

 **YAZD PIPE**

Industrial Group





Road, Housing & Urban developments
 Research Center's **Technical Certification**
 Polypropylene Pipes (PPRC-TYPE3)
 Polypropylene fittings (PPRC-TYPE3)
 Five Layered Pipes (PERT/AL/PERT)
 Polypropylene Push-Fit sewage Pipes



Iranian National Standard Certificate
 Polypropylene Pipes and fittings
 (hot-cold water and heating system)
 Five Layered Pipes (hot-cold water)
 Polypropylene Push-Fit sewage Pipes



ISO 9001

ISO 14001

OHSAS 18001

ISO 10002

ISO 10004

ISO 17025



Yazd Pipe Industrial Group's activity started in 1997 as the first producer of pipes and polypropylene fittings in Yazd. In order to create products with high quality, observe the principles of quality control has always been a priority for all employees of the company in various stages of the production process. With considering the needs of clients, Yazd Pipe has employed experienced experts and scholars, used the latest technology and high-quality raw materials, and launched production of pipes and five-layer fittings with the brand: Yazd Pipe.

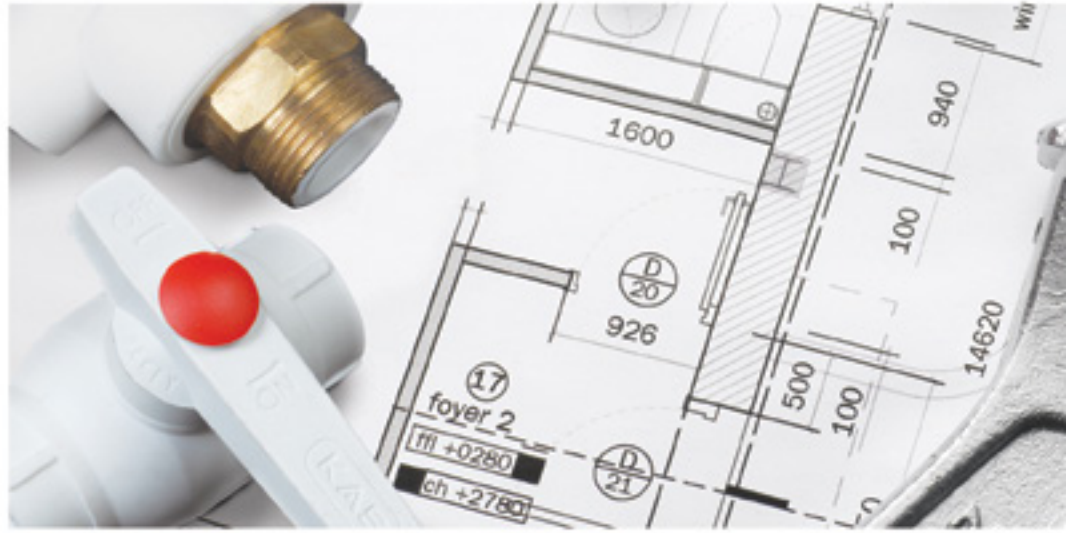
In 2015, in order to meet the needs of customers in the fastest time and with the best quality, series of push fit sewage products with Yazd Push-Fit brand, was added to Yazd Pipe production portfolio.

As a pioneer in production of pipe and polymer fittings in Iran, Yazd Pipe Industrial Group relies on God and tries to achieve customer satisfaction with various certifications and standards including:

- The holder of Iranian National Standard Certificate for polymer pipes, polymer fittings, five layers pipes and Push-Fit sewage pipes and fittings.
- The owner of technical certification from Road, Housing & Urban developments Research Center, for polymeric Pipe and fittings.
- The owner of technical certification from Road, Housing & Urban developments Research Center, for Five layered pipes and fittings.
- The owner of technical certification from Road, Housing & Urban developments Research Center, for Push-Fit sewage pipes and fittings.
- The holder of Iranian National Standard Certificate for polymeric pipes & fittings since 2004.
- The owner of Health license of construction from Iranian FDA.
- The owner of Statue of Regards for Consumer Rights in 2004, 2005, 2012, 2013 and 2015.
- The Owner of certifications: ISO 9001, ISO 14001, OHSAS 18001, ISO 10002, ISO 10004, ISO 17025.
- The receiver of Quality and Technology Certification award from International Certification Services, Inc. (ICS).
- The owner of laboratory accreditation standards based on ISO 17025.
- Gold award of the most well-known and most prestigious Iranian company.
- Regarded as the Top standard unit in Iran.
- Regarded as the Top industrial unit in Iran.
- Regarded as the Top national Brand in Iran.

And...

Fifty years factory warranty plus 10 years warranty of Iran Assurance company, is an indication of our confidence in Yazd Pipe Industrial Group productions, that we dedicate it with honor to our customers.



POLYPROPYLENE SINGLE-LAYER PIPES AND FITTINGS | YAZD PIPE |



Why Yazd Pipe's polypropylene Single-layer pipes and fittings?

- Yazd Pipe sanitary single-layer pipe and fittings are produced from best raw materials and hold the highest standards since 1997, And during this period has continuously improved the quality of the final product.
- Yazd Pipes is known as one of the most stable and highest quality products available in the market.
- Yazd Pipe Single-layer pipes and fittings compared to other types of pipes, does not rust, does not rot, and does not change the taste, color, and odor of water.
- Due to the low thermal conductivity is an efficient energy-saving heating system.
- Due to high flexibility, breakage is minimized and is suitable for earthquake prone areas.
- Due to the production of internal threads and fittings with polypropylene material, scale formation and corrosion in pipes are minimized and maintained complete sanitary for drinking water.
- Due to the smooth, inner surface of pipe and fitting, there is no pressure drop in these products.
- Due to careful design of fittings and using brass for fittings in various sizes, the connector can be sealed easily and is highly reliable.
- Single-layer piping can be used in the heating system (radiators and boilers) and is guaranteed by Iran Insurance Co.
- Yazd Pipe's single-layer products have a wide variety of pipes and fittings in various dimensions and suitable for different pressure levels.
- Using the best and finest materials for the impeccable sanitary outcome.
- Using the most up to date laboratory equipment and facilities in order to produce world quality products
- Having extensive distribution network and after-sales service in the country.
- Yazd Pipe's single-layer products are guaranteed for fifty years by Yazd Pipe Industrial Group and ten years guarantee from Iran Insurance Co.
- Having National Standard Certification and Technical Certification from The Roads, Housing and Urban developments Research Center for single-layer pipes and fittings.

Yazd Pipe Industrial Group proudly keeps a high-quality level for its products and provides needed raw materials from the best and most prestigious domestic and international manufacturing companies.



Double Brass Elbow

20x1.2
25x1.2



Union

20x1.2
25x3.4
32x1
40x1 1.4



Female Brass Elbow

20x1.2
20x3.4
25x1.2
25x3.4
32x3.4
32x1



Diaphragm Valve

20
25
32



Male Thread Socket

32x1
4.1.40x1
2.1.50x1
63x2



Male Brass Elbow

32x1
40x1 1.4



Bend

20
25



Female Thread Socket

20x1.2
25x1.2
25x3.4
32x1



Male Brass Elbow W/D

20x1.2
20x3.4
25x1.2
25x3.4



Socket Coupling

20
25
32
40
50
63
75



Male Brass Coupling

32x1
40x1 1.4
50x1 1.2
63x2
75x2 1.2



Female Brass Elbow W/D

20x1.2
20x3.4
25x1.2
25x3.4



One Step Ball Valve

20
25



Male Brass Union

2.20x1
2.25x1
4.25x3
32x1



Female Brass Tee

20x1.2
25x1.2
25x3.4



Cross Over Pipe

20
25
32
40



End Cap With Thread

20
25
32



Female Brass Tee W/D

20x1.2
25x1.2



Elbow 45°

20
25
32
40
50
63



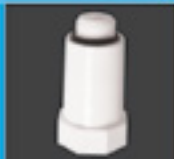
Tee

20
25
32
40
50
63
75



Test Plug

20
25



Elbow 90°

20
25
32
40
50
63
75



Double Pipe Clip

20
25



Pipe Clip

20
25
32
40



Reduce Elbow 90°

20x25



Holder

20



End Cap

20
25
32
40
50



Pipes

20
25
32
40
50
63
75
90



Reducer Union

25x20
32x20
32x25
40x20
40x25
40x32
50x20
50x25
50x32
50x40
63x32
63x40



63x50
75x40
75x50
75x63

Reducer Tee

25x20x25
25x20x20
25x25x20
32x20x20
32x20x32
32x20x25
32x25x20
32x25x32
32x25x25
32x32x20
32x32x25
40x20x40
40x25x32
40x25x40



40x25x25
40x32x40
50x32x50
50x40x50
63x50x63

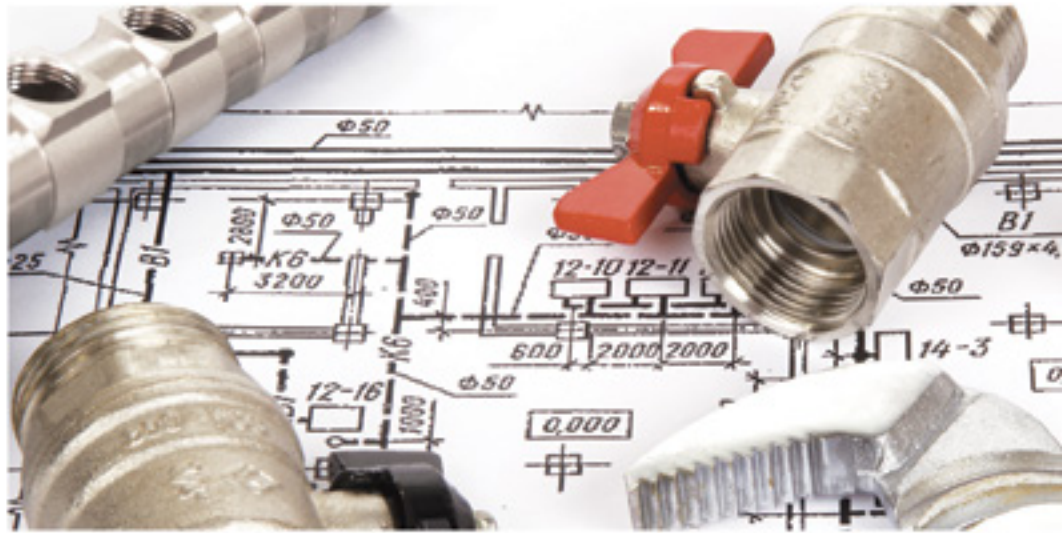
Products Range:

Yazd Pipe fittings and pipe are produced in different sizes 20, 25, 32, 40, 50, 63, 75, 90 and pressure levels of (PN10, PN16, and PN20).

External diameter (Mm)	Thickness (Mm)	Internal diameter (Mm)	Discharge (L/m)	weight per unit length (Kg/m)
20 mm	3.4 mm	13.2 mm	0.37 L/m	0.172 kg/m
25 mm	4.2 mm	16.6 mm	0.216 L/m	0.226 kg/m
32 mm	5.4 mm	21.2 mm	0.353 L/m	0.434 kg/m
40 mm	6.7 mm	26.6 mm	0.556 L/m	0.671 kg/m
50 mm	8.4 mm	33.2 mm	0.866 L/m	1.050 kg/m
63 mm	10.5 mm	42.0 mm	1.385 L/m	1.650 kg/m
75 mm	12.5 mm	50.0 mm	1.963 L/m	2.340 kg/m
90 mm	15 mm	60.0 mm	2.827 L/m	3.360 kg/m

Technical specifications table of Yazd Pipes tubes on the basis of different sizes (PN20)





FIVE-LAYER PIPES AND FITTINGS

| YAZDPIPE Consolidated pipes |



Why YAZD-PIPE's Five-layer Pex/PE-RT pipes?

YAZD-PIPE five-layer pipes, have many advantages such as flexibility, high heat resistance, and low linear expansion coefficient. These Products have many applications in sanitary piping systems for hot and cold water, air conditioning and heating systems, Radiant In-Floor heating systems and....

Five-layer pipes are formed of two-layer polymer, two adhesive layers and a layer of aluminum. The outer layer and inner layer are made of polymer based on polyethylene that is attached with two layers of glue to the middle layer which made of aluminum. In the manufacturing of five-layer pipes, Yazd Pipe uses the best raw materials and manufacturing processes to provide products with the highest standards and qualities.

YAZDPIPE's Five-layer pipes consist of 5 layers:

- 1. Outer Layer:** PE-RT with all properties. Protects aluminum layer against outer influences
- 2. Middle Layer:** Aluminum Foil is impermeable to oxygen
- 3. Inner Layer:** PE-RT with all properties. Providing the advantages and benefits of PE-RT.
- 4. Adhesive Layers:** Special glue which binds the aluminum with PE-RT layers.



Benefits of YAZD-PIPE five-layer pipes:

- Persistent heat resistance.
- High-pressure resistance.
- High resistance to rust, rot and acidic and alkaline environments.
- Prevent the accumulation of sediment and pressure drop.
- Low coefficient of linear expansion.
- The impenetrability of oxygen and ultraviolet radiation.
- Flexibility and speedy installation.
- High resistance against constructional subsidence and earthquake.



Installation Bracket

Single
Double
280
500



Straight / Reducing Nipple

1/2
3/4
1"



Five-Layer Pipes

16
20
25
32



Collector Cap

*1



Reduce Union Connector

20x 16
25 x 16
25 x 20
32 x 16
32 x 20
32 x 25



Female Adaptor

16 x 1/2
20 x 1/2
20 x 3/4
25 x 3/4
25 x 1
32 x 1



Stainless sleeve

16
20
25
32



Collector

2b, 3b
4b, 5b
6b, 7b
8b



Wallplate Press Elbow

16x1/2
20x1/2



Press Male Union

16 x 1/2
20 x 1/2
20 x 3/4
25 x 3/4
25 x 1
32 x 1



Press Equal Socket

16
20
25
32



Press Tee

16
20
25
32



Collector Box

45 x 45
45 x 65
45 x 95



Wallplate 90° Press Tee

16 x 1/2 x 16
20 x 1/2 x 20



Collector Valve

16x1/2



Reducing Press Tee

16x20x16
16x16x20
20x16x20
16x20x20
16x16x25
20x16x25
25x16x25
20x20x25
25x20x25
32x16x32



32x20x32
32x25x32
25x25x32

Press Female Elbow

16 x 1/2
20 x 1/2
20 x 3/4
25 x 3/4
25 x 1
32 x 1



Press Male Elbow

16
20
25
32



Press Fittings:

YazdPipe Press fittings, made of brass and nickel are manufactured with up to date technology to prevent corrosion, erosion, and decay.

Precision in design, constant quality control and using High-grade raw materials in accordance with international standards makes this type of products more durable and better sealed and guarantees a better outcome and easier installation compared to other types of fittings.

Interchangeable stainless sleeves connections in YAZDPIPE Fittings neutralizes the necessity to replace the entire piece.

1. **Stainless sleeve:** is interchangeable, and connects the piping to the pipe after pressing.
2. **Main Part:** can be any type of fittings (Elbow, Tee & ...).
3. **Plastic ring:** holds the steel Tube in place before pressing.
4. **Plastic O-Ring:** to better seals the pipe & fittings.

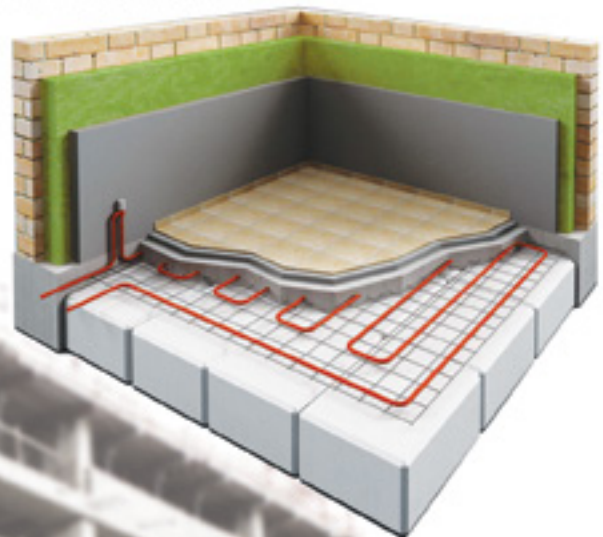


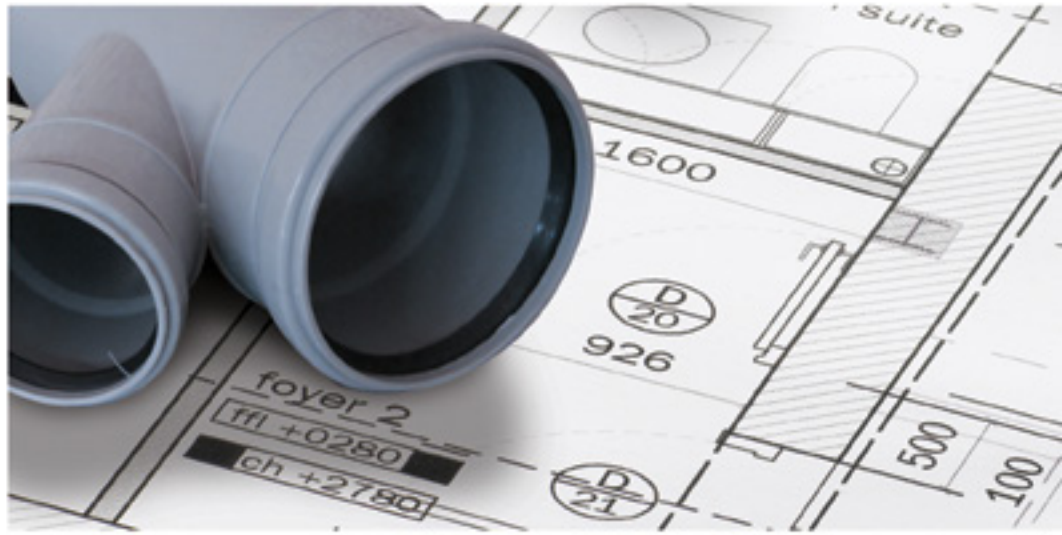
Radiant In-Floor heating systems:

Radiant heating systems supply heat directly to the floor or to panels in the wall or ceiling of a house. The systems depend largely on radiant heat transfer - the delivery of heat directly from the hot surface to the people and objects in the room via infrared radiation.

Radiant heating has a number of advantages. It is more efficient than baseboard heating and usually more efficient than forced-air heating because it eliminates duct losses.

Hydronic (liquid) systems are the most popular and cost-effective radiant heating systems for heating-dominated climates. Hydronic radiant floor systems pump heated water from a boiler through Five-layer pipes laid in a pattern under the floor.





PUSH-FIT PRODUCTS

| Yazd PUSH-FIT | Sewage Pipes and Fittings



What is Yazd PUSH-FIT?

Push-fit is sanitary sewage system comprised of pipe and fitting that in terms of quality and raw materials, design, manufacturing, ease of installation and... are superior to other existing sewer pipes and fittings ranging from polymer or alloy.

Because of the sockets in These pipes and fittings, there is no need to use glue or weld the parts together. Since the use of special raw material and manufacturing process, there is no fragility compared to other types of pipes and fittings and has a high resistance to strike and external pressure.

Yazd Pipe Industrial Group Push-Fit sewage products, known as Yazd PUSH-FIT are one of the highest quality of push-fit pipe and fittings in the market and are insured by IRAN INSURANCE co. for ten-year and fifty-year warranty from Yazd Pipe company.

Why Yazd PUSH-FIT?

- Ease and speed of installation due to the socket in push fit system that eliminates the use of adhesive or welding reduces administrative costs and turns this system to the most economical choice for the sewage piping system.
- Very simple and low-cost replacement of failed parts in the plumbing system without the need for cutting, gluing or welding.
- Due to the light weight doesn't impose additional loads to the building.
 - Stable and reliable sealing, even in subsidence in construction and nondestructive vibration due to the physical characteristics of the components.
- Having completely smooth inner surfaces and no extra appendages in the flow path; reduces the possibility of clogging and blockage of ducts and reduces maintenance and repair costs.
- Longitudinal changes caused by temperature in this type of pipe and fitting is very low and equal to 0.11 mm per each degree of temperature change.
- Resistance against strike, mechanical stress, thermal and chemical
- In Push-fit pipes compared to pipes made of polyethylene, cracks caused by long-term stress (Stress cracking) will not accrue.
- This type of wastewater system is suitable for temperatures up to 90° C.
- Compatible with all standard old sewage pipes and fittings, including plastic and other alloys.



- Durable and long life due to the use of the finest raw materials, fittings and sealing rings.
- Sealing rings used in Yazd PUSH-FIT are the best kind in the world with limitless lifetime (guaranteed for 100 years).
- High-grade raw materials, hot water resistant and light endurance, concludes the environmental criteria and in accordance with the standards: DIN 19560 and DIN_EN 1451.
- Resistant against inorganic salts, corrosive solvents, and mineral acids.
- Simple and flexible implementation due to the various dimensions of length and diameter (diameter 50 to 160 mm - Length 150 to 6000 mm).
- Design special constructional tools and equipment for easy and safe installation and administration.
- The sealing and sewage plumbing system have been tested in the worst possible conditions.
- Using the most advanced machinery and moldings for the production of pipes and fittings, eliminated the thinning in sections which pipe's wall and rings are connected and is completely consistent with standard DIN 19560.

Pipe Cutter and Beveler

50-125



Clamp

40
50
75
110
125
160



Expand Clamp

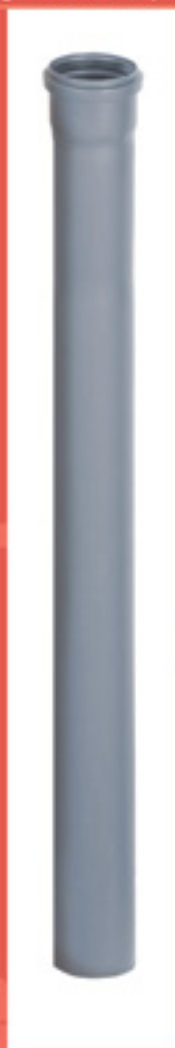
40
50
75
110
125
160



PUSH-FIT PRODUCTS

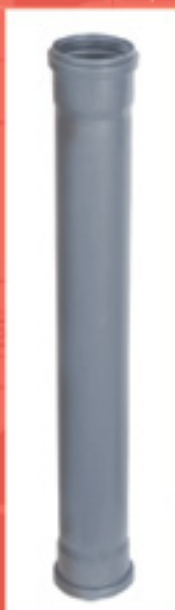
Single Socket Pipe

Length	Size
150	50
250	50
500	50
1000	50
2000	50
3000	50
6000	50
150	75
250	75
500	75
1000	75
2000	75
3000	75
6000	75
150	110
250	110
500	110
1000	110
2000	110
3000	110
6000	110
150	125
250	125
500	125
1000	125
2000	125
3000	125
6000	125
150	160
250	160
500	160
1000	160
2000	160
3000	160
6000	160



Double Socket Pipe

Length	Size
500	50
1000	50
2000	50
3000	50
500	75
1000	75
2000	75
3000	75
500	110
1000	110
2000	110
3000	110
500	125
1000	125
2000	125
3000	125
500	160
1000	160
2000	160
3000	160



87° Reduce Tee

50 x 75
50 x 110
110 x 125



Equal Tee

50
75
110
125
160



87° Elbow

50
75
110
125
160



45° Elbow

50
75
110
125
160



87° Long Elbow

50
75
110
125
160



Trap

50
75
110



Long-neck Trap

50-63
75
110
125



Test Stopper

100
125



Y Tee

50 x 75
50 x 110
75 x 110
110 x 125



Reducer Coupling

50 x 75
50 x 110
75 x 110
110 x 125



45° Reduce Tee

50
75
110
125
160



Coupling + Checking Hole

50
75
110
125



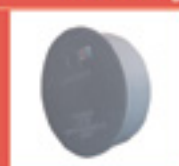
Coupling

50
75
110
125
160



Socket Plug

50
75
110
125
160



Vent Pipe

75
110
125



Checking Hole

50
75
110
125
160



WWW.YAZDPIPE.COM



Roads, Housing and Urban
Development's Research Center



Status of Regard for
Consumer Rights



Iranian National
Standard Certificate



10 Years Warranty



License of Health
FOA of IRAN



ISO 9002, 10004, 14001
17025, 9001, OHSAS 18001

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