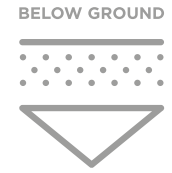




PP CORUGATED ID PIPES



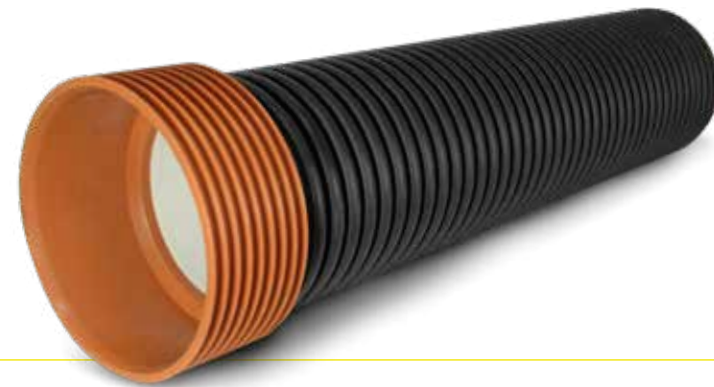
Double layered corrugated PP ID pipes and fittings

PRODUCTION AND PURPOSES

Peštan Company supplies for its corrugated pipes only certified materials from top manufacturers.

These raw materials are satisfying properties of high impact resistance that have polypropylene copolymer PP-B. It is very important to make the correct choice of pipe by the type of fluid and by conditions of exploitation, in accordance with the characteristics of the material from which they are made of.

CHARACTERISTICS	VALUE	EN
Density	900kg/m ³	EN 1183
MFR	0,3gr/10 min(230/2,16)	EN1133
Modulus of elasticity	1500/2000MPa	EN527
Tensile strength at yield point	32 MPa	EN527
Impact toughness by Sharp with a comma	+23 °C 70kJ/m ²	EN179/1eA
	-23 °C 7 kJ/m ²	EN179/1eA



MATERIAL

Material properties and temperature application are given in the following table:

MATERIAL	MIN.	MAX.	SHORT-TERM
PP	-20 °C	60°C	95°C
PE-HD	-40°C	40°C	70°C
PVC-U	0°C	40°C	60°C

PRODUCTION

Pipes are manufactured in accordance with SRPS-EN13476 and EN1440

- Classified according to the inner light diameter DN/ID
- Life expectancy is 100 years
- Excellent hydraulic properties
- Excellent chemical stability
- High temperature stability at 60°C, short term up to 90°C
- High resistance to abrasion
- Pipes are lightweight

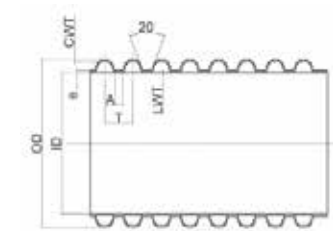
- Easy handling and installation
- Good mechanical properties
- Good impact resistance at low temperatures
- Good pipe flexibility
- Pipes can be completely recycled
- Pipes do not contain heavy metals or other disputed matter
- Friction coefficient is - $K_b = 0.25 \text{ mm}$

The pipes are manufactured as class SN4 and SN8, pipes according to customer's request can be produced in class SN12 and SN16

CONNECTING METHODS

The pipes are produced in accordance with SRPS-EN13476 and EN1440

Connecting with angle fitting, connecting many pipelines with T branches and connecting over the saddle after grip (SAG).



CODE	DN		OD	ID	E	CWT	LWT	T	A	KG/M
10702000	Ø140	SN4	Ø160	139.8	1.2	0.5-0.9	0.9	17.44	3.5	0.8-1.1
10702020		SN8	Ø160	139	1.6	0.9-1.2	1.1	17.44	3.5	1.1-1.4
10702001	Ø200	SN4	Ø227	199	1.7	0.9-1.2	1.2	22.43	4.5	1.8-2.0
10702021		SN8	Ø227	198	2.2	1.2-1.6	1.4	22.43	4.5	2.1-2.5
10702002	Ø250	SN4	Ø283	249	2.2	1.2-1.4	1.5	26.17	5.1	2.8-3.1
10702022		SN8	Ø283	248	2.7	1.6-2.0	1.6	26.17	5.1	3.6-3.85
10702003	Ø300	SN4	Ø340	298.2	2.6	1.3-1.5	1.7	31.4	5.5	3.8-4.2
10702023		SN8	Ø340	297	3.2	1.7-2.2	1.8	31.4	5.5	4.5-5.2
10702004	Ø400	SN4	Ø453	397.8	3.2	1.4-1.7	2.2	39.25	7.9	5.8-6.6
10702024		SN8	Ø453	396	4.1	2.2-2.6	2.5	39.25	7.9	8.1-8.9
10702005	Ø500	SN4	Ø567	497.6	4.2	1.8-2.2	3.0	52.78	9.4	9.8-10.7
10702025		SN8	Ø567	495	5.5	2.4-3.1	3.3	52.78	9.4	12.6-13.5
10702006	Ø600	SN4	Ø680	597	5.2	2.6-3.0	3.5	65.97	13.2	15.0-16.5
10702026		SN8	Ø680	594	6.7	3.4-3.8	3.8	65.97	13.2	18.7-19.3
10702007	Ø800	SN4	Ø906	796	6.5	2.8-3.2	4.5	89.97	19.3	24.0-25.8
10702027		SN8	Ø906	792	8.5	4.3-5.1	4.7	89.87	19.3	31.6-33.4

SADDLE AFTER GRIP (SAG)

Saddle after grip is new, modern product, with great performance.

It is intended for subsequent connection to an existing pipeline for smooth as well as corrugated pipes. Using this system, combined with a great range of Peštan fittings, production of new lines of home, street and drain sewer, as well as connecting to existing lines becomes satisfaction.

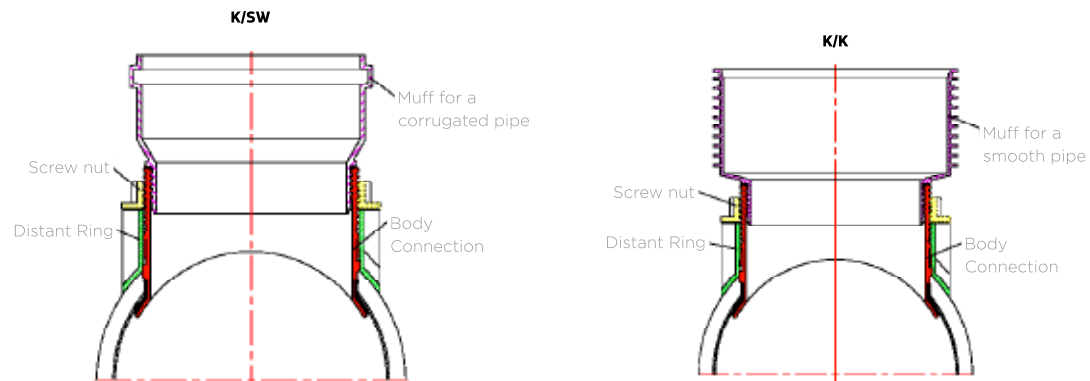
Peštan latest product main purpose is to be subsequently attached to an existing pipeline with a connection to smooth and corrugated pipes. The connection is safe and waterproof. It is made of ABS by injection molding technology.



SIZES

Sizes are given in the following table:

K/K CODE	K/SW CODE	
10799210	10799110	250/160
10799211	10799111	300/160
10799212	10799112	400/160
10799213	10799113	500/160
10799214	10799114	600/160
K/K CODE	K/SW CODE	
10799200	10799100	250/200
10799201	10799101	300/200
10799202	10799102	400/200
10799203	10799103	500/200
10799204	10799104	600/200



MONTAGE OF SAG THROUGH PHASES



1. Tools required



2. Determining position for montage



3. Drilling holes for the guided crown saw



4. Drilling holes with crown saw



5. Cleaning chips and forming a clear hole



6. Lubricating rubber bands on the body of sag



7. Inserting body of sag through pre-prepared opening and setting it in the appropriate position



8. setting the spacer ring



9. Tightening the sag



10. Lubricating appropriate connection of sag



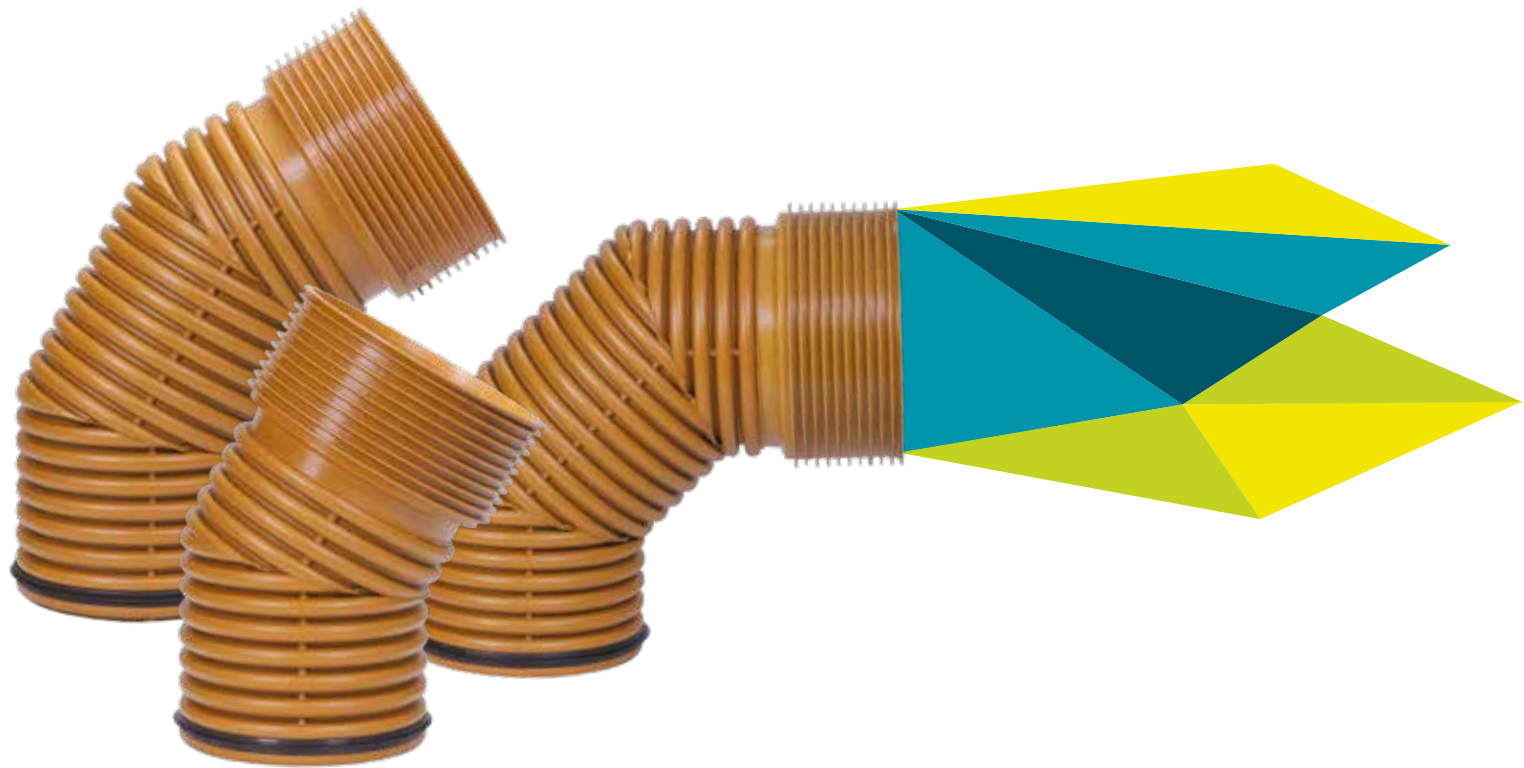
11. Setting the selected connection

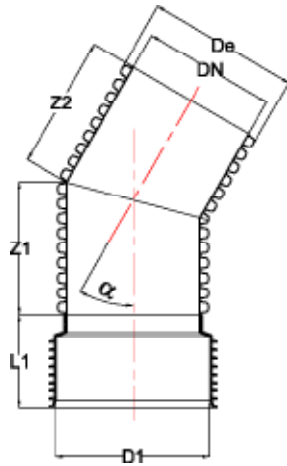


12. Final tightening of sag

BENDS 30°, 45°, 60°, 90°

Bends are side fittings which main purpose is connecting pipes at certain angle in accordance with requirements (30°,45°,60°,90°).It is made in the technology of welding pipe segments and semi joints which has the function of integrated socket.





BEND 30°

CODE	DN	DE	D1		L1	Z1	Z2
10799250	140	160	162	30°	95	180	165
10799251	200	227	230	30°	140	200	180
10799252	250	283	286	30°	170	235	210
10799253	300	340	346	30°	180	280	250
10799254	400	453	458	30°	230	355	315
10799255	500	567	575	30°	255	475	425
10799256	600	680	686	30°	300	595	525

BEND 45°

CODE	DN	DE	D1		L1	Z1	Z2
10799260	140	160	162	45°	95	210	210
10799261	200	227	230	45°	140	225	225
10799262	250	283	286	45°	170	260	260
10799263	300	340	346	45°	180	315	315
10799264	400	453	458	45°	230	395	395
10799265	500	567	575	45°	255	530	530
10799266	600	680	686	45°	300	660	660

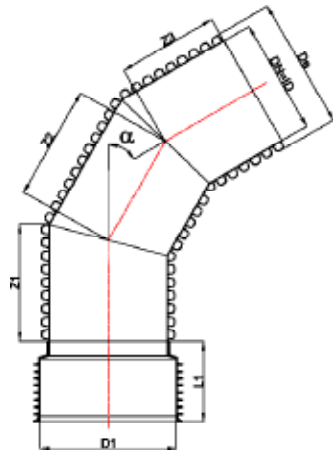
BEND 60°

CODE	DN	DE	D1		L1	Z1	Z2	Z3
10799270	140	160	162	60°	95	165	210	165
10799271	200	227	230	60°	140	180	225	180
10799272	250	283	286	60°	170	210	235	210
10799273	300	340	346	60°	180	250	285	250
10799274	400	453	458	60°	230	315	350	315
10799275	500	567	575	60°	255	420	475	420
10799276	600	680	686	60°	300	525	595	525

BEND 90°

CODE	DN	DE	D1		L1	Z1	Z2	Z3
10799280	140	160	162	90°	95	165	210	165
10799281	200	227	230	90°	140	180	225	180
10799282	250	283	286	90°	170	210	260	210
10799283	300	340	346	90°	180	250	315	250
10799284	400	453	458	90°	230	315	390	315
10799285	500	567	575	90°	255	425	530	425
10799286	600	680	686	90°	300	525	660	525

Measurements are given in millimeters (mm)



TEE

This fitting was obtained by welding pipe segments at an angle of 90° with the appropriate extension in the form of semi joint. Available for pipe diameters Ø140-Ø600.



EXCENTRIC REDUCER

Fitting which main purpose is connecting pipes of different diameters. It is made of polypropylene injection molding technology. This fitting is available in sizes listed in the table.



TRANSITION FROM CORRUGATED TO SMOOTH PIPE

The purpose of this product is transition from smooth to corrugated pipe. It is made of polypropylene injection molding technology or welding. It is available in sizes that are given in the table.



END CAP

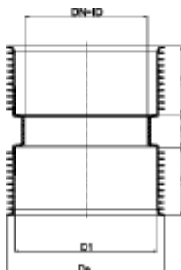
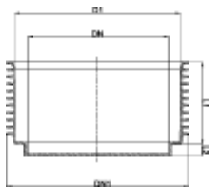
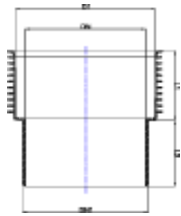
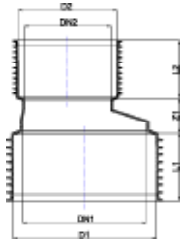
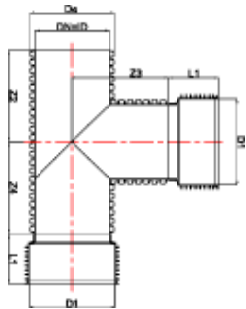
This product has a function of closing the pipes and fittings while installing pipes and different types of testing as well as for any other purpose. It is made in the technology of injection molding and welding polypropylene.



DOUBLE MUFF

Fitting designed for linear connection of pipe with same diameter. The product is obtained by polypropylene injection molding.





TEE

CODE	DN	DE	D1	L1	Z2	Z3	Z4
10799350	140	160	162	91	220	215	220
10799351	200	227	230	140	245	245	245
10799352	250	283	286	168	285	300	285
10799353	300	340	344	182	345	360	345
10799354	400	453	458	235	430	460	430
10799355	500	567	574	299	580	600	580
10799356	600	680	686	310	725	735	725

EXCENTRIC REDUCER

CODE	DN1	DN2	D1	D2	Z1	L1	L2
10799300	200	140	230	160	58	115	91
40000760	250	200	286	230	129	145	110
40000763	300	250	344	286	136	153	137
40000812	400	300	458	344	146	200	150
40000764	500	400	574	458	159	262	200
40000814	600	500	686	574	171	270	262

TRANSITION FROM CORRUGATED TO SMOOTH PIPE

CODE	DN	DN1	D1	L1	L2
10799500	140	160	162	90	90
40000771	200	200	230	115	120
40000772	250	250	286	145	143
40000773	300	315	346	153	155
40000774	400	400	459	235	200

END CAP

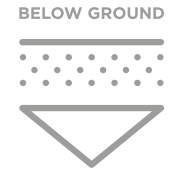
CODE	DN	DN1	D1	L1	L2
10799400	140	176	162	90	25.5
10799401	200	200	230	115	30
10799402	250	250	286	145	31
10799403	300	300	346	153	32
10799404	400	400	459	235	35
10799405	500	574	624	262	37
10799406	600	686	748	270	40

DOUBLE MUFF

CODE	DN	DE	D1	L1	Z1
10799000	140	176	162	90	51
10799001	200	252	230	115	60
10799002	250	312	286	145	62
10799003	300	375	346	153	64
10799004	400	498	459	200	70
10799005	500	624	575	262	74
10799006	600	748	690	270	80
40000792	800	960	919	325	90



PP CORUGATED OD PIPES



Double layered corrugated PP OD pipes and fittings

PRODUCTION AND PURPOSES

Peštan Company supplies for its corrugated pipes only certified materials from top manufacturers.

These raw materials are satisfying properties of high impact resistance that have polypropylene copolymer PP-B. It is very important to make the correct choice of pipe by the type of fluid and by conditions of exploitation, in accordance with the characteristics of the material from which they are made of.

CHARACTERISTICS	VALUE	EN
Density	900kg/m ³	EN 1183
MFR	0,3gr/10 min(230/2,16)	EN1133
Modulus of elasticity	1500/2000MPa	EN527
Tensile strength at yield point	32 MPa	EN527
Impact toughness by Sharp with a comma	+23 °C 70kJ/m ²	EN179/1eA
	-23 °C 7 kJ/m ²	EN179/1eA



MATERIAL

Material properties and temperature application are given in the following table:

MATERIAL	MIN.	MAX.	SHORT-TERM
PP	-20 °C	60°C	95°C
PE-HD	-40°C	40°C	70°C
PVC-U	0°C	40°C	60°C

PRODUCTION

Pipes are manufactured in accordance with SRPS-EN13476 and EN1440

- Classified according to outside diameter DN/OD
- Life expectancy is 100 years
- Excellent hydraulic properties
- Excellent chemical stability
- High temperature stability at 60°C, short term up to 90°C
- High resistance to abrasion
- Pipes are lightweight
- Easy handling and installation
- Good mechanical properties
- Good impact resistance at low temperatures

- Good pipe flexibility
- Pipes can be completely recycled
- Pipes do not contain heavy metals or other disputed matter
- Friction coefficient is - Kb = 0.25 mm
- Standard length is 6 or 12 m

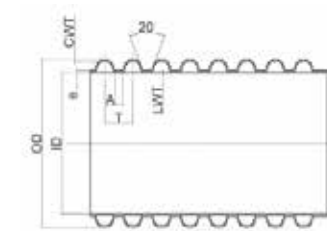
The pipes are manufactured as class SN4 and SN8, pipes according to customer's request can be produced in class SN12 and SN16.

Pipe diameters from DN 200 up to DN 500 are produced with welded socket. Smaller diameters are produced with double socket already mounted on the pipe.

CONNECTING METHODS

The pipes are produced in accordance with SRPS-EN13476 and EN1440

Connecting with angle fitting, connecting many pipelines with T branches and connecting over the saddle after grip (SAG).



DN		OD (MM)	ID (MM)	E (MM)	CWT (MM)	LWT (MM)	T (MM)	A (MM)	KG/M
Ø75	SN4	75	56	0,55	0,4	0,5	10,5	3	0,55
	SN8			0,6	0,6	1,71			0,6
Ø90	SN4	90	67	0,6	0,5	0,55	11,5	3,5	0,6
	SN8			0,9	0,7	0,8			0,65
Ø110	SN4	110	93	1,6	0,5	0,5	12,5	6,5	0,65
	SN8			2,1	0,9	0,9			0,76
Ø125	SN4	125	107	1,7	0,7	0,6	12,5	6,5	0,8
	SN8			2,3	1,1	1			0,94
Ø160	SN4	160	138	1,9	1	0,7	12,5	6,5	1,2
	SN8			2,3	1,4	1,1			1,4
Ø200	SN4	200	176	2,1	1,2	0,8	16,5	8,5	1,5
	SN8			2,5	1,6	1,2			1,75
Ø250	SN4	250	222	3	1,3	1,3	37	14	2,5
	SN8			3,6	1,9	1,7			2,9
Ø315	SN4	315	278	3,2	1,6	1,5	42	16	3,5
	SN8			3,8	2,1	1,9			4,1
Ø400	SN4	400	348	4,3	2	1,8	49	20	6,2
	SN8			4,9	2,5	2,2			7,25
Ø500	SN4	500	432	4,6	2,2	1,9	58	23	10,5
	SN8			5,2	2,7	2,3			12,28