



# HDPE CORUGATED ID PIPES

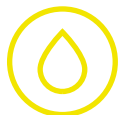




# WE ARE

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**



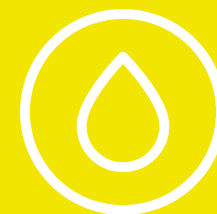
**DRAIN  
SOLUTIONS**



**AGRICULTURE  
SOLUTIONS**



**HOUSEHOLD  
SOLUTIONS**



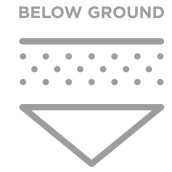
Edition 5



# HDPE CORRUGATED ID PIPES

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For domestic & street sewage systems



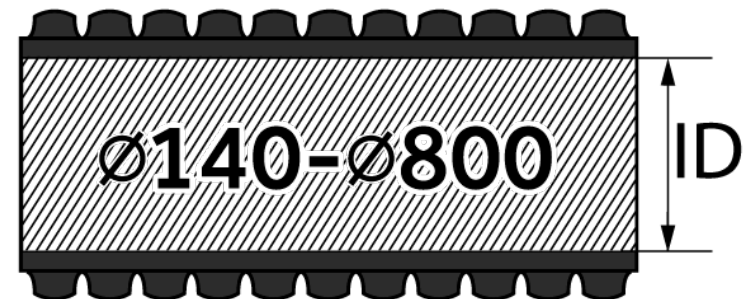
## HDPE CORRUGATED PIPES FOR SEWERAGE SYSTEM

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**Connection method is via the socket with rubber which is inserted into the third channel of corrugated pipe between the ribs and the lubricated socket is pulled over the rubber on tube. Pipes can be shortened by ordinary knife or saw, and all the pieces of pipe can be used as extensions.**

HDPE pipes are lighter than PVC pipes for the same purpose, allowing easier handling and installation, and they have excellent chemical resistance to aggressive environment and the surrounding soil. Laying and using of HDPE pipelines is between -40°C 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 excellent mechanical and physical properties.

Pipes are resistant to UV rays, and can stand in the open for an year. Beyond that period they should be protected. During transportation and installation, protection must be ensured by keeping the pipes away from sharp edges because they can damage the pipe while they are very resistant to the impacts with a blunt object. The pipes are certified by the Institute for Materials of Republic of Serbia.



## FEATURES AND SPECIFICATIONS

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- Material: PE-HD (polyethylene high-density)
- Pipes can be embed at a depth of at least 0.8 m to 8m max. Concrete protection is required above 0.8 m
- Quick and cheap installation
- Ring stiffness SN=4KN/m<sup>2</sup> and SN=8KN/m<sup>2</sup>
- Standard lenght is 6 or 12m, or coil 50m+100m
- Standard color is black and can be different by demand
- Standard packing:  
Ø110-Ø200 Bar 6 and 12m, or coil 50 i 100m Ø250-Ø315 bar 6 and 12m

## INSTALLATION

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### INSTALLATION OF PIPES

The pipes must be professionally installed respecting the appropriate guidelines specified by standard 1610 and DIN4033, which means that in an area of the pipeline from the bottom of the trench to at least 30cm above the vertex, following compression values should be achieved.

### ACCORDING TO PROCTOR:

- All values should be proven during operation
- 97% density of shoveled land for non-bonding soil
- 95% density of unshoveled land for bonding soil

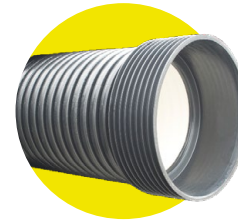
DN /ID (nominal diameter is inside diameter) double layer corrugated HDPE pipes are classified by the inner diameter of the pipe.

They are made without integrated socket, and connection is achieved through the sockets made of the same material.

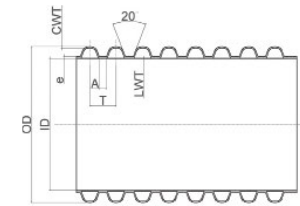
Range of production is from  $\varnothing 140$ - $\varnothing 800$  with ring stiffness of sn4 and sn8, and even stronger by special order.



ID SN4



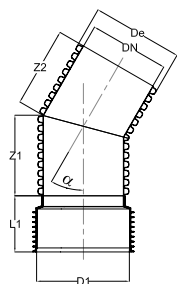
ID SN8





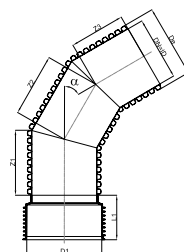
## COUPLING ELEMENTS AND FITTINGS

An integral part of any piping system are the various joints, branches and manholes. Peštan products and the entire program of coupling elements and fittings. These include: Branches, Bends, Reducirs, Drain manholes, End caps, Couplings.



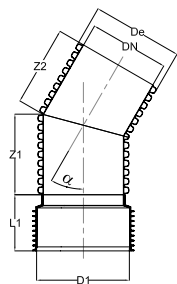
BEND 30°

DN	DE	D1	$\alpha$	L1	Z1	Z2
140	160	162	30°	95	180	165
200	227	230	30°	140	200	180
250	283	286	30°	170	235	210
300	340	346	30°	180	280	250
400	453	458	30°	230	355	315
500	567	575	30°	255	475	425
600	680	686	30°	300	595	525



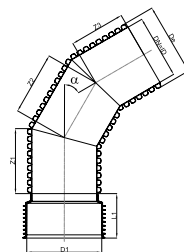
BEND 60°

DN	DE	D1	$\alpha$	L1	Z1	Z2	Z3
140	160	162	60°	95	165	210	165
200	227	230	60°	140	180	225	180
250	283	286	60°	170	210	235	210
300	340	346	60°	180	250	285	250
400	453	458	60°	230	315	350	315
500	567	575	60°	255	420	475	420
600	680	686	60°	300	525	595	525



BEND 45°

DN	DE	D1	$\alpha$	L1	Z1	Z2
140	160	162	45°	95	210	210
200	227	230	45°	140	225	225
250	283	286	45°	170	260	260
300	340	346	45°	180	315	315
400	453	458	45°	230	395	395
500	567	575	45°	255	530	530
600	680	686	45°	300	660	660

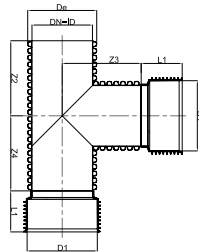


BEND 90°

DN	DE	D1	$\alpha$	L1	Z1	Z2	Z3
140	160	162	90°	95	165	210	165
200	227	230	90°	140	180	225	180
250	283	286	90°	170	210	260	210
300	340	346	90°	180	250	315	250
400	453	458	90°	230	315	390	315
500	567	575	90°	255	425	530	425
600	680	686	90°	300	525	660	525

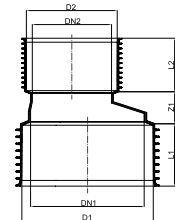
## TEE

DN	DE	D1	L1	Z2	Z3	Z4
140	160	162	91	220	215	220
200	227	230	140	245	245	245
250	283	286	168	285	300	285
300	340	344	182	345	360	345
400	453	458	235	430	460	430
500	567	574	299	580	600	580
600	680	686	310	725	735	725



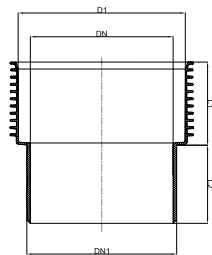
## EXCENTRIC REDUCER

DN1	DN2	D1	D2	Z1	L1	L2
200	140	230	160	58	115	91
250	200	286	230	129	145	110
300	250	344	286	136	153	137
400	300	458	344	146	200	150
500	400	574	458	159	262	200
600	500	686	574	171	270	262



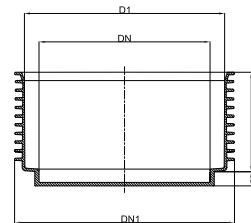
## TRANSITION FROM CORRUGATED TO SMOOTH PIPE

DN	DN1	D1	L1	L2
140	160	162	90	90
200	200	230	115	120
250	250	286	145	143
300	315	346	153	155
400	400	459	235	200



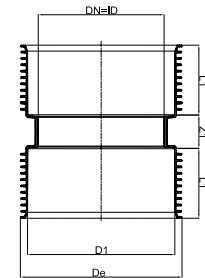
## END CAP

DN	DN1	D1	L1	L2
140	176	162	90	25,5
200	200	230	115	30
250	250	286	145	31
300	300	346	153	32
400	400	459	235	35
500	574	624	262	37
600	686	748	270	40



## DOUBLE MUFF

DN	DE	D1	L1	Z1
140	176	162	90	51
200	252	230	115	60
250	312	286	145	62
300	375	346	153	64
400	498	459	200	70
500	624	575	262	74
600	748	690	270	80
800	960	919	325	90





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