plastherm®

PIPE & FITTINGS PPR TYP-3 DIN8077 DIN 8078
PVC-U EXCESS WATER PIPE & FITTINGS TS 275-1 EN1329-1

CSTB le futur en construction · QB · SKZ · DVGW · TSE · TZW · GOST-R



PPR-C & PVC-U 2025 Product Catalogue





Made in Türkiye

Company Profile

Plastherm – Platin Isı Makine Muhendislik ve Taahhut Ltd. Şti was founded in 1992 to product plastic building material. Plastherm has been established with 200 employees on 21.000 m² in Buyukcekmece - İstanbul – Turkey to produce PPR-c pipes & fittings, Aluminium foil pipes, Fiber glass pipes, Pe-xb Pe-xc & Pvc pipes and fittings as well as Pvc doors & windows.

Plastherm also owns a new factory on aluminium composite panel with 48.000 m² in construction sector. It has opened its new factory on PPR-c and Pvc pipes and fittings in field of building material in Uzbekistan due to highest international business demand and supply with highest technology in the world.

The product diversities of Plastherm are PPR-c pipes & fittings, Pe-xb, Pe-xc, Fiber glass pipes, Aluminium foil pipes, Pvc waste water pipes and fittings, Pvc windows, doors and Aluminium composite panels for buildings.

We are honored to produce all products with German DIN standart and highest technology by using worldwide famous brand of BOREALIS raw material.

Plastherm has all international quality certificates such as ISO - TSE - DVGW - SKZ - TZW - CSTB - GOST in order to give full satisfaction of products according to consumers and clients.

Plastherm is supplying all products for domestic market 40% and 60 % for exportations as a percentage. It exports its products to 50 countries all over the world and its exportation amount is about 40 million dolars every year.

The major aim is to be one of the biggest establishments in Turkey as well as in Europe in the near future.

Plastherm's major goal is to give better competitive prices and best quality products as well as fast and highest services for reputable clients and consumers in domestic and foreign market forever.

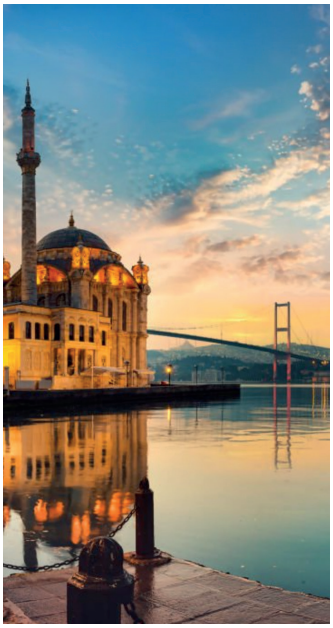
Numan Tekin
General Manager

Yusuf Uzun
Export Manager



The Plastherm System

Plastherm is using Borealis TYP-3 raw material. The greatest advantage of Borealis TYP-3 material is its extremely safe use in hot water pipe systems and its excellent resistance against heat and chemical substances.
The products produced from this raw material are hygienic and in perfect conformity with the nutriment charter because they are not affected by any biological substances.
Our system consists of a wide range of products with multiple application areas.
Starting from the raw material itself up to the distribution stage of our products every level of production preserves the quality of the environment-friendly material



Properties of Plastherm pipe and fitings

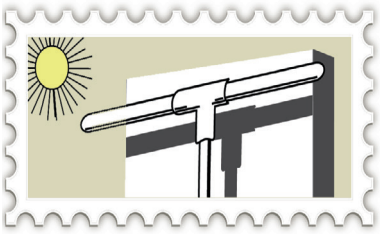
1. Guarantee period of 50 years
2. The pipe and fitings are produced in conformity with the standart BDS EN ISO 15874
3. Certificate of conformity No.:005 – NSIOSSP-217 of NIISM.
4. Excellent quality control, durability and high temperature tests.
5. Our products are produced under the regular control of experts.

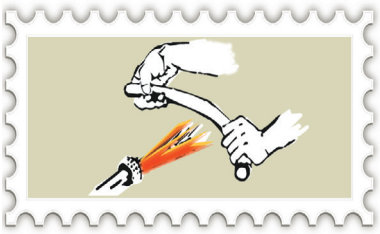
Main features of Plastherm pipe and fitings

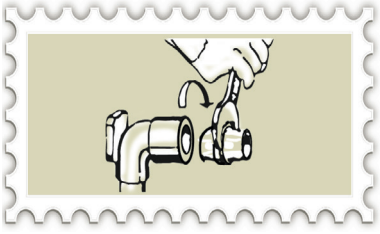
1. High durability to corosion and abrasion
2. Absolutely hygienic
3. Durable to waters of different costitution
4. They prevent the growth of bacteria
5. There is no substance precipitation or deposits
6. Pollution durability
7. They don't change the taste, color or smell of the water
8. The products are not voluminous and are transported easily.

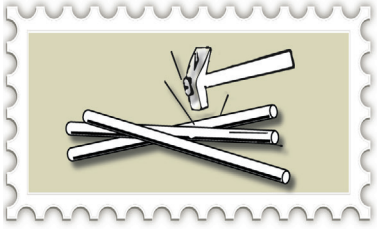
Application areas:

1. Heating and water supply installations of residential buildings and ofices.
2. Hot and cold water pipe installations.
3. Industrial, urban water-supply, and agricultural water installations
4. Passenger compartments on ships and trains









CAUTION!

1. Protect the pipes from direct impact
2. Don't expose them to sunlight for a long time
3. For bending don't use fire on the pipes, but only industrial air-blower where the temperature of the air-stream is no more that 140° C
4. While loading the pipes on a vehicle do not bend them

Quality Standarts

Quality Standarts

In accordance with our company objectives, our quality management in conformity with DIN ISO 9001 is mainly directed towards our customers and the market. Our inner factory quality standarts include raw material testing, production survey, and testing of end products as prescribed in DIN standarts.

Tests are conducted continuously in our own laboratory , guaranteeing maximum safety. All results are filed to provide the proceeding surveys and individual data measurement.

We also get the collaboration of the independent testing institues to ensure that our products fit well with the other applicable specifications like DIN, O-Norm and ISO and that their quality remains at a constant high level.

All pipes and fitings produced in our factory udergo the following tests:

- Melting index test of raw materials
- Testing the accuracy of dimensions and surface nature
- Interior long-term pressure test of 1 hour at 20°C and up to 80 bar depending on the nominal pressure degree
- Notched bar impact test
- Thermal test
- Welding index of processed materials
- Microscopic examination
- Continuous tube sheet thickness survey and measurement

Samples of all feeds are submitted to a long-term internal pressure test lasting 1000 hours at 95°C and up to 18 bar.

It is our objective to carry out practice-oriented problem solving, by applying scientific methods and by satisfying our customers by quality and dependable delivery.



Long-term Behaviour / Durability

By means of the long-term internal pressure diagram and the given formula for determination of the reference tension, it is rather simple to determine the durability.

$$\sigma_v = \frac{P(d_a\text{-}S)}{2S}$$

Explanation of the formula:

σ_v = reference tension [N/mm2]
P = internal pressure [N/mm2]
d_a = external diameter of the pipe [mm]
S = wall thickness of the pipe [mm]

Applicable:

1 bar = 0.1 N/mm^2

Example :

Tube employed 20 X 3.4, nominal pressure degree PN 20, operational pressure 10 bar. The resulting reference tension will be:

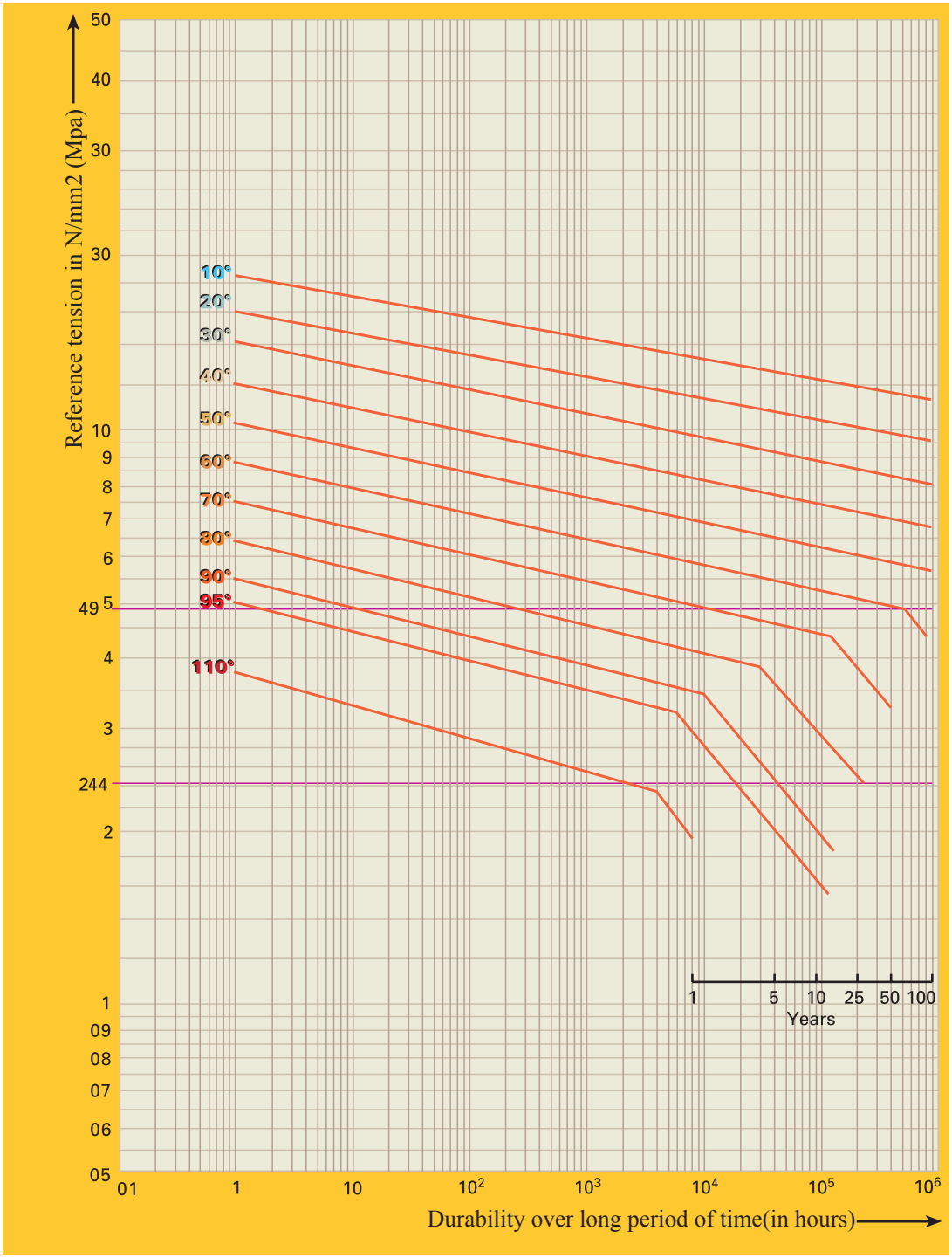
$$\sigma_v = 1 N/mm^2 \frac{(20 \text{ mm} - 3.4 \text{ mm})}{6.8 \text{ mm}}$$

If the reference tension is drawn as a straight line in the long-term internal pressure diagram and is caused to intersect with the isotherms of the corresponding operating temperature, the durability of the pipe to be anticipated in hours will result from the projection onto the X-axis.
In general, however, no point of intersection is reached under the operating conditions encountered in practice. Life > 50 years.

Calculating of security factor SF:

σ_v (for instance 50 years 60° C) = 4.9 N/mm2 established from the diagram.
It becomes clear that Plastherm pipes present tremendous safety margins in real application situations.
In the planning phase, it is customary to start from the peak temperatures to be anticipated; if we take into account the operational temperatures, which in most cases are considerably lower, and their effective periods, the safety margin is even higher.

Behaviour under long term stress



Elongation and Bending

The following items need to be taken into consideration when calculating modifications in length:

- Ambient and materials temperature upon installation
- Temperature difference between the lowest and the highest pipe wall temperatures
- Expansion coefficient
- The formula for the caculation of length alterations is as follows:

$\Delta L = \alpha \cdot L \cdot \Delta T$

Explanation:

ΔL = Length alteration in mm

α = Expansion coefficient in K^{-1} polypropilene pipes α = 0.15, prostab AL/PPR composite pipes α = 0.05

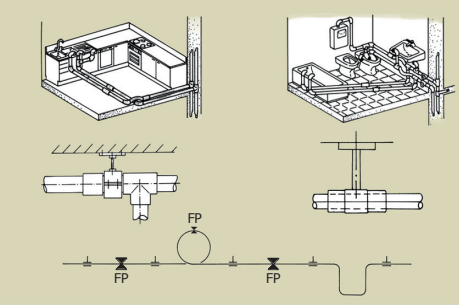
L = Pipe length in (m)

ΔT = Difference in temperatures in K

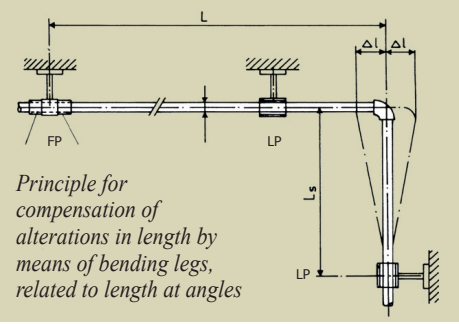
Pipe length = 4 m	Temperature range	
	Pipe wall temperature	60 ° C
	Temp, at installation	15 ° C
	Difference in temp	45 K

$\Delta L_2 = 0.15 \times 4 \times 45 = 27.00$ mm

The alteration of length may be compensated by means of extension loops, bending legs, extension bows or appropriate adapters.



Extension bows



Principle for compensation of alterations in length by means of bending legs, related to length at angles

FP = Fixing point

LS = Length of bending leg

L = Length of pipe

LP = Gliding rail

$\Delta L = \Delta L_1 + \Delta L_2$

The minimum length of the bending leg results from:

$Ls = K \cdot \sqrt{d} \cdot \Delta L$

Explanation:

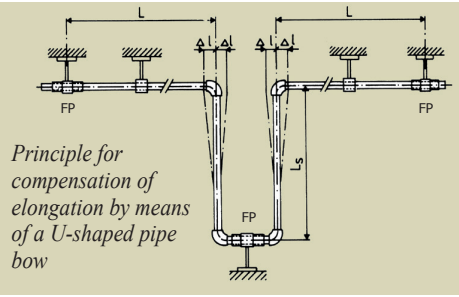
Ls = Length of bending leg in mm

K = Constant depending on material (K value for PP = 15)

d = Pipe diameter in mm

Δ = Elongation in mm, calculated by equation

$\Delta L = \alpha \cdot L \cdot \Delta T$



Principle for compensation of elongation by means of a U-shaped pipe bow

Vide also following example of graphic and mathematical determination of the bending leg.

Welding Instructions



The quality and the life span of any pipe installation depends equally on both the geometric accuracy and the weldings. Connecting pipes and fitings through melting takes just a few seconds. After a few minutes the welded pipe installation is ready to be installed.

You cut the pipe, heat the fiting with the welding machine and then connect the two parts. That's all Fast, without substantial efforts and with wonderful result.

All welded connections are completely safe because when the polypropilene cools down there's no change in its structure, shape or durability.









Instructions for welding pipes and fitings

1. Choose the appropriate detail and put it on the welding machine.
2. Turn on the welding machine. Wait until the two control indicators are heating.When the device is ready for use the indicator turns off. This means that the necessary temperature has been reached /260° C ± 10° C/
3. Attach properly the end of the pipe and the fiting to the welding device.
4. If the pipe or the fiting is dirty clean it with water and alcohol solution.
5. Then heat equally for the duration of few seconds both the pipe and the fiting.Then connect them and leave them for a few minutes to cool down so that the welding be successful.
6. The necessary heating time, welding time and cool-down time for each corresponding pipe diameter is shown in the following table.

External pipe diameter mm	Insert depths mm	Heating period secs	Processing period secs	Cooling period mins
16	13	5		
20	14	5	4	2
25	15	7		
32	16,5	8		
40	18	12	6	4
50	20	18		
63	24	24	8	6
75	26	30	10	8

PIPE PN 20 (20 ATU) SDR 6



Code	Size/mm	Packing
P0102001	20x3,4	100
P0102501	25x4,2	100
P0103201	32x5,4	60
P0104001	40x6,7	40
P0105001	50x8,3	20
P0106301	63x10,5	16
P0107501	75x12,5	12
P0109001	90x15,0	8
P0111001	110x18,3	4
P0112501	125x20,8	4

PIPE PN 10 (10 ATU) SDR 11



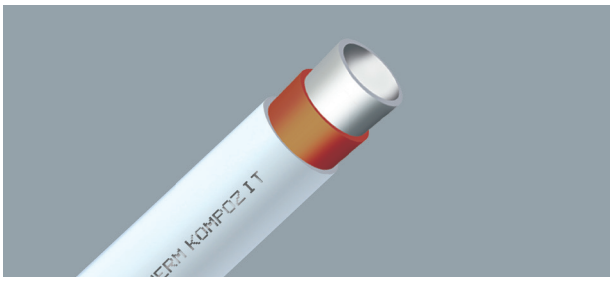
Code	Size/mm	Packing
P0302001	20x1,9	100
P0302501	25x2,3	100
P0303201	32x2,9	60
P0304001	40x3,7	40
P0305001	50x4,6	20
P0306301	63x5,8	16
P0307501	75x6,8	12
P0309001	90x8,2	8
P0311001	110x10,0	4
P0312501	125x11,4	4

PIPE PN 16 (16 ATU) SDR 7,4



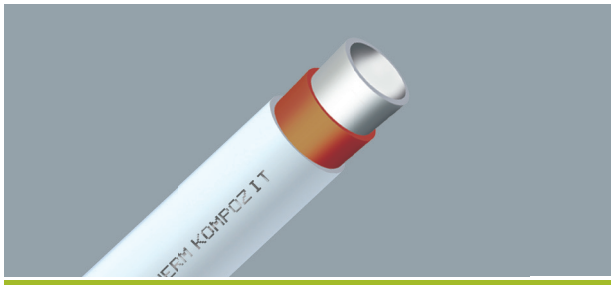
Code	Size/mm	Packing
P0202001	20x2,8	100
P0202501	25x3,5	100
P0203201	32x4,4	60
P0204001	40x5,5	40
P0205001	50x6,9	20
P0206301	63x8,6	16
P0207501	75x10,3	12
P0209001	90x12,3	8
P0211001	110x15,1	4
P0212501	125x17,1	4

PP FIBER GLASS PP (PN 25) SDR 6



Code	Size/mm	Packing
P0402001	20x3.4	100
P0402501	25x4.2	100
P0403201	32x5.4	60
P0404001	40x6.7	40
P0405001	50x8.3	20
P0406301	63x 10.5	16
P0407501	75x12.50	12
P0409001	90x15.00	8
P0411001	110x18,3	4
P0412501	125x20,8	4

PP FIBER GLASS PP (PN 20) SDR 7,4



Code	Size/mm	Packing
P0502001	20x2,8	100
P0502501	25x3,5	100
P0503201	32x4,4	60
P0504001	40x5,5	40
P0505001	50x6,9	20
P0506301	63x 8,6	16
P0507501	75x10,3	12
P0509001	90x12,3	8
P0511001	110x15,1	4
P0512501	125x17,1	4

STABLE PIPE PN 25 (25 ATU) SDR 6



Code	Size/mm	Packing
P0602001	20x3.4	100
P0602501	25x4.2	100
P0603201	32x5.4	60
P0604001	40x6.7	40
P0605001	50x8.3	20
P0606301	63x 10.5	16
P0607501	75x12.5	12

SOCKET EQUAL



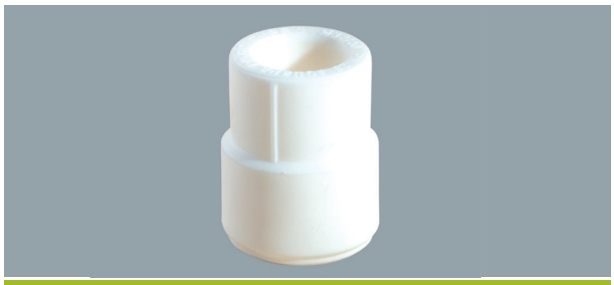
Code	Size/mm	Packing
P0702001	20	500
P0702501	25	320
P0703201	32	150
P0704001	40	100
P0705001	50	60
P0706301	63	32
P0707501	75	24
P0709001	90	16
P0711001	110	10
P0712501	125	6

ELBOW 90°



Code	Size/mm	Packing
P0902001	20	400
P0902501	25	200
P0903201	32	100
P0904001	40	75
P0905001	50	40
P0906301	63	20
P0907501	75	12
P0909001	90	8
P0911001	110	3
P0912501	125	2

REDUCER



Code	Size/mm	Packing
P0802501	25/20	500
P0803201	32/20	300
P0803202	32/25	300
P0804001	40/20	200
P0804002	40/25	200
P0804003	40/32	160
P0805001	50/20	100
P0805002	50/25	100
P0805003	50/32	100
P0805004	50/40	100
P0806301	63/20	60
P0806302	63/25	60
P0806303	63/32	60
P0806304	63/40	60
P0806305	63/50	40
P0807501	75/20	50
P0807502	75/25	50
P0807503	75/32	40
P0807504	75/40	40
P0807505	75/50	40
P0807506	75/63	32
P0809001	90/32	40
P0809002	90/40	40
P0809003	90/50	20
P0809004	90/63	20
P0809005	90/75	20
P0811001	110/40	20
P0811002	110/50	20
P0811003	110/63	16
P0811004	110/75	15
P0811005	110/90	10
P0812504	125/75	12
P0812505	125/90	12
P0812506	125/110	8

ELBOW 45°



Code	Size/mm	Packing
P1502001	20	400
P1502501	25	250
P1503201	32	150
P1504001	40	80
P1505001	50	40
P1506301	63	20
P1507501	75	12
P1509001	90	5
P1511001	110	3
P1512501	125	2

TEE 90°



Code	Size/mm	Packing
P1602001	20 mm	250
P1602501	25 mm	150
P1603201	32 mm	60
P1604001	40 mm	50
P1605001	50 mm	30
P1606301	63 mm	14
P1607501	75 mm	10
P1609001	90 mm	5
P1611001	110 mm	2
P1612501	125 mm	2

TEE 90° REDUCING



Code	Size/mm	Packing
P1702001	20x25x20	160
P1702501	25x20x20	160
P1702502	25x20x25	160
P1702503	25x25x20	160
P1702505	25x32x25	100
P1703201	32x20x20	100
P1703202	32x20x25	100
P1703203	32x20x32	100
P1703204	32x25x20	100
P1703205	32x25x25	100
P1703206	32x25x32	100
P1703207	32x32x20	100
P1703208	32x32x25	100
P1703211	32x40x32	50
P1703214	32x50x32	50
P1704004	40x20x40	50
P1704007	40x25x32	50
P1704008	40x25x40	50
P1704012	40x32x40	50
P1704019	40x50x40	40
P1705005	50x20x50	30
P1705010	50x25x50	30
P1705013	50x32x32	32
P1705014	50x32x40	32
P1705015	50x32x50	30
P1705018	50x40x32	32
P1705019	50x40x40	32
P1705020	50x40x50	30
P1705023	50x50x32	30
P1705024	50x50x40	30
P1706306	63x20x63	20
P1706312	63x25x63	20
P1706318	63x32x63	20
P1706324	63x40x63	20
P1706330	63x50x63	20
P1707507	75x20x75	10
P1707514	75x25x75	10
P1707521	75x32x75	10
P1707528	75x40x75	10
P1707535	75x50x75	10
P1707542	75x63x75	10
P1709024	90x32x90	5
P1709032	90x40x90	5
P1709040	90x50x90	5
P1709048	90x63x90	5
P1709056	90x75x90	5
P1711036	110x40x110	3
P1711045	110x50x110	3
P1711054	110x63x110	3
P1711063	110x75x110	3
P1711072	110x90x110	2
P1712570	125x75x125	2
P1712580	125x90x125	2
P1712590	125x110x125	2

END CAP



Code	Size/mm	Packing
P1802001	20	500
P1802501	25	500
P1803201	32	300
P1804001	40	160
P1805001	50	100
P1806301	63	50
P1807501	75	32
P1809001	90	24
P1811001	110	10

PRACELET



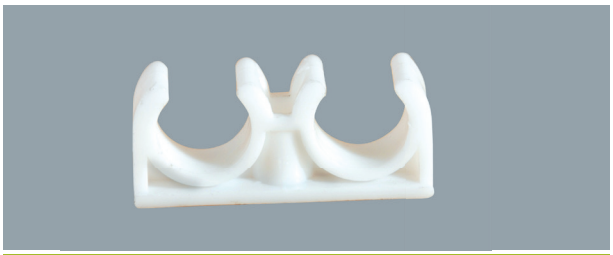
Code	Size/mm	Packing
P1902001	20	1200
P1902501	25	800
P1903201	32	500
P1904001	40	300
P1905001	50	100
P1906301	63	100

BRACELET WITH COVER



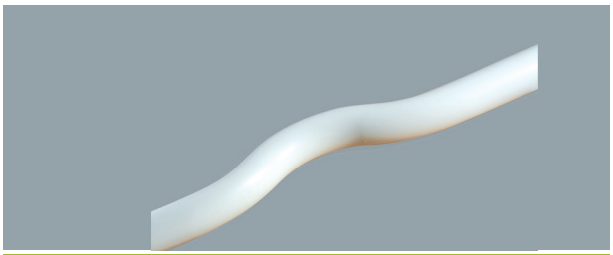
Code	Size/mm	Packing
P2402001	20	600
P2402501	25	500
P2403201	32	300
P2404001	40	200
P2405001	50	100
P2406301	63	100

DOUBLE BRACELET



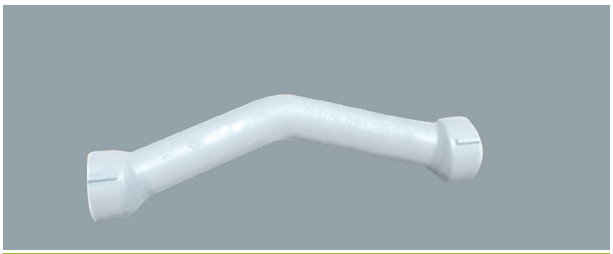
Code	Size/mm	Packing
P2302001	20	400
P2302501	25	300
P2303201	32	200

CROSSOVER PIPE



Code	Size/mm	Packing
P1102001	20	80
P1102501	25	50
P1103201	32	30

CROSSOVER PIPE WITH SOCKET



Code	Size/mm	Packing
P1202001	20	75
P1202501	25	70
P1203201	32	40

CROSSOVER WITH SOCKET (SHORT)



Code	Size/mm	Packing
P1302001	20	150
P1302501	25	120
P1303201	32	60

ADAPTOR FEMALE THREADED



Code	Size/mm	Packing
P3702001	20x1/2”	200
P3702002	20x3/4”	150
P3702501	25x1/2”	150
P3702502	25x3/4”	150
P3703201	32x1/2”	100
P3703202	32x3/4”	100
P3703203	32x1”	80

ADAPTOR MALE THREADED



Code	Size/mm	Packing
P3902001	20x1/2”	200
P3902002	20x3/4”	100
P3902501	25x1/2”	150
P3902502	25x3/4”	150
P3903201	32x1/2”	100
P3903202	32x3/4”	100
P3903203	32x1”	80

HEXAGONAL ADAPTOR FEMALE THREADED



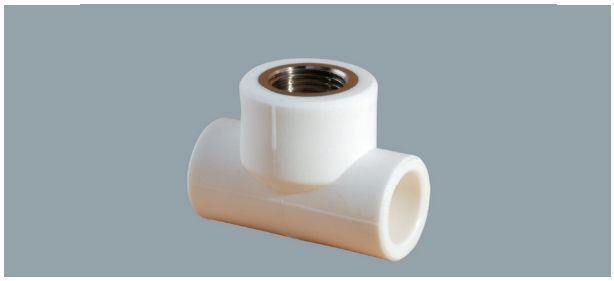
Code	Size/mm	Packing
P3803203	32x1”	80
P3804003	40x1”	50
P3804004	40x1 1/4”	40
P3805004	50x1 1/4”	40
P3805005	50x1 1/2”	40
P3806305	63x1 1/2”	20
P3806306	63x2”	20
P3807507	75x2 1/2”	15
P3809008	90x3”	8
P3811009	110x4”	5
P3812510	125x5”	2

HEXAGONAL ADAPTOR MALE THREADED



Code	Size/mm	Packing
P4003203	32x1”	80
P4004003	40x1”	50
P4004004	40x1 1/4”	40
P4005004	50x1 1/4”	32
P4005005	50x1 1/2”	32
P4006305	63x1 1/2”	20
P4006306	63x2”	16
P4007507	75x2 1/2”	12
P4009008	90x3”	8
P4011009	110x4”	5
P4012510	125x5”	2

TEE 90° FEMALE THREADED



Code	Size/mm	Packing
P4402001	20x1/2”x20	160
P4402002	20x3/4”x20	100
P4402501	25x1/2”x25	100
P4402502	25x3/4”x25	100
P4403201	32x1/2”x32	50
P4403202	32x3/4”x32	50
P4403203	32x1”x32	50
P4404002	40x3/4”x40	50
P4404004	40x1 1/4”x40	40
P4405001	50x1/2”x50	40
P4405002	50x3/4”x50	40
P4406301	63x1/2”x63	20
P4406302	63x3/4”x63	20

ELBOW 90° MALE THREADED



Code	Size/mm	Packing
P4302001	20x1/2”	160
P4302002	20x3/4”	100
P4302501	25x1/2”	100
P4302502	25x3/4”	100
P4303201	32x1/2”	50
P4303202	32x3/4”	50
P4303203	32x1”	50

TEE 90° MALE THREADED



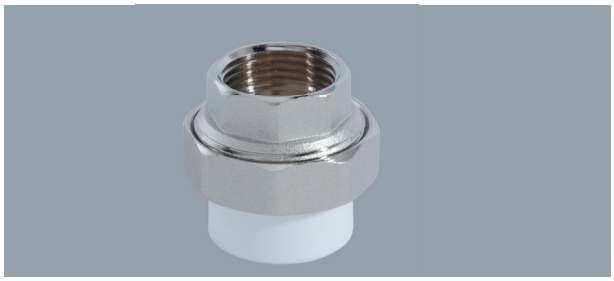
Code	Size/mm	Packing
P4602001	20x1/2”x20	150
P4602002	20x3/4”x20	100
P4602501	25x1/2”x25	100
P4602502	25x3/4”x25	100
P4603201	32x1/2”x32	50
P4603202	32x3/4”x32	50
P4603203	32x1”x32	50

ELBOW 90° FEMALE THREADED



Code	Size/mm	Packing
P4102001	20x1/2”	200
P4102002	20x3/4”	150
P4102501	25x1/2”	150
P4102502	25x3/4”	150
P4103201	32x1/2”	50
P4103202	32x3/4”	50
P4103203	32x1”	50
P4104003	40x1”	32
P4104004	40x1 1/4”	32
P4105004	50x1 1/4”	20
P4105005	50x1 1/2”	20
P4106305	63x1 1/2”	12
P4106306	63x2”	12

ADAPTOR UNION PP / BRASS FEMALE THREADED



Code	Size/mm	Packing
P4802001	20x1/2”	200
P4802502	25x3/4”	100
P4802503	25x1”	100
P4803203	32x1”	80
P4804004	40x1 1/4”	50
P4805005	50x1 1/2”	32
P4806306	63x2”	20
P4807507	75x2 1/2”	15
P4809008	90x3”	8

ADAPTOR UNION PP / BRASS MALE THREADED



Code	Size/mm	Packing
P4902001	20x1/2”	200
P4902502	25x3/4”	100
P4902503	25x1”	100
P4903203	32x1”	80
P4904004	40x1 1/4”	40
P4905005	50x1 1/2”	32
P4906306	63x2”	16
P4907507	75x2 1/2”	12
P4909008	90x3”	5

NIPPLE WITH LOOSE NUT



Code	Size/mm	Packing
P5502001	20x1/2”	200
P5502002	20x3/4”	150
P5502502	25x3/4”	150
P5502503	25x1”	80
P5503203	32x1”	80
P5503204	32x1 1/4”	80

ELBOW WITH LOOSE NUT



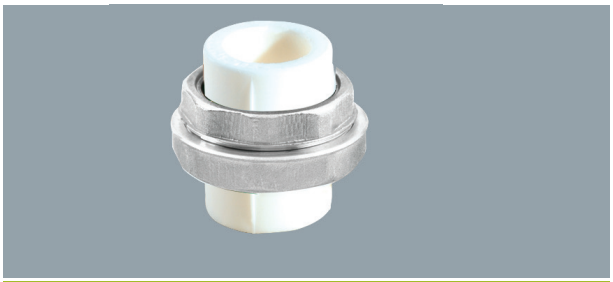
Code	Size/mm	Packing
P5602001	20x1/2”	200
P5602002	20x3/4”	150
P5602502	25x3/4”	150
P5602503	25x1”	100
P5603203	32x1”	80
P5603204	32x1 1/4”	80

TEE WITH LOOSE NUT



Code	Size/mm	Packing
P5702001	20x1/2”	150
P5702002	20x3/4”	150
P5702502	25x3/4”	100
P5702503	25x1”	100
P5703203	32x1”	80
P5703204	32x1 1/4”	80

ADAPTOR DOUBLE UNION



Code	Size/mm	Packing
P5002001	20X1/2”	100
P5002502	25X3/4”	100
P5003203	32X1”	50

VALVE CHROMEPLATED



Code	Size/mm	Packing
P6302001	20x1/2”	20
P6302002	20x3/4”	20
P6302502	25x3/4”	20
P6303203	32x1”	20

CONCEALED VALVE



Code	Size/mm	Packing
P5802002	20-3/4”	30
P5802502	25-3/4”	30

BUTTER FLY VALVE



Code	Size/mm	Packing
P6002001	20x1/2”	50
P6002002	20x3/4”	50
P6002502	25x3/4”	50
P6003203	32x1”	42
P6004001	40x1 1/4”	24
P6005001	50 x1 1/2”	20

DOUBLE BIDET CONNECTION



Code	Size/mm	Packing
P3602001	20x1/2”	40
P3602501	25x1/2”	40

FEMALE ADJUSTABLE BATTERY



Code	Size/mm	Packing
P2902001	20x1/2”	24
P2902501	25x1/2”	24

FEMALE DOUBLE BATTERY CONNECTION



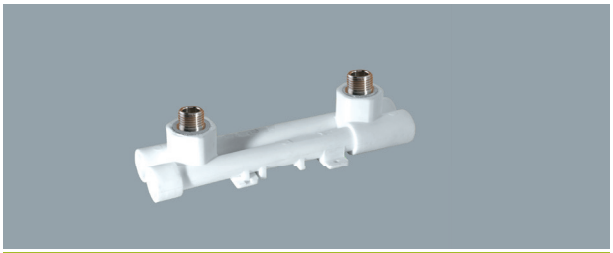
Code	Size/mm	Packing
P3002001	20x1/2”	40
P3002501	25x1/2”	40

BALL COCK



Code	Size/mm	Packing
P7002001	20	100
P7002501	25	50
P7003201	32	30
P7004001	40	20
P7005001	50	20
P7006301	63	10
P7007501	75	5
P7009001	90	4

MALE ADJUSTABLE BATTERY



Code	Size/mm	Packing
P3202001	20x1/2”	24
P3202501	25x1/2”	24

MALE DOUBLE BATTERY CONNECTION



Code	Size/mm	Packing
P3502001	20x1/2”	40
P3502501	25x1/2”	40

FEMALE FILTER



Code	Size/mm	Packing
P5302001	20	150
P5302501	25	70
P5303201	32	50

MALE FILTER



Code	Size/mm	Packing
P5402001	20	100
P5402501	25	70
P5403201	32	50

FEMALE THREADED BATTERY CONNECTION



Code	Size/mm	Packing
P2802001	20x1/2”	120
P2802501	25x1/2”	120
P2802502	25x3/4”	100

MALE THREADED BATTERY CONNECTION



Code	Size/mm	Packing
P3402001	20x1/2”	100
P3402501	25x1/2”	100
P3402502	25x3/4”	100

MALE PLUG SHORT



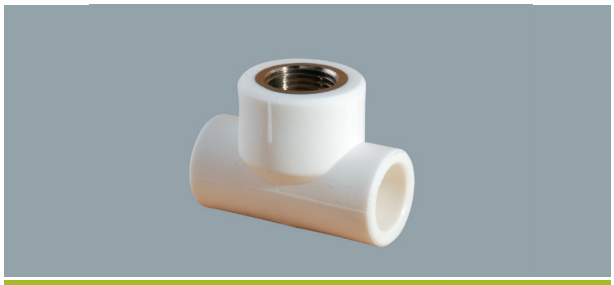
Code	Size/mm	Packing
P2002001	20x1/2”	800
P2002501	25x3/4”	500
P2003201	32x1”	300

MALE PLUG TALL



Code	Size/mm	Packing
P2102001	20x1/2”	600

VALVE BOTTOM



Code	Size/mm	Packing
P6502001	20x1/2”	100
P6502002	20x3/4”	100
P6502502	25x3/4”	100
P6503202	32x3/4”	50
P6503203	32x1”	50

REDUCTION ELBOW 90°



Code	Size/mm	Packing
P1002001	20x25	250

FEMALE THREDED BATTERY BYPASS



Code	Size/mm	Packing
P3102001	20x1/2”	100
P3102501	25x1/2”	100

MALE THREDED BATTERY BYPASS



Code	Size/mm	Packing
P3302001	20x1/2”	120
P3302501	25x1/2”	120

CROSS TEE



Code	Size/mm	Packing
P1402001	20	150
P1402501	25	100
P1403201	32	60
P1404001	40	40

FEMALE THREADED CROSS TEE



Code	Size/mm	Packing
P2705001	50x1/2”/ 50x1/2”	32
P2705002	50x3/4”/ 50x3/4”	32
P2706301	63x1/2”/ 63x1/2”	20
P2706302	63x3/4”/ 63x3/4”	20

WELD IN SADDLE ADAPTOR FEMALE



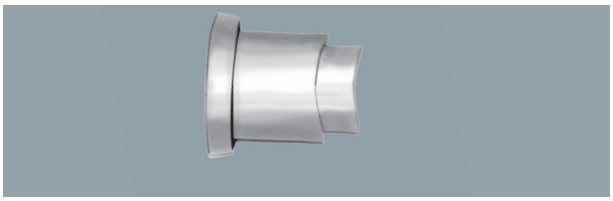
Code	Size/mm	Packing
P5102501	25x1/2”	150
P5102502	25x3/4”	150

WELD IN SADDLE ADAPTOR MALE



Code	Size/mm	Packing
P5202501	25x1/2”	100
P5202502	25x3/4”	100

SOCKET WELD IN SADDLE



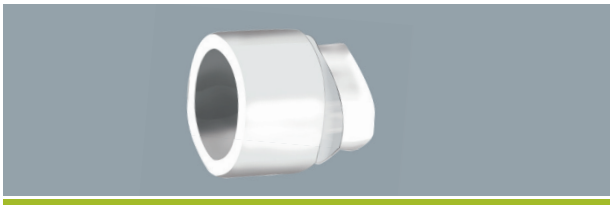
Code	Size/mm	Packing
P2202501	20 For 75 mm	250

PLUG FOR REHEARSAL TESTS



Code	Size/mm	Packing
P2602001	20	300

SADDLE REDUCER



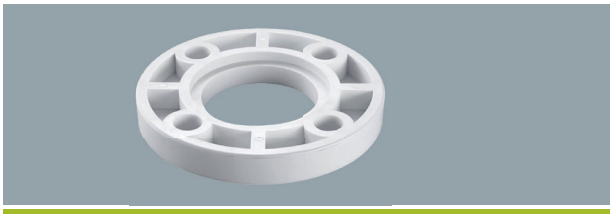
Code	Size/mm	Packing
P2503202	32-25	200

PPRC OUTER FLANGE



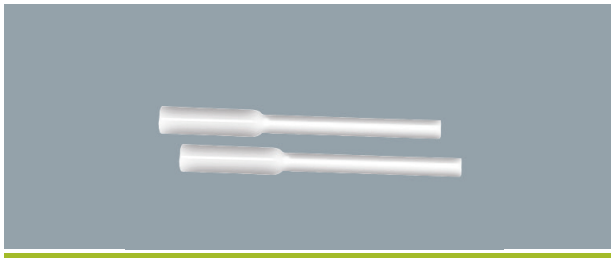
Code	Size/mm	Packing
P6106301	63	35
P6107501	75	30
P6109001	90	24
P6111001	110	18
P6112501	125	10

PPRC INNER FLANGE



Code	Size/mm	Packing
P5907501	75	30
P5909001	90	25
P5911001	110	15
P5912501	125	10

PIN FOR PIPE REPAIR



Code	Size/mm	Packing
P7900001		500

REPAIRING TOOL



Code	Size/mm	Packing
P7800001		100

CONCEALED CHROME -PLATED



Code	Size/mm	Packing
P6902501	3/4”	30

CROMED UPPER PART



Code	Size/mm	Packing
P6703401	3/4”	25

STRAIGHT VALVULA



Code	Size/mm	Packing
P6201201	1/2”	80
P6203401	3/4”	80
P6200101	1”	100
P6211401	1 1/4”	60

WELDING MACHINE SET



Code	Size/mm	Packing
P7600001	20-50	5

ONLY WELDING MACHINE



Code	Size/mm	Packing
P7600002	20-40	1
	1500 Wat	

ONLY WELDING MACHINE



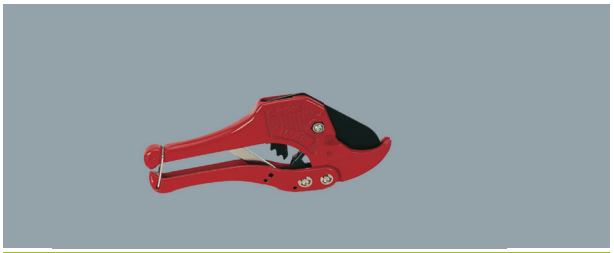
Code	Size/mm	
P7600003	50-75	1
	2000 Wat	

ONLY WELDING MACHINE (BIG)



Code	Size/mm	Packing
P7600004	75-125	1
	2400 Wat	

PIPE CUTTER



Code	Size/mm	
P7500001	16-40	28

PIPE CUTTER



Code	Size/mm	Packing
P7500002	50-63	1

PIPE CUTTER



Code	Size/mm	Packing
P7500003	75-125	1

WELDING SOCKET



Code	Size/mm	Packing
P7402001	20	20
P7402501	25	10
P7403201	32	10
P7404001	40	5
P7405001	50	5
P7406301	63	4
P7407501	75	1
P7409001	90	1
P7411001	110	1
P7412501	125	1

PE- Xb CROSS - LINK PIPE



Code	Size/mm	Packing
X0201601	16x2.0	160
X0201603	16x2.2	100
X0202001	20x1.9	100
X0202501	25x2.3	50
X0203201	32x2.9	50

SPIRAL HOSE



Code	Size/mm	Packing
X0602501	25 mm (Red)	100
X0602502	25 mm (Blue)	100

PE-Xb CROSS-LINK PIPE WITH OXYGENE BARRIER



Code	Size/mm	Packing
X0401601	16x2.0	160

PE-RT PIPE



Code	Size/mm	Packing
X0301601	16x2.0	160

PE-RT PIPE WITH OXYGENE BARRIER



Code	Size/mm	Packing
X0501601	16x2.0	160

plastherm®

PVC-U ExcessWater Pipe & Fittings



The Advantages of Plastherm PVC-U Pipe

1) PVC-U waste water pipes are resistant to organic, inorganic acids and alkalines. They keep their physical specifications up to 60 C,- does not get deformed.2) Durable to outer effects as it is a hard PVC and because of its additional materials.

3) The inner surface being smooth creates an ideal liquidjlow. So no filthiness as a result ofa cloggage occurs.

4) PVC-U waste water pipes and fittings' PN is produced with highest quality standart so noise conductivity is minimum and so provides silent environments.

5) PVC-U waste water pipes and fittings' outer protective plating provides long lasting glimmering and esthetic look even for open air insta Uations.

6) PVC-U waste waterpipes andfittings are used safely in open air systems due to their high UV ray and stike resistancy.

1) PVC-U Atık Su Boruları Organik, inorganik asitlere ve alkalilere karşı dayanıklıdır 60°C'ye kadar fiziksel özelliklerini korur, deforme olmaz.

2) Sert PVC olması ve katkı malzemelerinin özelliklerinden dolayı dış etkenlere karşı dayanıklıdır.

3) İç yüzeyin pürüzsüz ve düz olması ideal bir akışkanlık sağlar.Bu nedenle tıkanmaya sebebiyet verecek kirliliğin oluşması söz konusu değildir.

4) PVC-U Atık Su Boru ve Ekparçalarının et kalınlıkları standartların en üst seviyesine göre üretildiğinden, ses iletimini minimuma indirir. Bu nedenle sessiz ortamlar sağlar.

5) PVC-U Atık Su Boru ve Ekparçalarının dış koruyucu kaplaması, açık tesisatlar için bile, uzun süre dayanan parlak ve hoş bir görünüm sağlar.

6) PVC-U Atık Su Boru ve Ekparçaları yüksek UV ve darbeye dayanıklı yapılarıyla, dış tesisatlarda güvenle kullanılır.

İmportant not fore Installation

1. Nane of the pi pes and fittings should be heated far installation.

2. Far the easy installation lubricant is applied to the visible part of the gasket and on the outer surface of the pipe's depth to be inserted. Do not use lube oils as a lubricant. Cleaning metarials of liquid gel type can be used. The insertion is made on linear axis without farming any angle.

3. Avoid using different materials far mounting the rings on the wall.

1. Hiçbir boru ve ekparça montaj için kesinlikle ısıtılmamalı.

2. Boruların rahat takılabilmesi için contanın görünen yüzeyine ve takılacak borunun girme derinliğine kadar dış yüzeyine kaydırıcı sürülür. Kaydırıcı olarak madeni yağlar kesinlikle kullanılmamalıdır. Sıvı jel türü temizleyi Maddeler kaydırıcı olarak kullanılabilir.Açı oluşturmadan düz eksende ittirilerek ekleme yapılır.

3. Kelepçelerin dışında duvara monte için başka malzemeler kullanılmamalı.



Plastherm, PVC-U Pipes & Fittings were produced according to TS-275-1, ENI329-1 / 13.4.199 by Europe and Turkish tse Standart. Plastherm offers best quality and services as well as better comptetive prices en dometic an foreing market forever.

Plastherm, PVC-U atık suboru v ekparçalır TS-275-1, ENI329-1 / 13.4.199 Standartlarına göre üretilmekte olup, üretmiş olduğu bütün ürünlerde olduğu gibi PVC-A atık su boru ve ekparçalarında da kalitesi ile iddialıdır.

EXCESS WATER PIPE (Typ-1 / 3.2 mm)



Code	Size/mm	Packing
V0105001	50/150	150
V0105002	50/250	100
V0105003	50/500	20
V0105004	50/1000	10
V0105005	50/2000	10
V0105006	50/3000	10
V0105007	50/6000	10
V0107501	75/150	100
V0107502	75/250	60
V0107503	75/500	10
V0107504	75/1000	5
V0107505	75/2000	5
V0107506	75/3000	5
V0107507	75/6000	5
V0111001	110/150	50
V0111002	110/250	30
V0111003	110/500	10
V0111004	110/1000	5
V0111005	110/2000	5
V0111006	110/3000	5
V0111007	110/6000	5
V0112501	125/150	25
V0112502	125/250	25
V0112503	125/500	10
V0112504	125/1000	5
V0112505	125/2000	5
V0112506	125/3000	5
V0112507	125/6000	5
V0116001	160/150	15
V0116002	160/250	15
V0116003	160/500	6

EXCESS WATER PIPE (Typ-1 / 3.2 mm)

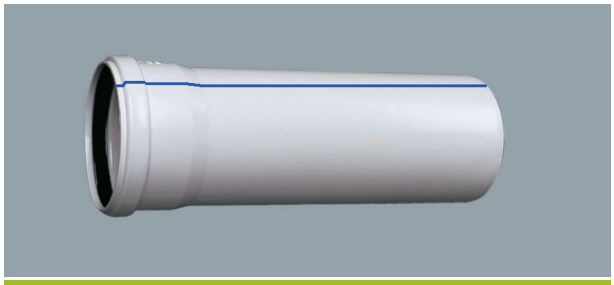
V0116004	160/1000	3
V0116005	160/2000	3
V0116006	160/3000	3
V0116007	160/6000	1
V0120001	200/150	1
V0120002	200/250	1
V0120003	200/500	2
V0120004	200/1000	1
V0120005	200/2000	1
V0120006	200/3000	1
V0120007	200/6000	1
V0125001	250/150	1
V0125002	250/250	1
V0125003	250/500	1
V0125004	250/1000	1
V0125005	250/2000	1
V0125006	250/3000	1
V0125007	250/6000	1

SINGLE BRANCHE TEE 87°



Code	Size/mm	Packing
V0605001	50x50	150
V0607501	75x50	75
V0607502	75x75	50
V0611001	110x50	35
V0611002	110x75	30
V0611003	110x110	20
V0612503	125x110	10
V0612504	125x125	5
V0616003	160x110	6
V0616005	160x160	5

EXCESS WATER PIPE (Typ-2 / 2.2 mm)



Code	Size/mm	Packing
V0205003	50/500	20
V0205004	50/1000	10
V0205005	50/2000	10
V0205006	50/3000	10
V0205007	50/6000	10
V0207503	75/500	10
V0207504	75/1000	5
V0207505	75/2000	5
V0207506	75/3000	5
V0207507	75/6000	5
V0211003	110/500	10
V0211004	110/1000	5
V0211005	110/2000	5
V0211006	110/3000	5
V0211007	110/6000	5
V0212503	125/500	10
V0212504	125/1000	5
V0212505	125/2000	5
V0212506	125/3000	5
V0212507	125/6000	5
V0216003	160/500	6
V0216004	160/1000	3
V0216005	160/2000	3
V0216006	160/3000	3
V0216007	160/6000	1
V0220003	200/500	2
V0220004	200/1000	1
V0220005	200/2000	1
V0220006	200/3000	1
V0220007	200/6000	1
V0225003	250/500	1

EXCESS WATER PIPE (Typ-2 / 2.2 mm)

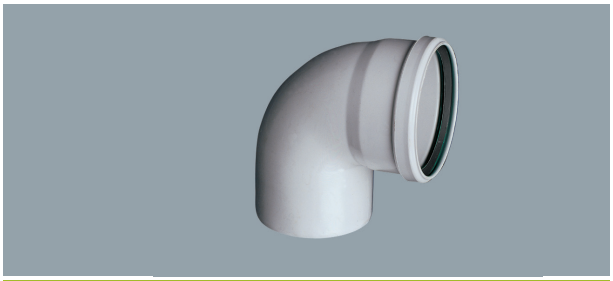
V0225004	250/1000	1
V0225005	250/2000	1
V0225006	250/3000	1
V0225007	250/6000	1

OPEN ELBOW 45°



Code	Size/mm	Packing
V0305001	50	200
V0307501	75	100
V0311001	110	40
V0312501	125	25
V0316001	160	15
V0320001	200	8

CLOSE ELBOW 87°



Code	Size/mm	Packing
V0405001	50	200
V0407501	75	75
V0411001	110	30
V0412501	125	20
V0416001	160	16
V0420001	200	4

SINGLE BRANCHE TEE 45°



Code	Size/mm	Packing
V0505001	50x50	100
V0507501	75x50	50
V0507502	75x75	40
V0511001	110x50	30
V0511002	110x75	25
V0511003	110x110	15
V0512501	125x50	20
V0512502	125x75	15
V0512503	125x110	5
V0512504	125x125	5
V0516003	160x110	5
V0516004	160x125	4
V0516005	160x160	4

DOUBLE BRANCHE TEE 45°



Code	Size/mm	Packing
V0705001	50x50	75
V0707501	75x50	50
V0707502	75x75	30
V0711001	110x50	25
V0711002	110x75	6
V0711003	110x110	5
V0712503	125x110	5
V0712504	125x125	5
V0716001	160x50	10
V0716003	160x110	5

CLEANING TEE



Code	Size/mm	Packing
V0907501	75	50
V0911001	110	20
V0912501	125	5
V0916001	160	5

PIPE END PLUG



Code	Size/mm	Packing
V1605001	50	750
V1607501	75	250
V1611001	110	125
V1612501	125	100
V1616001	160	100

REDUCING BUSH



Code	Size/mm	Packing
V0807501	75x50	150
V0811001	110x50	75
V0811002	110x75	75
V0812501	125x50	50
V0812502	125x75	50
V0812503	125x110	40
V0816003	160x110	40
V0816004	160x125	35
V0820003	200x110	15
V0820004	200x160	15

SOCKET JOINT COLLAR



Code	Size/mm	Packing
V1205001	50	250
V1207501	75	100
V1211001	110	40
V1212501	125	30
V1216001	160	15
V1220001	200	12

S-SIPHON



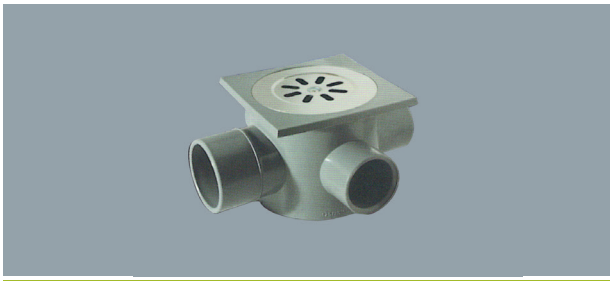
Code	Size/mm	Packing
V1007501	75 (Elbow 90°)	40
V1010001	110 (Elbow 90°)	10
V1110001	110 (Elbow 45°)	10

BRACELET WITH COVER



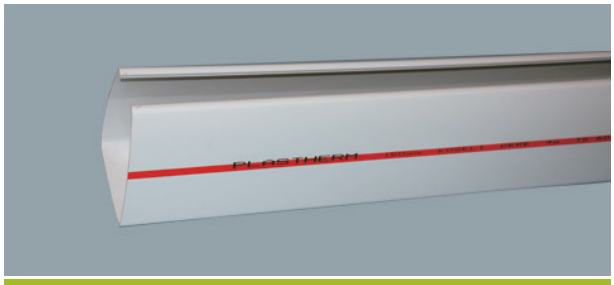
Code	Size/mm	Packing
V1305001	50	250
V1307501	75	200
V1311001	110	100
V1312501	125	80
V1316001	160	40
V1320001	200	40

FLOOR TRAP



Code	Size/mm	Packing
V1500001	Short 125x70x50x50x50	24
V1500002	Tall 125x70x50x50x50	20

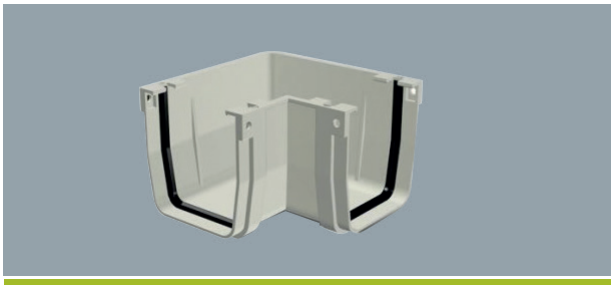
CORNERED RAIN GUTTER



Code	Size/mm	Packing
V1816001	160	4

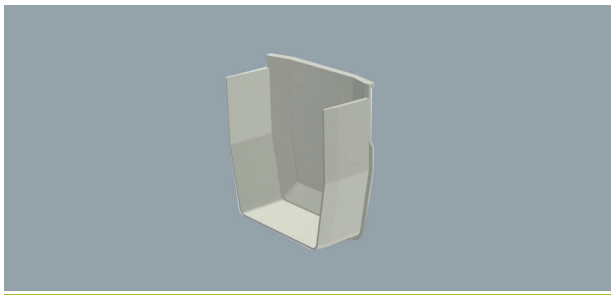
(4 m Length)

GUTTER INSIDE CORNER



Code	Size/mm	
V2216001	160	30

CORNERED END CAP



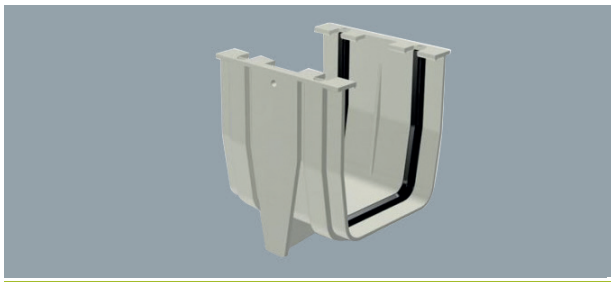
Code	Size/mm	Packing
V2016001	160	200

RAIN GUTTER DOWNWARDS



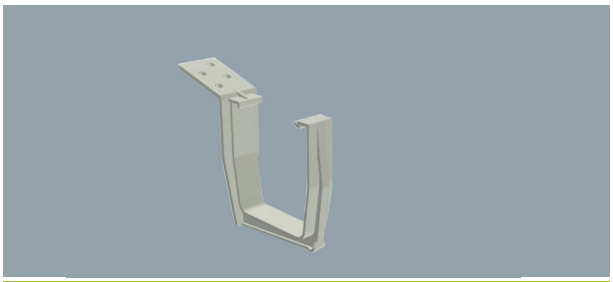
Code	Size/mm	
V2407501	160x75	30

CORNERED SOCKET FOR GUTTER



Code	Size/mm	Packing
V2116001	160	50

CORNERED HANGER



Code	Size/mm	Packing
V2716001	160	80

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