



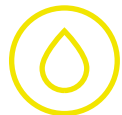
HDPE ID DRAINAGE PIPES



WE ARE

a private company Peštan, leader in the Balkans in the production and distribution of products and solutions from the polymers.

Company was founded in 1989 and has been producing water pipes made of polyethylene. Over time, we introduced new materials (polypropylene and PVC) and expanded product range. Today, in our offer you may find more than 6500 products, divided into four categories:



**PIPING
SOLUTIONS**



**DRAIN
SOLUTIONS**



**AGRICULTURE
SOLUTIONS**



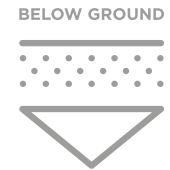
**HOUSEHOLD
SOLUTIONS**



Edition 5



HDPE ID DRAINAGE PIPES



Polietylene corrugated ID drainage pipes

Excess water in the soil can cause serious problems on land and objects in landslides and in very short period of time until their complete destruction. Therefore, the proper drainage of the terrain is extremely important before we have to design and prepare the ground for construction. Having in mind the need for drainage of excess water from the soil Peřtan in its production program it is included a large range of diameters in accordance with DIN 4262/1 corrugated drainage and polyethylene (PE) pipe to drain excess water from the soil. Thanks to its large hydraulic capacity and a wide range of diameters these pipes are fully able to respond to any request and to provide a reliable and long-term drainage field.

HDPE pipes are lighter than PVC pipes and they are used for the same purpose, which allows easier handling and installation, they have excellent chemical resistance to aggressive environments and the surrounding land. Placing and use of HDPE pipeline is from -40 °C up to + 60 °C. The smooth inner surface has a low coefficient of friction so the pipes have very good hydraulic characteristics. They have excellent resistance to abrasion and they have excellent mechanical and physical properties.

Pipes are resistant to UV rays, they can stand a year outdoors and they should be protected. It is necessary to take into account that during transport and installation the pipes must not be dragged over sharp edges because sharp edges can damage the pipe while they are impact-resistant on blunt instrument.

CHARACTERISTICS AND SPECIFICATIONS

- Material: PE-HD (high-density polyethylene)
- Fast and inexpensive assembling
- Standard: DIN 4262/1
- Density:> 0,945 Kg / m³
- Index dispensing MFI 190 ° C / 5kg 0,35-1,3 gr / 10 '
- Modulus of elasticity:> 800 MPa
- The coefficient of linear thermal expansion: 0,17mm / mK
- The coefficient of thermal conductivity at 23 ° C - 0,36-0,5W / mK
- Surface electrical resistance:> 10¹³Ω
- Connection through via a socket
- Ring hardness SN = 4kN / m² I = SN 8 kN / m²
- Color: Black standard (at the request of the customer as well as some other color)
- Standard length 6 and 12m



PEŠTAN has all the necessary fittings for installation of pipes

TYPES OF HDPE ID DRAINAGE PIPES

DN / ID (nominal diameter is inner diameter of the inside-diameter) double wall corrugated HDPE pipes are classified according to internal diameter.

They are manufactured with integrated socket.

They can work in a range from Ø140 to Ø800, stiffness SN 4 and SN 8th



ID SN4



ID SN8

DN		OD (mm)	ID (mm)	e (mm)	CWT (mm)	LWT (mm)	T (mm)	A (mm)	Kg/m
Ø140	SN4	Ø160	139.8	1.2	0.5-0.9	0.9	17.44	3.5	0.8-1.1
	SN8	Ø160	139	1.6	0.9-1.2	1.1	17.44	3.5	1.1-1.4
Ø200	SN4	Ø227	199	1.7	0.9-1.2	1.2	22.43	4.5	1.8-2.0
	SN8	Ø227	198	2.2	1.2-1.6	1.4	22.43	4.5	2.1-2.5
Ø250	SN4	Ø283	249	2.2	1.2-1.4	1.5	26.17	5.1	2.8-3.1
	SN8	Ø283	248	2.7	1.6-2.0	1.6	26.17	5.1	3.6-3.85
Ø300	SN4	Ø340	298.2	2.6	1.3-1.5	1.7	31.4	5.5	3.8-4.2
	SN8	Ø340	297	3.2	1.7-2.2	1.8	31.4	5.5	4.5-5.2
Ø400	SN4	Ø453	397.8	3.2	1.4-1.7	2.2	39.25	7.9	5.8-6.6
	SN8	Ø453	396	4.1	2.2-2.6	2.5	39.25	7.9	8.1-8.9
Ø500	SN4	Ø567	497.6	4.2	1.8-2.2	3.0	52.78	9.4	9.8-10.7
	SN8	Ø567	495	5.5	2.4-3.1	3.3	52.78	9.4	12.6-13.5
Ø600	SN4	Ø680	597	5.2	2.6-3.0	3.5	65.97	13.2	15.0-16.5
	SN8	Ø680	594	6.7	3.4-3.8	3.8	65.97	13.2	18.7-19.3
Ø800	SN4	Ø906	796	6.5	2.8-3.2	4.5	89.97	19.3	24.0-25.8
	SN8	Ø906	792	8.5	4.3-5.1	4.7	89.87	19.3	31.6-33.4

There are two types of drainage pipes made of polyethylene, defined through inside diameter - pipe ID:

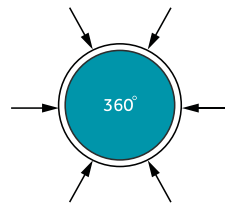
- **KD** - RIGID DRAINAGE PIPES (FULLY PERFORATED)
- **KDK** - RIGID DRAINAGE-SEWERAGE PIPES (PARTLY PERFORATED)

KD – RIGID DRAINAGE PIPES (FULLY PERFORATED)

KD pipes has to assure the function of optimum drainage degree and anti-freeze layer.

This is applied for both during the construction and completion of work construction site by entering of the existing water and transporting it to the main dumping. The joints are impermeable on sand . Installation of rubber for compounds for these pipes are not necessary.

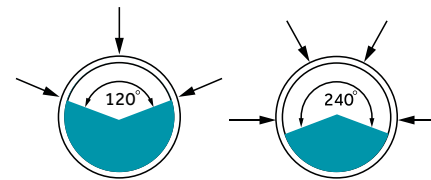
Standard are 6 slots per Celma diameter volume distributed up to 60°.



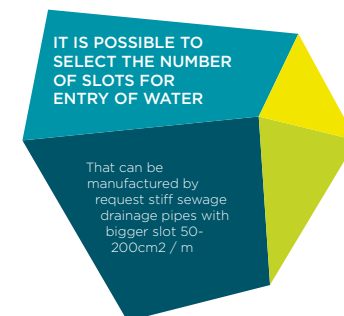
KDK - RIGID DRAINAGE PIPES (PARTIALLY PERFORATED)

Partially perforated KDK stiff drainage-sewerage pipes represent the ideal combination of perforated and collected pipes. If its necessary, they must be able to collect and transport any surface water which at short and long distances. Joint is impermeable to water and sand because of water transport. Eraser is inserted into the third channel of corrugated pipes. The greased socket is inserted over the greased rubber.

The pipes must be professionally installed respecting the directions for laying of the pipeline given in 1610 and DIN 4033.



The slots on both types of pipes are located between the ribs. Pipe has to be symmetrically in volume over the length of the tube which does not allows impeded access of water to the slit. During the construction of drainage systems it is recommended to put the pipe in the stone filter layer except if is placed in an additional protective layer of geotextile filter to prevent leaching of the soil and the possible blocking of the hole on the tube impurities and therefore I reduced efficiency of the pipeline.



BRAND MANIFESTO

We do not only sell pipes, we combine reliability with quality for the ultimate benefit of our clients.

We do not build short-term client relationships, but long-term and genuine partnerships.

Everything we do, we do with one thing in mind - to create ideas to perfectly match all our client needs and the best way for us to achieve this goal is to constantly educate our clients provide solutions that meet their specific needs and support them throughout the entire process.

Because our success is as big as your trust in us.

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