42×28	30	97
	28621060030	40×32	42×35	30	96.5
	28621070034	50×20	54×22	34.5	97.5
	28621070035	50×25	54×28	34.5	101
	28621070036	50×32	54×35	34.5	103.5
	28621070037	50×40	54×42	34.5	99
	28621080024	65×40	76.1×42	51.5	139
	28621080076	65×50	76.1×54	51.5	146
	28621080077	80×50	88.9×54	58	157.5
	28621080078	80×65	88.9×76.1	58	177
	28621080079	100×65	108×76.1	72	192
	28621080080	100×80	108×88.9	72	202

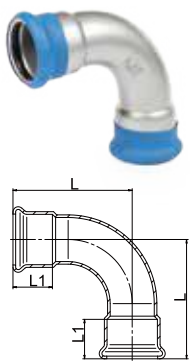
Press Fittings	Straight Female Adaptor				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621030015	22×Rp1/2	22×Rp1/2"	20.5	61.5
	28621030016	22×Rp3/4	22×Rp3/4"	20.5	61.5
	28621040029	25×Rp3/4	28×Rp3/4"	22.5	65
	28621040030	25×Rp1	28×Rp1"	22.5	69
	28621050026	32×Rp3/4	35×Rp3/4"	26	84.5
	28621050027	32×Rp1	35×Rp1"	26	71.5
	28621050028	32×Rp1-1/4	35×Rp1-1/4"	26	74
	28621060031	40×Rp1-1/2	42×Rp1-1/2"	30	78
	28621070038	50×Rp2	54×Rp2"	34.5	90.5
	28621080081	65×Rp2-1/2	76.1×Rp2-1/2"	51.5	117.5
	28621080082	80×Rp3	88.9×Rp3"	58	133
	28621080083	100×Rp4	108×Rp4"	72	152

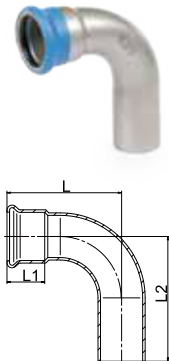
Press Fittings	Straight Male Adapter				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621030018	20×R1/2	22×R1/2"	20.5	55
	28621030019	20×R3/4	22×R3/4"	20.5	59
	28621040031	25×R1	28×R1"	22.5	62
	28621050029	32×R1-1/4	35×R1-1/4"	26	72.5
	28621060032	40×R1-1/2	42×R1-1/2"	30	83
	28621070040	50×R1-1/4	54×R1-1/4"	34.5	98.5
	28621070041	50×R1-1/2	54×R1-1/2"	34.5	87.5
	28621070039	50×R2	54×R2"	34.5	90
	28621080084	65×R2-1/2	76.1×R2-1/2"	51.5	117.5
	28621080085	80×R3	88.9×R3"	58	138
	28621080086	100×R4	108×R4"	72	162

Press Fittings	Slip Coupler				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	2862102003	15	18	25	78
	2862103002	20	22	25	82.5
	2862104004	25	28	30	90
	28621050015	32	35	30	103.5
	2862106005	40	42	40	114
	2862107004	50	54	40	141.5
	28621080010	65	76.1	60	230
	28621080033	80	88.9	70	260
	28621080034	100	108	80	310

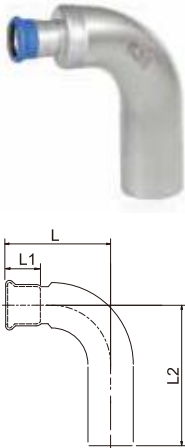
Press Fittings	Straight Female Adaptor with Swivel Nut				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621030021	20×G3/4	22×G3/4"	20.5	47.5
	28621040032	25×G1	28×G1"	22.5	52.5
	28621050030	32×G1-1/4	35×G1-1/4"	26	61.5
	28621060033	40×G1-1/2	42×G1-1/2"	30	70
	28621070042	50×G2	54×G2"	34.5	85

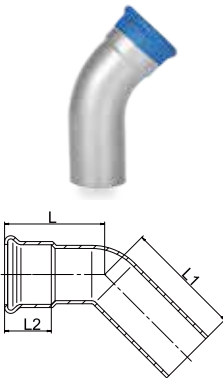
Press Fittings	End Cap				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621430001	20	22	20.5	44.5
	28621440002	25	28	22.5	48
	28621450002	32	35	26	51.5
	28621460001	40	42	30	53
	28621470001	50	54	34.5	62.5
	28621480003	65	76.1	51.5	101
	28621480004	80	88.9	58	112
	28621480005	100	108	72	134

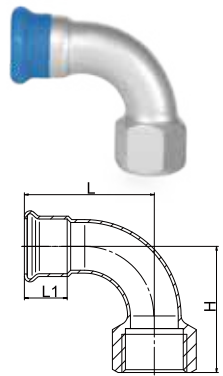
Press Fittings	90° Elbow				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621130017	20	22	20.5	57
	28621140023	25	28	22.5	68
	28621150019	32	35	26	81
	28621160015	40	42	30	93
	28621170020	50	54	34.5	116
	28621180040	65	76.1	51.5	140.5
	28621180041	80	88.9	58	178.5
	28621180042	100	108	72	199

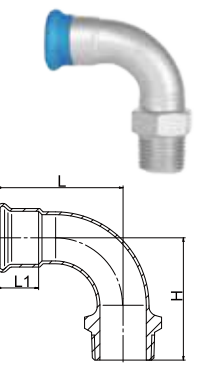
Press Fittings	90° Street Elbow					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L2 (mm)	L (mm)
	28621130018	20	22	20.5	67	57
	28621140024	25	28	22.5	78	68
	28621150020	32	35	26	83	81
	28621160016	40	42	30	100	93
	28621170021	50	54	34.5	125	116
	28621180043	65	76.1	51.5	143	140.5
	28621180044	80	88.9	58	180.5	178.5
	28621180045	100	108	72	200	199

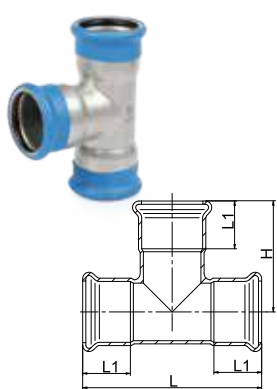
Press Fittings	45° Obtuse Elbow				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)
	28621130019	20	22	20.5	42
	28621140025	25	28	22.5	48
	28621150021	32	35	26	55
	28621160017	40	42	30	65
	28621170022	50	54	34.5	78
	28621180046	65	76.1	51.5	104.5
	28621180047	80	88.9	58	122.5
	28621180048	100	108	72	151

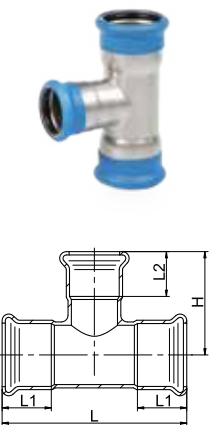
Press Fittings		Fitting Elbow				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	L2 (mm)
	28621140027	25×20	28×22	22.5	57	81
	28621150023	32×20	35×22	26	57	88
	28621150024	32×25	35×28	26	68	96.5
	28621160019	40×20	42×22	30	57	88
	28621160020	40×25	42×28	30	68	97.5
	28621160021	40×32	42×35	30	81	113
	28621170024	50×20	54×22	34.5	57	93
	28621170025	50×25	54×28	34.5	68	100.5
	28621170026	50×32	54×35	34.5	81	110
	28621170027	50×40	54×42	34.5	93	125

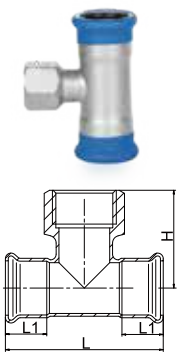
Press Fittings		45°Street Elbow				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L2 (mm)	L (mm)
	28621130020	20	22	56	20.5	42
	28621140026	25	28	60	22.5	48
	28621150022	32	35	68	26	55
	28621160018	40	42	78	30	65
	28621170023	50	54	92	34.5	78
	28621180049	65	76.1	107	51.5	104.5
	28621180050	80	88.9	135	58	122.5
	28621180051	100	108	152	72	151

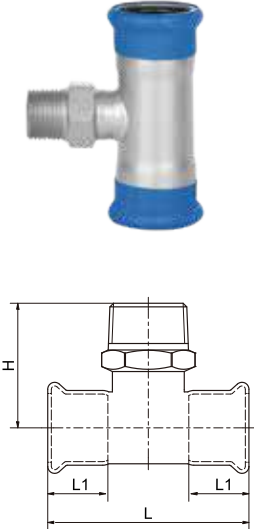
Press Fittings	90°Female Threaded Elbow					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	H (mm)
	28621130021	20×Rp3/4	22×Rp3/4"	20.5	57	56
	28621140028	25×Rp1	28×Rp1"	22.5	68	68.5
	28621150025	32×Rp1-1/4	35×Rp1-1/4"	26	81	80
	28621160022	40×Rp1-1/2	42×Rp1-1/2"	30	93	90
	28621170028	50×Rp2	54×Rp2"	34.5	116	111

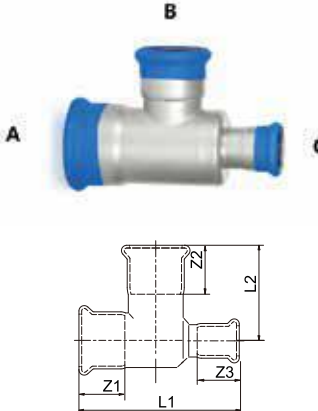
Press Fittings	90°Male Threaded Elbow					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	H (mm)
	28621130022	20×R3/4	22×R3/4"	20.5	57	60
	28621140029	25×R1	28×R1"	22.5	68	69.5
	28621150026	32×R1-1/4	35×R1-1/4"	26	81	83.5
	28621160023	40×R1-1/2	42×R1-1/2"	30	93	95
	28621170029	50×R2	54×R2"	34.5	116	115.5

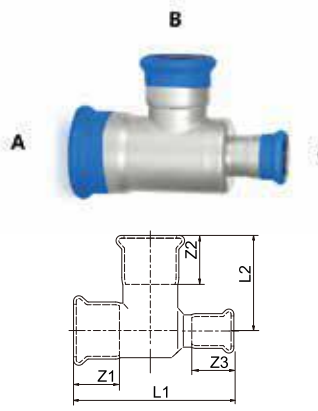
Press Fittings	Equal Tee					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	H (mm)
	28621230011	20	22	20.5	74	45
	28621240024	25	28	22.5	84	52
	28621250030	32	35	26	102.5	57
	28621260027	40	42	30	116.5	62
	28621270034	50	54	34.5	140.5	76.5
	28621280038	65	76.4	51.5	224	109.5
	28621280039	80	88.9	58	251.5	126.5
	28621280040	100	108	72	304.5	152

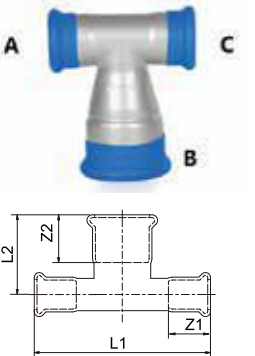
Press Fittings	Reduced Branch Tee						
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L2 (mm)	L (mm)	H (mm)
	28621240025	25×20	28×22	22.5	20.5	84	48.5
	28621250031	32×20	35×22	26	20.5	102.5	51
	28621250032	32×25	35×28	26	22.5	102.5	54.5
	28621260028	40×20	42×22	30	20.5	116.5	54.5
	28621260029	40×25	42×28	30	22.5	116.5	58
	28621260030	40×32	42×35	30	26	116.5	60.5
	28621270035	50×20	54×22	34.5	20.5	140.5	60.5
	28621270036	50×25	54×28	34.5	22.5	140.5	64
	28621270037	50×32	54×35	34.5	26	140.5	66.5
	28621270038	50×40	54×42	34.5	30	140.5	68
	28621280041	65×25	76.1×28	51.5	22.5	224	77
	28621280042	65×32	76.1×35	51.5	26	224	79.5
	28621280043	65×40	76.1×42	51.5	30	224	81
	28621280044	65×50	76.1×54	51.5	34.5	224	89.5
	28621280045	80×25	88.9×28	58	22.5	251.5	83.5
	28621280046	80×32	88.9×35	58	26	251.5	86
	28621280047	80×40	88.9×42	58	30	251.5	87.5
	28621280048	80×50	88.9×54	58	34.5	251.5	96
	28621280049	80×65	88.9×76.1	58	51.5	251.5	116
	28621280050	100×25	108×28	72	22.5	304.5	93
	28621280051	100×32	108×35	72	26	304.5	95.5
	28621280052	100×40	108×42	72	30	304.5	97
	28621280053	100×50	108×54	72	34.5	304.5	105.5
	28621280054	100×65	108×76.1	72	51.5	304.5	125.5
	28621280055	100×80	108×88.9	72	58	304.5	236

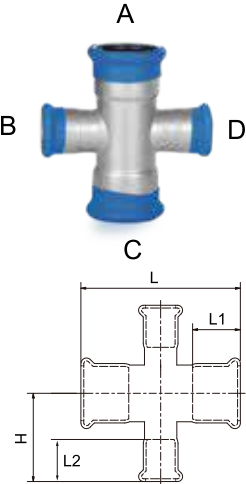
Press Fittings	Female Threaded Branch Tee					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	H (mm)
	28621240028	25×Rp1/2	28×Rp1/2"	22.5	84	47
	28621250039	32×Rp1/2	35×Rp1/2"	26	102.5	49.5
	28621250040	32×Rp1	35×Rp1"	26	102.5	53.5
	28621260040	40×Rp1/2	42×Rp1/2"	30	116.5	53
	28621270055	50×Rp1/2	54×Rp1/2"	34.5	140.5	59
	28621280070	65×Rp2-1/2	76.1×Rp2-1/2"	51.5	224	85
	28621280071	80×Rp3	88.9×Rp3"	58	251.5	94
	28621280072	100×Rp4	108×Rp4"	72	304.5	103

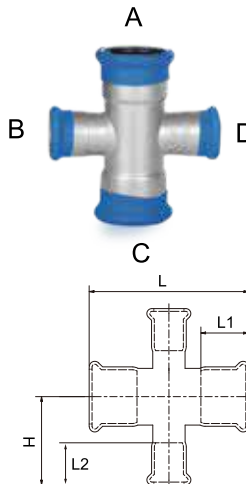
Press Fittings		Male Threaded Branch Tee				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	H (mm)
	28621220004	15×R1/2	18×R1/2	20	68	45.5
	28621230012	20×R1/2	22×R1/2"	20.5	74	46.5
	28621230013	20×R3/4	22×R3/4"	20.5	74	46.5
	28621240030	25×R1/2	28×R1/2"	22.5	84	50.5
	28621240031	25×R1	28×R1"	22.5	84	52
	28621250046	32×R1/2	35×R1/2"	26	102.5	53
	28621250047	32×R3/4	35×R3/4"	26	102.5	54
	28621250048	32×R1	35×R1"	26	102.5	55
	28621250049	32×R1-1/4	35×R1-1/4"	26	102.5	59.5
	28621260050	40×R1/2	42×R1/2"	30	116.5	56.5
	28621260051	40×R3/4	42×R3/4"	30	116.5	57.5
	28621260052	40×R1	42×R1"	30	116.5	58
	28621260053	40×R1-1/4	42×R1-1/4"	30	116.5	63
	28621270068	50×R1/2	54×R1/2"	35	140.5	62.5
	28621270069	50×R3/4	54×R3/4"	35	140.5	63.5
	28621270070	50×Rp1	54×R1"	35	140.5	64
	28621270071	50×R1-1/4	54×R1-1/4"	35	140.5	69
	28621270072	50×R1-1/2	54×R1-1/2"	35	140.5	71
	28621270073	50×R2	54×R2"	35	140.5	76.8
	28621280090	65×R3/4	76.1×R3/4"	53	230	73.5
	28621280091	65×R2	76.1×R2"	53	230	87
	28621280092	80×R3/4	88.9×R3/4"	58	260	80
	28621280093	80×R2	88.9×R2"	58	260	94
	28621280094	100×R3/4	108×R3/4"	72	310	89.5
	28621280095	100×R2	108×R2"	72	310	103

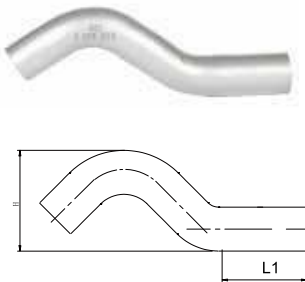
Press Fittings		Reduced End Tee						
	Item Number	Nominal diameter (DN)	Size (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)
	28621250033	32×25×25	35×28×28	26	22.5	22.5	109	54
	28621250034	32×32×25	35×35×28	26	26	22.5	109	58
	28621260031	40×25×25	42×28×28	30	22.5	22.5	133	59
	28621260032	40×25×32	42×28×35	30	22.5	26	119	61
	28621260033	40×32×25	42×35×28	30	26	22.5	133	62
	28621260034	40×32×32	42×35×35	30	26	26	119	62
	28621260035	40×40×25	42×42×28	30	30	22.5	134	63
	28621260039	50×25×25	54×28×28	34.5	22.5	22.6	146	65

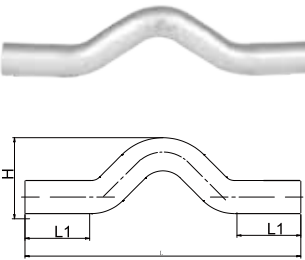
Press Fittings		Reduced End Tee						
	Item Number	Nominal diameter (DN)	Size (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)	L1 (mm)	L2 (mm)
	28621270040	50×25×32	54×28×35	34.5	22.5	26	143	65
	28621270041	50×25×40	54×28×42	34.5	22.5	30	141	65
	28621270042	50×32×25	54×35×28	34.5	26	22.5	147	68
	28621270043	50×32×32	54×35×35	34.5	26	26	153	68
	28621270044	50×32×40	54×35×42	34.5	26	30	145	68
	28621270045	50×40×25	54×42×28	34.5	30	22.5	147	69
	28621270046	50×40×32	54×42×35	34.5	30	26	150	69
	28621270047	50×40×40	54×42×42	34.5	30	30	145	69
	28621270048	50×50×25	54×54×28	34.5	34.5	22.5	151	77
	28621270049	50×50×32	54×54×35	34.5	34.5	26	154	77
	28621270050	50×50×40	54×54×42	34.5	34.5	30	149	77
	28621270051	50×65×32	54×76.4×35	34.5	51.5	26	273	110
	28621270052	50×65×40	54×76.1×42	34.5	51.5	30	275	110
	28621280056	65×32×50	76.1×35×54	51.5	26	34.5	228	78.5
	28621280057	65×40×50	76.1×42×54	51.5	30	34.5	228	80
	28621280058	65×50×32	76.1×54×35	51.5	34.5	26	223.5	89
	28621280059	65×50×40	76.1×54×42	51.5	34.5	30	223.5	89
	28621280060	65×50×50	76.1×54×54	51.5	34.5	34.5	228	89
	28621280061	65×65×32	76.1×76.1×35	51.5	51.5	26	223.5	109
	28621280062	65×80×32	76.1×88.9×35	51.5	58	26	296.5	127.5
	28621280063	65×80×50	76.4×88.9×54	51.5	58	34.5	301	127
	28621280064	80×25×65	88.9×28×76.1	58	22.5	51.5	276.5	83
	28621280065	80×32×65	88.9×35×76.1	58	26	51.5	276.5	86
	28621280066	80×65×40	88.9×76.1×42	58	51.5	30	248	115
	28621280067	80×65×50	88.9×76.1×54	58	51.5	34.5	250	115
	28621280068	80×80×65	88.9×88.9×76.1	58	58	51.5	276.5	126.5
	28621280069	100×80×50	108×88.9×54	72	58	34.5	295	137

Press Fittings		Reduced Branch Tee					
	Item Number	Nominal diameter (DN)	Size (mm)	Z1 (mm)	Z2 (mm)	L1 (mm)	L2 (mm)
	28621240026	25×32×25	28×35×28	22.5	26	84	64
	28621240027	25×40×25	28×42×28	22.5	30	84	72
	28621250037	32×40×32	35×42×35	26	30	102.5	72.5
	28621250038	32×50×32	35×54×35	26	35	102.5	82.5
	28621260038	40×50×40	42×54×42	30	35	116.5	82.5
	28621260039	40×65×40	42×76.1×42	30	51.5	116.5	99
	28621270053	50×80×50	54×88.9×54	35	72	140.5	120
	28621270054	50×65×50	54×76.1×54	35	58	140.5	106

Press Fittings	Reduced Cross						
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L2 (mm)	L (mm)	H (mm)
	28621340004	25×20×25×20	28×22×28×22	22.5	20.5	84	48.5
	28621350004	32×20×32×20	35×22×35×22	26	20.5	102.5	51
	28621350005	32×25×32×25	35×28×35×28	26	22.5	102.5	54.5
	28621360005	40×20×40×20	42×22×42×22	30	20.5	116.5	54.5
	28621360006	40×25×40×25	42×28×42×28	30	22.5	116.5	58
	28621360007	40×32×40×32	42×35×42×35	30	26	116.5	60.5
	28621370007	50×20×50×20	54×22×54×22	34.5	20.5	140.5	60.5
	28621370008	50×25×50×25	54×28×54×35	34.5	22.5	140.5	64
	28621370009	50×32×50×32	54×35×54×35	34.5	26	140.5	66.5
	28621370010	50×40×50×40	54×42×54×42	34.5	30	140.5	68
	28621350006	32×25×25×25	35×28×28×28	26	22.5	110	55
	28621360008	40×25×25×25	42×28×28×28	30	22.5	133	58
	28621360009	40×25×32×25	42×28×35×28	30	22.5	119	58
	28621360010	40×32×32×25	42×35×35×28	30	26	119	60.5
	28621360011	40×32×40×25	42×35×42×28	30	26	116.5	35end/60.5 28end/58
	28621360012	40×32×32×32	42×35×35×35	30	26	119	60.5
	28621370011	50×25×40×25	54×28×42×28	34.5	22.5	141	64
	28621370012	50×32×25×25	54×35×28×28	34.5	26	143	35end/66 28end/64
	28621370013	50×32×32×25	54×35×35×28	34.5	26	145.5	35end/66 28end/64
	28621370014	50×32×40×25	54×35×42×28	34.5	26	141	35end/66 28end/64
	28621370015	50×32×40×32	54×35×42×35	34.5	26	141	66
	28621370016	50×32×50×25	54×35×54×28	34.5	26	140.5	35end/66 28end/64
	28621370017	50×40×40×25	54×42×42×28	34.5	30	141	42end/67.5 28end/64
	28621370018	50×40×40×32	54×18×15×15	34.5	30	141	42end/67.5 35end/64
	28621370019	50×40×50×25	54×42×54×28	34.5	30	140.5	42end/67.5 28end/64
	28621370020	50×40×32×40	54×42×35×42	34.5	30	145.5	67.5
	28621370021	50×25×32×25	54×28×35×28	34.5	22.5	145.5	64
	28621370022	50×32×25×32	54×35×28×35	34.5	26	143	66
	28621380006	65×25×32×25	76.1×28×35×28	51.5	22.5	223	76
	28621380007	65×25×40×25	76.1×28×42×28	51.5	22.5	225	76
	28621380008	65×25×65×25	76.1×28×76.1×28	51.5	22.5	224	76
	28621380009	65×25×50×25	76.1×28×54×28	51.5	22.5	230	76
	28621380010	65×32×40×25	76.1×35×42×28	51.5	26	225	35end/79 28end/76
	28621380011	65×32×50×25	76.1×35×54×28	51.5	26	230	35end/79 28end/76
	28621380012	65×32×50×32	76.1×35×54×35	51.5	26	230	79
	28621380013	65×40×32×25	76.1×42×35×28	51.5	30	223	42end/67.5 28end/64
	28621380014	65×40×40×25	76.1×42×42×28	51.5	30	225	42end/67.5 28end/64
	28621380015	65×40×50×25	76.1×42×54×28	51.5	30	230	42end/67.5 28end/64
	28621380016	65×25×65×32	76.1×28×76.1×35	51.5	22.5	224	35end/66 28end/64
	28621380017	80×25×40×25	88.9×28×42×28	58	22.5	253	42end/87 28end/82
	28621380018	80×25×65×25	88.9×28×76.1×28	58	22.5	271	82

Press Fittings	Reduced Cross						
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L2 (mm)	L (mm)	H (mm)
	28621380019	80×25×80×25	88.9×28×88.9×28	58	22.5	58	22.5
	28621380020	80×32×50×25	88.9×35×54×28	58	26	34.5	22.5
	28621380021	80×32×50×32	88.9×35×54×35	58	26	34.5	26
	28621380022	80×32×65×25	88.9×35×76.1×28	58	26	51.5	22.5
	28621380023	80×32×65×32	88.9×35×76.1×35	58	26	51.5	26
	28621380024	80×32×80×25	88.9×35×88.9×28	58	26	58	22.5
	28621380025	80×40×50×25	88.9×42×54×28	58	30	34.5	22.5
	28621380026	80×40×50×40	88.9×42×54×42	58	30	34.5	30
	28621380027	80×40×65×25	88.9×42×76.1×28	58	30	51.5	22.5
	28621380028	80×40×65×40	88.9×42×76.1×42	58	30	51.5	30
	28621380029	80×40×80×40	88.9×42×88.9×42	58	30	58	30
	28621380030	80×50×80×50	88.9×54×88.9×54	58	34.5	58	34.5
	28621380031	80×65×80×65	88.9×76.1×88.9×76.1	58	51.5	58	51.5
	28621380032	100×32×100×25	108×35×108×28	72	26	72	22.5
	28621380033	100×32×100×32	108×35×108×35	72	26	72	26
	28621380034	100×40×100×40	108×42×108×42	72	30	72	30

Press Fittings	Cross Over				
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	H (mm)
	28621030025	20	22	38	62.5
	28621040036	25	28	56	61

Press Fittings	Full Cross Over					
	Item Number	Nominal diameter (DN)	Size (mm)	L1 (mm)	L (mm)	H (mm)
	28621030024	20	22	38	220	62.5
	28621040035	25	28	65	260	61

CERTIFICATIONS



检测 报告

報告編號: XJ2021C01D00583 中期.1

委托單位： 浙江維尼茂智慧管網股份有限公司

样品名称: 压接式涂塑碳钢管材、管件

检测类别: 型式检验

国家建筑材料质量监督检验中心
中国建材检验认证集团股份有限公司



国家建筑材料质量监督检验中心

检测报告

报告编号: XJ2021C01100583 中期.1

第 1 章 緒 言

样品名称	浙江天竺智能装备材料，零件	检测类别	型式检验
委托单位	浙江天竺天竺智能装备科技股份有限公司	抽样编号	CYC-CY-2021-0185
受托单位	浙江天竺天竺智能装备科技股份有限公司	需检	C(1) 浙江天竺
生产单位	浙江天竺天竺智能装备科技股份有限公司	样品状态	样品完好
抽样方法	国家建筑材料质量监督检验中心	空白规格	EN29 (2300 mm)
生产日期	2021年01月15日	抽样基数	零件(2,000个) 零件：1200个 零件：18个 零件：48个
接收日期	2021年03月31日	抽样人	陈祥君
抽样方式	随机抽样	抽样人	张明
检测地点	企业实验室	封样状态	封条完好
检测依据	金属材料力学性能试验方法	检测日期	2021年04月01日 02日
判定依据	CYT 433-2013《压延式钢制输送带材料及零件》 TCLCS 618-2019《压延式钢制输送带成型工艺规程》		
检测结果	经化学分析、物理力学试验符合21项检测技术要求。		
检测结论	“经检测，送检样品符合项目钢管中化学成分要求。送检产品表面漆层的附着力符合 T/CCEA 618-2019《压延式钢制输送带成型工艺规程》的技术标准；其他技术要求的检测结果符合 CYT 433-2013《压延式钢制输送带材料及零件》的技术要求，检测结论为合格。”		
		签发日期:	2021年04月02日 (检测专用章)
备注： 此报告为中试报告，附录以附件检测报告为准。			

批准: 李强 审核: 杨文 编制: 肖宇