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YAZD POOLICA


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یزد پولیکا

YAZD POOLICA

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Introducing Yazd Poolica Industries Manufacturing Co.

Yazd Poolica was operated in 1980 in Yazd province. Relying on the policy of the best quality in its products, this company has been able to have a significant presence in the markets of neighboring countries, the Persian Gulf and Central Asia, in addition to covering the domestic market and gaining a high percentage of the country's consumption market share. This Manufacturing group, as one of the first holders of Iran's national standard certificate in the field of UPVC pipe production, now, by diversifying its products, produces all kinds of UPVC pipes based on all Iranian national standards and international standards, for water supply purposes, sewage under pressure and without pressure, irrigation and agriculture, well walls, rainwater transmission, electricity and telecommunications cables, swimming pools, air conditioner drains and central vacuum cleaners in all types, and it responds to any request by having a quality control laboratory that is equipped with modern devices.

"Yazd Poolica Industries Manufacturing Group" in continuation of its development policy, with the establishment of "Yazd Etesal polymer manufacturing Company" expanded the variety of its fittings from the size of 20 to 400 mm in 2013, and by using modern equipment in the form of a separate factory and by creating the necessary employment and productivity has offered to the market in the mass volume of fittings needed in Construction industry, water and sewage, and agriculture.

The research and laboratory company "Pars Senjesh" was established in 2014 in order to update the information of the polymer industry with a focus on the PVC industry and this company.

This company by employing the experienced staff and the establishment of the ISO 17025 system and the creation of the accredited laboratories at the national level, has been able to bring many scientific and technical achievements to this production group in recent years, in addition to advanced tests on materials and products.

The R&D department of this production group is also active as a reference for product technical information, materials, equipment, product production methods and standards for the customers and personnel of the group. It is always seeking for improving and supporting the organization's knowledge and product quality continuously.

From the past, we have sought to accompany our customers by guaranteeing our products and providing the necessary guidance for use from installation to achieving the desired result, and in this regard, we have tried to play the role of the strongest supporter for our customers by benefiting from modern equipment in terms of quality control and production along with support of the R&D department.

Yazd Poolica Industries Manufacturing Group

Pars Sanjesh Research Laboratory

پارس سنجش یزد

This laboratory started its specialized activity with the aim of providing quality laboratory services in the field of UPVC Pipe & Fittings, in June 2013. Some of the most important tasks of this laboratory are to perform specialized tests of various types of UPVC Pipe & Fittings and tests related to raw materials According to the latest national and international standard methods such as ISIRI, INSO, DIN, ISO, ASTM, EN. Pars Sanjesh Research Laboratory has specialized and modern equipment from European brands, in the country, it has also managed to get accredited license from National Accreditation Center Of Iran ISO/IEC 17025 and also from Certified Official partner laboratory of the National Organization for Standardization and qualification.

This laboratory leads to improvement in the quality process of customers by providing quality services, including Yazd Poolica Industries Manufacturing Group and Yazd Etesal polymer manufacturing Company, which has tested the raw materials entering the factory to the final product, and has helped the formulation design group and the production department.

R &D Department

In recent years, research and development has been one of the most important scientific and research arms in the Yazd Poolica Industries Manufacturing Group. The R&D department has started its activity since the beginning of the establishment of this industrial group in 1980 in a continuous form with the aim of continuous improvement of the company's productions along with Pars Sanjesh laboratory and the production department. After 40 years of activity of Yazd Poolica Industries Manufacturing Group, the R&D department has continued its continuous improvement and excellence, and now it is in the strongest and best conditions since the establishment of the company.

The technological heart of Yazd Poolica Industries Manufacturing Group

The R &D department is considered as the technological heart of the production group of Yazd Poolica Industries Manufacturing Group, and its role is the technological feeding of the factory in line with the progress of science and knowledge. The research and development unit of the Yazd Poolica Industries Manufacturing Group is a technology seeker through research. In general, the missions of the R &D department can be summarized as follows:

- Accurate understanding of company strategies (current & future strategies)
- Understanding market needs
- Discovering new ideas and turning them into products
- Understanding & recognizing the trends of existing technologies & future technologies
- Creating an advantage based on the ability to continuously innovate
- Maintaining advantage & protection from innovation
- Interaction with external institutions such as universities & research centers

Achievements of the R &D department

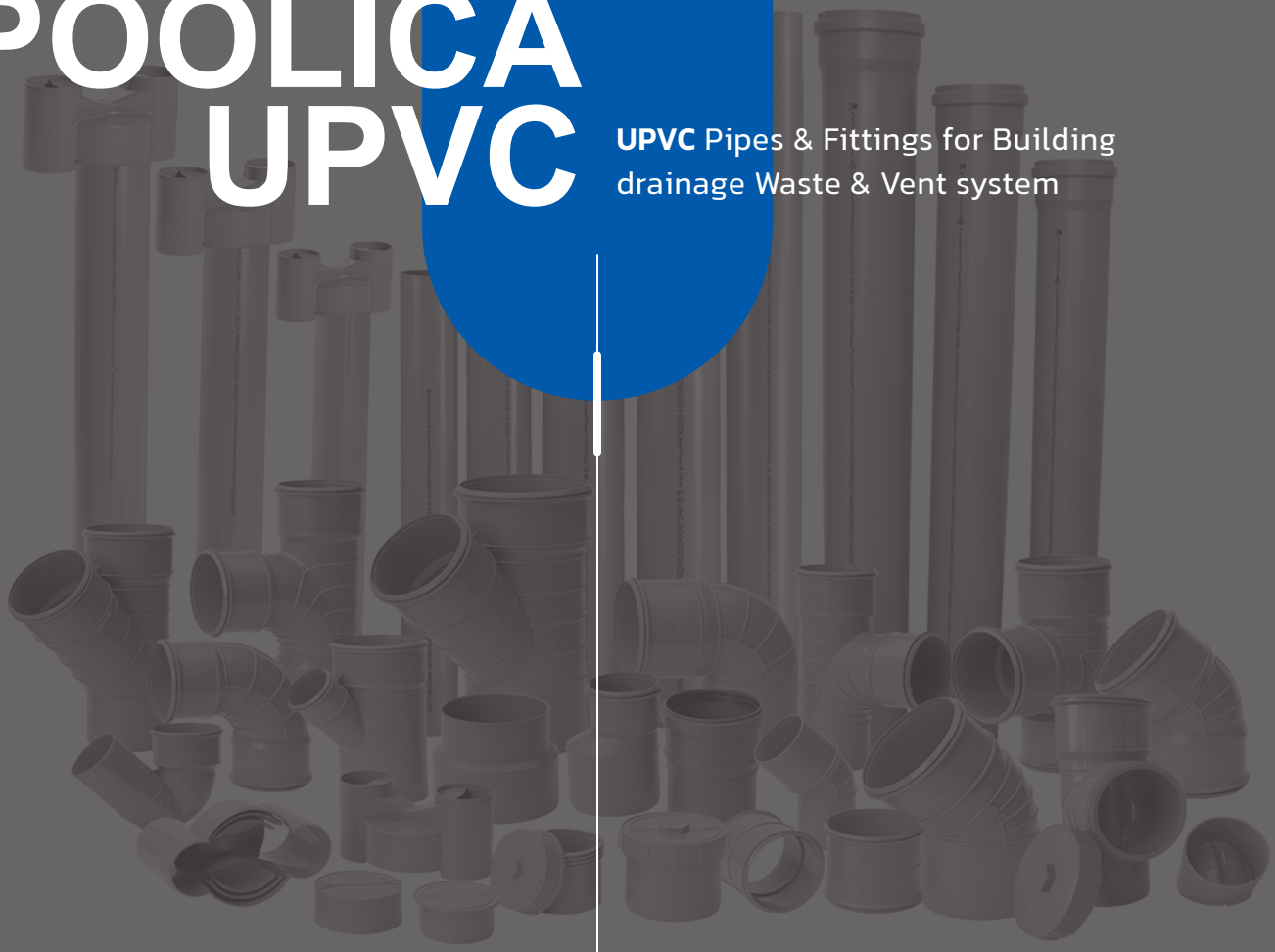
During the long years that have passed since the establishment of the R &D department of the Yazd Poolica Industries Manufacturing Group, it has resulted in many valuable achievements and activities, which can be referred to some of the newest activities of this department:

- Improving the sealing process in the connections produced by this company
- Improving the resistance of the connections produced by this company through the unique design used in the connections
- Making unique and innovative devices required by the company's production process and laboratory
- Designing and improving the technology of beveling and chamfering the company's high–pressure pipes
- Acquiring the technology to produce electrical pipes resistant to impact and external pressure

Some of the other achievements of this department include the presentation of scientific articles in conferences and various scientific and research magazines and also the publication of a book on the knowledge of UPVC pipes in two editions so far. Also, following the activities of this group, the Yazd Poolica Industries Manufacturing Group has been selected as the best industrial researcher in 2016, 2017 and 2021.

YAZD POOLICA UPVC

UPVC Pipes & Fittings for Building drainage Waste & Vent system



Properties and benefits of UPVC pipes in the field of sewage and construction facilities

- **Abrasion resistant** [1]
- **Stable and reliable sealing**
- **High modulus of elasticity (resistant to ovality)**
- **High strength and impact resistant**
- **Minimum coefficient of linear expansion compared to other polymers**
- **The lowest surface roughness coefficient (preventing sewage sedimentation)**
- **Non–Combusitible**
- **Preventing the spread of fire to building facilities during a fire**
- **Resistant to the growth of microorganisms and fungi**

1 - Abrasion resistance means an ability to withstand the wear and tear of friction caused by mechanical parts and instances of repetitive scraping or rubbing.

Types of UPVC Pipe & Fittings in the field of sewage and construction facilities:

1

1.Pipe & Fittings used in the transportation of waste inside the building based on: national standard INSO 9119–1 and international standard BS EN 1329–1

2

Rainwater pipes based on: national standard INSO 12142–1 and international standard BS EN 12200–1

3

Pipe & Fittings used in the discharge of underground sewage and drainage without pressure based on: national standard INSO 9118–1 and international standard BS EN 1401–1

- Grade B Pipe: can be used in the building area.
- Grade BD Pipe: can be used in the indoor area.
- The building and its surrounding space are buried up to one meter in the soil.

UPVC sewer pipes according to national and international standards

UPVC Piping systems for draining, sewage and wastewater of building

Application field		
	B	BD
Nominal outer diameter d_n	Thickness (mm)	
32	3	–
40	3	–
50	3	–
63	3	–
75	3	3
90	3	3
100	3	3
110	3.2	3.2
125	3.2	3.2
140	3.2	3.5
160	3.2	4
180	3.6	4.4
180	3.6	4.9
200	3.9	4.9
250	4.9	6.2
315	6.2	7.7

National Standard INSO 9119–1
International Standard BS EN 1329–1

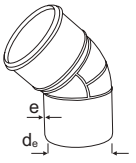
UPVC Piping systems buried in the soil for sewage applications and gravity drainage:

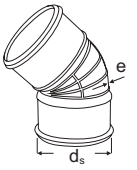
SDR	51	41	34	27.6
SN	2	4	8	16
Nominal outer diameter d		Thickness (mm)		
110	–	3.2	3.2	4
125	–	3.2	3.7	4.6
140	–	3.4	4.1	5.1
160	3.2	4	4.7	5.8
180	3.5	4.4	5.3	6.5
200	3.9	4.9	5.9	7.3
225	4.4	5.5	6.6	8.2
250	4.9	6.2	7.3	9.1
315	6.2	7.7	9.2	11.4
355	7	8.7	10.4	12.9
400	7.9	9.8	11.7	14.5
450	8.8	11	13.2	16.3
500	9.8	12.3	14.6	18.1
630	12.3	15.4	18.4	22.8
710	13.9	17.4	20.8	25.7
800	15.7	19.6	23.4	29
900	17.6	22	26.3	32.6
1000	19.6	24.5	29.2	36.2
1200	23.5	29.4	35.3	43.5
1400	27.4	34.3	41.2	50.7
1600	31.3	39.2	47	58

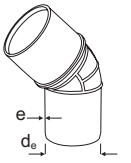
National Standard INSO 9118 – 1
International standard BS EN 1401 – 1

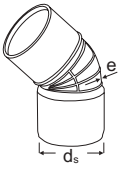
Elbow 45°







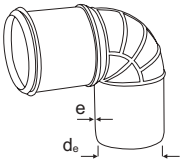


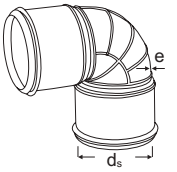
M/F	F/F	Plain M/F	Plain F/F

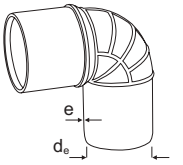
Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
32	3	B	M/F	–	–	–
32	3	B	F/F	–	–	–
50	3	B	M/F	–	–	–
50	3	B	F/F	–	–	–
63	3	B	M/F	–	–	–
63	3	B	Plain M/F	–	–	–
63	3	B	Plain M/F	–	–	–
75	3	B	Plain F/F	3	BD	4
75	3	B	M/F	3	BD	4
90	3	B	M/F	3	BD	4
110	3.2	B	F/F	3.2	BD	4
110	3.2	B	M/F	3.2	BD	4
125	3.2	B	M/F	3.2	BD	4
160	3.2	B	M/F	4	BD	4
200	3.9	B	M/F	4.9	BD	4
250	4.9	B	M/F	6.2	BD	4

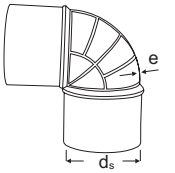
Elbow 90°





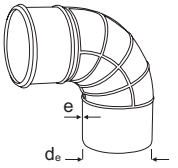




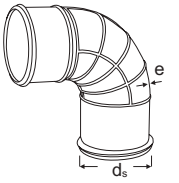
M/F	F/F	Plain M/F	Plain F/F

Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
32	3	B	M/F	-	-	-
32	3	B	F/F	-	-	-
50	3	B	M/F	-	-	-
63	3	B	M/F	-	-	-
63	3	B	F/F	-	-	-
63	3	B	Plain M/F	-	-	-
75	3	B	Plain M/F	3	BD	4
75	3	B	Plain F/F	3	BD	4
90	3	B	M/F	3	BD	4
110	3.2	B	M/F	3.2	BD	4
110	3.2	B	Plain M/F	3.2	BD	4
110	3.2	B	Plain F/F	3.2	BD	4
125	3.2	B	M/F	3.2	BD	4
160	3.2	B	M/F	4	BD	4
200	3.9	B	M/F	4.9	BD	4
250	4.9	B	M/F	6.2	BD	4

Elbow 87.5°



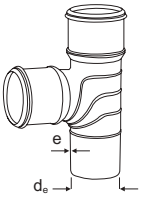
M/F



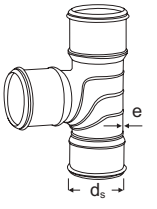
F/F

Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	3	B	M/F	–	–	–
63	3	B	F/F	–	–	–
110	3.2	B	M/F	3.2	BD	4
110	3.2	B	F/F	3.2	BD	4

Tee Bend 87.5°



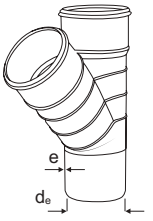
M/F



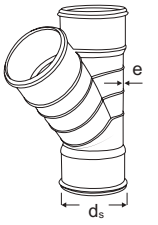
F/F

Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	3	B	M/F	–	–	–
63	3	B	F/F	–	–	–
110	3.2	B	M/F	3.2	BD	4
110	3.2	B	F/F	3.2	BD	4

Tee 45°



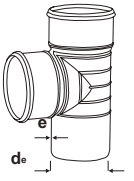
M/F



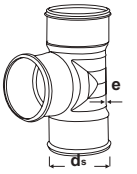
F/F

Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
32	3	B	M/F	–	–	–
32	3	B	F/F	–	–	–
50	3	B	M/F	–	–	–
50	3	B	F/F	–	–	–
63	3	B	M/F	–	–	–
63	3	B	M/F	–	–	–
75	3	B	F/F	3	BD	4
75	3	B	Plain M/F	3	BD	4
90	3	B	M/F	3	BD	4
110	3.2	B	M/F	3.2	BD	4
110	3.2	B	F/F	3.2	BD	4
125	3.2	B	M/F	3.2	BD	4
160	3.2	B	M/F	4	BD	4
200	3.9	B	M/F	4.9	BD	4
250	4.9	B	M/F	6.2	BD	4

Tee 90°



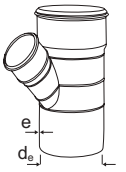
M/F



F/F

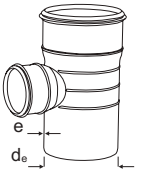
Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
32	3	B	M/F	–	–	–
32	3	B	F/F	–	–	–
50	3	B	Plain M/F	–	–	–
50	3	B	Plain F/F	–	–	–
63	3	B	M/F	–	–	–
63	3	B	Plain F/F	–	–	–
75	3	B	Plain M/F	3	BD	4
75	3	B	Plain F/F	3	BD	4
90	3	B	M/F	3	BD	4
110	3.2	B	M/F	3.2	BD	4
110	3.2	B	F/F	3.2	BD	4
125	3.2	B	M/F	3.2	BD	4
160	3.2	B	M/F	4	BD	4
200	3.9	B	M/F	4.9	BD	4
250	4.9	B	M/F	6.2	BD	4

Reducing Tee 45°



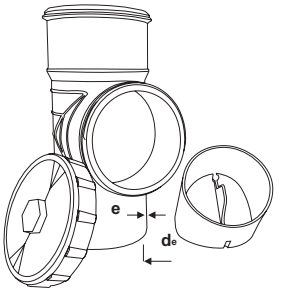
Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scope	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
90*63	3	B	M/F	–	–	–
110*63	3.2	B	M/F	–	–	–
110*90	3.2	B	M/F	3.2	BD	4
125*63	3.2	B	M/F	3.2	BD	4
125*90	3.2	B	M/F	3.2	BD	4
125*110	3.2	B	M/F	3.2	BD	4
160*110	3.2	B	M/F	4	BD	4

Reducing Tee 90°



Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application sco	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
90*63	3	B	M/F	3	BD	4
110*63	3.2	B	M/F	3.2	BD	4
110*90	3.2	B	M/F	3.2	BD	4
160*110	3.2	B	M/F	4	BD	4

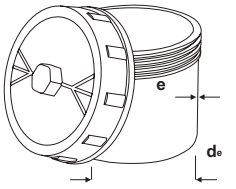
Clean out tee (Three pieces)



Preventing sewage sedimentation in the Cleanout's connection

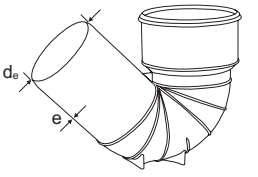
Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application sco	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
110*110*900	3.2	B	M/F	3.2	BD	4

Clean out



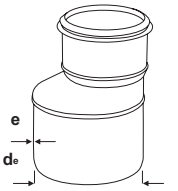
Diameter de/s (mm)	Thickness e (mm)	Application scope	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	3	B	–	–	–
90	3	B	3	BD	4
110	3.2	B	3.2	BD	4
125	3.2	B	3.2	BD	4
160	3.2	B	4	BD	4

Siphon



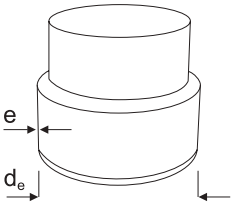
Diameter de/s (mm)	Thickness e (mm)	Application scope	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	3	B	–	–	–
90	3	B	3	BD	8
110	3.2	B	3.2	BD	8
125*110	3.2	B	3.2	BD	8

Eccentric Reducer



Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Thickness e (mm)	Application scope	Ring stiffness (SN)
63*50	3	B	-	-	-
90*63	3	B	3	BD	8
110*63	3.2	B	3.2	BD	8
110*90	3.2	B	3.2	BD	8
125*63	3.2	B	3.2	BD	4
125*90	3.2	B	3.2	BD	4
125*110	3.2	B	3.2	BD	8
160*110	3.2	B	4	BD	4
160*125	3.2	B	4	BD	4

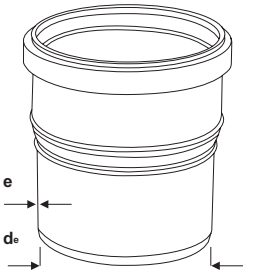
Concentric reducer



Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Thickness e (mm)	Application scope	Ring stiffness (SN)
200*160	3.9	B	4.9	BD	4
250*200	4.9	B	6.2	BD	4

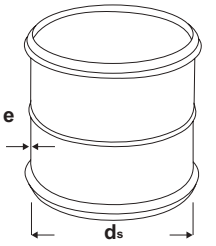
Mufe

- Reliable and stable sealing
- Ability to withstand work pressure
- The possibility of controlling the stresses entering the facilities



Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	3	B	–	–	–
90	3	B	3	BD	8
110	3.2	B	3.2	BD	8
125	3.2	B	3.2	BD	8

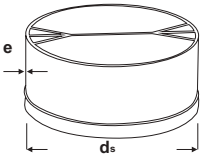
Coupling



A suitable alternative to the process of heating pipes

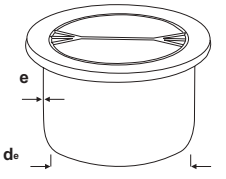
Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
40	2	B	–	–	–	–
50	2	B	–	–	–	–
63	2	B	–	–	–	–
75	2	B	Repair Coupling	2	BD	–
75	2	B	–	2	BD	–
90	2.3	B	–	2.3	BD	4
110	2.4	B	–	2.4	BD	8
125	2.4	B	–	2.4	BD	4
160	2.4	B	Repair Coupling	3	BD	4
160	2.4	B	–	3	BD	4
200	2.9	B	Repair Coupling	3.7	BD	4
200	2.9	B	–	3.7	BD	4
250	3.7	B	Repair Coupling	4.7	BD	4
250	3.7	B	–	4.7	BD	4

Female Cap



Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	2	B	–	–	–
90	2.3	B	2.3	BD	–
110	2.4	B	2.4	BD	–
125	2.4	B	2.4	BD	–

Male Cap



Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Thickness e (mm)	Application scope	Ring stiffness (SN)
63	3	B	–	–	–
90	3	B	3	BD	–
110	3.2	B	3.2	BD	–
125	3.2	B	3.2	BD	–

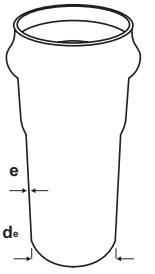
Rainwater pipes

UPVC Rain Water piping systems
for surface and gutter applications

Application scope		
Nominal oute diameter d_n	O – ring	Adhesive
	Thickness	
50	1.5	1.2
53	1.5	1.3
60	1.5	1.3
63	1.5	1.3
68	1.5	1.5
70	1.5	1.5
75	1.5	1.5
80	1.6	1.5
82	1.6	1.5
90	1.8	1.8
100	1.9	1.8
105	2	1.8
110	2.2	2
125	2.5	–
140	2.7	–
160	3.2	–

National Standard INSO 12142 – 1
International standard BS EN 12200 – 1

Mufe (rain water system)



Nominal outer diameter dn	Thickness (mm)	Work pressure tolerance (bar)
110	4.2	10
110	5.3	12.5
110	6.6	16
125	4.8	10
125	6	12.5
125	7.4	16
160	6.2	10
160	7.7	12.5
160	9.5	16
200	7.7	10
200	9.6	12.5
200	11.9	16

National Standard INSO 13361-2
International standard ISO 1452-2

- The possibility of controlling the stresses to the rainwater facilities
- Controlling the expansion & contraction of UPVC pipes & connections in the rainwater system
- High pressure tolerance and the possibility of integrated testing

YAZD POOLICA UPVC

UPVC drainage Pipe & Fittings for air conditioning system

Advantages of drainage pipe

- Easy installation
- Very long life
- High mechanical resistance
- Reasonable price compared to similar products
- Creating a precise slope in the path of water flow in execution
- polished and smooth surface inside the pipe (uniformity in the path of draining water)
- The integrated piping system of the air conditioner and its connection to the rainwater network

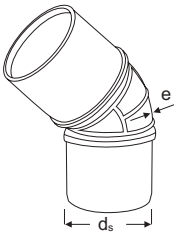
Common applications of drainage Pipe & Fittings in the market

Replacing hoses, water pipes and even polyethylene and Pex pipes in conditioning systems.

UPVC drainage pipe for air conditioning system

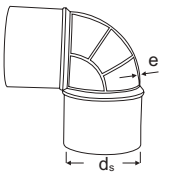
Diameter, dn (mm)	Thickness e (mm)	Length e (mm)	Number in cover (Pieces)	Standard
20	1.5	4	20	INSO 13361-2
25	1.5	4	20	INSO 13361-2
32	1.9	4	10	INSO 13361-2
32	3	6	10	INSO 9119-1

Elbow 45°



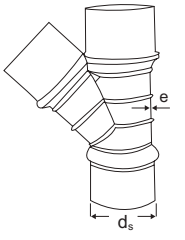
Diameter, dn (mm)	Thickness e (mm)	Design	Application scope
32	3	M/F	air conditioning system
32	3	F/F	air conditioning system

Elbow 90°



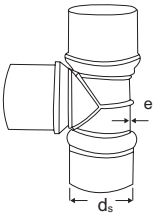
Diameter, dn (mm)	Thickness e (mm)	Design	Application scope
32	3	M/F	air conditioning system
32	3	F/F	air conditioning system

Tee 45°



Diameter, dn (mm)	Thickness e (mm)	Design	Application scope
32	3	M/F	air conditioning system
32	3	F/F	air conditioning system

Tee 90°



Diameter, dn (mm)	Thickness e (mm)	Design	Application scope
32	3	M/F	air conditioning system
32	3	F/F	air conditioning system

YAZD POOLICA UPVC

H-vent Pipe & Fittings

Advantages of H–vent Pipe & Fittings

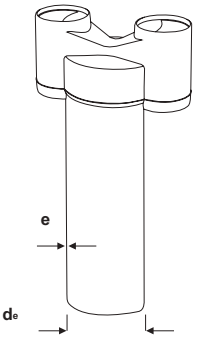
- Resistant to abrasion and sunlight (UV Anti)
- Maintaining the balance of atmospheric pressure in the sewage network of the building
- Preventing the return of air and gases into the building
- Preventing rainwater, birds and objects from falling into the building's vent network
- Suitable placement and occupying limited space on the roof
- Complete discharge of unpleasant gases from the sewage network of the building
- light weight
- Ease of installation

Standards

- In accordance with the national standard INSO 9119–1
- European Standard BS EN 1329–1


B-Vent
B-Vent
B-Vent

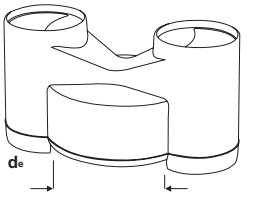
Anti-UV H-Vent package



- H-Vent pipe length: 60 and 180 cm

Diameter, dn (mm)	Thickness e (mm)	Application scope	Design
63	3	B	-
90	3	B	-
110	3.2	B	-
125	3.2	B	-
160	3.2	B	-

Anti-UV H-Vent cap



Diameter, dn (mm)	Thickness e (mm)	Application scope	Design
63	3	B	H
90-110-125	3-3.2-3.2	B	H

YAZD POOLICA UPVC

Central Vacuum Cleaner **UPVC**
Pipes & Fittings

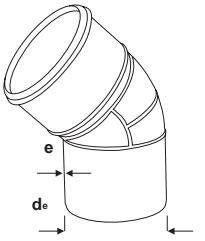
Features of Central Vacuum Cleaner UPVC pipe

- Size: 50 mm
- Thickness: 2.4 mm
- Length: 3.4
- White: color
- Cover color: gray
- Number of Pieces per packing: 6 pieces
- In accordance with the international standard ASTM F2158

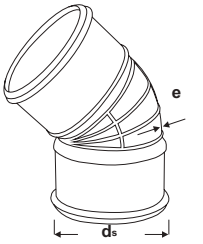
Advantages of Central Vacuum Cleaner UPVC pipe

- Preventing the accumulation of static electricity (antistatic)
- High mechanical resistance
- Very low surface roughness coefficient
- No dust accumulation
- Increasing the efficiency and longevity of the device

Elbow 45°



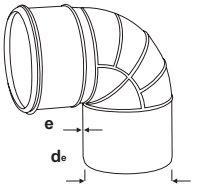
M/F



F/F

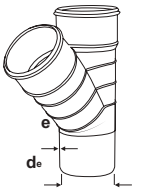
Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
50	3	B	M/F	-	-	-
50	3	B	F/F	-	-	-

Elbow 90°

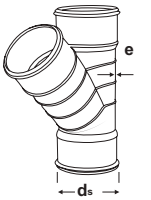


Diameter $d_{e/s}$ (mm)	Thickness e (mm)	Application scop	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
50	3	B	M/F	-	-	-

Tee 45°



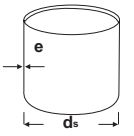
M/F



F/F

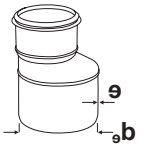
Diameter de/s (mm)	Thickness e (mm)	Application scop	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
50	3	B	M/F	–	–	–
50	3	B	F/F	–	–	–

Coupling



Diameter de/s (mm)	Thickness e (mm)	Application scop	Design	Thickness e (mm)	Application scope	Ring stiffness (SN)
50	3	B	–	–	–	–

Eccentric Reducer



Diameter de/s (mm)	Thickness e (mm)	Application scope	Thickness e (mm)	Application scope	Ring stiffness (SN)
63*50	3	B	Simple	–	–

YAZD POOLICA UPVC

UPVC high pressure Pipes & Fitting（Pool pipe）

Application of UPVC high pressure Pipes & Fitting (Pool pipe)

- Swimming pool facilities
- Transfer of drinking water
- Industrial greenhouses
- Urban treatment plants
- Fish breeding ponds
- Industrial reverse osmosis (industrial RO)

Properties and advantages of UPVC high pressure Pipes & Fitting (Pool pipe)

- In accordance with the regulations (SWIMMING POOL AND SPA CODE)
- Flame resistance
- High resistance to the operating temperature of the swimming pool and jacuzzi
- Resistant to chlorine, chemicals, rust and corrosion
- Working pressure tolerance up to ۱۶ bar
- High strength against impact and breakage
- Easy installation (lighter weight than galvanized pipes)
- The lowest coefficient of linear expansion
- Reliable sealing (no leakage of facilities in the long term)
- The use of less fasteners in the implementation of facilities
- Polished and smooth surface inside the pipe (preventing the formation of sediments and maintaining the pressure of the water flow)

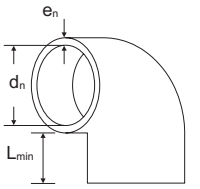
High pressure Pipe (Pool pipe, 5 m)

Underground & above ground piping system for pressurized applications

- National Standard INSO 13361–2
- International standard ISO 1452–2

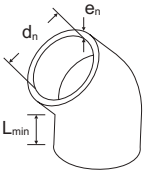
Diameter de/s (mm)	Thickness (mm)	PN	Number in cover (Pieces)
20	1.5	16	10
25	1.9	16	10
32	2.4	16	8
40	3	16	6
50	3.7	16	6
63	4.7	16	4
75	5.6	16	4
90	6.7	16	2
110	6.6	16	2
125	7.4	16	1
160	9.5	16	1
200	11.9	16	–
250	14.8	16	–

Elbow 90°



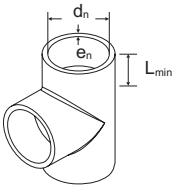
Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
50	16	50.3–50.1	4.6	31
63	16	63.3–63.1	5.8	37.5

Elbow 45°



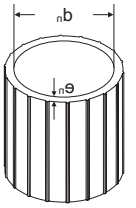
Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
50	16	50.3–50.1	4.6	31
63	16	63.3–63.1	5.8	37.5

Tee 90°



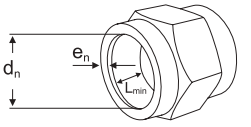
Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
50	16	50.3–50.1	4.6	31
63	16	63.3–63.1	5.8	37.5

Bushen



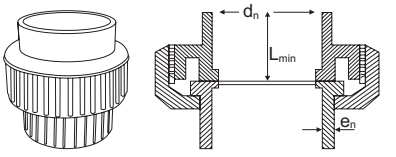
Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
20	16	20.3–20.1	2.4	16
25	16	25.3–25.1	2.4	18.5
32	16	32.3–32.1	2.9	22
50	16	50.3–50.1	4.6	31
63	16	63.3–63.1	5.8	37.5

One Side Female Threaded Adaptor



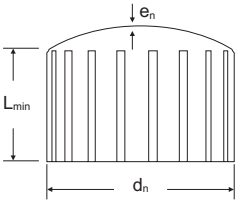
Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
32*1”	20	32.3–32.1	3.6	22

Pipe union



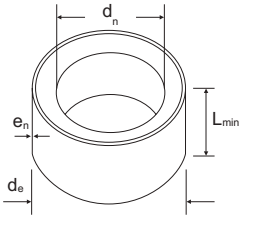
Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
50	16	50.3–50.1	4.6	31

Cap



Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
20	16	20.3–20.1	2.4	16
25	16	25.3–25.1	2.4	18.5
32	16	32.3–32.1	2.9	22
40	16	40.3–40.1	3.7	26
50	16	50.3–50.1	4.6	31
63	16	63.3–63.1	5.8	37.5

Eccentric Reducer



Size	Pression Nominal (PN)	Female nominal inside diameter	Female Thickness e	Minimum female length
50*40	16	40.3–40.1	4.6	31
63*50	16	50.3–50.1	5.8	37.5

YAZD POOLICA UPVC

UPVC Pipes & Fitting

Properties

- Non–Combustible in accordance with the requirements of the National and international Building Regulations
- Very high resistance to impact and double expansion
- Reducing costs and waste in the implementation of facilities
- No need for plastering and cement coating
- Excellent resistance at low temperatures
- Polished surface and increased execution speed
- The possibility of distinguishing and separating different parts of the building's electrical installations
- The variety of colors and the possibility of tracing the wiring route in large construction projects such as smart projects or hospitals

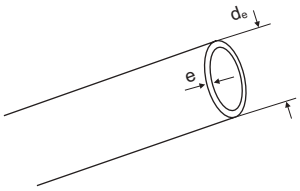
Standards

- In accordance with the national standard ISIRI 7271–4 and INSO 11215–21
- International standard IEC 61386–21

SUPER FLEX
SELF-EXTINGUISHING UPVC CONDUITS

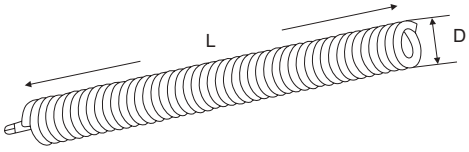
The "unique formula" and the feature of "unbreakability" have distinguished Superflex conduits from other electrical tubes.

- Approved by first level engineers and consultants in the country's construction industry
- High flexibility
- Ability to cold and unbreakable bending
- Length of superflex electrical conduit: 6 meters



Diameter			Thickness			Density	Color	Numbers in Packing
mm	PG	inch	mm			(gr/cm3)		Anti U.V.
20	13.5	3/4	1.5	2	2.5	1.45		20 Pieces
25	16	1	1.5	1.9	2.8	1.45		20 Pieces
32	21	1 1/4	1.8	2.4	3	1.55		10 Pieces
40	29	1 1/2	1.5	2.4	3	1.55		10 Pieces
50	36	2	2.4	3	-	1.55		-
63	48	2 1/2	3	-	-	1.5		-

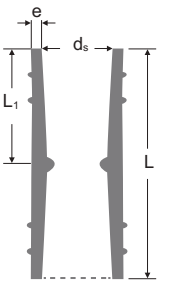
Yazd poolica electric bending spring



- High Tensile Flexibility Spring
- The design of the diameter of the spring is proportional to the thickness of the electric pipe
- No wrinkling during bending and ease of implementation

Diameter	Spring length (L) mm	The geometric shape of the ring	Spring material	Plating type
20-63	800	square	Steel	galvanized

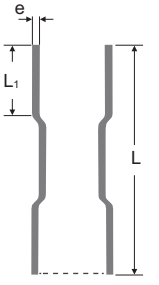
Electrical Coupling



Conical design of the inner surface

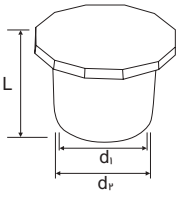
Size	L (mm)	L1 (mm)	e (mm)	D (mm)	Color
20	75.5	36.6	2.2	20.3	
25	75.5	38.6	2.3	25.3	
32	75.5	37.4	2.3	32.3	

Manual Double Socket coupling



Size	L (mm)	L1 (mm)	e (mm)	D (mm)	Color
20	120	42.7	1.5	20.3	
25	120	38.4	1.5	25.4	
32	120	36.6	1.8	32.3	

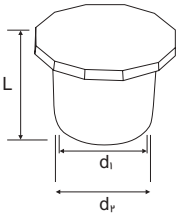
electrical cap (male)



Preventing materials from entering the electric pipe before the wiring operation

Size	L (mm)	D1 (mm)	D2 (mm)	Color
20	20	15.6	17.6	
25	20	20.6	22.6	

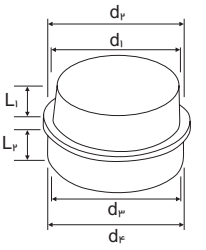
electrical cap (Female)



Preventing materials from entering the electric pipe before the wiring operation

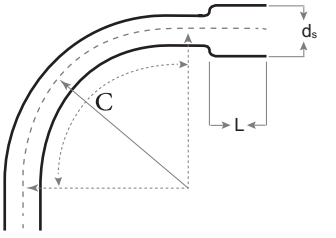
Size	L (mm)	D1 (mm)	D2 (mm)	Color
20	19	16.9	21	
25	19	23.6	26	

Dual–purpose electrical cap (Male–Female)



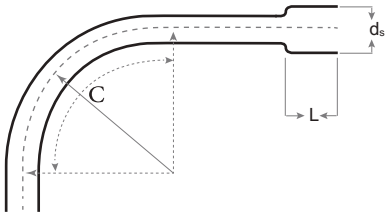
Size	L1 (mm)	D1 (mm)	L2 (mm)	D2 (mm)	D3(mm)	D4(mm)	Color
32	10	31.4	10	32.8	31.4	33	

Short bent knee



Size	Thickness e (mm)	Ds (mm)	L(mm)	C(mm)	Color
20	1.8	20.3	21.2	85	

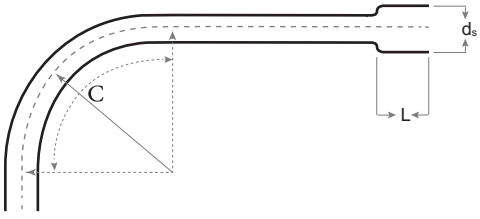
Manual long bent knee



- The length of manual bent knee: 37 and 42 cm
- Suitable arc in the radius of 90 degrees
- Ease of wire passage

Size	Thickness e (mm)	Ds (mm)	L(mm)	C(mm)	Color
20	1.5	20.4	45	174.3	
25	1.5	25.3	38.2	168.5	
32	1.8	32.3	41.5	155.2	
40	1.5	40.3	47	150.7	

Manual bent knee 90 deg



- Length of Manual bent knee: 62 and 132 Cm

Size	Thickness e (mm)	Ds (mm)	L(mm)	C(mm)	Color
20	1.5	20.3	42	164.2	

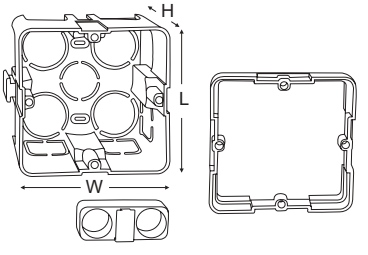
YAZD POOLICA UPVC

WINBOX

Advantages and features of **Winbox**

- Unique design
- Unbreakable
- Flame retardant and fireproof
- Material : U–PVC
- Different color spectrum
- The ability to adjust the depth of the electrical box to the desired value
- Applicable for all types of normal and smart switches and sockets

WINBOX
WIRING INNOVATIVE BOX



Inlet diameter	Floor inlet diameter	Side inlet diameter	L (mm)	W (mm)	H (mm)	Color
20	5	8	70	70	50	

۱ Having 8 inlets on four side levels

۲ Having 5 inlets on the bottom of the pattress

۳ Winbox connector interface

- Easy installation of electrical pipes and reduction of waste in implementation
- Installation of electrical pattress next to each other with a fixed distance

۴ With the ability to screw on all four sides of the pattress

۵ Winbox frame:

- Each frame creates a depth of one centimeter

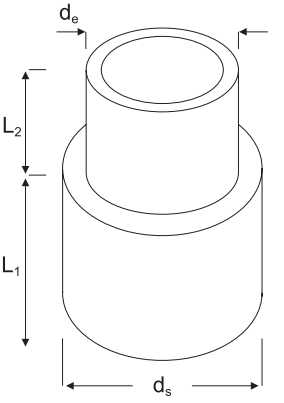
۶ Winbox transparent cap:

- Preventing construction materials from entering the electrical box and protecting from wiring route

۷ Winbox Power Adapter:

- The possibility of connecting size 25 to Winbox
- Conical design of the inner surface
- Easy passage of the spring during wiring

Winbox Adapter



Size	Diameter ds (mm)	Diameter de (mm)	L1 (mm)	L2 (mm)
25*20	25.1	20	25	16.3

YAZD POOLICA UPVC

Completed projects,
awards and honors

Tehran

Kozo 35,000-unit project

Iran Mall project

Rozet towers

Private villas of Lavasan region

280–unit project in District 19

Barman 350–unit project

Parmis Palace complex

The twin towers of Khademin

Razi Insurance Tower

Orumieh

Milad Noor Hospital

Moalem street project

Diako four–star hotel

Mashhad

Baran tower

Marina tower

Almas tower

Ghasr–e Talaei tower

Kowsar tower

Mashhad mall

Rotana hotel

Hirad hotel

Bazar–e Melal

Bandar Abbas

The 340-unit project of Moalem Housing Cooperative

180-unit endowment and charity project

Charity project

Yazd

600-bed cardiology hospital

Justice project

Yazd city center business center

Elina project

Jam-e Jam residential project

Melli housing project

Qom

Oods Town project

Tejarat Bank project

63–unit project on Luqman Street

Other projects

Kermanshah Governorate Staff Housing Cooperative

Mica Mall Kish

Sepenta Kish Grand Beach Hotel

Shiraz Aftab Shiraz shopping center

Payam Noor Alborz University

Payam Noor University, Alborz

Statues

2010– The statue of the conference of the top managers of the water and sewage industries of the country

2011– Golden statue related of the standard quality of building materials

2010– The best manager on 4th young manufacturers festival

2011– The 5th International Exhibition of Water, Wastewater Industries

2012– The winner of the 10th National Production Festival – National Honor

2012– The top unit of the 4th specialized meeting of Iranian industry and business leaders

2013– The best industrial unit of the country on industry and mining

2013– The winner of the quality crystal statue of the third national festival of honoring the country's quality strivers

2013– Iran's network of industrial & mining houses, National Production, National Pride

2014–2017– Statue of research & innovation week of Yazd province

2016– The statue commemorating the National Day of Industry and Mining, Yazd

2019– The 17th national production festival – national pride

2019– The sample industrial unit of the country on the National Day of Industry and Mining

2019– The best industrial unit of the country on the National Day of Industry and Mining

Certificates of appreciation

2013– The leading industri–al brand of Yazd province

2013– The top in national production

2013– The best unit in the field of improving the position of industry and mining – research and innovation

2013–2014– Holder of provincial consumer rights compliance certificate for two consecutive years

2004–2005–2006– Holder of consumer rights compliance certificate

2000– Participation in holding the 7th National Conference of Iran's Water Resources Management with the approach of water cycle and ecology linking in dry areas for the stability of the land.

2016– The holder of the certificate of approval of the competence of the laboratory based on the ISO/IEC 17025 standard for the Pars Senjesh laboratory from the competence center of Iran

2021– The holder of the certificate of approval of the partner's competence for Pars Sangh Laboratory

2022– The holder of technical certificate from the Road, Housing & Urban Development Research Center

2007– Holder of a research and development certificate in the manufacture of PVC pipes & connections

The holder of License for the use of the Mandatory application of Indonesian National Standard Mark No. 13361–3 for the product of piping systems for water supply and drainage applications under pressure buried in the soil and on the surface of the ground, made of UPVC – Part 3: Connections

The holder of License for the use of the Mandatory application of Indonesian National Standard Mark No. 9119–1 for the product of plastic pipes and fitting made of UPVC used in building sewage drainage

The holder of License for the use of the Mandatory application of Indonesian National Standard Mark No. 9119–1 for the product of plastic pipes and fittings made of UPVC used in building sewage disposal (for Yazd, Iranian Polymer Connections)

The holder of License for the use of the Mandatory application of Indonesian National Standard Mark No. 11215–21 for the product of cable management conduit systems, part 21 – Unplasticized protective pipe systems

The holder of License for the use of the Man–datory application of Indonesian National Standard Mark No. 13361–2 for the product of piping systems for water supply and drainage applications under pressure buried in the ground and above the ground made of UPVC

The holder of License for the use of the Mandatory application of Indonesian National Standard Mark No. 9118–1 for the product of plastic pipes and connections made of UPVC used in underground waste drainage

The holder of License for the use of the National Incentive Standard No. 12142–1 for the products of UPVC pipe & connections for rain water piping systems for surface consumption (gutter)

The holder of License for the use of the National Incentive Standard No. 11105 for the UPVC pipe used for crossing electric and telecommunication cables

The holder of Health license from the Ministry of Health, Medical Treatment and Education

یزد اتصال پلیمر ایرانیان
YAZD ETESAL POLYMER IRANIAN

یزدپولیکا
YAZD POOLICA

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