



FLUIDTHERM

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 8.500 products, divided into four categories:



PIPING
SOLUTIONS



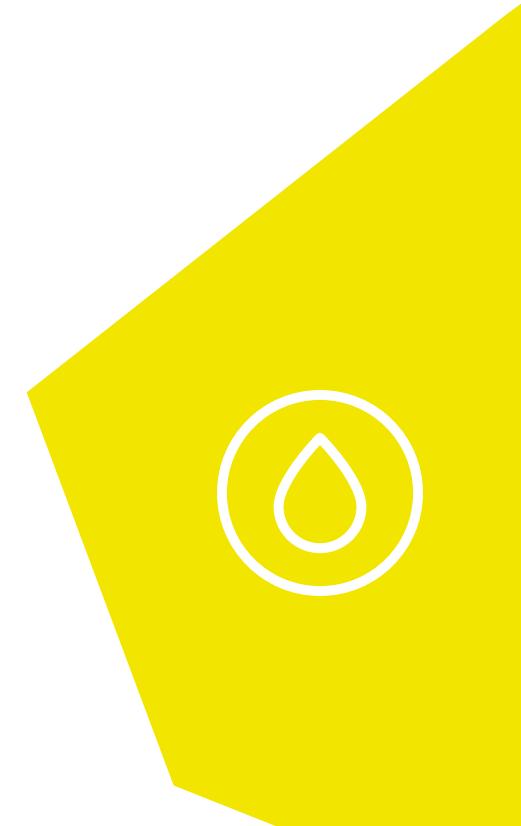
BATHROOM
SOLUTIONS



AGROCULTURE
SOLUTIONS



HOUSEHOLD
SOLUTIONS



Edition 7



FLUIDTHERM



PP-R pipes & fittings for warm and cold water supply

PP-R and PP-RCT pipes are intended to be used for installation of hot and cold hygienic portable water, for heating and cooling systems, radiator connections, as well as for gray and reclaimed water transportation.

They are also intended to be used for the transportation of alimentary liquids, irrigation of the greenhouses and gardens, shipment of pressure air, vacuum installations, for the flow of various fluids in chemical industry, as well as for the transportation of the sea water and highly abrasive fluids. Their low weight and high tolerance to vibrations makes them suitable for various applications related to trains, ships, trucks and camping trailers, both in aggressive environment and on unstable ground.

SPECIFICATION OF MATERIAL

Polypropylene random copolymer [PP-R]

Polypropylene random copolymer with modified crystallinity [PP-RCT]

Polypropylene Random Copolymer has been used in the domestic plumbing and mechanical applications for more than 20 years. With its long history and proven performance PP-R material made an excellent fit to the demand for pressure resistance at high temperatures. Increase of the ecological awareness contributed to the final recognition of our product as the superior one in

the world of liquid engineering. New generation of material named as PP-RCT is Polypropylene-Random-Copolymer with improved temperature resistance and enhanced crystalline structure brought about by a special nucleation. Proof of excellent performance characteristics of PP-RCT is categorized required strength (CRS) of 5 MPa at 70 °C and 50 years in comparison to a value of

3,21 MPa for standard PP-R. Offering more than 50% improved long-term strength PP-RCT enables designers to achieve higher pipe hydraulic capacity and gives them possibility to apply higher pressure than with standard PP-R with MRS 10.0 MPa. Quality of raw material is being controlled by the Health and Care State Institute.

ADVANTAGES OF MATERIAL

Welding properties

During the welding material suffers neither changes nor burnings thus connections between pipes and fittings are both strong and safe.

Burning cauterity

PP-R and PP-RCT is classified as normal flammable material which under ideal burning conditions turns into carbon monoxide and water.

* For more informations regarding the applications for transportation of special fluids, operation conditions please contact Pestan's technical support.

Polymer is protected during processing

Material can be processed several times without changes in molecular structure and without deterioration of physical and chemical characteristics and thermo-mechanical properties.

Impact strength

Impact strength of PP-R and PP-RCT pipes significantly decreases at temperatures below 5 °C which is common for polypropylene pipes

Resistance to chemical substances and metals

PP-R and PP-RCT is completely resistant to hydrolysis. Due to non-polar PP-R and PP-RCT behavior and specially designed additive package PP-R and PP-RCT are also suitable for transportation of the most of the chemicals.

Opacity

Light transmission through PP-R and PP-RCT is less than 0.2% which prevents growth of algae on the inside surface of pipes and fittings meant for drinking water.



PERMISSIBLE OPERATING PRESSURE DEPENDING ON TEMPERATURE AND THE EXPECTED LIFE OF THE TUBE IN ACCORDANCE WITH DIN 8077

PP-RCT

| TEMPERATURE °C | SERVICE LIFE, YEARS | PERMISSIBLE OPERATING PRESSURE, BAR (SF=1,5) | | | | | |
|----------------|---------------------|--|------|------|------|--|--|
| | | S | | | | | |
| | | 5 | 4 | 3,2 | 2,5 | | |
| | | 11 | 9 | 7,4 | 6 | | |
| 10 | 1 | 19,0 | 24,0 | 30,2 | 38,0 | | |
| | 5 | 18,4 | 23,3 | 29,3 | 36,8 | | |
| | 10 | 18,3 | 22,9 | 28,9 | 36,4 | | |
| | 25 | 17,9 | 22,6 | 28,4 | 35,8 | | |
| | 50 | 17,7 | 22,3 | 28,0 | 35,3 | | |
| 20 | 100 | 17,4 | 21,9 | 27,7 | 34,8 | | |
| | 1 | 16,6 | 20,8 | 26,3 | 33,1 | | |
| | 5 | 16,1 | 20,2 | 25,4 | 32,1 | | |
| | 10 | 15,8 | 19,9 | 25,1 | 31,6 | | |
| | 25 | 15,5 | 19,6 | 24,7 | 31,0 | | |
| | 50 | 15,3 | 19,3 | 24,3 | 30,6 | | |
| 30 | 100 | 15,1 | 19,0 | 24,0 | 30,2 | | |
| | 1 | 14,3 | 18,1 | 22,8 | 28,7 | | |
| | 5 | 13,8 | 17,4 | 22,0 | 27,7 | | |
| | 10 | 13,7 | 17,2 | 21,7 | 27,3 | | |
| | 25 | 13,4 | 16,8 | 21,3 | 26,8 | | |
| | 50 | 13,2 | 16,6 | 20,9 | 26,3 | | |
| 40 | 100 | 13,0 | 16,4 | 20,7 | 26,0 | | |
| | 1 | 12,3 | 15,5 | 19,6 | 24,7 | | |
| | 5 | 11,9 | 15,0 | 18,8 | 23,8 | | |
| | 10 | 11,8 | 14,8 | 18,6 | 23,4 | | |
| | 25 | 11,5 | 14,4 | 18,2 | 22,9 | | |
| | 50 | 11,3 | 14,3 | 17,9 | 22,6 | | |
| 50 | 100 | 11,1 | 14,0 | 17,7 | 22,3 | | |
| | 1 | 10,5 | 13,3 | 16,8 | 21,1 | | |
| | 5 | 10,2 | 12,8 | 16,1 | 20,3 | | |
| | 10 | 10,0 | 12,6 | 15,8 | 19,9 | | |
| | 25 | 9,8 | 12,3 | 15,5 | 19,5 | | |
| | 50 | 9,6 | 12,1 | 15,3 | 19,2 | | |
| 60 | 100 | 9,4 | 11,9 | 15,0 | 18,8 | | |
| | 1 | 8,9 | 11,3 | 14,2 | 17,8 | | |
| | 5 | 8,6 | 10,8 | 13,6 | 17,2 | | |
| | 10 | 8,4 | 10,6 | 13,3 | 16,8 | | |
| | 25 | 8,3 | 10,3 | 13,1 | 16,5 | | |
| | 50 | 8,1 | 10,2 | 12,8 | 16,2 | | |
| 70 | 1 | 7,5 | 9,4 | 11,9 | 15,0 | | |
| | 5 | 7,2 | 9,1 | 11,4 | 14,4 | | |
| | 10 | 7,1 | 8,9 | 11,3 | 14,1 | | |
| | 25 | 6,9 | 8,7 | 10,9 | 13,8 | | |
| | 50 | 6,8 | 8,5 | 10,8 | 13,5 | | |
| 80 | 1 | 6,3 | 7,9 | 9,9 | 12,5 | | |
| | 5 | 6,0 | 7,5 | 9,5 | 12,0 | | |
| | 10 | 5,8 | 7,4 | 9,3 | 11,8 | | |
| | 25 | 5,8 | 7,2 | 9,1 | 11,4 | | |
| 95 | 1 | 4,7 | 5,9 | 7,4 | 9,3 | | |
| | 5 | 4,4 | 5,6 | 7,1 | 8,9 | | |
| | 10 | 4,3 | 5,5 | 6,9 | 8,8 | | |

| PP-R | TEMPERATURE °C | SERVICE LIFE, YEARS | PERMISSIBLE OPERATING PRESSURE, BAR (SF=1,5) | | | | | |
|------|----------------|---------------------|--|-----|-----|------|--|--|
| | | | S | | | | | |
| | | | 5 | 3,2 | 2,5 | | | |
| | | | 11 | 7,4 | 6 | | | |
| 10 | 1 | 17,6 | 27,8 | | | 35,1 | | |
| | 5 | 16,5 | 26,3 | | | 33,1 | | |
| | 10 | 16,1 | 25,6 | | | 32,2 | | |
| | 25 | 15,6 | 24,8 | | | 31,2 | | |
| | 50 | 15,2 | 24,1 | | | 30,0 | | |
| 20 | 100 | 14,8 | 23,5 | | | 29,6 | | |
| | 1 | 15,0 | 23,8 | | | 29,9 | | |
| | 5 | 14,1 | 22,3 | | | 28,1 | | |
| | 10 | 13,7 | 21,8 | | | 27,3 | | |
| | 25 | 13,3 | 21,0 | | | 26,4 | | |
| 30 | 50 | 12,8 | 20,4 | | | 25,8 | | |
| | 100 | 12,5 | 19,9 | | | 25,1 | | |
| | 1 | 12,8 | 20,2 | | | 25,4 | | |
| | 5 | 11,9 | 18,9 | | | 23,8 | | |
| | 10 | 11,6 | 18,4 | | | 23,2 | | |
| 40 | 25 | 11,2 | 17,8 | | | 22,3 | | |
| | 50 | 10,8 | 17,3 | | | 21,8 | | |
| | 100 | 10,6 | 16,8 | | | 21,2 | | |
| | 1 | 10,8 | 17,2 | | | 21,6 | | |
| | 5 | 10,1 | 16,0 | | | 20,2 | | |
| 50 | 10 | 9,8 | 15,6 | | | 19,6 | | |
| | 25 | 9,4 | 15,0 | | | 18,8 | | |
| | 50 | 9,2 | 14,5 | | | 18,3 | | |
| | 100 | 8,9 | 14,1 | | | 17,8 | | |
| | 1 | 9,2 | 14,5 | | | 18,3 | | |
| 60 | 5 | 8,5 | 13,5 | | | 17,0 | | |
| | 10 | 8,3 | 13,1 | | | 16,5 | | |
| | 25 | 7,9 | 12,6 | | | 15,8 | | |
| | 50 | 7,7 | 12,3 | | | 15,4 | | |
| | 100 | 7,5 | 11,8 | | | 14,9 | | |
| 70 | 1 | 7,7 | 12,3 | | | 15,4 | | |
| | 5 | 7,2 | 11,3 | | | 14,3 | | |
| | 10 | 6,9 | 11,0 | | | 13,8 | | |
| | 25 | 6,7 | 10,6 | | | 13,3 | | |
| | 50 | 6,4 | 10,3 | | | 12,9 | | |
| 80 | 1 | 6,5 | 10,3 | | | 12,9 | | |
| | 5 | 6,0 | 9,5 | | | 12,0 | | |
| | 10 | 5,8 | 9,3 | | | 11,6 | | |
| | 25 | 5,0 | 8,0 | | | 10,1 | | |
| | 50 | 4,3 | 6,8 | | | 8,5 | | |
| 95 | 1 | 5,4 | 8,6 | | | 10,8 | | |
| | 5 | 4,8 | 7,6 | | | 9,6 | | |
| | 10 | 4,0 | 6,4 | | | 8,1 | | |
| | 25 | 3,3 | 5,2 | | | 6,5 | | |
| | 1 | 3,8 | 6,1 | | | 7,7 | | |
| 95 | 5 | 2,6 | 4,1 | | | 5,2 | | |
| | 10 | 2,2 | 3,4 | | | 4,3 | | |

CHARACTERISTICS AND TECHNICAL DATA

- Long durability, thanks to its resistance to environment, IT DOESN'T CORODE.
- Möglichkeit of damage breaching caused by unpredictable currents
- Small pressure loss because of the smooth surface, which prevents sediments to get caught on the pipe wall, prevents turbulence and friction.
- They don't contain poisonous ingredients and are completely in accordance with standards of the flow for drinking water.
- Great thermal and sound insulator.
- Risk of condensation diminished to minimum, which is the characteristic of metal pipes.
- Energy savings.
- All insertions implemented in fitting are made of MS bar guaranteed chemical composition, which provides waterproofness of the joints.
- Excellent availability for welding. All parts can be connected with welding tool or electric muff.
- Very light, even 9 times lighter than steel which facilitates transportation and handling.

PP-R pipes are used with installations for hot and cold water and sanitary water. They can completely step in place of the zinced pipes for use of the potable water even in cases of high concentration of calcium. They are also used in outflow of the potable liquids, irrigation in gardens, delivery of pressured air, vacuum installations, chemical industry with flow of diverse liquids, also with conduct of sea water and highly abrasive liquids. It is frequently used with radiant heating also with floor heating and air conditioning. Their small weight and high tolerance to vibration are good for appliance in trains, ships, trucks, trailers, in aggressive environment and unstable grounds.

Pipes with glass fibers

Dilation diminishing can be realized by using composite PP-R and PP-RCT pipes with glass

fibers. They are 3 layer pipes which middle layer has coextruded glass fibers. PESTAN recommends that glass fiber pipes be used for hot potable water and heating applications. Standard PP-R and PP-RCT fittings can be used for joining pipes with glass fibers by welding method.

Installation of PP-R and PP-RCT pipe systems

Process of head-to-head welding of pipes and fittings is very quick and simple. Joint of pipe and fitting is safe and strong, ready for use after couple of minutes.

Drinking water belongs to the best controlled foodstuffs

Home pipe system for supplying sanitary water should not affect the quality of drinking water. The choice of sanitary pipe system and the quality of materials, which is used for their production, it is

therefore of crucial importance. The system of pipes for drinking water of PP-R and PP-RCT is due to its physico-chemical feature environmental friendly and hygienic. The technical suitability of PP-R and PP-RCT is proven around the world for more than 20 years.

Pipe insulation

Pipe insulation is done to prevent dew and heat loss. PP-R pipes have a relatively low coefficient of thermal conductivity (0.24 W/mK), much lower than steel pipe, which allows significant energy savings. According to coefficient thermal conductivity, minimum insulation thickness is prescribed. When transporting cold liquids condensation may be possible ("sweating tube"), and is therefore desirable to insulate the pipe. Dew happens because of the differences between temperatures of transported fluid and ambient temperature.



**Pipes made by Peštan
are easy to handle.
They weigh up to 80% less than
other metal pipes making them
easy to position, unpack, ship
or assemble.**

INSTALLER BENEFITS

Air testing convenient

With their remarkable characteristics, pipes made by Peštan successfully undergo the pressure test. Beside air pressure, the system can be tested using water air or water mix. Being very convenient, PEŠTAN pipes save time and prevent possible mess in case of a leak during the test.

Long-lasting material

PP-R and PP-RCT is both chemically and physically durable material which proves to be unbreakable in cases of incidental damage.

Compatible piping system

Due to the great compatibility of pipes made by Peštan which provides a wide range of edge connections and most advanced PP-R and PP-RCT, connecting systems and equipment are easily and quickly installed on safe way.

Time-saving fusion

Pipes and fittings made by Peštan are assembled with heat fusion and, as mentioned earlier, heat fusion is a process used to join pipes and fittings together by heating the materials and inserting them together which results in a perfect bond every time. It can save up to 50% of labor time compared to traditional welding and soldering.

Inflexible hanging pipe

Inflexible and rigid on their hangers, pipes made by Peštan appear to be clean and conventional with elbows and tees. That is why an installer can assemble more pipes while the final product is left to a craftsman.

Consistent outcomes

Using of PP-R and PP-RCT and heat fusion resulted in consistency and reliability of the piping system. The whole system can work without a single leak anywhere.

Expansion control

There is no need for additional expansion control since linear expansion is reduced by the fiber layer. The pipe itself absorbs its own stresses when fixed or buried so the expansion loops can be in use for longer period of time.

Flexible bonds and extent

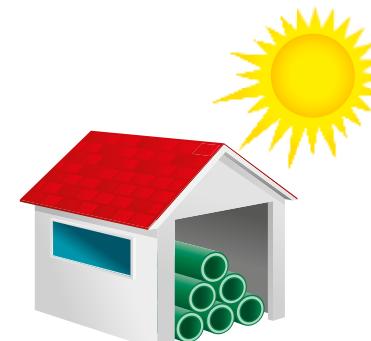
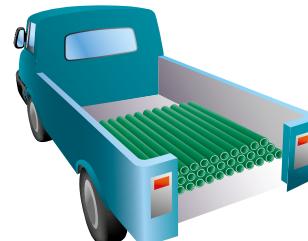
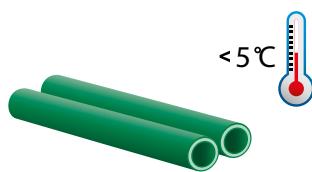
Heat fusion bonds share the same properties with the pipes and fittings. This means that an assembled pipe is flexible enough to be prefabricated and moved without risking joints to crack or leak. Such an advantage also contributes to pipe protection from seismic activity but also gives the pipes even wider field of application.

TRANSPORT AND STORAGE

When storing PP-R pipes, make sure that they are separate from areas where solvents, adhesives, paint and similar products.

If the area where the tube occupied by moderate heating to 50 °C, it is necessary that the distance between the tube and the heating body, of at least 1 m. Storage should be chosen so that the pipe is always placed against it over the entire surface. One should avoid bending in storage and in transit. During transport pipes are not allowed to lay on the flat, truck or deck. Also, the pipes must be protected from mechanical damage and provided in a way that they are not exposed to dirt, solvents or direct heat.

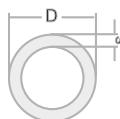
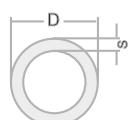
- Fluidtherm tubes can be stored at a temperature of at least 50 °C.
- PP-R pipes should be protected from direct UV radiation
- Storage PP-R pipe
- Pipes at low temperatures become fragile
- Right and wrong transporting PP-R pipe



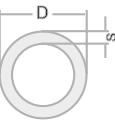
| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|----------------------------|---|-----|----------------|----------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-R) | | | GREEN | WHITE | GRAY | |
| | | | EN 15874 | | | |
| | | | SDR 6 [PN25] | | | |
| |  | | | | | |
| | | | | 10000220 | 16 | 2,7 |
| | | | | 10000230 | 20 | 3,4 |
| | | | | 10000240 | 25 | 4,2 |
| | | | | 10000250 | 32 | 5,4 |
| | | | | 10000260 | 40 | 6,7 |
| | | | | 10000270 | 50 | 8,3 |
| | | | | 10000280 | 63 | 10,5 |
| | | | | 10000290 | 75 | 12,5 |
| | | | | 10000300 | 90 | 15 |
| | | | | 10000310 | 110 | 18,3 |
| | | | | 10000315 | 125 | 20,8 |
| | | | | | 160 | 26,6 |
| | | | | | | 106,8 |
| | | | DIN 8077 | | | |
| | | | SDR 6 [PN25] | | | |
| | | | | | 200 | 33,2 |
| | | | | | | 133,6 |
| | | | EN 15874 | | | |
| | | | SDR 7.4 [PN20] | | | |
| | | | | 10000120 | 16 | 2,2 |
| | | | | 10000130 | 20 | 2,8 |
| | | | | 10000140 | 25 | 3,5 |
| | | | | 10000150 | 32 | 4,4 |
| | | | | 10000160 | 40 | 5,5 |
| | | | | 10000170 | 50 | 6,9 |
| | | | | 10000180 | 63 | 8,6 |
| | | | | 10000190 | 75 | 10,3 |
| | | | | 10000200 | 90 | 12,3 |
| | | | | 10000210 | 110 | 15,1 |
| | | | | 10000215 | 125 | 17,1 |
| | | | | | 160 | 21,9 |
| | | | | | | 106,8 |
| | | | DIN 8077 | | | |
| | | | SDR 7.4 [PN20] | | | |
| | | | | | 200 | 27,4 |
| | | | | | 250 | 34,2 |
| | | | | | | 181,6 |
| | | | DIN 8077 | | | |
| | | | SDR 9 [PN16] | | | |
| | | | | | 200 | 22,4 |
| | | | | | 250 | 27,9 |
| | | | | | 315 | 35,2 |
| | | | | | 355 | 39,7 |
| | | | | | | 275,6 |
| | | | EN 15874 | | | |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|---------|--------------------|----------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-R) | | | GREEN | WHITE | GRAY | |
| | | | 10000020 | 16 | 1,8 | 12,4 |
| | | | 10000030 | 20 | 1,9 | 16,2 |
| | | | 10000040 | 25 | 2,3 | 20,4 |
| | | | 10000050 | 32 | 2,9 | 26,2 |
| | | | 10000060 | 40 | 3,7 | 32,6 |
| | | | 10000070 | 50 | 4,6 | 40,8 |
| | | | 10000080 | 63 | 5,8 | 51,4 |
| | | | 10000090 | 75 | 6,8 | 61,4 |
| | | | 10000100 | 90 | 8,2 | 73,6 |
| | | | 10000110 | 110 | 10 | 90 |
| | | | 10000115 | 125 | 11,4 | 102,2 |
| | | | | 160 | 14,6 | 126,8 |
| | | | | 200 | 18,2 | 163,6 |
| | | | | 250 | 22,7 | 204,6 |
| | | | | 315 | 28,6 | 257,8 |
| | | | | 355 | 32,2 | 290,6 |
| | | | | 400 | 36,3 | 327,4 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| FLUIDTHERM PPR PIPE (PP-R / PP-R FG / PP-R) | | | GREEN | WHITE | GRAY | |
| | | SDR 11 [PN10] | | | | |
| | | DIN 8077 | | | | |
| | | SDR 11 [PN12,5] | | | | |
| | | DIN 8077 | | | | |
| | | SDR 17,6 [PN6] | | | | |
| EN 15874 | | | | | | |
| | | | | | | |
| | | SDR 6 [PN 25] | | | | |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|---------|--------------------|----------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-R / PP-R FG / PP-R) | | | GREEN | WHITE | GRAY | |
| | | | EN 15874 | | | |
| | | SDR 6 [PN 25] | | 125 | 20.8 | 83.4 |
| | | | | 160 | 26.6 | 106.8 |
| | | | | | | |
| | | DIN 8077 | | 200 | 33.2 | 133.6 |
| | | SDR 6 [PN 25] | | | | |
| | | | | | | |
| | | EN 15874 | | 16 | 2.2 | 11.6 |
| | | SDR 7.4 [PN 20] | | 20 | 2.8 | 14.4 |
| | | | | 25 | 3.5 | 18 |
| | | | | 32 | 4.4 | 23.2 |
| | | | | 40 | 5.5 | 29 |
| | | | | 50 | 6.9 | 36.2 |
| | | | | 63 | 8.6 | 45.8 |
| | | | | 75 | 10.3 | 54.4 |
| | | | | 90 | 12.3 | 65.4 |
| | | | | 110 | 15.1 | 79.8 |
| | | | | 125 | 17.1 | 90.8 |
| | | | | 160 | 21.9 | 116.2 |
| | | | | | | |
| | | DIN 8077 | | | | |
| | | SDR 7.4 [PN 20] | | 200 | 27.4 | 133.6 |
| | | | | 250 | 34.2 | 181.6 |
| | | | | | | |
| | | DIN 8077 | | | | |
| | | SDR 9 [PN 16] | | 200 | 22.4 | 155.2 |
| | | | | 250 | 27.9 | 194.2 |
| | | | | 315 | 35.2 | 244.6 |
| | | | | 355 | 39.7 | 275.6 |
| | | | | | | |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|--|---|-----|-------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-R / PP-R FG / PP-R) | | | GREEN | WHITE | GRAY | |
| EN 15874 | | | | | | |
| |  | | | | | |
| |  | | | | | |
| SDR 11 [PN 10] | | | | 16 | 1.8 | 12.4 |
| | | | | 20 | 1.9 | 16.2 |
| | | | | 25 | 2.3 | 20.4 |
| | | | | 32 | 2.9 | 26.2 |
| | | | | 40 | 3.7 | 32.6 |
| | | | | 50 | 4.6 | 40.8 |
| | | | | 63 | 5.8 | 51.4 |
| | | | | 75 | 6.8 | 61.4 |
| | | | | 90 | 8.2 | 73.6 |
| | | | | 110 | 10 | 90 |
| | | | | 125 | 11.4 | 102.2 |
| | | | | 160 | 14.6 | 126.8 |
| DIN 8077 | | | | | | |
| | | | | | | |
| SDR 11 [PN 12,5] | | | | 200 | 18.2 | 163.6 |
| | | | | 250 | 22.7 | 204.6 |
| | | | | 315 | 28.6 | 257.8 |
| | | | | 355 | 32.2 | 290.6 |
| | | | | 400 | 36.3 | 327.4 |
| DIN 8077 | | | | | | |
| | | | | | | |
| SDR 17,6 [PN 6] | | | | 200 | 11.4 | 177.2 |
| | | | | 250 | 14.2 | 221.2 |
| | | | | 315 | 17.9 | 279.2 |
| | | | | 355 | 20.1 | 314.8 |
| | | | | 400 | 22.7 | 354.6 |
| | | | | 500 | 28.4 | 443.2 |
| | | | | 630 | 35.7 | 558.6 |
| FLUIDTHERM PPR PIPE (PP-R / PP-R FG / PP-R) | | | GREEN | WHITE | GRAY | |
| | | | | | | |
| |  | | | | | |
| |  | | | | | |
| SDR 6 [PN 25] | | | | | | |
| | | | | | | |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|---|-----------------|------------------------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-R / PP-R FG / PP-R) | | | GREEN WHITE GRAY | | | |
| | | EN 15874 | | | | |
| |  | SDR 6 [PN25] | | 125 | 20.8 | 83.4 |
| |  | | | 160 | 26.6 | 106.8 |
| | | DIN 8077 | | | | |
| | | SDR 6 [PN 25] | | 200 | 33.2 | 133.6 |
| | | EN 15874 | | | | |
| | | SDR 7.4 [PN 20] | | 16 | 2.2 | 10.6 |
| | | | | 20 | 2.8 | 13.2 |
| | | | | 25 | 3.5 | 16.6 |
| | | | | 32 | 4.4 | 21.2 |
| | | | | 40 | 5.5 | 26.6 |
| | | | | 50 | 6.9 | 33.4 |
| | | | | 63 | 8.6 | 42 |
| | | | | 75 | 10.3 | 50 |
| | | | | 90 | 12.3 | 60 |
| | | | | 110 | 15.1 | 73.4 |
| | | | | 125 | 17.1 | 83.4 |
| | | | | 160 | 21.9 | 106.8 |
| | | DIN 8077 | | | | |
| | | SDR 7.4 [PN20] | | 200 | 27.4 | 133.6 |
| | | | | 250 | 34.2 | 181.6 |
| | | DIN 8077 | | | | |
| | | SDR 7.4 [PN20] | | 200 | 22.4 | 155.2 |
| | | | | 250 | 27.9 | 194.2 |
| | | | | 315 | 35.2 | 244.6 |
| | | | | 355 | 39.7 | 275.6 |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|--|---------------------|-------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-R / PP-R FG / PP-R) | | | GREEN | WHITE | GRAY | |
| | | EN 15874 | | | | |
| |  | | | | | |
| |  | | | | | |
| | | SDR 11 [PN 10] | | | | |
| | | | | 16 | 1.8 | 12.4 |
| | | | | 20 | 1.9 | 16.2 |
| | | | | 25 | 2.3 | 20.4 |
| | | | | 32 | 2.9 | 26.2 |
| | | | | 40 | 3.7 | 32.6 |
| | | | | 50 | 4.6 | 40.8 |
| | | | | 63 | 5.8 | 51.4 |
| | | | | 75 | 6.8 | 61.4 |
| | | | | 90 | 8.2 | 73.6 |
| | | | | 110 | 10 | 90 |
| | | | | 125 | 11.4 | 102.2 |
| | | | | 160 | 14.6 | 126.8 |
| | | | | | | |
| | | DIN 8077 | | | | |
| | | SDR 11 [PN 12,5] | | | | |
| | | | | 200 | 18.2 | 163.6 |
| | | | | 250 | 22.7 | 204.6 |
| | | | | 315 | 28.6 | 257.8 |
| | | | | 355 | 32.2 | 290.6 |
| | | | | 400 | 36.3 | 327.4 |
| | | | | | | |
| | | DIN 8077 | | | | |
| | | SDR 17,6 [PN 6] | | | | |
| | | | | 200 | 11.4 | 177.2 |
| | | | | 250 | 14.2 | 221.2 |
| | | | | 315 | 17.9 | 279.2 |
| | | | | 355 | 20.1 | 314.8 |
| | | | | 400 | 22.7 | 354.6 |
| | | | | 500 | 28.4 | 443.2 |
| | | | | 630 | 35.7 | 558.6 |
| | | | | | | |
| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
| FLUIDTHERM PPR PIPE (PP-R/AL/PP-R) | | | GREEN | WHITE | GRAY | |
| | | EN 15874 | | | | |
| |  | | | | | |
| |  | | | | | |
| | | SDR 6 PN [20] | | | | |
| | | | | 20 | 2.8 | 14.4 |
| | | | | 25 | 4.2 | 16.6 |
| | | | | 32 | 5.4 | 21.2 |
| | | | | 40 | 6.7 | 26.6 |
| | | | | 50 | 8.3 | 33.4 |
| | | | | 63 | 10.5 | 42 |
| | | | | | | |
| | | EN 15874 | | | | |
| | | SDR 7,4 [PN16] | | | | |
| | | | | 25 | 3.5 | 18 |
| | | | | 32 | 4.4 | 23.2 |
| | | | | 40 | 5.5 | 29 |
| | | | | 50 | 6.9 | 36.2 |
| | | | | 63 | 8.6 | 45.8 |
| | | | | | | |
| | | EN 15874 | | | | |
| | | SDR 11 [PN10] | | | | |
| | | | | 20 | 1.9 | 16.2 |
| | | | | 25 | 2.3 | 20.4 |
| | | | | 32 | 2.9 | 26.2 |
| | | | | 40 | 3.7 | 32.6 |
| | | | | 50 | 4.6 | 40.8 |
| | | | | 63 | 5.8 | 51.4 |
| | | | | | | |

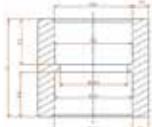
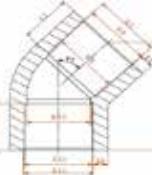
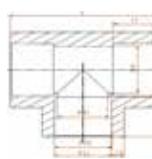
| ITEM DESCRIPTION | PICTURE | SDR | CODE | GREEN | WHITE | GRAY | OD, MM | S, MM | DINN, MM |
|---------------------------------------|---|-----|-----------------|-------|-------|------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP - RCT) | | | | | | | | | |
| EN 15874 | | | | | | | | | |
| |  | | | | | | 20 | 3.4 | 13.2 |
| |  | | | | | | 25 | 4.2 | 16.6 |
| | | | SDR 6 [PN 25] | | | | 32 | 5.4 | 21.2 |
| | | | | | | | 40 | 6.7 | 26.6 |
| | | | | | | | 50 | 8.3 | 33.4 |
| | | | | | | | 63 | 10.5 | 42 |
| | | | | | | | 75 | 12.5 | 50 |
| | | | | | | | 90 | 15 | 60 |
| | | | | | | | 110 | 18.3 | 73.4 |
| | | | | | | | 125 | 20.8 | 83.4 |
| | | | | | | | 160 | 26.6 | 106.8 |
| DIN 8077 | | | | | | | | | |
| SDR 6 [PN 25] | | | | | | | | | |
| EN 15874 | | | | | | | | | |
| | | | SDR 7,4 [PN 20] | | | | 200 | 33.2 | 133.6 |
| | | | | | | | 25 | 2.8 | 13.2 |
| | | | | | | | 32 | 3.5 | 16.6 |
| | | | | | | | 40 | 4.4 | 21.2 |
| | | | | | | | 50 | 5.5 | 26.6 |
| | | | | | | | 63 | 6.9 | 33.4 |
| | | | | | | | 75 | 8.6 | 42 |
| | | | | | | | 90 | 10.3 | 50 |
| | | | | | | | 110 | 12.3 | 60 |
| | | | | | | | 125 | 15.1 | 73.4 |
| | | | | | | | 160 | 21.9 | 106.8 |
| DIN 8077 | | | | | | | | | |
| SDR 7,4 [PN 20] | | | | | | | | | |
| EN 15874 | | | | | | | | | |
| | | | SDR 9 [PN 16] | | | | 200 | 27.4 | 133.6 |
| | | | | | | | 250 | 34.2 | 181.6 |
| DIN 8077 | | | | | | | | | |
| SDR 9 [PN 16] | | | | | | | | | |
| EN 15874 | | | | | | | | | |
| | | | SDR 9 [PN 16] | | | | 20 | 2.3 | 15.4 |
| | | | | | | | 25 | 2.8 | 19.4 |
| | | | | | | | 32 | 3.6 | 24.8 |
| | | | | | | | 40 | 4.4 | 31.2 |
| | | | | | | | 50 | 5.6 | 38.8 |
| | | | | | | | 63 | 7.1 | 48.8 |
| | | | | | | | 75 | 8.4 | 58.2 |
| | | | | | | | 90 | 10.1 | 69.8 |
| | | | | | | | 110 | 12.3 | 85.4 |
| | | | | | | | 125 | 14 | 97 |
| | | | | | | | 160 | 17.9 | 124.2 |
| DIN 8077 | | | | | | | | | |
| SDR 9 [PN 16] | | | | | | | | | |
| EN 15874 | | | | | | | | | |
| | | | SDR 9 [PN 16] | | | | 200 | 22.4 | 155.2 |
| | | | | | | | 250 | 27.9 | 194.2 |
| | | | | | | | 315 | 35.2 | 244.6 |
| | | | | | | | 355 | 39.7 | 275.6 |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|--------------------------------|---------|-----|------------------------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP - RCT) | | | GREEN WHITE GRAY | | | |
| | | | EN 15874 | | | |
| | | | | 20 | 1.9 | 16.2 |
| | | | | 25 | 2.3 | 20.4 |
| | | | | 32 | 2.9 | 26.2 |
| | | | | 40 | 3.7 | 32.6 |
| | | | | 50 | 4.6 | 40.8 |
| | | | | 63 | 5.8 | 51.4 |
| | | | | 75 | 6.8 | 61.4 |
| | | | | 90 | 8.2 | 73.6 |
| | | | | 110 | 10 | 90 |
| | | | | 125 | 11.4 | 102.2 |
| | | | | 160 | 14.6 | 126.8 |
| | | | | | | |
| | | | DIN 8077 | | | |
| | | | | 200 | 18.2 | 163.6 |
| | | | | 250 | 22.7 | 204.6 |
| | | | | 315 | 28.6 | 257.8 |
| | | | | 355 | 32.2 | 290.6 |
| | | | | 400 | 36.3 | 327.4 |
| | | | | | | |
| | | | DIN 8077 | | | |
| | | | | 200 | 11.4 | 163.6 |
| | | | | 250 | 14.2 | 204.6 |
| | | | | 315 | 17.9 | 257.8 |
| | | | | 355 | 20.1 | 290.6 |
| | | | | 400 | 22.7 | 327.4 |
| | | | | 500 | 28.4 | 443.2 |
| | | | | 630 | 35.7 | 558.6 |
| | | | | | | |

| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|---------|-----|------------------------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP - RCT / PP - RCT - FG / PP - RCT) | | | GREEN WHITE GRAY | | | |
| | | | EN 15874 | | | |
| | | | | 20 | 3.4 | 13.2 |
| | | | | 25 | 4.2 | 16.6 |
| | | | | 32 | 5.4 | 21.2 |
| | | | | 40 | 6.7 | 26.6 |
| | | | | 50 | 8.3 | 33.4 |
| | | | | 63 | 10.5 | 42 |
| | | | | 75 | 12.5 | 50 |
| | | | | 90 | 15 | 60 |
| | | | | 110 | 18.3 | 73.4 |
| | | | | 125 | 20.8 | 83.4 |
| | | | | 160 | 26.6 | 106.8 |
| | | | | | | |

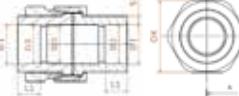
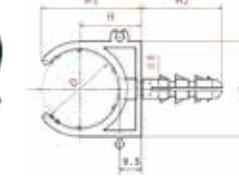
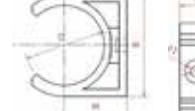
| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|---------|--------------------|-------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP-RCT / PP-RCT-FG / PP-RCT) | | | GREEN | WHITE | GRAY | |
| | | DIN 8077 | | | | |
| | | SDR 6 [PN 25] | | 200 | 33.2 | 133.6 |
| | | EN 15874 | | | | |
| | | SDR 7,4 [PN 20] | | 20 | 2.8 | 13.2 |
| | | | | 25 | 3.5 | 16.6 |
| | | | | 32 | 4.4 | 21.2 |
| | | | | 40 | 5.5 | 26.6 |
| | | | | 50 | 6.9 | 33.4 |
| | | | | 63 | 8.6 | 42 |
| | | | | 75 | 10.3 | 50 |
| | | | | 90 | 12.3 | 60 |
| | | | | 110 | 15.1 | 73.4 |
| | | | | 125 | 17.1 | 83.4 |
| | | | | 160 | 21.9 | 106.8 |
| | | DIN 8077 | | | | |
| | | SDR 7,4 [PN 20] | | 200 | 27.4 | 133.6 |
| | | EN 15874 | | | | |
| | | SDR 9 [PN 16] | | 20 | 2.3 | 15.4 |
| | | | | 25 | 2.8 | 19.4 |
| | | | | 32 | 3.6 | 24.8 |
| | | | | 40 | 4.4 | 31.2 |
| | | | | 50 | 5.6 | 38.8 |
| | | | | 63 | 7.1 | 48.8 |
| | | | | 75 | 8.4 | 58.2 |
| | | | | 90 | 10.1 | 69.8 |
| | | | | 110 | 12.3 | 85.4 |
| | | | | 125 | 14 | 97 |
| | | | | 160 | 17.9 | 124.2 |
| | | DIN 8077 | | | | |
| | | SDR 9 [PN 16] | | 200 | 22.4 | 155.2 |
| | | | | 250 | 27.9 | 194.2 |
| | | | | 315 | 35.2 | 244.6 |
| | | | | 355 | 39.7 | 275.6 |

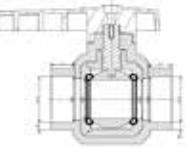
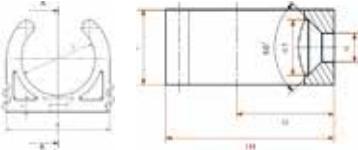
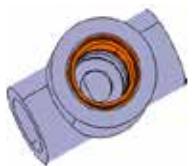
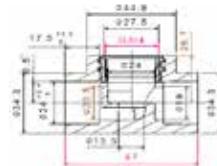
| ITEM DESCRIPTION | PICTURE | SDR | CODE | OD, MM | S, MM | DINN, MM |
|---|---|---------------------|-------|--------|-------|----------|
| FLUIDTHERM PPR PIPE (PP - RCT / PP - RCT - FG / PP - RCT) | | | GREEN | WHITE | GRAY | |
| EN 15874 | | | | | | |
| |  | | | | | |
| | | SDR 11 [PN 10] | | 20 | 1.9 | 16.2 |
| | | | | 25 | 2.3 | 20.4 |
| | | | | 32 | 2.9 | 26.2 |
| | | | | 40 | 3.7 | 32.6 |
| | | | | 50 | 4.6 | 40.8 |
| | | | | 63 | 5.8 | 51.4 |
| | | | | 75 | 6.8 | 61.4 |
| | | | | 90 | 8.2 | 73.6 |
| | | | | 110 | 10 | 90 |
| | | | | 125 | 11.4 | 102.2 |
| | | | | 160 | 14.6 | 126.8 |
| DIN 8077 | | | | | | |
| | | SDR 11 [PN 12,5] | | 200 | 18.2 | 163.6 |
| | | | | 250 | 22.7 | 204.6 |
| | | | | 315 | 28.6 | 257.8 |
| | | | | 355 | 32.2 | 290.6 |
| | | | | 400 | 36.3 | 327.4 |
| DIN 8077 | | | | | | |
| | | SDR 17,6 [PN 8] | | 200 | 11.4 | 163.6 |
| | | | | 250 | 14.2 | 204.6 |
| | | | | 315 | 17.9 | 257.8 |
| | | | | 355 | 20.1 | 290.6 |
| | | | | 400 | 22.7 | 327.4 |
| | | | | 500 | 28.4 | 443.2 |
| | | | | 630 | 35.7 | 558.6 |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | e | D ₁ | D ₂ | D ₃ - D ₃₃ | L ₁ | L ₂ | Weight | |
|-------------------|---|----------|----------|----------|--------|------|---------------------------------|----------------------------------|----------------------------------|----------------------|---------------------------------|--------|--------|
| PPR SOCKET |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001600 | 10011600 | 10021600 | 3/8" | 16 | 3.3 | 15.2 ^{+0.3} | 15.1 ^{+0.3} | 11.2 | 37 | 13.3 | |
| | | 10001601 | 10011601 | 10021601 | 1/2" | 20 | 4.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 36 | 14.5 | |
| | | 10001602 | 10011602 | 10021602 | 3/4" | 25 | 5.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 40 | 16 | |
| | | 10001603 | 10011603 | 10021603 | 1" | 32 | 6.5 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 41 | 18.1 | |
| | | 10001604 | 10011604 | 10021604 | 1 1/4" | 40 | 8.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 48 | 20.5 | |
| | | 10001605 | 10011605 | 10021605 | 1 1/2" | 50 | 10.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 56 | 23.5 | |
| | | 10001606 | 10011606 | 10021606 | 2" | 63 | 12.7 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 63 | 27.4 | |
| | | 10001607 | 10011607 | 10021607 | 2 1/2" | 75 | 15.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 67 | 31 | |
| | | 10001608 | 10011608 | 10021608 | 3" | 90 | 18.1 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 75 | 35.5 | |
| | | 10001609 | 10011609 | 10021609 | 4" | 110 | 22.1 | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 87.6 | 88 | 41.5 | |
| | | | | | 4 1/2" | 125 | 25.1 | 124.6 ^{+0.4} | 123.0 ^{+0.2} | 99.7 | 100 | 46.5 | |
| | | | | | | | | | | | | 0.880 | |
| ELBOW 45° |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001000 | 10011000 | 10021000 | 1/2" | 20 | 4.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 35.2 | 14.5 | |
| | | 10001001 | 10011001 | 10021001 | 3/4" | 25 | 5.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 39.5 | 16 | |
| | | 10001002 | 10011002 | 10021002 | 1" | 32 | 6.5 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 46.5 | 18.1 | |
| | | 10001003 | 10011003 | 10021003 | 1 1/4" | 40 | 8.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 54 | 20.5 | |
| | | 10001004 | 10011004 | 10021004 | 1 1/2" | 50 | 10.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 62.4 | 23.5 | |
| | | 10001005 | 10011005 | 10021005 | 2" | 63 | 12.7 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 71.4 | 27.4 | |
| | | 10001006 | 10011006 | 10021006 | 2 1/2" | 75 | 15.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 81.4 | 30 | |
| | | 10001007 | 10011007 | 10021007 | 3" | 90 | 18.1 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 92.5 | 33 | |
| | | | | | 4 1/2" | 125 | 25.0 | 123.9 ^{+1.2} | 124.6 ^{+0.4} | 99.7 | 127 | 40 | |
| | | | | | | | | | | | | 1.386 | |
| TEE |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001900 | 10011900 | 10021900 | 1/2" | 20 | 4.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 54 | 14.5 | |
| | | 10001901 | 10011901 | 10021901 | 3/4" | 25 | 5.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 62 | 16 | |
| | | 10001902 | 10011902 | 10021902 | 1" | 32 | 6.5 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 75 | 18.1 | |
| | | 10001903 | 10011903 | 10021903 | 1 1/4" | 40 | 8.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 86 | 20.5 | |
| | | 10001904 | 10011904 | 10021904 | 1 1/2" | 50 | 10.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 100 | 23.5 | |
| | | 10001905 | 10011905 | 10021905 | 2" | 63 | 12.7 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 126 | 27.4 | |
| | | 10001906 | 10011906 | 10021906 | 2 1/2" | 75 | 15.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 138 | 31 | |
| | | 10001907 | 10011907 | 10021907 | 3" | 90 | 18.1 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 162 | 35.5 | |
| | | 10001908 | 10011908 | 10021908 | 4" | 110 | 22.1 | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 87.6 | 196 | 41.5 | |
| | | | | | 4 1/2" | 125 | 25.0 | 123.9 ^{+1.2} | 123.5 ^{+1.2} | 99.7 | 208 | 46.5 | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | S | S ₁ - S ₂ | D ₁ - D ₁₁ | D ₂ - D ₂₂ | L | L ₁ - L ₂ | H | Weight |
| BRIDGE (MOULDING) |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| |  | 10003050 | 10013050 | 10023050 | 1/2" | 20 | 3.4 ^{+0.5} | 4.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 158 | 14.5 | 24 |
| | | 10003051 | 10013051 | 10023051 | 3/4" | 25 | 4.2 ^{+0.6} | 5.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 199 | 16 | 33 |
| | | 10003052 | 10013052 | 10023052 | 1" | 32 | 5.4 ^{+0.7} | 6.5 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 250 | 18.1 | 40 |
| | | | | | | | | | | | | | 0.112 |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | S ₁ | S ₂ | D ₁ | D ₂ | D ₃ | D ₁₁ | D ₂₂ | D ₃₃ | L | L ₁ | L ₂ | Weight | | | |
|------------------|---------|-------|-------|------|----------|----------|----------------|--------------------------|----------------|----------------|----------------|-----------------------|-----------------------|-----------------|----------------------|----------------------|----------------|--------|------|-------|-------|
| TEE REDUCED | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| | | | | | 10002000 | 10012000 | 10022000 | 1/2" x 1/2" x 3/4" | 20 x 20 x 25 | 4.1 | 5.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 63 | 14.5 | 0.027 | |
| | | | | | 10002005 | 10012005 | 10022005 | 3/4" x 3/4" x 1/2" | 25 x 25 x 20 | 5.1 | 4.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 63 | 16 | 14.5 | 0.040 |
| | | | | | 10002010 | 10012010 | 10022010 | 1" x 1" x 1/2" | 32 x 32 x 20 | 6.5 | 4.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 74 | 18.1 | 14.5 | 0.048 |
| | | | | | 10002011 | 10012011 | 10022011 | 1" x 1" x 3/4" | 32 x 32 x 25 | 6.5 | 5.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 74 | 18.1 | 16 | 0.056 |
| | | | | | 10002020 | 10012020 | 10022020 | 1 1/4" x 1 1/4" x 1/2" | 40 x 40 x 20 | 8.1 | 4.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 87 | 20.5 | 14.5 | 0.077 |
| | | | | | 10002021 | 10012021 | 10022021 | 1 1/4" x 1 1/4" x 3/4" | 40 x 40 x 25 | 8.1 | 5.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 87 | 20.5 | 16 | 0.086 |
| | | | | | 10002022 | 10012022 | 10022022 | 1 1/4" x 1 1/4" x 1" | 40 x 40 x 32 | 8.1 | 6.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 76 | 20.5 | 18.1 | 0.097 |
| | | | | | 10002030 | 10012030 | 10022030 | 1 1/4" x 1 1/2" x 1/2" | 50 x 50 x 20 | 10.1 | 4.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 70 | 23.5 | 14.5 | |
| | | | | | 10002031 | 10012031 | 10022031 | 1 1/4" x 1 1/2" x 3/4" | 50 x 50 x 25 | 10.1 | 5.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 74 | 23.5 | 16 | 0.119 |
| | | | | | 10002032 | 10012032 | 10022032 | 1 1/2" x 1 1/2" x 1" | 50 x 50 x 32 | 10.1 | 6.5 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 82 | 23.5 | 18.1 | 0.134 |
| | | | | | 10002033 | 10012033 | 10022033 | 1 1/2" x 1 1/2" x 1 1/4" | 50 x 50 x 40 | 10.1 | 8.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 90 | 23.5 | 20.5 | 0.153 |
| | | | | | 10002040 | 10012040 | 10022040 | 2" x 2" x 1/2" | 63 x 63 x 20 | 12.7 | 4.1 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 78 | 27.4 | 14.5 | |
| | | | | | 10002041 | 10012041 | 10022041 | 2" x 2" x 3/4" | 63 x 63 x 25 | 12.7 | 5.1 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 84 | 27.4 | 16 | 0.208 |
| | | | | | 10002042 | 10012042 | 10022042 | 2" x 2" x 1" | 63 x 63 x 32 | 12.7 | 6.5 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 90 | 27.4 | 18.1 | 0.225 |
| | | | | | 10002043 | 10012043 | 10022043 | 2" x 2" x 1 1/4" | 63 x 63 x 40 | 12.7 | 8.1 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 98 | 27.4 | 20.5 | 0.249 |
| | | | | | 10002044 | 10012044 | 10022044 | 2" x 2 1/2" x 1/2" | 63 x 63 x 50 | 12.7 | 10.1 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 108 | 27.4 | 23.5 | 0.288 |
| | | | | | | | | 2 1/2" x 2 1/2" x 1/2" | 75 x 75 x 20 | 15.1 | 4.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 86 | 31 | 14.5 | |
| | | | | | 10002330 | | | 2 1/2" x 2 1/2" x 3/4" | 75 x 75 x 25 | 15.1 | 5.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 90 | 31 | 16 | 0.320 |
| | | | | | 10002050 | 10012050 | 10022050 | 2 1/2" x 2 1/2" x 1" | 75 x 75 x 32 | 15.1 | 6.5 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 96 | 31 | 18.1 | 0.342 |
| | | | | | 10002051 | 10012051 | 10022051 | 2 1/2" x 2 1/2" x 1 1/4" | 75 x 75 x 40 | 15.1 | 8.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 104 | 31 | 20.5 | 0.374 |
| | | | | | 10002052 | | | 2 1/2" x 2 1/2" x 1 1/2" | 75 x 75 x 50 | 15.1 | 10.1 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 112 | 31 | 23.5 | 0.412 |
| | | | | | 10002053 | 10012053 | 10022053 | 2 1/2" x 2 1/2" x 2" | 75 x 75 x 63 | 15.1 | 12.7 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 125 | 31 | 27.4 | 0.478 |
| | | | | | | | | 3" x 3" x 1" | 90 x 90 x 32 | 18.1 | 6.5 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 104 | 35.5 | 18.1 | 0.534 |
| | | | | | 10002070 | 10012070 | 10022070 | 3" x 3" x 1 1/4" | 90 x 90 x 40 | 18.1 | 8.1 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 110 | 35.5 | 20.5 | 0.566 |
| | | | | | 10012071 | 10022071 | | 3" x 3" x 1 1/2" | 90 x 90 x 50 | 18.1 | 10.1 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 120 | 35.5 | 23.5 | 0.626 |
| | | | | | 10002072 | | | 3" x 3" x 2" | 90 x 90 x 63 | 18.1 | 12.7 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 132 | 35.5 | 27.4 | 0.656 |
| | | | | | 10012073 | | | 3" x 3" x 2 1/2" | 90 x 90 x 75 | 18.1 | 15.1 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 144 | 35.5 | 31 | 0.792 |
| | | | | | 10002080 | 10012080 | 10022080 | 4" x 4" x 1 1/2" | 110 x 110 x 50 | 22.1 | 10.1 | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 87.6 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 150 | 41.5 | 23.5 | |
| | | | | | 10002081 | 10012081 | 10022081 | 4" x 4" x 2" | 110 x 110 x 63 | 22.1 | 12.7 | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 87.6 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 132 | 35.5 | 27.4 | |
| | | | | | 10002082 | | | 4" x 4" x 2 1/2" | 110 x 110 x 75 | 22.1 | 15.1 | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 87.6 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 155 | 41.5 | 31 | 1.623 |
| | | | | | 10002083 | | | 4" x 4" x 3" | 110 x 110 x 90 | 22.1 | 18.1 | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 87.6 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 165 | 41.5 | 35.5 | 1.762 |
| | | | | | | | | 4 1/2" x 4 1/2" x 2 1/2" | 125 x 125 x 75 | 25.1 | 15.1 | 123.9 ^{+1.2} | 123.5 ^{+1.2} | 99.7 | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 59.4 | 160 | 46.5 | 31 | |
| | | | | | | | | 4 1/2" x 4 1/2" x 3" | 125 x 125 x 90 | 25.1 | 18.1 | 123.9 ^{+1.2} | 123.5 ^{+1.2} | 99.7 | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 71.6 | 172 | 46.5 | 35.5 | |

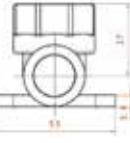
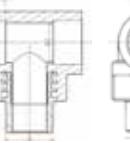
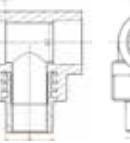
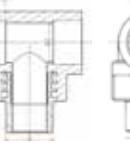
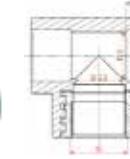
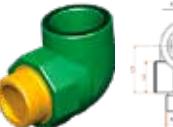
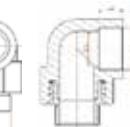
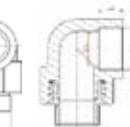
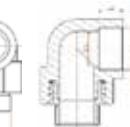
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|-------------------|---------|----------|----------|----------|----------------|----------------|------|----------------------|----------------------|----------------|----------------|--------|----|----|-------|
| MOUNTING GROUP UN | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| | | 10003500 | 10013500 | 10023500 | 1/2" | 20 | 4.1 | 19.0 ^{+0.3} | 19.2 ^{+0.3} | 135 | 225 | 14.5 | 46 | 34 | 0.227 |

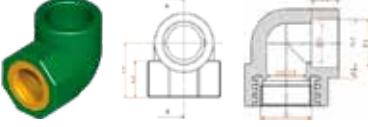
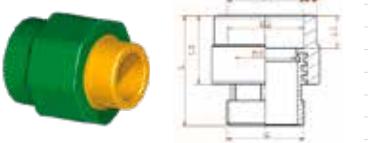
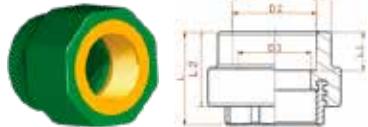
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|------------------|---|----------|----------|----------|-------|--------------------|---------------------|----------------------|----------------------|----------------|----------------|------|----------------|----------------|--------|
| REGULATOR |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [kg] | | | | | |
| |  | 10003100 | 10013100 | 10023100 | ½" | 20 ^{+0.3} | 3.4 ^{+0.5} | 200 | 340 | | | | | | |
| | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | S ₁ | D ₁ | D ₂ | D ₃ | L ₁ | OK | Weight | | |
| PPR NUT |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | |
| |  | | | | ½" | 20 | 3.4 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | 36 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | ¾" | 25 | 4.2 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 46 | | | |
| | | | | | 1" | 32 | 6.5 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25.0 | 18.1 | 56 | | | |
| | | | | | 1¼" | 40 | 8.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 20.5 | 70 | | | |
| | | | | | 1½" | 50 | 10.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 23.5 | 85 | | | |
| | | | | | 2" | 63 | 12.7 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 27.4 | 105 | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | B | D ₁ | d | d ₁ | L | H | H ₁ | H ₂ | Weight |
| CLAMP WITH SCREW |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| |  | 10003400 | 10013400 | 10023400 | ½" | 20 | 26.4 | 20.0 ^{+0.1} | 5.4 | 8.9 | 12 | 18 | 30 | 28 | |
| | | | | | | | | | | | | | | | |
| | | 10003401 | 10013401 | 10023401 | ¾" | 25 | 32.8 | 25.0 ^{+0.1} | 5.4 | 8.9 | 13 | 22 | 35 | 34 | |
| | | | | | | | | | | | | | | | |
| | | 10003402 | 10013402 | 10023402 | 1" | 32 | 40.5 | 32.0 ^{+0.2} | 5.4 | 8.9 | 13.8 | 26 | 42 | 34.5 | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | H | D ₁ | B | d | d ₁ | L | [mm] | [kg] | |
| PIPE CLAMP |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10002900 | 10012900 | 10022900 | ½" | 20 | 19 | 20.0 ^{+0.1} | 28 | 5.5 | 10 | 13.5 | 0.005 | | |
| | | | | | | | | | | | | | | | |
| | | 10002901 | 10012901 | 10022901 | ¾" | 25 | 22 | 25.0 ^{+0.1} | 35 | 5.5 | 10 | 13.5 | 0.007 | | |
| | | | | | | | | | | | | | | | |
| | | 10002802 | 10012802 | 10022802 | 1" | 32 | 25 | 32.0 ^{+0.2} | 41 | 5.5 | 10 | 14.2 | 0.009 | | |
| | | | | | | | | | | | | | | | |
| | | 10002803 | 10012803 | 10022803 | 1¼" | 40 | 30 | 40.0 ^{+0.2} | 50 | 5.5 | 10 | 15.2 | 0.017 | | |

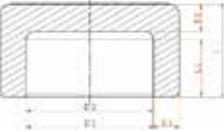
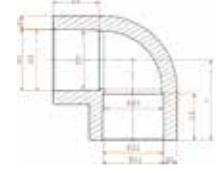
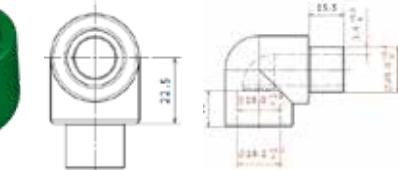
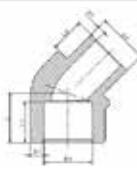
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | E | D ₁ | D ₂ | D ₃ | L | Weight | | | | | | |
|------------------|---|----------|----------|----------|--------|------|----------------|----------------------|----------------------|----------------------|----------------|----------------|----------------|--------|----------------|----------------|----------------------|------|
| | BALL VALVE | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | | | | |
| |  | 10003700 | 10013700 | 10023700 | 1/2" | 20 | 3.4 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.5 | 15.7 | 0.074 | | | | | | |
| |  | 10003701 | 10013701 | 10023701 | 3/4" | 25 | 4.2 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 23 | 17 | 0.097 | | | | | | |
| | | 10003702 | 10013702 | 10023702 | 1" | 32 | 6.5 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 24.5 | 18.7 | 0.146 | | | | | | |
| | | 10003703 | 10013703 | 10023703 | 1 1/4" | 40 | 8.1 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 34 | 20.5 | | | | | | | |
| | | 10003704 | 10013704 | 10023704 | 1 1/2" | 50 | 10.1 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 41 | 23.5 | | | | | | | |
| | | 10003705 | 10013705 | 10023705 | 2" | 63 | 12.7 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 57 | 27.4 | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | S | L | L ₁ | L ₂ | L ₃ | d ₁ | d ₂ | d ₃ | Weight | | | | | |
| | MASK FOR ELBOW WITH FIX.BRACK | GREEN | WHITE | GRAY | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | | | |
| |  | 10001350 | | | 1.5 | 55 | 18 | 11 | 28 | 31 | 50 | 72 | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | e | L | B | D ₁ | d | d ₁ | H | H ₁ | Weight | | | | |
| | LOW CLAMP | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | | |
| |  | 10002850 | 10012850 | 10022850 | 1/2" | 20 | 3.5 | 13.2 | 27.5 | 20.0 ^{+0.1} | 5 | 9 | 15 | 24 | | | | |
| | | 10002851 | 10012851 | 10022851 | 3/4" | 25 | 4.5 | 13.7 | 35 | 25.0 ^{+0.1} | 5 | 9 | 18 | 30.7 | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | G | D ₁ | D ₂ | d | d ₁ | d ₂ | d ₃ | d ₄ | L | L ₁ | L ₂ | Weight | |
| | VALVE BODY | GREEN | WHITE | GRAY | [inc] | [mm] | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| |  | 10002350 | 10012350 | 10022350 | 1/2" | 20 | 1/2" | | | | | | | | | | | |
| |  | 10002351 | 10012351 | 10022351 | 3/4" | 25 | 3/4" | 34.3 | 44.8 | 24.0 ^{+0.4} | 20.5 | 19 | 13.5 | 27.5 | 67 | 26.7 | 17.3 ^{+2.5} | |
| | | 10002352 | 10012352 | 10022352 | 1" | 32 | 1" | | | | | | | | | | | |

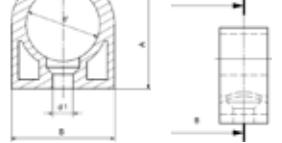
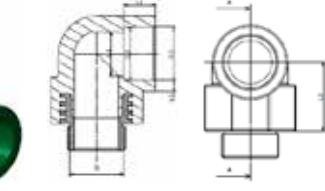
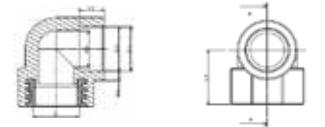
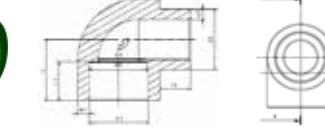
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|------------------|---------|----------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------|----------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------|----------------------|----------------------|
| 3/4" INSERT | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| | | 31 | 33.9 ^{+0.1} | 30.5 ^{+0.1} | 27.5 ^{+0.1} | 24.4 ^{+0.1} | 24.0 ^{+0.05} | 15.6 | 1.8 | 1.8 | 3 | 2.3 | 2.8 | 1.9 | 2 | 0.046 | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | DN | G | D ₁ | D ₂ | d | d ₁ | d ₂ | d ₃ | d ₄ | L | L ₁ | L ₂ | Weight | | |
| BALL VALVE | | GREEN | WHITE | GRAY | [inc] | [mm] | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| | | 10002350 | 10012350 | 10022350 | 1/2" | 20 | 1/2" | 27 | 37.5 | 20.0 ^{+0.25} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 60 | 14.5 ^{+2.5} | 14.5 ^{+2.5} |
| | | 10002351 | 10012351 | 10022351 | 3/4" | 25 | 3/4" | 34.3 | 44.8 | 24.0 ^{+0.4} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 67 | 16.0 ^{+2.5} | 16.0 ^{+2.5} |
| | | 10002352 | 10012352 | 10022352 | 1" | 32 | 1" | 43.5 | 52.7 | 32.0 ^{+0.35} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 98 | 18.1 ^{+2.5} | 18.1 ^{+2.5} |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

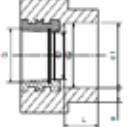
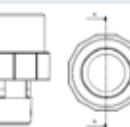
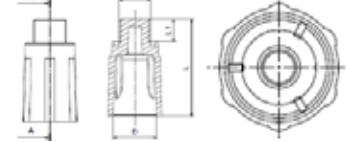
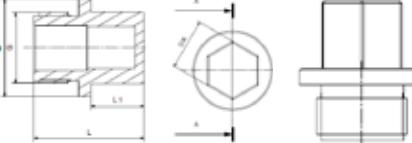
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | G | S ₁ | S ₂ | D ₁ | D ₁₁ | D ₂₂ | L | L ₁ | L ₂ | Weight |
|------------------|---|----------|----------|----------|------------|------------|----------------------|----------------|-----------------------|-----------------------|-----------------------|-------|----------------------|----------------|--------|
| REDUCER | | GREEN | WHITE | GRAY | [inc] | [mm] | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| |  | 10002200 | 10012200 | 10022200 | ¾" na ½" | 25 na 20 | 4.2 ^{+0.6} | 4.1 | 25.0 ^{+0.3} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 39 | 12.5 ^{+3.5} | 14.5 | 0.009 |
| | | 10002205 | 10012205 | 10022205 | 1" na ½" | 32 na 20 | 5.4 ^{+0.7} | 4.1 | 32.0 ^{+0.3} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 39 | 14.6 ^{+3.5} | 14.5 | 0.018 |
| | | 10002206 | 10012206 | 10022206 | 1" na ¾" | 32 na 25 | 5.4 ^{+0.7} | 5.1 | 31.1 ^{+0.4} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 45 | 14.6 ^{+3.5} | 16 | 0.015 |
| | | 10002210 | 10012210 | 10022210 | 1¼" na ½" | 40 na 20 | 6.7 ^{+0.8} | 4.1 | 20.0 ^{+0.25} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 38.15 | 17.0 ^{+3.5} | 14.5 | 0.050 |
| | | 10002211 | 10012211 | 10022211 | 1¼" na ¾" | 40 na 25 | 6.7 ^{+0.8} | 5.1 | 25.0 ^{+0.3} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 38.5 | 17.0 ^{+3.5} | 16 | 0.049 |
| | | 10002212 | 10012212 | 10022212 | 1¼" na 1" | 40 na 32 | 6.7 ^{+0.8} | 6.5 | 40.0 ^{+0.4} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 51 | 17.0 ^{+3.5} | 18.1 | 0.030 |
| | | 10002220 | 10012220 | 10022220 | 1½" na ½" | 50 na 20 | 8.3 ⁺¹ | 4.1 | 20.0 ^{+0.25} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 35.15 | 20.0 ^{+3.5} | 14.5 | |
| | | 10002221 | 10012221 | 10022221 | 1½" na ¾" | 50 na 25 | 8.3 ⁺¹ | 5.1 | 25.0 ^{+0.3} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 39.77 | 20.0 ^{+3.5} | 16 | 0.035 |
| | | 10002222 | 10012222 | 10022222 | 1½" na 1" | 50 na 32 | 8.3 ⁺¹ | 6.5 | 32.0 ^{+0.35} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 40.14 | 20.0 ^{+3.5} | 18.1 | 0.036 |
| | | 10002223 | 10012223 | 10022223 | 1½" na 1¼" | 50 na 40 | 8.3 ⁺¹ | 8.1 | 50.0 ^{+0.5} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 58 | 20.0 ^{+3.5} | 20.5 | 0.049 |
| | | 10002240 | 10012240 | 10022240 | 2" na ½" | 63 na 20 | 10.5 ^{+1.2} | 4.1 | 20.0 ^{+0.25} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 59 | 23.9 ^{+3.5} | 14.5 | |
| | | 10002241 | 10012241 | 10022241 | 2" na ¾" | 63 na 25 | 10.5 ^{+1.2} | 5.1 | 25.0 ^{+0.3} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 65 | 23.9 ^{+3.5} | 16 | 0.075 |
| | | 10002242 | 10012242 | 10022242 | 2" na 1" | 63 na 32 | 10.5 ^{+1.2} | 6.5 | 32.0 ^{+0.35} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 62 | 23.9 ^{+3.5} | 18.1 | 0.075 |
| | | 10002243 | 10012243 | 10022243 | 2" na 1¼" | 63 na 40 | 10.5 ^{+1.2} | 8.1 | 40.0 ^{+0.4} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 65 | 23.9 ^{+3.5} | 20.5 | 0.085 |
| | | 10002244 | 10012244 | 10022244 | 2" na 1½" | 63 na 50 | 10.5 ^{+1.2} | 10.1 | 63.0 ^{+0.6} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 69 | 23.9 ^{+3.5} | 23.5 | 0.090 |
| | | | | | 2½" na ½" | 75 na 20 | 12.5 ^{+1.4} | 4.1 | 20.0 ^{+0.25} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 45 | 27.5 ^{+3.5} | 14.5 | |
| | | | | | 2½" na ¾" | 75 na 25 | 12.5 ^{+1.4} | 5.1 | 25.0 ^{+0.3} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 49.15 | 27.5 ^{+3.5} | 16 | |
| | | | | | 2½" na 1" | 75 na 32 | 12.5 ^{+1.4} | 6.5 | 32.0 ^{+0.35} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 49 | 27.5 ^{+3.5} | 18.1 | |
| | | 10002260 | 10012260 | 10022260 | 2½" na 1¼" | 75 na 40 | 12.5 ^{+1.4} | 8.1 | 40.0 ^{+0.4} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 49.5 | 27.5 ^{+3.5} | 20.5 | 0.099 |
| | | 10002261 | 10012261 | 10022261 | 2½" na 1½" | 75 na 50 | 12.5 ^{+1.4} | 10.1 | 50.0 ^{+0.5} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 49.8 | 27.5 ^{+3.5} | 23.5 | 0.102 |
| | | 10002262 | 10012262 | 10022262 | 2½" na 2" | 75 na 63 | 12.5 ^{+1.4} | 12.7 | 75.0 ^{+0.7} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 66 | 27.5 ^{+3.5} | 27.4 | 0.168 |
| | | 10002280 | 10012280 | 10022280 | 3" na ½" | 90 na 50 | 15.0 ^{+1.6} | 10.1 | 50.0 ^{+0.5} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 54.1 | 32.0 ^{+3.5} | 23.5 | 0.190 |
| | | 10002281 | 10012281 | 10022281 | 3" na 2" | 90 na 63 | 15.0 ^{+1.6} | 12.7 | 63.0 ^{+1.2} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 55.1 | 32.0 ^{+3.5} | 27.4 | 0.174 |
| | | 10002282 | 10012282 | 10022282 | 3" na 2½" | 90 na 75 | 15.0 ^{+1.6} | 15.1 | 90.0 ^{+0.9} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 76 | 32.0 ^{+3.5} | 31 | 0.283 |
| | | 10002290 | 10012290 | 10022290 | 4" na ½" | 110 na 50 | 18.3 ⁺² | 10.1 | 50.0 ^{+0.5} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 89 | 38.0 ^{+3.5} | 23.5 | |
| | | 10002291 | 10012291 | 10022291 | 4" na 2" | 110 na 63 | 18.3 ⁺² | 12.7 | 63.0 ^{+1.2} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 85 | 38.0 ^{+3.5} | 27.4 | |
| | | 10002292 | 10012292 | 10022292 | 4" na 2½" | 110 na 75 | 18.3 ⁺² | 15.1 | 75.0 ^{+0.7} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 88 | 38.0 ^{+3.5} | 31 | 0.374 |
| | | 10002293 | 10012293 | 10022293 | 4" na 3" | 110 na 90 | 18.3 ⁺² | 18.1 | 110.0 ⁺¹ | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 88 | 38.0 ^{+3.5} | 35.5 | 0.404 |
| | | 1002320 | | | 4½" na 2½" | 125 na 75 | 15.0 ^{+1.6} | 15.1 | 75.0 ^{+0.7} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 65 | 46.5 | 31 | |
| | | 10002525 | | | 4½" na 3" | 125 na 90 | 18.3 ⁺² | 18.1 | 90.0 ^{+0.9} | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 70 | 46.5 | 35.5 | |
| | | | | | 4½" na 4" | 125 na 110 | 22.1 ^{+2.4} | 22.1 | 110.0 ⁺¹ | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 89 | 46.5 ^{+3.5} | 41.5 | |
| | | | | | 6" na 4" | 160 na 110 | | | | | | | | | |
| | | | | | 6" na 4½" | 160 na 125 | | | | | | | | | |
| | | | | | 7" na 4½" | 200 na 125 | | | | | | | | | |
| | | | | | 7" na 6" | 200 na 160 | | | | | | | | | |
| | | | | | 9" na 6" | 250 na 160 | | | | | | | | | |
| | | | | | 9" na 7" | 250 na 200 | | | | | | | | | |
| | | | | | 12" na 7" | 315 na 200 | | | | | | | | | |
| | | | | | 12" na 9" | 315 na 250 | | | | | | | | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | G | D | D ₁ | D ₂ | S ₁ | S ₂ | L ₁ | L ₂ | L ₃ | L ₄ | d ₁ | Weight |
|---|---|----------|----------|----------|-------------|-----------|----------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|
| ITEM DESCRIPTION | PICTURE | GREEN | WHITE | GRAY | [inc] | [mm] | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| ELBOW 90°-FEMALE THREADED WITH DOUBLE FIX |  | 10001200 | 10001200 | 10021200 | 1/2" x 1/2" | 20 x 20 | 1/2" | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 4.1 | 5.4 | 53 | 37 | 40 | 14.5 | 5.1 | 0.075 |
| |  | 10001201 | 10001201 | 10021201 | 1/2" x 3/4" | 20 x 25 | 3/4" | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 5.1 | 5.4 | 53 | 37 | 40 | 16 | 5.1 | 0.088 |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | e ₁ | G | L ₁ | L ₂ | L ₃ | L ₄ | Weight | | |
| TEE |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001950 | 10001950 | 10001950 | 1/2" | 20 Male | 19.2 | 19 | 15.2 | 4.1 | 1/2" | 14.5 | 26 | 35 | | | | |
| |  | 10001951 | 10001951 | 10001951 | 3/4" | 25 Male | 24.2 | 23.9 | 19.4 | 5.1 | 3/4" | 16 | 26 | 36 | | | | |
| |  | 10001952 | 10001952 | 10001952 | 1" | 32 Male | 31.1 | 30.9 | 25 | 6.5 | 1" | 18.1 | 27 | 43 | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | S ₁ | G | L ₁ | L ₂ | L ₃ | L ₄ | Weight | | |
| TEE - FEMALE THREADED |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001930 | 10001930 | 10001930 | 1/2" | 20 Female | 19 | 15.2 | 4.1 | 1/2" | 14.5 | 25 | 36 | 0.072 | | | | |
| |  | 10001931 | 10001931 | 10001931 | 3/4" | 25 Female | 23.9 | 19.4 | 5.1 | 3/4" | 16 | 26 | 36 | 0.150 | | | | |
| |  | 10001932 | 10001932 | 10001932 | 1" | 32 Female | 30.9 | 25 | 6.5 | 1" | 18.1 | 27 | 40 | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | e ₁ | G | L ₁ | L ₂ | L ₃ | L ₄ | Weight | | |
| ELBOW 90° - MALE THREADED |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001150 | 10001150 | 10001150 | 1/2" | 20 Male | 19.2 | 19 | 15.2 | 4.1 | 1/2" | 14.5 | 22 | 32 | 0.067 | | | |
| |  | 10001151 | 10001151 | 10001151 | 3/4" | 25 Male | 24.2 | 23.9 | 19.4 | 5.1 | 3/4" | 16 | 25 | 36 | 0.106 | | | |
| |  | 10001152 | 10001152 | 10001152 | 1" | 32 Male | 31.1 | 30.9 | 25 | 6.5 | 1" | 18.1 | 30 | 40 | 0.186 | | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | ND - OD | | D ₁ | D ₂ | e ₁ | G | L ₁ | L ₂ | L ₃ | Weight |
|-----------------------------|---|----------|----------|----------|---------|-----------|----------------|----------------|----------------|--------|----------------|----------------|----------------|--------|
| ELBOW 90° - FEMALE THREADED |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [mm] | [kg] |
| | | 10001100 | 10011100 | 10021100 | 1/2" | 20 Female | 19 | 15.2 | 4.1 | 1/2" | 14.5 | 22 | 32 | 0.056 |
| | | 10001101 | 10011101 | 10021101 | 3/4" | 25 Female | 23.9 | 19.4 | 5.1 | 3/4" | 16 | 25 | 36 | 0.077 |
| | | 10001102 | 10011102 | 10021102 | 1" | 32 Female | 30.9 | 25 | 6.5 | 1" | 18.1 | 30 | 40 | 0.198 |
| <hr/> | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₂ | D ₃ | e ₁ | G | L | L ₁ | L ₂ | Weight |
| SOCKET - MALE THREADED |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [mm] | [kg] |
| | | 10001651 | 10011651 | 10021651 | 1/2" | 20 Male | 19 | 15.6 | 5.1 | 1/2" | 57 | 14.5 | 34 | 0.062 |
| | | 10001652 | 10011652 | 10021652 | 3/4" | 25 Male | 23.9 | 19.4 | 5.1 | 3/4" | 61 | 16 | 36 | 0.100 |
| | | 10001653 | 10011653 | 10021653 | 1" | 32 Male | 30.9 | 25.0 | 5.4 | 1" | 73 | 18.1 | 43 | |
| | | 10001654 | 10011654 | 10021654 | 1 1/4" | 40 Male | 38.8 | 31.4 | 8.1 | 1 1/4" | 79 | 20.5 | 47 | |
| | | 10001655 | 10011655 | 10021655 | 1 1/2" | 50 Male | 48.7 | 39.4 | 10.1 | 1 1/2" | 87.5 | 23.5 | 52.5 | |
| | | 10001656 | 10011656 | 10021656 | 2" | 63 Male | 61.6 | 49.8 | 12.7 | 2" | 94 | 27.4 | 57 | |
| <hr/> | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₂ | D ₃ | e ₁ | G | L | L ₁ | L ₂ | Weight |
| SOCKET - FEMALE THREADED |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [mm] | [kg] |
| | | 10001651 | 10011651 | 10021651 | 1/2" | 20 Female | 19 | 15.6 | 5.1 | 1/2" | 57 | 14.5 | 34 | 0.051 |
| | | 10001652 | 10011652 | 10021652 | 3/4" | 25 Female | 23.9 | 19.4 | 5.1 | 3/4" | 61 | 16 | 36 | 0.064 |
| | | 10001653 | 10011653 | 10021653 | 1" | 32 Female | 30.9 | 25.0 | 5.4 | 1" | 73 | 18.1 | 43 | |
| | | 10001654 | 10011654 | 10021654 | 1 1/4" | 40 Female | 38.8 | 31.4 | 8.1 | 1 1/4" | 79 | 20.5 | 47 | |
| | | 10001655 | 10011655 | 10021655 | 1 1/2" | 50 Female | 48.7 | 39.4 | 10.1 | 1 1/2" | 87.5 | 23.5 | 52.5 | |
| | | 10001656 | 10011656 | 10021656 | 2" | 63 Female | 61.6 | 49.8 | 12.7 | 2" | 94 | 27.4 | 57 | |
| <hr/> | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D | L | e | H | | | | Weight |
| BRIDGE |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| | | 10003000 | 10013000 | 10023000 | 1/2" | 20 | 20 | 285 | 3.4 | 24 | | | | 0.049 |
| | | 10003001 | 10013001 | 10023001 | 3/4" | 25 | 25 | 280 | 4.2 | 33 | | | | 0.076 |
| | | 10003002 | 10013002 | 10023002 | 1" | 32 | 32 | 265 | 5.4 | 40 | | | | 0.125 |
| <hr/> | | | | | | | | | | | | | | |

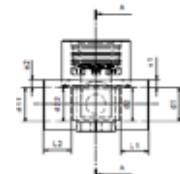
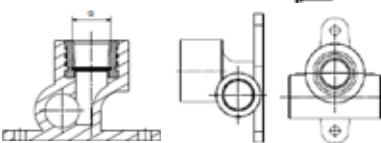
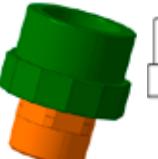
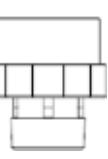
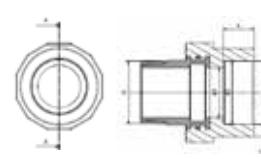
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | e ₁ | L | L ₁ | Weight | | | |
|------------------|---|----------|----------|----------|--------|------|----------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|
| | END CAP | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| |  | 10002400 | 10012400 | 10022400 | 1/2" | 20 | 19.2 | 19 | 4.1 | 19 | 14.5 | 0.006 | | | |
| |  | 10002401 | 10012401 | 10022401 | 3/4" | 25 | 24.2 | 23.9 | 5.1 | 23 | 16 | 0.011 | | | |
| | | 10002402 | 10012402 | 10022402 | 1" | 32 | 31.1 | 30.9 | 6.5 | 26 | 18.1 | 0.020 | | | |
| | | 10002403 | 10012403 | 10022403 | 1 1/4" | 40 | 39 | 38.8 | 8.1 | 35 | 20.5 | 0.048 | | | |
| | | 10002404 | 10012404 | 10022404 | 1 1/2" | 50 | 48.9 | 48.7 | 10.1 | 38 | 23.5 | 0.084 | | | |
| | | 10002405 | 10012405 | 10022405 | 2" | 63 | 61.9 | 61.6 | 12.7 | 41 | 27.4 | 0.151 | | | |
| | | 10002406 | 10012406 | 10022406 | 2 1/2" | 75 | 74.3 | 73.1 | 15.1 | 51 | 30 | 0.221 | | | |
| | | 10002407 | 10012407 | 10022407 | 3" | 90 | 89.3 | 87.9 | 18.1 | 58 | 33 | 0.364 | | | |
| | | 10002810 | | | 4 1/2" | 125 | 124.4 | 123.2 | 25.1 | 76 | 37 | 0.924 | | | |
| | | | | | 6" | 160 | 160 | 160.0 ^{+0.5} | 50 | 74 | 50 | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₂ | D ₃ | e ₁ | L ₁ | L | Weight | | | |
| | ELBOW 90° | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| |  | 10001020 | 10011020 | 10021020 | 1/2" | 20 | 19.2 | 15.2 | 4.1 | 14.5 | 26.5 | 0.014 | | | |
| |  | 10001021 | 10011021 | 10021021 | 3/4" | 25 | 24.2 | 19.4 | 5.1 | 16 | 31.5 | 0.022 | | | |
| | | 10001022 | 10011022 | 10021022 | 1" | 32 | 31.1 | 25 | 6.5 | 18.1 | 38 | 0.055 | | | |
| | | 10001023 | 10011023 | 10021023 | 1 1/4" | 40 | 39 | 31.4 | 8.1 | 20.5 | 46 | 0.106 | | | |
| | | 10001024 | 10011024 | 10021024 | 1 1/2" | 50 | 48.9 | 39.4 | 10.1 | 23.5 | 52 | 0.158 | | | |
| | | 10001025 | 10011025 | 10021025 | 2" | 63 | 61.6 | 49.8 | 12.7 | 27.4 | 62 | 0.321 | | | |
| | | 10001026 | 10011026 | 10021026 | 2 1/2" | 75 | 74.3 | 59.4 | 15.1 | 30 | 69 | 0.436 | | | |
| | | 10001027 | 10011027 | 10021027 | 3" | 90 | 89.3 | 71.6 | 18.1 | 33 | 81 | 0.730 | | | |
| | | 10001028 | 10011028 | 10021028 | 4" | 110 | 109.4 | 87.6 | 22.1 | 37 | 98 | 1.926 | | | |
| | | 10000209 | | | 4 1/2" | 125 | 122.6 | 99.7 | 25.1 | 40 | 103 | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | L ₁ | L ₂ | L ₃ | e ₁ | Weight | |
| | STREET 90° - (FEMALE/MALE) | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | |
| |  | 10001550 | 10011550 | 10021550 | 1/2" | 20 | 19 | 19.2 | 20 | 14.5 | 15.5 | 22.5 | 3.4 | 0.021 | |
| |  | 10001553 | | | 3/4" | 25 | 24.2 | 23.9 | 16.6 | 16 | 12.5 | 25.3 | 4.2 | | |
| | | 10001554 | | | 1" | 32 | 31.1 | 30.9 | 21.2 | 18.1 | 14.5 | 30.7 | 5.4 | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | e ₁ | e ₂ | L | L ₁ | L ₂ | Weight |
| | ELBOW 45° - (FEMALE/MALE) | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| |  | 10001570 | | | 1/2" | 20 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 3.9 | 3.4 | 26.5 | 14.5 | 14.5 | |
| |  | 10001572 | | | 3/4" | 25 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 4.8 | 4.2 | 31.5 | 16 | 16 | |
| | | 10001573 | | | 1" | 32 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25 | 6.1 | 5.4 | 38 | 18.1 | 18 | |

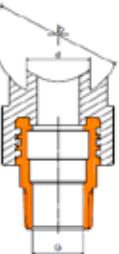
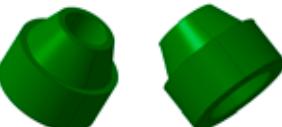
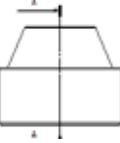
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | d | A | d ₁ | B | S | Weight | | | |
|--|---|----------|----------|----------|-------------|---------|----------------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|--------|
| CLAMP - SHORT |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| |  | | | | 1/2" | 20 | 20 | 26 | 5.5 | 28 | 13.1 | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | e | D ₁ | D ₂ | D ₃ | L ₁ | L ₃ | G | Weight | |
| TRANSITION ELBOW (W/MALE THREAD) 90° - MALE THREAD |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| |  | 10001500 | 10011500 | 10021500 | 1/2" x 3/4" | 20 x 25 | 4.8 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | 32 | 3/4" | | |
| | | 10001501 | 10011501 | 10021501 | 3/4" x 1/2" | 25 x 20 | 4.8 | 23.9 ^{+0.4} | 23.9 ^{+0.4} | 19.4 | 16 | 34 | 1/2" | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | e | D ₁ | D ₂ | D ₃ | L ₁ | L ₃ | G | Weight | |
| TRANSITION ELBOW (W/MALE THREAD) 90° - FEMALE THREAD |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| |  | 10001450 | 10011450 | 10021450 | 1/2" x 3/4" | 20 x 25 | 4.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | 32 | 3/4" | | |
| | | 10001451 | 10011451 | 10021451 | 3/4" x 1/2" | 25 x 20 | 5.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 34 | 1/2" | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | e ₁ | e ₂ | L | L ₁ | L ₂ | Weight |
| STREET 90° (FEMALE/MALE) |  | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10001400 | 10011400 | 10021400 | 1/2" x 3/4" | 20 x 25 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 4.8 | 3.4 | 25.5 | 16 | 11 | |

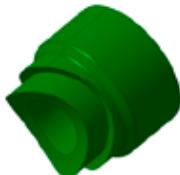
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | e | d ₁ | d ₂ | d ₃ | L | G | Weight | |
|--|---|----------|----------|-------------|----------|----------|----------------------|----------------------|----------------|----------------|----------------|--------|--------|--------|
| TRANSITION PIECE (ROUND FEMALE THREAD-HEX) | GREEN   | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [kg] | | |
| | | | | 1/2" | 20 | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | 1/2" | | | |
| | | | | 3/4" | 25 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 3/4" | | | |
| | | | | 1" | 32 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25 | 18.1 | 1" | | | |
| | | | | 1 1/4" | 40 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 20.5 | 1 1/4" | | | |
| | | | | 1 1/2" | 50 | 9.3 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 23.5 | 1 1/2" | | | |
| | | | | 2" | 63 | 10.5 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 27.5 | 2" | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | e | d ₁ | d ₂ | d ₃ | L | G | Weight | |
| TRANSITION PIECE (W/ROUND MALE THREAD-HEX) | GREEN   | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [kg] | | |
| | | | | 1/2" x 3/8" | 20 x 25 | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | 3/4" | | | |
| | | | | 3/4" x 1/2" | 25 x 20 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 1/2" | | | |
| | | | | 1" x 3/4" | 32 x 25 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25 | 18.1 | 3/4" | | | |
| | | | | 1 1/4" x 1" | 40 x 32 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 20.5 | 1" | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | | DN | | D | L | L ₁ | G | Weight | | |
| LONG PLUG FOR PRESSURE | GREEN   | WHITE | GRAY | RED | BLUE | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [kg] | | |
| | | 10013600 | 10043600 | 10033600 | 1/2" | 20 | 29 | 65 | 15 | 1/2" | 0.020 | | | |
| | | 10003601 | 10013601 | 10043601 | 10033601 | 3/4" | 25 | 33 | 65 | 15 | 3/4" | 0.024 | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | | | DN | | D | L | L ₁ | G | OK | Weight |
| SHORT PLUG FOR PRESSURE | GREEN   | WHITE | GRAY | CRVENA | PLAVA | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] | |
| | | 10002450 | 10012450 | 10022450 | 10042450 | 10032450 | 1/2" | 20 | 27.6 | 31 | 15 | 1/2" | 18 | |
| | | 10002451 | 10012451 | 10022451 | 10042451 | 10032451 | 3/4" | 25 | 33 | 25 | 8.5 | 3/4" | 22 | |

| ITEM DESCRIPTION | PICTURE | | | CODE UN | | DN | | e | d ₁ | d ₂ | L | Weight | | |
|---|----------|----------|----------|-------------|------|----------------------|----------------------|---------------------------------|----------------|----------------|----------------------------------|----------------|----------------|--------|
| PLASTIC - PLASTIC NUT CONNECTOR | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| | | | | 1/2" | 20 | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | | | | | |
| 40005427 | | | | 3/4" | 25 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | | | | | |
| 40006087 | | | | 1" | 32 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | | | | | |
| 40006220 | | | | 1 1/4" | 40 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | | | | | |
| 40006256 | | | | 1 1/2" | 50 | 9.3 | 48.9 ^{+0.5} | 48.7 ^{+0.4} | 23.5 | | | | | |
| 40006280 | | | | 2" | 63 | 10.5 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.4 | | | | | |
| CODE SN | | | | 1/2" | 20 | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | | | | | |
| 40005425 | | | | 3/4" | 25 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | | | | | |
| 40006478 | | | | 1" | 32 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | | | | | |
| 40006251 | | | | 1 1/4" | 40 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | | | | | |
| 40006257 | | | | 1 1/2" | 50 | 9.3 | 48.9 ^{+0.5} | 48.7 ^{+0.4} | 23.5 | | | | | |
| 40006255 | | | | 2" | 63 | 10.5 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.4 | | | | | |
| ITEM DESCRIPTION | PICTURE | | | ŠIFRA | | DN | | e ₁ - e ₂ | D ₁ | D ₂ | D ₃ - D ₃₃ | L ₁ | L ₂ | Weight |
| CROSS TEE | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [kg] |
| | 10002150 | 10012150 | 10022150 | 1/2" | 20 | 4.1 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | 25 | 0.023 | | |
| | 10002151 | 10012151 | 10022151 | 3/4" | 25 | 5.1 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 26 | 0.041 | | |
| ITEM DESCRIPTION | PICTURE | | | CODE | | DN | | d ₁ | d ₂ | d ₃ | e ₁ | G | L | Weight |
| BACK PLATE TRANSITION ELBOW (W/FEMALE THREAD) | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] |
| | 10001202 | 10011202 | 10021202 | 1/2" x 1/2" | 20 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 3.9 | 1/2" | 14.5 | 0.069 | | |
| | 10001206 | | | 3/4" x 3/4" | 25 | 24.2 ^{+0.3} | 23.9 ^{+0.3} | 19.4 | 4.8 | 3/4" | 16 | | | |

| ITEM DESCRIPTION | | PICTURE | | | CODE | | DN | | D ₁ | D ₂ | D ₃ | e ₁ | G | L | Weight |
|---|--|----------|----------|----------|-------------|---------|----------------------|----------------------|----------------------|----------------|----------------|----------------|-------|--------|--------|
| BACK PLATE TRANSITION ELBOW (MALE THREAD) | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] |
| | | 10001250 | 10011250 | 10021250 | 1/2" x 1/2" | 20 | 19.2 ^{+0.3} | 19.0 ^{+0.4} | 15.2 | 3.9 | 1/2" | 14.5 | 0.086 | | |
| | | 10001350 | 10011350 | 10021350 | | 72 | 50 | 18 | 11 | 55 | | | 0.015 | | |
| ITEM DESCRIPTION | | PICTURE | | | CODE | | D | d | c | B | A | | | Weight | |
| ELBOW MASK | | GREEN | WHITE | GRAY | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | | | [kg] | |
| | | 10001800 | 10011800 | 10021800 | 1/2" x 3/4" | 20 x 25 | 3.9 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 3/4" | | | |
| | | 10001801 | 10011801 | 10021801 | 3/4" x 1/2" | 25 x 20 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 1/2" | | | |
| | | 10001802 | | | 1" x 3/4" | 32 x 25 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25 | 18.1 | 3/4" | | | |
| | | | | | 1 1/4" x 1" | 40 x 32 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 20.5 | 1" | | | |
| ITEM DESCRIPTION | | PICTURE | | | CODE | | DN | e | D ₁ | D ₂ | D ₃ | L | G | Weight | |
| TRANSITION PIECE - MALE THREAD | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [kg] | |
| | | 10001850 | 10011850 | 10021850 | 1/2" x 3/4" | 20 x 25 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 3/4" | | | |
| | | 10001851 | 10011851 | 10021851 | 3/4" x 1/2" | 25 x 20 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | 1/2" | | | |
| | | 10001852 | | | 1" x 3/4" | 32 x 25 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25 | 18.1 | 3/4" | | | |
| | | | | | 1 1/4" x 1" | 40 x 32 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 20.5 | 1" | | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ - D ₃₃ | e ₁ - e ₂ | G | L ₁ | L ₂ | Weight |
|---------------------------------------|--|-------|-------|------|----------|---------|----------------------|----------------------|----------------------------------|---------------------------------|--------|----------------|----------------|--------|
| | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [inc] | [mm] | [kg] |
| BACK PLATE TRANSITION TEE |  | GREEN | WHITE | GRAY | ½" x ½" | 20 x 20 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 4.1 | ½" | 14.5 | 25 | 0.083 |
| |  | | | | ¾" x ¾" | 25 x 25 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 5.1 | ¾" | 16 | 26 | 0.108 |
| |  | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | L | L | Weight | | | |
| | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | | |
| REPAIR PLUG |  | GREEN | WHITE | GRAY | 10005002 | 1/2" | 20 | 7 | 11 | 70 | 40 | | | |
| |  | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | e | d ₁ | d ₂ | d ₃ | L | G | Weight | |
| | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [kg] | |
| TRANSITION PIECE (W/ HEX MALE THREAD) |  | GREEN | WHITE | GRAY | ½" | 20 | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 15.2 | 14.5 | ½" | | |
| |  | | | | ¾" | 25 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 19.4 | 16 | ¾" | | |
| |  | | | | 1" | 32 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 25 | 18.1 | 1" | | |
| | | | | | 1¼" | 40 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 31.4 | 20.5 | 1¼" | | |
| | | | | | 1½" | 50 | 9.3 | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 39.4 | 23.5 | 1½" | | |
| | | | | | 2" | 63 | 10.5 | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 49.8 | 27.5 | 2" | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | | DN | | d [mm] | D [mm] | G [inc] | Weight [kg] | | | | | |
|---|---|----------|----------|----------|----------------|-----------|------|----------------------|----------------------|-----------------------|----------------------|----------------------|-----------------|----------------|----------------|--------|
| | | GREEN | WHITE | GRAY | [inc] | [mm] | | | | | | | | | | |
| SADDLE TRANSITION PIECE (W/MALE THREAD) |   | | | | | | | | | | | | | | | |
| | | 10002550 | 10002550 | 10022550 | 1 1/4" na 1/2" | 40 na 20 | | | | 50.0 ^{+0.5} | 1/2" | | | | | |
| | | 10002551 | 10012551 | 10022551 | 1 1/4" na 3/4" | 40 na 25 | | | | 50.0 ^{+0.5} | 3/4" | | | | | |
| | | 10002552 | 10012552 | 10022552 | 2" na 1/2" | 63 na 20 | | | | 63.0 ^{+0.6} | 1/2" | | | | | |
| | | 10002553 | 10012553 | 10022553 | 2" na 3/4" | 63 na 25 | | | | 63.0 ^{+0.6} | 3/4" | | | | | |
| | | 10002554 | 10012554 | 10022554 | 2 1/2" na 1/2" | 75 na 20 | | | | 75.0 ^{+0.7} | 1/2" | | | | | |
| | | 10002555 | 10012555 | 10022555 | 2 1/2" na 3/4" | 75 na 25 | | | | 75.0 ^{+0.7} | 3/4" | | | | | |
| | | | | | 3" na 1/2" | 90 na 20 | 20 | 25 | | 90.0 ^{+0.9} | 1/2" | | | | | |
| | | | | | 3" na 3/4" | 90 na 25 | | | | 90.0 ^{+0.9} | 3/4" | | | | | |
| | | | | | 4 1/2" na 1/2" | 125 na 20 | | | | 125.0 ^{+1.2} | 1/2" | | | | | |
| | | | | | 4 1/2" na 3/4" | 125 na 25 | | | | 125.0 ^{+1.2} | 3/4" | | | | | |
| | | | | | 6" na 1/2" | 160 na 20 | | | | 160.0 ^{+1.5} | 1/2" | | | | | |
| | | | | | 6" na 3/4" | 160 na 25 | | | | 160.0 ^{+1.5} | 3/4" | | | | | |
| SADDLE TRANSITION PIECE (W/FEMALE THREAD) |   | | | | | | | | | | | | | | | |
| | | 10002550 | 10002550 | 10022550 | 1 1/4" na 1/2" | 40 na 20 | | | | 40.0 ^{+0.4} | 1/2" | | | | | |
| | | 10002551 | 10012551 | 10022551 | 1 1/4" na 3/4" | 40 na 25 | | | | 40.0 ^{+0.4} | 3/4" | | | | | |
| | | 10002552 | 10012552 | 10022552 | 1 1/2" na 1/2" | 50 na 20 | | | | 50.0 ^{+0.5} | 1/2" | | | | | |
| | | 10002553 | 10012553 | 10022553 | 1 1/2" na 3/4" | 50 na 25 | | | | 50.0 ^{+0.5} | 3/4" | | | | | |
| | | 10002554 | 10012554 | 10022554 | 2" na 1/2" | 63 na 20 | | | | 63.0 ^{+0.6} | 1/2" | | | | | |
| | | 10002555 | 10012555 | 10022555 | 2" na 3/4" | 63 na 25 | | | | 63.0 ^{+0.6} | 3/4" | | | | | |
| | | | | | 2 1/2" na 1/2" | 75 na 20 | | | | 75.0 ^{+0.7} | 1/2" | | | | | |
| | | | | | 2 1/2" na 3/4" | 75 na 25 | | | | 75.0 ^{+0.7} | 3/4" | | | | | |
| | | | | | 2 1/2" na 1" | 75 na 32 | | | | 75.0 ^{+0.7} | 1" | | | | | |
| | | | | | 3" na 1/2" | 90 na 20 | 20 | 25 | 32 | 90.0 ^{+0.9} | 1/2" | | | | | |
| | | | | | 3" na 3/4" | 90 na 25 | | | | 90.0 ^{+0.9} | 3/4" | | | | | |
| | | | | | 3" na 1" | 90 na 32 | | | | 90.0 ^{+0.9} | 1" | | | | | |
| | | | | | 4 1/2" na 1/2" | 125 na 20 | | | | 125.0 ^{+1.2} | 1/2" | | | | | |
| | | | | | 4 1/2" na 3/4" | 125 na 25 | | | | 125.0 ^{+1.2} | 3/4" | | | | | |
| | | | | | 4 1/2" na 1" | 125 na 32 | | | | 125.0 ^{+1.2} | 1" | | | | | |
| | | | | | 6" na 1/2" | 160 na 20 | | | | 160.0 ^{+1.5} | 1/2" | | | | | |
| | | | | | 6" na 3/4" | 160 na 25 | | | | 160.0 ^{+1.5} | 3/4" | | | | | |
| | | | | | 6" na 1" | 160 na 32 | | | | 160.0 ^{+1.5} | 1" | | | | | |
| REDUCER |   | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | GREEN | WHITE | GRAY | [inc] | [mm] | e ₁ | d ₁ | d ₂ | e ₂ | d ₁₁ | d ₂₂ | L ₁ | L ₂ | Weight |
| REDUCER | | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] |
| | | 10002300 | 10012300 | 10022300 | 3/4" na 1/2" | 25 na 20 | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 16 | 14.5 | | |
| | | 10002301 | 10012301 | 10022301 | 1" na 1/2" | 32 na 20 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 18.1 | 14.5 | | |
| | | 10002302 | 10012302 | 10022302 | 1" na 3/4" | 32 na 25 | 6.1 | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 18.1 | 16 | | |
| | | 10002303 | 10012303 | 10022303 | 1 1/4" na 1/2" | 40 na 20 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 3.9 | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 20.5 | 14.5 | | |
| | | 10002304 | 10012304 | 10022304 | 1 1/4" na 3/4" | 40 na 25 | 7.5 | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 4.8 | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 20.5 | 16 | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | D | d_1 | d_2 | L | e | Weight | |
|------------------|---|----------|----------|----------|------------------|------------|-----------------------|-----------------------|-----------------------|------|--------|-------|
| SADDLE | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| |  | 10002500 | 10012500 | 10022500 | 1/4" na 1/2" | 40 na 20 | 40.0 ^{+0.4} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | 0.012 |
| | | 10002501 | 10012501 | 10022501 | 1/4" na 3/8" | 40 na 25 | 40.0 ^{+0.4} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | 0.021 |
| | | 10002502 | 10012502 | 10022502 | 1/2" na 1/2" | 50 na 20 | 50.0 ^{+0.5} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | 0.013 |
| | | 10002503 | 10012503 | 10022503 | 1/2" na 3/4" | 50 na 25 | 50.0 ^{+0.5} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | 0.020 |
| | | 10002504 | 10012504 | 10022504 | 2" na 1/2" | 63 na 20 | 63.0 ^{+0.6} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | 0.014 |
| | | 10002505 | 10012505 | 10022505 | 2" na 3/4" | 63 na 25 | 63.0 ^{+0.6} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | 0.021 |
| | | 10002506 | 10012506 | 10022506 | 2" na 1" | 63 na 32 | 63.0 ^{+0.6} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | 6.1 | 0.022 |
| | | | | | 2 1/2" na 1/2" | 75 na 20 | 75.0 ^{+0.7} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | 0.012 |
| | | | | | 2 1/2" na 3/4" | 75 na 25 | 75.0 ^{+0.7} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | 0.014 |
| | | 10002509 | | | 2 1/2" na 1" | 75 na 32 | 75.0 ^{+0.7} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | 6.1 | 0.022 |
| | | 10002510 | | | 2 1/2" na 1 1/4" | 75 na 40 | 75.0 ^{+0.7} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | 7.5 | 0.041 |
| | | | | | 3" na 1/2" | 90 na 20 | 90.0 ^{+0.9} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | 0.013 |
| | | | | | 3" na 3/4" | 90 na 25 | 90.0 ^{+0.9} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | 0.015 |
| | | 10002513 | | | 3" na 1" | 90 na 32 | 90.0 ^{+0.9} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | 6.1 | 0.023 |
| | | 10002514 | | | 3" na 1 1/4" | 90 na 40 | 90.0 ^{+0.9} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | 7.5 | 0.041 |
| | | 10002515 | | | 4 1/2" na 1/2" | 125 na 20 | 125.0 ^{+1.2} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | 0.014 |
| | | 10002516 | | | 4 1/2" na 3/4" | 125 na 25 | 125.0 ^{+1.2} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | 0.015 |
| | | 10002517 | | | 4 1/2" na 1" | 125 na 32 | 125.0 ^{+1.2} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | 6.1 | 0.024 |
| | | 10002518 | | | 4 1/2" na 1 1/4" | 125 na 40 | 125.0 ^{+1.2} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | 7.5 | 0.043 |
| | | 10002519 | | | 4 1/2" na 1 1/2" | 125 na 50 | 125.0 ^{+1.2} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 23.5 | 9.3 | 0.081 |
| | | 10002520 | | | 4 1/2" na 2" | 125 na 63 | 125.0 ^{+1.2} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.5 | 10.5 | 0.152 |
| | | | | | 6" na 1/2" | 160 na 20 | 160.0 ^{+1.5} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | |
| | | | | | 6" na 3/4" | 160 na 25 | 160.0 ^{+1.5} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | |
| | | | | | 6" na 1" | 160 na 32 | 160.0 ^{+1.5} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | 6.1 | |
| | | | | | 6" na 1 1/4" | 160 na 40 | 160.0 ^{+1.5} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | 7.5 | |
| | | | | | 6" na 1 1/2" | 160 na 50 | 160.0 ^{+1.5} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 23.5 | 9.3 | |
| | | | | | 6" na 2" | 160 na 63 | 160.0 ^{+1.5} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.5 | 10.5 | |
| | | | | | 6" na 2 1/2" | 160 na 75 | 160.0 ^{+1.5} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 30 | 12.5 | |
| | | | | | 6" na 3" | 160 na 90 | 160.0 ^{+1.5} | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 33 | 15 | |
| | | | | | 6" na 4" | 160 na 110 | 160.0 ^{+1.5} | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 37.3 | 18.38 | |
| | | | | | 7" na 1/2" | 200 na 20 | 200.0 ^{+2.0} | 19.2 ^{+0.3} | 19.0 ^{+0.3} | 14.5 | 3.9 | |
| | | | | | 7" na 3/4" | 200 na 25 | 200.0 ^{+2.0} | 24.2 ^{+0.3} | 23.9 ^{+0.4} | 16 | 4.8 | |
| | | | | | 7" na 1" | 200 na 32 | 200.0 ^{+2.0} | 31.1 ^{+0.4} | 30.9 ^{+0.4} | 18.1 | 6.1 | |
| | | | | | 7" na 1 1/4" | 200 na 40 | 200.0 ^{+2.0} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | 7.5 | |
| | | | | | 7" na 1 1/2" | 200 na 50 | 200.0 ^{+2.0} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 23.5 | 9.3 | |
| | | | | | 7" na 2" | 200 na 63 | 200.0 ^{+2.0} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.5 | 10.5 | |
| | | | | | 7" na 2 1/2" | 200 na 75 | 200.0 ^{+2.0} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 30 | 12.5 | |
| | | | | | 7" na 3" | 200 na 90 | 200.0 ^{+2.0} | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 33 | 15 | |
| | | | | | 7" to 4 1/2" | 200 na 125 | 200.0 ^{+2.0} | 124.4 ^{+0.6} | 122.6 ^{+0.6} | 40 | 20.8 | |
| | | | | | 9" na 1 1/4" | 250 na 40 | 250.0 ^{+2.5} | 39.0 ^{+0.4} | 38.8 ^{+0.4} | 20.5 | 7.5 | |
| | | | | | 9" na 1 1/2" | 250 na 50 | 250.0 ^{+2.5} | 48.9 ^{+0.5} | 48.7 ^{+0.5} | 23.5 | 9.3 | |
| | | | | | 9" na 2" | 250 na 63 | 250.0 ^{+2.5} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.5 | 10.5 | |
| | | | | | 9" na 2 1/2" | 250 na 75 | 250.0 ^{+2.5} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 30 | 12.5 | |
| | | | | | 9" na 3" | 250 na 90 | 250.0 ^{+2.5} | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 33 | 15 | |
| | | | | | 9" to 4" | 250 na 110 | 250.0 ^{+2.5} | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 37.3 | 18.38 | |
| | | | | | 9" to 4 1/2" | 250 na 125 | 250.0 ^{+2.5} | 124.4 ^{+0.6} | 122.6 ^{+0.6} | 40 | 20.8 | |
| | | | | | 12" na 2" | 315 na 63 | 315.0 ^{+2.5} | 61.9 ^{+0.6} | 61.6 ^{+0.5} | 27.5 | 10.5 | |
| | | | | | 12" na 2 1/2" | 315 na 75 | 315.0 ^{+2.5} | 74.3 ^{+0.6} | 73.1 ^{+0.6} | 30 | 12.5 | |
| | | | | | 12" na 3" | 315 na 90 | 315.0 ^{+2.5} | 89.3 ^{+0.6} | 87.9 ^{+0.6} | 33 | 15 | |
| | | | | | 12" to 4" | 315 na 110 | 315.0 ^{+2.5} | 109.4 ^{+0.6} | 107.7 ^{+0.6} | 37.3 | 18.38 | |
| | | | | | 12" to 4 1/2" | 315 na 125 | 315.0 ^{+2.5} | 124.4 ^{+0.6} | 122.6 ^{+0.6} | 40 | 20.8 | |
| | | | | | 12" to 6" | 315 na 160 | 315.0 ^{+2.5} | | | | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | $d_1 - d_{11}$ | $d_2 - d_{22}$ | d_s | d_{33} | $e_1 - e_2$ | G | L_1 | L_2 | Weight |
|---|-----------|----------------------------------|----------------------------------|----------------------------------|--|--|----------------------|--------------------|-------------------|--|--------------------|------------------------------------|----------------------|-------------------------|--------|
| TRANSITION TEE - MALE THREAD | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [inc] | [kg] | |
| | | 10002100 10002101 | 10002100 10002101 | 10002100 10002101 | $\frac{1}{2}'' \times \frac{1}{2}'' \times \frac{1}{4}''$ $\frac{3}{4}'' \times \frac{3}{4}'' \times \frac{1}{2}''$ | 20 x 20 x 25 Male 25 x 25 x 20 Male | 19.2 24.2 | 19 23.9 | 15.2 19.4 | 19.4 15.2 | 4.1 5.1 | $\frac{3}{4}''$ $\frac{1}{2}''$ | 14.5 16 | 26 26 | |
| | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | d_1 | d_2 | d_3 | e_1 | G | L | Weight | | |
| BACK PLATE TRANSITION ELBOW (MALE THREAD) | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [kg] | |
| | | | | 3/4'' x 1/2'' | 25 x 20 | Male | 24.2 | 23.9 | 19.4 | 4.8 | 1/2'' | 16 | 0.069 | | |
| | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | $d_1 - d_{11}$ | $d_2 - d_{22}$ | d_3 | d_{33} | $e_1 - e_2$ | G | L_1 | L_2 | Weight |
| BACK PLATE TRANSITION TEE - FEMALE THREAD | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [kg] | |
| | | 10002190 10002190 | 10002190 10002190 | 10002190 10002190 | $\frac{3}{4}'' \times \frac{1}{2}''$ | 25 x 20 | Female | 24.2 | 23.9 | 19.4 | 15.2 | 5.1 | 1/2'' | 16 | 26 |
| | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | d_1 | d_2 | e_1 | G | L_1 | H | L | Weight | |
| SCREW DOWN STOP GLOBE VALVE | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | |
| | | 10003300 10003301 10003302 | 10003300 10003301 10003302 | 10003300 10003301 10003302 | $\frac{1}{2}''$ $\frac{3}{4}''$ 1" | 20 25 32 | 19.2 24.2 31.1 | 19 23.9 30.9 | 3.9 4.8 6.1 | $\frac{1}{2}''$ $\frac{3}{4}''$ 1" | 14.5 16 18.1 | 78.5 78.5 78.5 | 57.5 57.5 57.5 | 0.029 0.045 0.092 | |
| | | | | | | | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | d_1 | d_2 | d_3 | G | | | | Weight | |
| VALVE SHUTTER - SWIRL | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | G | | | | | |
| | | 10004230 10004231 | 10033230 10033231 | 10024230 10024231 | $\frac{1}{2}''$ $\frac{3}{4}''$ 1" | 20 25 32 | 71,3 71,3 71,3 | 93 93 93 | 76 76 76 | $\frac{1}{2}''$ $\frac{3}{4}''$ 1" | | | | | |
| | | | | | | | | | | | | | | | |

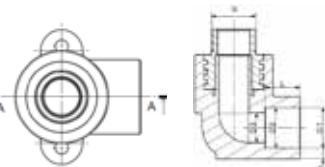
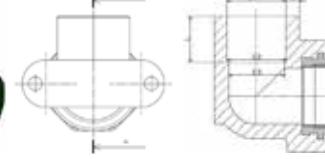
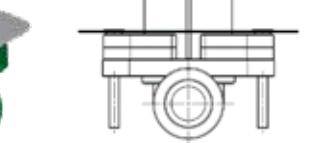
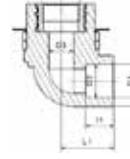
| ITEM DESCRIPTION | PICTURE | CODE | DN | d_2 | d_1 | G | I | Weight |
|----------------------|---------|--|---------------------------|----------------------|----------------------|-----------------------|------------------|--------|
| VALVE CAP CHROME ABS | | GREEN WHITE GRAY 10003215 10003216 | [inc] [mm] 20 25 | [mm] 21.5 21.5 | [mm] 22.5 22.5 | [inc] 3/4" 3/4" | [mm] 50 50 | |
| | | | | | | | | |
| | | | | | | | | |

| ITEM DESCRIPTION | PICTURE | CODE | ND - OD | d_2 | d_1 | G | I | Weight |
|----------------------|---------|--|---------------------------------|------------------------------|------------------------------|-------------------------------|------------------------|--------|
| VALVE CAP CHROME ABS | | GREEN WHITE GRAY 10003210 10003211 10003212 | [inc] [mm] 20 25 32 | [mm] 21.5 21.5 21.5 | [mm] 22.5 22.5 22.5 | [inc] 3/4" 3/4" 3/4" | [mm] 50 50 50 | |
| | | | | | | | | |
| | | | | | | | | |

| ITEM DESCRIPTION | PICTURE | CODE | DN | d_1 | d_2 | G | e_1 | L | L_1 | $RP_1 - RP_2$ | Weight |
|------------------------|---------|--|---------------------------|----------------------|--------------------|----------------------|--------------------|------------------|--------------------|----------------------|--------|
| VALVE WITH TWO OUTLETS | | GREEN WHITE GRAY 10003750 10003751 | [inc] [mm] 20 25 | [mm] 19.2 24.2 | [mm] 19 23.9 | [mm] 1/2" 3/4" | [mm] 3.9 4.8 | [mm] 82 87 | [mm] 14.5 16 | [kg] 1/8" 1/8" | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| ITEM DESCRIPTION | PICTURE | CODE | DN | d_1 | d_2 | e | G | e_1 | L | L_1 | h | H | Weight |
|------------------|---------|--|---------------------------|----------------------|--------------------|--------------------|-----------------------|--------------------|----------------------|--------------------|------------------|------------------|--------|
| DRAINING VRANCH | | GREEN WHITE GRAY 10001930 10001931 | [inc] [mm] 20 25 | [mm] 19.2 24.2 | [mm] 19 23.9 | [mm] 3.4 4.2 | [inc] 1/2" 3/4" | [mm] 3.9 4.8 | [mm] 58.5 58.5 | [mm] 14.5 16 | [mm] 40 40 | [mm] 78 81 | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| ITEM DESCRIPTION | | PICTURE | | | CODE | | | DN | | $d_1 - d_{11}$ | $d_2 - d_{22}$ | $e_1 - e_2$ | I | $L_1 - L_2$ | Weight | | | |
|---|--|----------|----------|----------|--------------------|--------------|--------|-------|-------|----------------|----------------|-------------|----------|-------------|--------|--------|-------|--------|
| CROSS OVER (INJECTED) - SHORT | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] | | | | | | |
| | | 10003053 | 10003053 | 10003053 | 1/2" | 20 | 19.2 | 19 | 3.9 | 160 | 14.5 | | | | | | | |
| | | 10003054 | 10003054 | 10003054 | 3/4" | 25 | 24.2 | 23.9 | 4.8 | 200 | 16 | | | | | | | |
| ITEM DESCRIPTION | | PICTURE | | | CODE | | | DN | | $d_1 - d_{11}$ | $d_2 - d_{22}$ | d_3 | d_{33} | $e_1 - e_2$ | G | L_1 | L_2 | Weight |
| TRANSITION TEE - FEMALE THREAD | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [kg] | |
| | | 10002090 | 10002090 | 10002090 | 1/2" x 1/2" x 3/4" | 20 x 20 x 25 | Female | 19.2 | 19 | 15.2 | 19.4 | 4.1 | 3/4" | 14.5 | 26 | 0.103 | | |
| | | 10002091 | 10002091 | 10002091 | 3/4" x 3/4" x 1/2" | 25 x 25 x 20 | Famele | 24.2 | 23.9 | 19.4 | 15.2 | 5.1 | 1/2" | 16 | 26 | 0.084 | | |
| ITEM DESCRIPTION | | PICTURE | | | CODE | | | DN | | D_1 | d_2 | e_1 | L | I | Weight | | | |
| QUILL | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | |
| | | 10004000 | 10004000 | 10004000 | 1" | 32 | 31.1 | 30.9 | 6.1 | 18.1 | 23.5 | | | | | | | |
| | | 10004001 | 10004001 | 10004001 | 1 1/4" | 40 | 39 | 38.8 | 7.5 | 20.5 | 27.2 | | | | | | | |
| | | 10004002 | 10004002 | 10004002 | 1 1/2" | 50 | 48.9 | 48.7 | 9.3 | 23.5 | 32 | | | | | 0.080 | | |
| | | 10004003 | 10004003 | 10004003 | 2" | 63 | 61.9 | 61.6 | 10.5 | 27.5 | 38 | | | | | 0.128 | | |
| | | 10004004 | 10004004 | 10004004 | 2 1/2" | 75 | 74.3 | 73.1 | 12.5 | 30 | 42.5 | | | | | 0.211 | | |
| | | 10004005 | 10004005 | 10004005 | 3" | 90 | 89.3 | 87.9 | 15 | 33 | 48 | | | | | 0.301 | | |
| | | 10004006 | 10004006 | 10004006 | 4" | 110 | 109.4 | 107.7 | 18.38 | 37.7 | 53 | | | | | 0.792 | | |
| | | | | | 4 1/2" | 125 | 124.4 | 122.6 | 20.88 | 40.7 | 195 | | | | | | | |
| | | | | | 4 1/2" | 125 kračí | 124.4 | 122.6 | 20.88 | 40.7 | 100 | | | | | | | |
| ITEM DESCRIPTION | | PICTURE | | | CODE | | | DN | | d_1 | d_2 | d_3 | e_1 | G | L_1 | Weight | | |
| BACK PLATE TRANSITION ELBOW (W/FEMALE THREAD) | | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] | | |
| | | 10001205 | 10001205 | 10001205 | 1/2" x 3/4" | 20 x 25 | Female | 24.2 | 23.9 | 19.4 | 4.8 | 1/2" | 16 | | | | | |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | D ₁ | D ₂ | D ₃ | e | G | L | Weight | | |
|--|--|----------|----------|----------|-------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|--------|-------|
| ELBOW 90°-MALE THREADED WITH DOUBLE FIXI |   | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] | | |
| | | 10001251 | 10001251 | 10001251 | 1/2" x 3/4" | 20 x 25 Male | 19.2 | 19 | 15.2 | 3.9 | 3/4" | 14.5 | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | D ₁ | D ₂ | D ₃ | e | Rp | L | Weight | | |
| ELBOW 90°-FEMALE THREADED WITH DOUBLE FIXI |   | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [kg] | | |
| | | 10001201 | 10001201 | 10001201 | 1/2" x 3/4" | 20 x 25 Female | 24.1 | 23.9 | 19.4 | 4.8 | 3/4" | 16 | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | D ₁ | D ₂ | D ₃ | e ₁ | G | L ₁ | I ₁ | Weight | |
| RIGIPS ELBOW |    | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [kg] | |
| | | 10001070 | 10001070 | 10001070 | 1/2" | 20 | 19.2 | 19 | 15.2 | 3.9 | 1/2" | 26.5 | 14.5 | 0.091 |

| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | d ₁ - d ₁₁ | d ₂ - d ₂₂ | d ₃ - d ₃₃ | S ₁ - S ₂ | L ₁ - L ₂ | L | Weight | | |
|---------------------------|---------|----------|----------|---------------|---------|---------|---|---|---|---------------------------------|---------------------------------|----------------|----------------|----------------|--------|
| ELBOW 90° | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | |
| | | 10001020 | 10011020 | 10021020 | 1/2" | 20 | 19.2 | 19 | 15.2 | 4.1 | 14.5 | 26.5 | | | |
| | | 10001021 | 10011021 | 10021021 | 3/4" | 25 | 24.2 | 23.9 | 19.4 | 5.1 | 16 | 31.5 | | | |
| | | 10001022 | 10011022 | 10021022 | 1" | 32 | 31.1 | 30.9 | 25 | 6.5 | 18.1 | 38 | | | |
| | | 10001023 | 10011023 | 10021023 | 1 1/4" | 40 | 39 | 38.8 | 31.4 | 8.1 | 20.5 | 46 | | | |
| | | 10001024 | 10011024 | 10021024 | 1 1/2" | 50 | 48.9 | 48.7 | 39.4 | 10.1 | 23.5 | 52 | | | |
| | | 10001025 | 10011025 | 10021025 | 2" | 63 | 61.9 | 61.6 | 49.8 | 12.7 | 27.4 | 62 | | | |
| | | 10001026 | 10011026 | 10021026 | 2 1/2" | 75 | 74.3 | 73.1 | 59.4 | 15.1 | 31 | 69 | | | |
| | | 10001027 | 10011027 | 10021027 | 3" | 90 | 89.3 | 87.9 | 71.6 | 18.1 | 35.5 | 81 | | | |
| | | 10001028 | 10011028 | 10021028 | 4" | 110 | 109.4 | 107 | 87.6 | 22.1 | 41.5 | 98 | | | |
| | | 10000209 | | | 4 1/2" | 125 | | | | | | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | e ₁ | G | L ₁ | L ₂ | L ₃ | Weight |
| ELBOW 90° - MALE THREADED | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [mm] | [kg] |
| | | 10001150 | 10001150 | 10001150 | 1/2" | 20 Male | 19.2 | 19 | 15.2 | 4.1 | 1/2" | 14.5 | 22 | 32 | |
| | | 10001151 | 10001151 | 10001151 | 3/4" | 25 Male | 24.2 | 23.9 | 19.4 | 5.1 | 3/4" | 16 | 25 | 36 | |
| | | 10001152 | 10001152 | 10001152 | 1" | 32 Male | 31.1 | 30.9 | 25 | 6.5 | 1" | 18.1 | 30 | 40 | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | e | G | L | Weight | | |
| SOCKET - FEMALE THREADED | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [kg] | |
| | | | | 1/2" x 3/4" | 20 x 25 | 19.2 | 19 | 15.2 | 3.9 | 3/4" | 14.5 | | | | |
| | | | | 3/4" x 1/2" | 25 x 20 | 24.2 | 23.9 | 19.4 | 4.8 | 1/2" | 16 | | | | |
| | | | | 1" x 3/4" | 32 x 25 | 31.1 | 30.9 | 25 | 6.1 | 3/4" | 18.1 | | | | |
| | | | | 1 1/4" x 3/4" | 40 x 32 | 39 | 38.8 | 31.4 | 7.5 | 1" | 20.5 | | | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | D ₁ | D ₂ | D ₃ | G | L ₁ | L ₂ | L ₃ | Weight | |
| TEE - MALE THREADED | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [inc] | [mm] | [mm] | [mm] | [kg] | |
| | | 10001950 | 10001950 | 10001950 | 1/2" | 20 Male | 19.2 | 19 | 15.2 | 1/2" | 14.5 | 26 | 35 | | |
| | | 10001951 | 10001951 | 10001951 | 3/4" | 25 Male | 24.2 | 23.9 | 19.4 | 3/4" | 16 | 26 | 36 | | |
| | | 10001952 | 10001952 | 10001952 | 1" | 32 Male | 31.1 | 30.9 | 25 | 1" | 18.1 | 27 | 43 | | |
| ITEM DESCRIPTION | PICTURE | CODE | | | DN | | d ₁ - d' ₁ - d'' ₁ | d ₂ - d' ₂ - d'' ₂ | d ₃ - d' ₃ - d'' ₃ | e - e' - e'' | L ₁ - L | | Weight | | |
| THREE-WAY ELBOW | GREEN | WHITE | GRAY | [inc] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg] | | |
| | | 10001050 | 10001050 | 10001050 | 1/2" | 20 | 19.2 | 19 | 15.2 | 3.9 | 14.5 | | 0.022 | | |
| | | 10001051 | 10001051 | 10001051 | 3/4" | 25 | 24.1 | 23.9 | 19.4 | 4.8 | 16 | | 0.035 | | |



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