



Effective Date: December 2020

This listing is subject to re-examination in one year.

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CSI: Division: 22 00 00 — Plumbing  
Section: 22 11 00 — Facility Water Distribution  
Section: 22 11 16 — Domestic Water Piping

Division: 23 00 00 — HVAC  
Section: 23 21 13 — Hydronic Piping

#### Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Products: PESTAN / UPONOR Polypropylene (PP-R) and (PP-RCT) Pipe and Fitting System

Listee: Pestan North America Inc.  
4625 Dean Martin Dr., Unit 1608  
Las Vegas, NV 89103  
[www.pestanpipes.com](http://www.pestanpipes.com)

#### Additional Listee:

Uponor Incorporated  
5925 148<sup>th</sup> Street West  
Apple Valley, Minnesota 55124  
[www.uponor.com](http://www.uponor.com)

#### Compliance with the following codes:

2021, 2018, 2015, 2012, 2009, and 2006 *International Residential Code*® (IRC)  
2021, 2018, 2015, 2012, 2009, and 2006 *International Plumbing Code*® (IPC)  
2021, 2018, 2015, 2012, 2009, and 2006 *International Mechanical Code*® (IMC)  
2021, 2018, 2015, 2012, 2009, and 2006 *Uniform Plumbing Code*® (UPC\*)  
2021, 2018, 2015, 2012, 2009, and 2006 *Uniform Mechanical Code*® (UMC\*)  
2019, 2016, 2013 and 2010 California Plumbing Code (CPC)  
2019, 2016, 2013 and 2010 California Mechanical Code (CMC)  
2020 and 2017 *City of Los Angeles Plumbing Code*  
2020 and 2017 *City of Los Angeles Mechanical Code*  
2017 and 2007 *Code of Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code*  
2017 *Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28*  
2015 and 2010 National Plumbing Code of Canada® (NPC\*\*)

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\*\* National Plumbing Code of Canada is a copyrighted publication of National Research Council Canada

Compliance with the following standards:

ASTM F2389-2019 Standard Specification for Pressure-rated Polypropylene (PP) Piping Systems  
ASTM F1960-2019a, Standard Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing  
NSF/ANSI 14-2019 Plastic Piping Systems Components and Related Materials  
CSA B137.11-2017 Polypropylene (PP-R) pipe and fittings for pressure applications  
ICC-ES LC1004-2010, PMG Listing Criteria for PP, PEX, PEX-AL-PEX, and PP-AL-PP Piping, Tube and Fittings Used In Radiant Heating and Water Supply Systems  
NSF/ANSI/CAN 61-2020 Drinking Water System Components-Health Effects  
NSF/ANSI 51-2019 Food Equipment Materials

Identification:

**Tubing:** PP-R and PP-RCT Piping shall be permanently marked, spaced at intervals of not more than 5 ft. (1.5 m), include the followings:

- Manufacturer's name or trademark
- Nominal pipe size (for example, ½, 32)
- Metric series pipe shall be marked with the dimension ratio or both the outside diameter and wall thickness and shall include the term "metric"
- IPS series pipe shall include the marking "SCH 80" or "Schedule 80"
- Type of material (PP-R) or (PP-RCT) and classification number (80, 100, 112)
- Pressure rating(s) and temperature for which the rating(s) is valid (for example, 355 psi at 73°F, 100 psi at 180°F)
- Potable water designation (when applicable)
- Pipe intended for the transport of potable or other water that could include residual free chlorine as a disinfectant shall also include the chlorine resistance destination for which it complies, "CL-TD (CLASS 3)" or "CL-R (CLASS 5)"
- The standard designation "ASTM F2389", with which the pipe complies
- Manufacturer's production code which allows the manufacturer to identify production date and location
- ICC-ES PMG mark of conformity

**Fittings:** Polypropylene (PP-R) or (PP-RCT) Fittings shall be permanently marked with followings:

- Manufacturer's name or trademark
- Nominal size
- Dimension ratio or schedule of the corresponding pipe, unless the fittings are made as part of a system sold by the manufacturer, and the same fitting design is used for all pipe series produced as part of the system
- Type of material (PP-R) or (PP-RCT)
- Potable water designation (when applicable)
- For threaded fittings, the fitting or the packaging in which the fitting is sold shall include either "Metric" or "NPT" as appropriate. For metric thread fittings, the packaging shall state that the fittings are not interchangeable with and shall not be used with NPT fittings. For NPT thread fittings, the packaging shall state that the fittings are not interchangeable with, and shall not be used with metric fittings
- The fitting or the packaging in which the fitting is sold shall include the specification designation, "ASTM F2389", with which the fitting complies
- ICC-ES PMG mark of conformity
- CSA B137.11 (optional)

**Valves:** Polypropylene (PP-R) valves shall be permanently marked with followings:

- Valves designed for flow in one direction shall also include marking designating the flow direction
- ICC-ES PMG mark of conformity

**Manifolds:** Polypropylene (PP-R) or (PP-RCT) manifolds shall be permanently marked with followings:

- Marking on manifolds shall include the nominal size of the inlet and outlet connections.
- ICC-ES PMG mark of conformity

**Installation:**

Pipe and fitting system must be installed in accordance with the manufacturer's published installation instructions, the applicable codes and this listing. Where differences exist, the instructions in this listing must govern. The minimum cold bending radius is six times the nominal diameter.

**Water Distribution:** Horizontally laid pipe must be secured in such a manner that temperature-induced expansion and contraction are accommodated. In areas using the Uniform Plumbing Code (UPC), PP piping must not be installed within the first 18 inches (457 mm) of piping connected to a water heater. The system may be installed in concrete in accordance with the manufacturer's instructions. The piping must be secured to the concrete reinforcement (ie "rebar") to hold it in place while pouring concrete. When embedment is in concrete, installation, including minimum concrete cover, must comply with IBC Section 1907, or IRC Section R506.1, as applicable.

**Water Service:** Buried piping must be installed in such a manner that external loads do not decrease the vertical dimension of the cross section by more than 5 percent. Piping must be installed to provide an allowance for contraction of the line due to temperature change prior to backfilling. In areas with poor soil conditions (plastic clays), the trench bottom must be prepared using granular material to provide a stable base. Water service piping must not be located in, under or above cesspools, septic tanks, septic tank drainage fields or pits.

**Water Distribution and Water Service Piping:** Installed piping must be pressure-tested and inspected as required by IPC Section 606.6, IRC Section P2503.6 or UPC Section 103.5.

**Hydronic Piping Systems:** The installation must comply with Chapter 12 of the applicable mechanical code(s) and the manufacturer's published installation instructions. Details of the design and installation of the hydronic piping system must be submitted to the code official for approval. All circuits must be formed from continuous lengths of piping, from manifold supply to return. No splices are allowed. The system may be installed in either concrete or wood floors. When the system is embedded in concrete floors, a moisture barrier must be laid over a concrete base slab a minimum of 3<sup>1</sup>/<sub>2</sub> inches (38 mm) thick. Under-floor insulation and reinforcing mesh must then be placed on the slab. The piping must be uncoiled and attached to the mesh using soft steel wire. A concrete topping is then laid over the piping. When embedment is in concrete, installation, including minimum concrete cover, must comply with IBC Chapter 19, or IRC Chapter 5, as applicable. When the piping is installed over polystyrene boards, the boards must comply with IBC Chapter 26, or IRC Chapter 3, as applicable.

Antifreeze protection may be achieved by the addition of chemicals detailed in Item 1 of the Conditions of Listing, below. The quantity of these allowed chemicals required to achieve a specific freeze protection level is beyond the scope of this listing. Addition of antifreeze to the radiant heating loop must be in accordance with the manufacturer's installation instructions and the material safety data sheet (MSDS).

Mounting brackets and installation hardware are provided by the manufacturer. Horizontally laid pipe must be secured in such a way that temperature-induced expansion and contraction are accommodated.

**Hydronic Piping:** The piping must be pressure-tested for leaks before installation of covering, as noted in accordance with the applicable local codes. The leak test must be witnessed by the code official or the code official's designated representative.

Models:

**PESTAN Pipe and Fittings**

**MECHANICAL PIPE**

Part-No (CODE):	Item Description	Dimension N.D-O.D
18002150	MECHANICAL PIPE	½" -- 20 mm (SDR 7.4 w/ fiber)
18002151	MECHANICAL PIPE	¾" -- 25 mm (SDR 7.4 w/ fiber)
18002170	MECHANICAL PIPE	1" -- 32 mm (SDR 9 w/ fiber)
18002171	MECHANICAL PIPE	1¼" -- 40 mm (SDR 9 w/ fiber)
18002172	MECHANICAL PIPE	1½" -- 50 mm (SDR 9 w/ fiber)
18002173	MECHANICAL PIPE	2" -- 63 mm (SDR 9 w/ fiber)
18002174	MECHANICAL PIPE	2½" -- 75 mm (SDR 9 w/ fiber)
18002152	MECHANICAL PIPE	2½" -- 75 mm 19ft (SDR 9 w/ fiber)
18002175	MECHANICAL PIPE	3" -- 90 mm (SDR 9 w/ fiber)
18002153	MECHANICAL PIPE	3" -- 90 mm 19ft (SDR 9 w/ fiber)
18002177	MECHANICAL PIPE	4" -- 125 mm (SDR 9 w/ fiber)
18002154	MECHANICAL PIPE	4" -- 125 mm 19ft (SDR 9 w/ fiber)
18002180	MECHANICAL PIPE	6" - 160 mm (SDR 9 w/ fiber)
18002182	MECHANICAL PIPE	6" - 160 mm 19ft (SDR 9 w/ fiber)
18002181	MECHANICAL PIPE	8" - 200 mm 19ft (SDR 9 w/ fiber)
18002183	MECHANICAL PIPE	10" - 250 mm 19ft (SDR 9 w/ fiber)
18002184	MECHANICAL PIPE	12" - 315 mm 19ft (SDR 9 w/ fiber)
18002167	MECHANICAL PIPE	14" - 355 mm 38ft (SDR 9 w/ fiber)
18002166	MECHANICAL PIPE	16" - 400 mm 19ft (SDR 9 w/ fiber)
18002190	MECHANICAL PIPE	1" - 32 mm (SDR 11 w/ fiber)
18002191	MECHANICAL PIPE	1¼" - 40 mm (SDR 11 w/ fiber)
18002192	MECHANICAL PIPE	1½" - 50 mm (SDR 11 w/ fiber)
18002193	MECHANICAL PIPE	2" - 63 mm (SDR 11 w/ fiber)
18002194	MECHANICAL PIPE	2½" - 75 mm (SDR 11 w/ fiber)
18002157	MECHANICAL PIPE	2½" - 75 mm 19ft (SDR 11 w/ fiber)
18002195	MECHANICAL PIPE	3" - 90 mm (SDR 11 w/ fiber)
18002156	MECHANICAL PIPE	3" - 90 mm 19ft (SDR 11 w/ fiber)
18002197	MECHANICAL PIPE	4" - 125 mm (SDR 11 w/ fiber)
18002198	MECHANICAL PIPE	6" - 160 mm (SDR 11 w/ fiber)
18002200	MECHANICAL PIPE	6" - 160 mm 19ft (SDR 11 w/ fiber)
18002199	MECHANICAL PIPE	8" - 200 mm 19ft (SDR 11 w/ fiber)
18002185	MECHANICAL PIPE	10" - 250 mm 19ft (SDR 11 w/ fiber)
18002186	MECHANICAL PIPE	12" - 315 mm 19ft (SDR 11 w/ fiber)
18002188	MECHANICAL PIPE	14" - 355 mm 19ft (SDR 11 w/ fiber)
18002134	MECHANICAL PIPE	16" - 400 mm 19ft (SDR 11 w/ fiber)
18002132	MECHANICAL PIPE	18" - 450 mm 19ft (SDR 11 w/ fiber)
18002130	MECHANICAL PIPE	20" - 500 mm 19ft (SDR 11 w/ fiber)
18002128	MECHANICAL PIPE	22" - 560 mm 19ft (SDR 11 w/ fiber)
18002126	MECHANICAL PIPE	24 - 630 mm 19ft (SDR 11 w/ fiber)
18002160	MECHANICAL PIPE	4" - 125 mm 19ft (SDR 17.6 w/ fiber)
18002161	MECHANICAL PIPE	6" - 160 mm 19ft (SDR 17.6 w/ fiber)
18002162	MECHANICAL PIPE	8" - 200 mm 19ft (SDR 17.6 w/ fiber)
18002163	MECHANICAL PIPE	10" - 250 mm 19ft (SDR 17.6 w/ fiber)
18002164	MECHANICAL PIPE	12" - 315 mm 19ft (SDR 17.6 w/ fiber)
18002165	MECHANICAL PIPE	14" - 355 mm 19ft (SDR 17.6 w/ fiber)
18002118	MECHANICAL PIPE	16" - 400 mm 19ft (SDR 17.6 w/ fiber)
18002116	MECHANICAL PIPE	18" - 450 mm 19ft (SDR 17.6 w/ fiber)
18002115	MECHANICAL PIPE	18" - 450 mm 38ft (SDR 17.6 w/ fiber)
18002114	MECHANICAL PIPE	20" - 500 mm 19ft (SDR 17.6 w/ fiber)
18002113	MECHANICAL PIPE	20" - 500 mm 38ft (SDR 17.6 w/ fiber)
18002112	MECHANICAL PIPE	22" - 560 mm 19ft (SDR 17.6 w/ fiber)
18002111	MECHANICAL PIPE	22" - 560 mm 38ft (SDR 17.6 w/ fiber)
18002110	MECHANICAL PIPE	24 - 630 mm 19ft (SDR 17.6 w/ fiber)
18002109	MECHANICAL PIPE	24 - 630 mm 38ft (SDR 17.6 w/ fiber)

**HOT POTABLE WATER PIPE**

Part-No (CODE):	Item Description	Dimension N.D-O.D
18002300	HOT POTABLE WATER PIPE	½" -- 20 mm (SDR 7.4 w/ fiber)
18002301	HOT POTABLE WATER PIPE	¾" -- 25 mm (SDR 7.4 w/ fiber)
18002302	HOT POTABLE WATER PIPE	1" -- 32 mm (SDR 9 w/ fiber)
18002303	HOT POTABLE WATER PIPE	1¼" -- 40 mm (SDR 9 w/ fiber)
18002304	HOT POTABLE WATER PIPE	1½" -- 50 mm (SDR 9 w/ fiber)
18002305	HOT POTABLE WATER PIPE	2" -- 63 mm (SDR 9 w/ fiber)
18002306	HOT POTABLE WATER PIPE	2½" -- 75 mm 19ft (SDR 9 w/ fiber)
18002307	HOT POTABLE WATER PIPE	3" -- 90 mm 19ft (SDR 9 w/ fiber)

18002308	HOT POTABLE WATER PIPE	4" -- 125 mm 19ft (SDR 9 w/ fiber)
18002309	HOT POTABLE WATER PIPE	6" - 160 mm 19ft (SDR 9 w/ fiber)
18002310	HOT POTABLE WATER PIPE	8" - 200 mm 19ft (SDR 9 w/ fiber)

**COLD POTABLE WATER PIPE (no glass fiber)**

Part-No (CODE):	Item Description	Dimension N.D-O.D
18002400	COLD POTABLE WATER PIPE	1/2" -- 20 mm (SDR 7.4)
18002401	COLD POTABLE WATER PIPE	3/4" -- 25 mm (SDR 7.4)
18002402	COLD POTABLE WATER PIPE	1" - 32 mm (SDR 11)
18002403	COLD POTABLE WATER PIPE	1 1/4" - 40 mm (SDR 11)
18002404	COLD POTABLE WATER PIPE	1 1/2" - 50 mm (SDR 11)
18002405	COLD POTABLE WATER PIPE	2" - 63 mm (SDR 11)
18002406	COLD POTABLE WATER PIPE	2 1/2" - 75 mm 19ft (SDR 11)
18002407	COLD POTABLE WATER PIPE	3" - 90 mm 19ft (SDR 11)
18002408	COLD POTABLE WATER PIPE	4" - 125 mm 19ft (SDR 11)
18002409	COLD POTABLE WATER PIPE	6" - 160 mm 19ft (SDR 11)
18002410	COLD POTABLE WATER PIPE	8" - 200 mm 19ft (SDR 11)

**PURPLE PIPE**

Part-No (CODE):	Item Description	Dimension N.D-O.D
18002201	PURPLE PIPE (PPR)	3/4" -- 25 mm (SDR 7.4)

**FITTINGS**

Part-No (CODE):	Item Description	Dimension N.D-O.D
18000001	COUPLING	1/2"-20 mm
18000002	COUPLING	3/4" -25 mm
18000003	COUPLING	1"-32 mm
18000004	COUPLING	1 1/4"-40 mm
18000005	COUPLING	1 1/2"-50 mm
18000006	COUPLING	2"-63 mm
18000007	COUPLING	2 1/2"-75 mm
18000008	COUPLING	3"-90 mm
18000010	COUPLING	4" - 125 mm

18000028	BUSHING / REDUCER	1 1/4" to 1/2"-40 to 20 mm
18000029	BUSHING / REDUCER	1 1/4" to 3/4"-40 to 25 mm
18000030	BUSHING / REDUCER	3/4" to 1/2"-25 to 20 mm
18000031	BUSHING / REDUCER	1" to 1/2"-32 to 20 mm
18000032	BUSHING / REDUCER	1" to 3/4"-32 to 25 mm
18000035	BUSHING / REDUCER	1 1/4" to 1"-40 to 32 mm
18000036	BUSHING / REDUCER	1 1/2" to 1/2"-50 to 20 mm
18000037	BUSHING / REDUCER	1 1/2" to 3/4"-50 to 25 mm
18000038	BUSHING / REDUCER	1 1/2" to 1"-50 to 32 mm
18000039	BUSHING / REDUCER	1 1/2" to 1 1/4"-50 to 40 mm
18000041	BUSHING / REDUCER	2" to 3/4"-63 to 25 mm
18000042	BUSHING / REDUCER	2" to 1"-63 to 32 mm
18000043	BUSHING / REDUCER	2" to 1 1/4"-63 to 40 mm
18000044	BUSHING / REDUCER	2" to 1 1/2"-63 to 50 mm
18000045	BUSHING / REDUCER	2 1/2" to 1 1/4"-75 to 40 mm
18000046	BUSHING / REDUCER	2 1/2" to 1 1/2"-75 to 50 mm
18000047	BUSHING / REDUCER	2 1/2" to 2"-75 to 63 mm
18000048	BUSHING / REDUCER	2 1/2" to 1/2"-75 to 20 mm
18000049	BUSHING / REDUCER	2 1/2" to 3/4"-75 to 25 mm
18000050	BUSHING / REDUCER	2 1/2" to 1"-75 to 32 mm
18000051	BUSHING / REDUCER	3" to 1 1/2"-90 to 50 mm
18000052	BUSHING / REDUCER	3" to 2"-90 to 63 mm
18000053	BUSHING / REDUCER	3" to 2 1/2"-90 to 75 mm

18000054	BUSHING / REDUCER	6" to 4"-160 to 125 mm
18000056	BUSHING / REDUCER	4" to 2½"-125 to 75 mm
18000057	BUSHING / REDUCER	4" to 3"-125 to 90 mm
18000058	BUSHING / REDUCER	6" to 4"-160 to 125 mm SDR9 (Butt to Socket Fusion)
18000059	BUSHING / REDUCER	6" to 4"-160 to 125 mm SDR11 (Butt to Socket Fusion)
18000054	BUSHING / REDUCER	6" to 4"-160 to 125 mm SDR17.6 (Butt to Socket Fusion)
18000060	BUSHING / REDUCER	8" to 4" - 200mm to 125mm SDR9 (Butt to Socket Fusion)
18000061	BUSHING / REDUCER	8" to 4" - 200mm to 125mm SDR11 (Butt to Socket Fusion)
18000062	BUSHING / REDUCER	8" to 6" - 200mm to 160mm SDR9
18000063	BUSHING / REDUCER	8" to 6" - 200mm to 160mm SDR11
18000064	BUSHING / REDUCER	8" to 6" - 200mm to 160mm SDR17.6
18000065	BUSHING / REDUCER	8" to 4" - 200mm to 125mm SDR17.6 (Butt to Socket Fusion)
18000067	BUSHING / REDUCER	10" to 6" - 250mm to 160mm SDR17.6
18000080	BUSHING / REDUCER	10" to 8" - 250mm to 200mm SDR17.6
18000081	BUSHING / REDUCER	12" to 8" - 315mm to 200mm SDR9
18000082	BUSHING / REDUCER	12" to 8" - 315mm to 200mm SDR11
18000083	BUSHING / REDUCER	12" to 8" - 315mm to 200mm SDR17.6
18000085	BUSHING / REDUCER	12" to 10" - 315mm to 250mm SDR11
18000086	BUSHING / REDUCER	12" to 10" - 315mm to 250mm SDR17.6
18000087	BUSHING / REDUCER	10" to 6" - 250mm to 160mm SDR9
18000019	BUSHING / REDUCER	14" to 8" - 355mm to 200mm SDR9
18000020	BUSHING / REDUCER	14" to 8" - 355mm to 200mm SDR11
18000021	BUSHING / REDUCER	14" to 8" - 355mm to 200mm SDR17.6
18000022	BUSHING / REDUCER	14" to 10" - 355mm to 250mm SDR9
18000023	BUSHING / REDUCER	14" to 10" - 355mm to 250mm SDR11
18000024	BUSHING / REDUCER	14" to 10" - 355mm to 250mm SDR17.6
18000025	BUSHING / REDUCER	14" to 12" - 355mm to 315mm SDR9
18000026	BUSHING / REDUCER	14" to 12" - 355mm to 315mm SDR11
18000027	BUSHING / REDUCER	14" to 12" - 355mm to 315mm SDR17.6
18002600	BUSHING / REDUCER	16" to 10" - 400mm to 250mm SDR9
18002601	BUSHING / REDUCER	16" to 10" - 400mm to 250mm SDR11
18002602	BUSHING / REDUCER	16" to 10" - 400mm to 250mm SDR17.6
18002603	BUSHING / REDUCER	16" to 12" - 400mm to 315mm SDR9
18002604	BUSHING / REDUCER	16" to 12" - 400mm to 315mm SDR11
18002605	BUSHING / REDUCER	16" to 12" - 400mm to 315mm SDR17.6
18002606	BUSHING / REDUCER	16" to 14" - 400mm to 355mm SDR9
18002607	BUSHING / REDUCER	16" to 14" - 400mm to 355mm SDR11
18002608	BUSHING / REDUCER	16" to 14" - 400mm to 355mm SDR17.6
18002609	BUSHING / REDUCER	18" to 12" - 450mm to 315mm SDR9
18002610	BUSHING / REDUCER	18" to 12" - 450mm to 315mm SDR11
18002611	BUSHING / REDUCER	18" to 12" - 450mm to 315mm SDR17.6
18002612	BUSHING / REDUCER	18" to 14" - 450mm to 355mm SDR9
18002613	BUSHING / REDUCER	18" to 14" - 450mm to 355mm SDR11
18002614	BUSHING / REDUCER	18" to 14" - 450mm to 355mm SDR17.6
18002615	BUSHING / REDUCER	18" to 16" - 450mm to 400mm SDR9
18002616	BUSHING / REDUCER	18" to 16" - 450mm to 400mm SDR11
18002617	BUSHING / REDUCER	18" to 16" - 450mm to 400mm SDR17.6
18002618	BUSHING / REDUCER	20" to 12" - 500mm to 315mm SDR9
18002619	BUSHING / REDUCER	20" to 12" - 500mm to 315mm SDR11
18002620	BUSHING / REDUCER	20" to 12" - 500mm to 315mm SDR17.6
18002621	BUSHING / REDUCER	20" to 14" - 500mm to 355mm SDR9
18002622	BUSHING / REDUCER	20" to 14" - 500mm to 355mm SDR11
18002623	BUSHING / REDUCER	20" to 14" - 500mm to 355mm SDR17.6
18002624	BUSHING / REDUCER	20" to 16" - 500mm to 400mm SDR9
18002625	BUSHING / REDUCER	20" to 16" - 500mm to 400mm SDR11
18002626	BUSHING / REDUCER	20" to 16" - 500mm to 400mm SDR17.6
18002627	BUSHING / REDUCER	20" to 18" - 500mm to 450mm SDR9
18002628	BUSHING / REDUCER	20" to 18" - 500mm to 450mm SDR11
18002629	BUSHING / REDUCER	20" to 18" - 500mm to 450mm SDR17.6
18002630	BUSHING / REDUCER	22" to 16" - 560mm to 400mm SDR9
18002631	BUSHING / REDUCER	22" to 16" - 560mm to 400mm SDR11
18002632	BUSHING / REDUCER	22" to 16" - 560mm to 400mm SDR17.6
18002633	BUSHING / REDUCER	22" to 18" - 560mm to 450mm SDR9
18002634	BUSHING / REDUCER	22" to 18" - 560mm to 450mm SDR11
18002635	BUSHING / REDUCER	22" to 18" - 560mm to 450mm SDR17.6
18002636	BUSHING / REDUCER	22" to 20" - 560mm to 500mm SDR9
18002637	BUSHING / REDUCER	22" to 20" - 560mm to 500mm SDR11
18002638	BUSHING / REDUCER	22" to 20" - 560mm to 500mm SDR17.6
18002639	BUSHING / REDUCER	24" to 16" - 630mm to 400mm SDR9
18002640	BUSHING / REDUCER	24" to 16" - 630mm to 400mm SDR11
18002641	BUSHING / REDUCER	24" to 16" - 630mm to 400mm SDR17.6
18002642	BUSHING / REDUCER	24" to 18" - 630mm to 450mm SDR9
18002643	BUSHING / REDUCER	24" to 18" - 630mm to 450mm SDR11

18002644	BUSHING / REDUCER	24" to 18" - 630mm to 450mm SDR17.6
18002645	BUSHING / REDUCER	24" to 20" - 630mm to 500mm SDR9
18002646	BUSHING / REDUCER	24" to 20" - 630mm to 500mm SDR11
18002647	BUSHING / REDUCER	24" to 20" - 630mm to 500mm SDR17.6
18002648	BUSHING / REDUCER	24" to 22" - 630mm to 560mm SDR9
18002649	BUSHING / REDUCER	24" to 22" - 630mm to 560mm SDR11
18002650	BUSHING / REDUCER	24" to 22" - 630mm to 560mm SDR17.6
18002651	BUSHING / REDUCER	4" to 2½"-125 to 75 mm SDR11
18002652	BUSHING / REDUCER	4" to 2½"-125 to 75 mm SDR17,6
18002653	BUSHING / REDUCER	4" to 3"-125 to 90 mm SDR11
18002654	BUSHING / REDUCER	4" to 3"-125 to 90 mm SDR17,6

18000070	ELBOW 90°	½"-20 mm
18000071	ELBOW 90°	¾" -25 mm
18000072	ELBOW 90°	1"-32 mm
18000073	ELBOW 90°	1¼"-40 mm
18000074	ELBOW 90°	1½"-50 mm
18000075	ELBOW 90°	2"-63 mm
18000076	ELBOW 90°	2½"-75 mm
18000077	ELBOW 90°	3"-90 mm
18000078	ELBOW 90°	6"-160 mm (MECHANICAL SDR17.6)
18000079	ELBOW 90°	4"-125 mm
18000088	ELBOW 90°	12"-315 mm (MECHANICAL SDR9)
18000089	ELBOW 90°	12"-315 mm (MECHANICAL SDR17.6)
18000090	ELBOW 90°	12"-315 mm (POTABLE COLD SDR11)
18000091	ELBOW 90°	12"-315 mm (POTABLE HOT SDR9)

18000105	ELBOW 90°	10"-250 mm (MECHANICAL SDR9)
18000107	ELBOW 90°	10"-250 mm (MECHANICAL SDR17.6)
18000108	ELBOW 90°	10"-250 mm (POTABLE COLD SDR11)
18000109	ELBOW 90°	10"-250 mm (POTABLE HOT SDR9)
18000110	ELBOW 90°	6"-160 mm (MECHANICAL SDR9)
18000111	ELBOW 90°	8"-200 mm (MECHANICAL SDR9)
18000112	ELBOW 90°	6"-160 mm (MECHANICAL SDR11)
18000113	ELBOW 90°	8"-200 mm (MECHANICAL SDR11)
18000114	ELBOW 90°	6"-160 mm (POTABLE HOT SDR9)
18000115	ELBOW 90°	8"-200 mm (POTABLE HOT SDR9)
18000116	ELBOW 90°	6"-160 mm (POTABLE COLD SDR11)
18000117	ELBOW 90°	8"-200 mm (POTABLE COLD SDR11)
18000118	ELBOW 90°	8"-200 mm (MECHANICAL SDR17.6)
18000119	ELBOW 90°	12"-315 mm (MECHANICAL SDR11)
18002445	ELBOW 90°	14"-355 mm (POTABLE COLD SDR11)
18002446	ELBOW 90°	14"-355 mm (POTABLE HOT SDR9)
18002447	ELBOW 90°	14"-355 mm (MECHANICAL SDR9)
18002448	ELBOW 90°	14"-355 mm (MECHANICAL SDR11)
18002449	ELBOW 90°	14"-355 mm (MECHANICAL SDR17.6)
18002670	ELBOW 90°	16" - 400mm (POTABLE COLD SDR11)
18002671	ELBOW 90°	16" - 400mm (POTABLE HOT SDR9)
18002672	ELBOW 90°	16" - 400mm (MECHANICAL SDR9)
18002673	ELBOW 90°	16" - 400mm (MECHANICAL SDR11)
18002674	ELBOW 90°	16" - 400mm (MECHANICAL SDR17.6)
18002675	ELBOW 90°	18" - 450mm (POTABLE COLD SDR11)
18002676	ELBOW 90°	18" - 450mm (POTABLE HOT SDR9)
18002677	ELBOW 90°	18" - 450mm (MECHANICAL SDR9)
18002678	ELBOW 90°	18" - 450mm (MECHANICAL SDR11)
18002679	ELBOW 90°	18" - 450mm (MECHANICAL SDR17.6)
18002680	ELBOW 90°	20" - 500mm (POTABLE COLD SDR11)
18002681	ELBOW 90°	20" - 500mm (POTABLE HOT SDR9)
18002682	ELBOW 90°	20" - 500mm (MECHANICAL SDR9)
18002683	ELBOW 90°	20" - 500mm (MECHANICAL SDR11)
18002684	ELBOW 90°	20" - 500mm (MECHANICAL SDR17.6)
18002685	ELBOW 90°	24" - 630mm (POTABLE COLD SDR11)
18002686	ELBOW 90°	24" - 630mm (POTABLE HOT SDR9)
18002687	ELBOW 90°	24" - 630mm (MECHANICAL SDR9)
18002688	ELBOW 90°	24" - 630mm (MECHANICAL SDR11)
18002689	ELBOW 90°	24" - 630mm (MECHANICAL SDR17.6)
18000120	ELBOW 90° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR9)
18000122	ELBOW 90° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR11)

18000121	ELBOW 90° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR9)
18000123	ELBOW 90° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR11)
18000124	ELBOW 90° (SHORT RADIUS)	6"-160 mm (POTABLE HOT SDR9)
18000125	ELBOW 90° (SHORT RADIUS)	8"-200 mm (POTABLE HOT SDR9)
18000126	ELBOW 90° (SHORT RADIUS)	6"-160 mm (POTABLE COLD SDR11)
18000127	ELBOW 90° (SHORT RADIUS)	8"-200 mm (POTABLE COLD SDR11)
18000128	ELBOW 90° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR17.6)
18000141	ELBOW 90° (SHORT RADIUS)	10"-250 mm (POTABLE HOT SDR9)
18000143	ELBOW 90° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR17.6)
18000146	ELBOW 90° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR9)
18000147	ELBOW 90° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR11)
18000148	ELBOW 90° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR17.6)
18002440	ELBOW 90° (SHORT RADIUS)	14"-355 mm (POTABLE COLD SDR11)
18002441	ELBOW 90° (SHORT RADIUS)	14"-355 mm (POTABLE HOT SDR9)
18002442	ELBOW 90° (SHORT RADIUS)	14"-355 mm (MECHANICAL SDR9)
18002443	ELBOW 90° (SHORT RADIUS)	14"-355 mm (MECHANICAL SDR11)
18002444	ELBOW 90° (SHORT RADIUS)	14"-355 mm (MECHANICAL SDR17.6)
18002450	ELBOW 90° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR17.6)
18002700	ELBOW 90° (SHORT RADIUS)	16" - 400mm (POTABLE COLD SDR11)
18002701	ELBOW 90° (SHORT RADIUS)	16" - 400mm (POTABLE HOT SDR9)
18002702	ELBOW 90° (SHORT RADIUS)	16" - 400mm (MECHANICAL SDR9)
18002703	ELBOW 90° (SHORT RADIUS)	16" - 400mm (MECHANICAL SDR11)
18002704	ELBOW 90° (SHORT RADIUS)	16" - 400mm (MECHANICAL SDR17.6)
18002705	ELBOW 90° (SHORT RADIUS)	18" - 450mm (POTABLE COLD SDR11)
18002706	ELBOW 90° (SHORT RADIUS)	18" - 450mm (POTABLE HOT SDR9)
18002707	ELBOW 90° (SHORT RADIUS)	18" - 450mm (MECHANICAL SDR9)
18002708	ELBOW 90° (SHORT RADIUS)	18" - 450mm (MECHANICAL SDR11)
18002709	ELBOW 90° (SHORT RADIUS)	18" - 450mm (MECHANICAL SDR17.6)
18002710	ELBOW 90° (SHORT RADIUS)	20" - 500mm (POTABLE COLD SDR11)
18002711	ELBOW 90° (SHORT RADIUS)	20" - 500mm (POTABLE HOT SDR9)
18002712	ELBOW 90° (SHORT RADIUS)	20" - 500mm (MECHANICAL SDR9)
18002713	ELBOW 90° (SHORT RADIUS)	20" - 500mm (MECHANICAL SDR11)
18002714	ELBOW 90° (SHORT RADIUS)	20" - 500mm (MECHANICAL SDR17.6)
18002715	ELBOW 90° (SHORT RADIUS)	24" - 630mm (POTABLE COLD SDR11)
18002716	ELBOW 90° (SHORT RADIUS)	24" - 630mm (POTABLE HOT SDR9)
18002717	ELBOW 90° (SHORT RADIUS)	24" - 630mm (MECHANICAL SDR9)
18002718	ELBOW 90° (SHORT RADIUS)	24" - 630mm (MECHANICAL SDR11)
18002719	ELBOW 90° (SHORT RADIUS)	24" - 630mm (MECHANICAL SDR17.6)

18000100	STREET 90° (female/male)	½" - 20 mm
18000101	STREET 90° (female/male)	¾" -25 mm
18000102	STREET 90° (female/male)	1"-32 mm

18000150	STREET 45° (female/male)	½" - 20 mm
18000151	STREET 45° (female/male)	¾" -25 mm
18000152	STREET 45° (female/male)	1"-32 mm

18000130	ELBOW 45°	½"-20 mm
18000131	ELBOW 45°	¾" -25 mm
18000132	ELBOW 45°	1"-32 mm
18000133	ELBOW 45°	1¼"-40 mm
18000134	ELBOW 45°	1½"-50 mm
18000135	ELBOW 45°	2"-63 mm
18000136	ELBOW 45°	2½"-75 mm
18000137	ELBOW 45°	3"-90 mm
18000139	ELBOW 45°	4"-125 mm

18000160	ELBOW 45°	6"-160 mm (MECHANICAL SDR9)
18000161	ELBOW 45°	8"-200 mm (MECHANICAL SDR9)
18000162	ELBOW 45°	6"-160 mm (MECHANICAL SDR11)
18000163	ELBOW 45°	8"-200 mm (MECHANICAL SDR11)
18000164	ELBOW 45°	6"-160 mm (POTABLE HOT SDR9)
18000165	ELBOW 45°	8"-200 mm (POTABLE HOT SDR9)
18000166	ELBOW 45°	6"-160 mm (POTABLE COLD SDR11)
18000167	ELBOW 45°	8"-200 mm (POTABLE COLD SDR11)
18000168	ELBOW 45°	8"-200 mm (MECHANICAL SDR17.6)



18000180	ELBOW 45°	10"-250 mm (POTABLE COLD SDR11)
18000181	ELBOW 45°	10"-250 mm (POTABLE HOT SDR9)
18000182	ELBOW 45°	10"-250 mm (MECHANICAL SDR9)
18000183	ELBOW 45°	10"-250 mm (MECHANICAL SDR11)
18000184	ELBOW 45°	10"-250 mm (MECHANICAL SDR17.6)
18000185	ELBOW 45°	12"-315 mm (POTABLE COLD SDR11)
18000186	ELBOW 45°	12"-315 mm (POTABLE HOT SDR9)
18000187	ELBOW 45°	12"-315 mm (MECHANICAL SDR9)
18000188	ELBOW 45°	12"-315 mm (MECHANICAL SDR11)
18000189	ELBOW 45°	12"-315 mm (MECHANICAL SDR17.6)
18002460	ELBOW 45°	6"-160 mm (MECHANICAL SDR17.6)
18002461	ELBOW 45°	14"-355 mm (POTABLE COLD SDR11)
18002462	ELBOW 45°	14"-355 mm (POTABLE HOT SDR9)
18002463	ELBOW 45°	14"-355 mm (MECHANICAL SDR9)
18002464	ELBOW 45°	14"-355 mm (MECHANICAL SDR11)
18002465	ELBOW 45°	14"-355 mm (MECHANICAL SDR17.6)
18002750	ELBOW 45°	16" - 400mm (POTABLE COLD SDR11)
18002751	ELBOW 45°	16" - 400mm (POTABLE HOT SDR9)
18002752	ELBOW 45°	16" - 400mm (MECHANICAL SDR9)
18002753	ELBOW 45°	16" - 400mm (MECHANICAL SDR11)
18002754	ELBOW 45°	16" - 400mm (MECHANICAL SDR17.6)
18002755	ELBOW 45°	18" - 450mm (POTABLE COLD SDR11)
18002756	ELBOW 45°	18" - 450mm (POTABLE HOT SDR9)
18002757	ELBOW 45°	18" - 450mm (MECHANICAL SDR9)
18002758	ELBOW 45°	18" - 450mm (MECHANICAL SDR11)
18002759	ELBOW 45°	18" - 450mm (MECHANICAL SDR17.6)
18002760	ELBOW 45°	20" - 500mm (POTABLE COLD SDR11)
18002761	ELBOW 45°	20" - 500mm (POTABLE HOT SDR9)
18002762	ELBOW 45°	20" - 500mm (MECHANICAL SDR9)
18002763	ELBOW 45°	20" - 500mm (MECHANICAL SDR11)
18002764	ELBOW 45°	20" - 500mm (MECHANICAL SDR17.6)
18002765	ELBOW 45°	24" - 630mm (POTABLE COLD SDR11)
18002766	ELBOW 45°	24" - 630mm (POTABLE HOT SDR9)
18002767	ELBOW 45°	24" - 630mm (MECHANICAL SDR9)
18002768	ELBOW 45°	24" - 630mm (MECHANICAL SDR11)
18002769	ELBOW 45°	24" - 630mm (MECHANICAL SDR17.6)

18000190	ELBOW 45° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR9)
18000191	ELBOW 45° (SHORT RADIUS)	8"-200 mm (POTABLE HOT SDR9)
18000192	ELBOW 45° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR11)
18000193	ELBOW 45° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR11)
18000194	ELBOW 45° (SHORT RADIUS)	6"-160 mm (POTABLE HOT SDR9)
18000195	ELBOW 45° (SHORT RADIUS)	8"-200 mm (POTABLE HOT SDR9)
18000196	ELBOW 45° (SHORT RADIUS)	6"-160 mm (POTABLE COLD SDR11)
18000197	ELBOW 45° (SHORT RADIUS)	8"-200 mm (POTABLE COLD SDR11)
18000198	ELBOW 45° (SHORT RADIUS)	8"-200 mm (MECHANICAL SDR17.6)
18000235	ELBOW 45° (SHORT RADIUS)	10"-250 mm (POTABLE COLD SDR11)
18000236	ELBOW 45° (SHORT RADIUS)	10"-250 mm (POTABLE HOT SDR9)
18000237	ELBOW 45° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR9)
18000238	ELBOW 45° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR11)
18000239	ELBOW 45° (SHORT RADIUS)	10"-250 mm (MECHANICAL SDR17.6)
18000244	ELBOW 45° (SHORT RADIUS)	12"-315 mm (POTABLE COLD SDR11)
18000245	ELBOW 45° (SHORT RADIUS)	12"-315 mm (POTABLE HOT SDR9)
18000246	ELBOW 45° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR9)
18000247	ELBOW 45° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR11)
18000248	ELBOW 45° (SHORT RADIUS)	12"-315 mm (MECHANICAL SDR17.6)
18002470	ELBOW 45° (SHORT RADIUS)	6"-160 mm (MECHANICAL SDR17.6)
18002471	ELBOW 45° (SHORT RADIUS)	14"-355 mm (POTABLE COLD SDR11)
18002472	ELBOW 45° (SHORT RADIUS)	14"-355 mm (POTABLE HOT SDR9)
18002473	ELBOW 45° (SHORT RADIUS)	14"-355 mm (MECHANICAL SDR9)
18002474	ELBOW 45° (SHORT RADIUS)	14"-355 mm (MECHANICAL SDR11)
18002475	ELBOW 45° (SHORT RADIUS)	14"-355 mm (MECHANICAL SDR17.6)
18002790	ELBOW 45° (SHORT RADIUS)	16" - 400mm (POTABLE COLD SDR11)
18002791	ELBOW 45° (SHORT RADIUS)	16" - 400mm (POTABLE HOT SDR9)
18002792	ELBOW 45° (SHORT RADIUS)	16" - 400mm (MECHANICAL SDR9)
18002793	ELBOW 45° (SHORT RADIUS)	16" - 400mm (MECHANICAL SDR11)
18002794	ELBOW 45° (SHORT RADIUS)	16" - 400mm (MECHANICAL SDR17.6)
18002795	ELBOW 45° (SHORT RADIUS)	18" - 450mm (POTABLE COLD SDR11)
18002796	ELBOW 45° (SHORT RADIUS)	18" - 450mm (POTABLE HOT SDR9)
18002797	ELBOW 45° (SHORT RADIUS)	18" - 450mm (MECHANICAL SDR9)
18002798	ELBOW 45° (SHORT RADIUS)	18" - 450mm (MECHANICAL SDR11)

18002799	ELBOW 45° (SHORT RADIUS)	18" - 450mm (MECHANICAL SDR17.6)
18002800	ELBOW 45° (SHORT RADIUS)	20" - 500mm (POTABLE COLD SDR11)
18002801	ELBOW 45° (SHORT RADIUS)	20" - 500mm (POTABLE HOT SDR9)
18002802	ELBOW 45° (SHORT RADIUS)	20" - 500mm (MECHANICAL SDR9)
18002803	ELBOW 45° (SHORT RADIUS)	20" - 500mm (MECHANICAL SDR11)
18002804	ELBOW 45° (SHORT RADIUS)	20" - 500mm (MECHANICAL SDR17.6)
18002805	ELBOW 45° (SHORT RADIUS)	24" - 630mm (POTABLE COLD SDR11)
18002806	ELBOW 45° (SHORT RADIUS)	24" - 630mm (POTABLE HOT SDR9)
18002807	ELBOW 45° (SHORT RADIUS)	24" - 630mm (MECHANICAL SDR9)
18002808	ELBOW 45° (SHORT RADIUS)	24" - 630mm (MECHANICAL SDR11)
18002809	ELBOW 45° (SHORT RADIUS)	24" - 630mm (MECHANICAL SDR17.6)

18000170	TEE	½"-20 mm
18000171	TEE	¾" -25 mm
18000172	TEE	1"-32 mm
18000173	TEE	1¼"-40 mm
18000174	TEE	1½"-50 mm
18000175	TEE	2"-63 mm
18000176	TEE	2½"-75 mm
18000177	TEE	3"-90 mm
18000179	TEE	4"-125 mm

18001200	TEE	6"-160 mm (MECHANICAL SDR9)
18001201	TEE	8"-200 mm (MECHANICAL SDR9)
18001202	TEE	6"-160 mm (MECHANICAL SDR11)
18001203	TEE	8"-200 mm (MECHANICAL SDR11)
18001204	TEE	6"-160 mm (POTABLE HOT SDR9)
18001205	TEE	8"-200 mm (POTABLE HOT SDR9)
18001206	TEE	6"-160 mm (POTABLE COLD SDR11)
18001207	TEE	8"-200 mm (POTABLE COLD SDR11)
18001208	TEE	8"-200 mm (MECHANICAL SDR17.6)
18001209	TEE	10"-250 mm (POTABLE HOT SDR9)
18001210	TEE	10"-250 mm (MECHANICAL SDR9)
18001211	TEE	10"-250 mm (MECHANICAL SDR11)
18001212	TEE	10"-250 mm (MECHANICAL SDR17.6)
18001213	TEE	12"-315 mm (POTABLE COLD SDR11)
18001214	TEE	12"-315 mm (POTABLE HOT SDR9)
18001215	TEE	12"-315 mm (MECHANICAL SDR9)
18001216	TEE	12"-315 mm (MECHANICAL SDR11)
18001217	TEE	12"-315 mm (MECHANICAL SDR17.6)
18001218	TEE	10"-250 mm (POTABLE COLD SDR11)
18001219	TEE	14"-355 mm (POTABLE COLD SDR11)
18001220	TEE	14"-355 mm (POTABLE HOT SDR9)
18001221	TEE	14"-355 mm (MECHANICAL SDR9)
18001222	TEE	14"-355 mm (MECHANICAL SDR11)
18001223	TEE	14"-355 mm (MECHANICAL SDR17.6)
18002480	TEE	6"-160 mm (MECHANICAL SDR17.6)
18002830	TEE	16" - 400mm (POTABLE COLD SDR11)
18002831	TEE	16" - 400mm (POTABLE HOT SDR9)
18002832	TEE	16" - 400mm (MECHANICAL SDR9)
18002833	TEE	16" - 400mm (MECHANICAL SDR11)
18002834	TEE	16" - 400mm (MECHANICAL SDR17.6)
18002835	TEE	18" - 450mm (POTABLE COLD SDR11)
18002836	TEE	18" - 450mm (POTABLE HOT SDR9)
18002837	TEE	18" - 450mm (MECHANICAL SDR9)
18002838	TEE	18" - 450mm (MECHANICAL SDR11)
18002839	TEE	18" - 450mm (MECHANICAL SDR17.6)
18002840	TEE	20" - 500mm (POTABLE COLD SDR11)
18002841	TEE	20" - 500mm (POTABLE HOT SDR9)
18002842	TEE	20" - 500mm (MECHANICAL SDR9)
18002843	TEE	20" - 500mm (MECHANICAL SDR11)
18002844	TEE	20" - 500mm (MECHANICAL SDR17.6)
18002845	TEE	24" - 630mm (POTABLE COLD SDR11)
18002846	TEE	24" - 630mm (POTABLE HOT SDR9)
18002847	TEE	24" - 630mm (MECHANICAL SDR9)
18002848	TEE	24" - 630mm (MECHANICAL SDR11)
18002849	TEE	24" - 630mm (MECHANICAL SDR17.6)

18000095	REDUCING TEE	12" x 12" x 10" - 315 x 315 x 250 mm (MECHANICAL SDR11)
18000096	REDUCING TEE	12" x 12" x 10" - 315 x 315 x 250 mm (MECHANICAL

		SDR17.6)
18000200	REDUCING TEE	1/2" x 1/2" x 3/4" - 20 x 20 x 25 mm
18000202	REDUCING TEE	3/4" x 3/4" x 1/2" - 25 x 25 x 20 mm
18000203	REDUCING TEE	1" x 1/2" x 1/2" -- 32 x 20 x 20 mm
18000204	REDUCING TEE	1" x 1" x 1/2"-32 x 32 x 20 mm
18000205	REDUCING TEE	1" x 3/4" x 3/4" - 32 x 25 x 25 mm
18000206	REDUCING TEE	1" x 1" x 3/4"-32 x 32 x 25 mm
18000207	REDUCING TEE	1 1/4" x 1 1/4" x 1/2"-40 x 40 x 20 mm
18000208	REDUCING TEE	1 1/4" x 1 1/4" x 3/4"-40 x 40 x 25 mm
18000209	REDUCING TEE	1 1/4" x 1 1/4" x 1"-40 x 40 x 32 mm
18000211	REDUCING TEE	1 1/2" x 1 1/2" x 3/4"-50 x 50 x 25 mm
18000212	REDUCING TEE	1 1/2" x 1 1/2" x 1"-50 x 50 x 32 mm
18000213	REDUCING TEE	1 1/2" x 1 1/2" x 1 1/4"-50 x 50 x 40 mm
18000215	REDUCING TEE	2" x 2" x 3/4" - 63 x 63 x 25 mm
18000216	REDUCING TEE	2" x 2" x 1"-63 x 63 x 32 mm
18000217	REDUCING TEE	2" x 2" x 1 1/4"-63 x 63 x 40 mm
18000218	REDUCING TEE	2" x 2" x 1 1/2"-63 x 63 x 50 mm
18000220	REDUCING TEE	2 1/2" x 2 1/2" x 3/4"-75 x 75 x 25mm
18000221	REDUCING TEE	2 1/2" x 2 1/2" x 1"-75 x 75 x 32 mm
18000222	REDUCING TEE	2 1/2" x 2 1/2" x 1 1/4"-75 x 75 x 40 mm
18000223	REDUCING TEE	2 1/2" x 2 1/2" x 1 1/2"-75 x 75 x 50 mm
18000224	REDUCING TEE	2 1/2" x 2 1/2" x 2"-75 x 75 x 63 mm
18000225	REDUCING TEE	3" x 3" x 1"-90 x 90 x 32 mm
18000226	REDUCING TEE	3" x 3" x 1 1/4" -90 x 90 x 40 mm
18000227	REDUCING TEE	3" x 3" x 1 1/2"- 90 x 90 x 50 mm
18000228	REDUCING TEE	3" x 3" x 2"-90 x 90 x 63 mm
18000229	REDUCING TEE	3" x 3" x 2 1/2"-90 x 90 x 75 mm
18000233	REDUCING TEE	4" x 4" x 2 1/2"-125 x 125 x 75 mm
18000234	REDUCING TEE	4" x 4" x 3"-125 x 125 x 90 mm

18000470	REDUCING TEE	6" x 6" x 2 1/2"-160 x 160 x 75 mm (MECHANICAL SDR9)
18000471	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (MECHANICAL SDR9)
18000472	REDUCING TEE	6" x 6" x 2 1/2"-160 x 160 x 75 mm (MECHANICAL SDR11)
18000473	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (MECHANICAL SDR11)
18000474	REDUCING TEE	6" x 6" x 2 1/2"-160 x 160 x 75 mm (POTABLE HOT SDR9)
18000475	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (POTABLE HOT SDR9)
18000476	REDUCING TEE	6" x 6" x 2 1/2"-160 x 160 x 75 mm (POTABLE COLD SDR11)
18000477	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (POTABLE COLD SDR11)
18002490	REDUCING TEE	6" x 6" x 2 1/2"-160 x 160 x 75 mm (MECHANICAL SDR17.6)
18002491	REDUCING TEE	6" x 6" x 3"-160 x 160 x 90 mm (MECHANICAL SDR17.6)
18000482	REDUCING TEE	8" x 8" x 2 1/2"-200 x 200 x 75 mm (POTABLE COLD SDR11)
18000481	REDUCING TEE	8" x 8" x 2 1/2"-200 x 200 x 75 mm (POTABLE HOT SDR9)
18000478	REDUCING TEE	8" x 8" x 2 1/2"-200 x 200 x 75 mm (MECHANICAL SDR9)
18000479	REDUCING TEE	8" x 8" x 2 1/2"-200 x 200 x 75 mm (MECHANICAL SDR11)
18000480	REDUCING TEE	8" x 8" x 2 1/2"-200 x 200 x 75 mm (MECHANICAL SDR17.6)
18000487	REDUCING TEE	8" x 8" x 3" - 200 x 200 x 90 mm (POTABLE COLD SDR11)
18000486	REDUCING TEE	8" x 8" x 3" - 200 x 200 x 90 mm (POTABLE HOT SDR9)
18000483	REDUCING TEE	8" x 8" x 3" - 200 x 200 x 90 mm (MECHANICAL SDR9)
18000484	REDUCING TEE	8" x 8" x 3" - 200 x 200 x 90 mm (MECHANICAL SDR11)
18000485	REDUCING TEE	8" x 8" x 3" - 200 x 200 x 90 mm (MECHANICAL SDR17.6)
18000492	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (POTABLE COLD SDR11)
18000491	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (POTABLE HOT SDR9)
18000488	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (MECHANICAL SDR9)
18000489	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (MECHANICAL SDR11)
18000490	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (MECHANICAL SDR17.6)
18000493	REDUCING TEE	10" x 10" x 2 1/2"-250 x 250 x 75 mm (POTABLE COLD SDR11)
18000494	REDUCING TEE	10" x 10" x 2 1/2"-250 x 250 x 75 mm (POTABLE HOT SDR9)
18000495	REDUCING TEE	10" x 10" x 2 1/2"-250 x 250 x 75 mm (MECHANICAL SDR9)
18000496	REDUCING TEE	10" x 10" x 2 1/2"-250 x 250 x 75 mm (MECHANICAL SDR11)
18000497	REDUCING TEE	10" x 10" x 2 1/2"-250 x 250 x 75 mm (MECHANICAL SDR17.6)
18000498	REDUCING TEE	10" x 10" x 3" - 250 x 250 x 90 mm (POTABLE COLD SDR11)
18000499	REDUCING TEE	10" x 10" x 3" - 250 x 250 x 90 mm (POTABLE HOT SDR9)
18000097	REDUCING TEE	10" x 10" x 3" - 250 x 250 x 90 mm (MECHANICAL SDR9)
18000098	REDUCING TEE	10" x 10" x 3" - 250 x 250 x 90 mm (MECHANICAL SDR11)
18000099	REDUCING TEE	10" x 10" x 3" - 250 x 250 x 90 mm (MECHANICAL SDR17.6)
18000103	REDUCING TEE	10" x 10" x 4" - 250 x 250 x 125 mm (POTABLE COLD SDR11)
18000104	REDUCING TEE	10" x 10" x 4" - 250 x 250 x 125 mm (POTABLE HOT SDR9)
18000149	REDUCING TEE	10" x 10" x 4" - 250 x 250 x 125 mm (MECHANICAL SDR9)
18000153	REDUCING TEE	10" x 10" x 4" - 250 x 250 x 125 mm (MECHANICAL SDR11)
18000154	REDUCING TEE	10" x 10" x 4" - 250 x 250 x 125 mm (MECHANICAL SDR17.6)
18000155	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (POTABLE COLD SDR11)
18000156	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (POTABLE HOT SDR9)
18000157	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (MECHANICAL SDR9)
18000158	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (MECHANICAL SDR11)
18000159	REDUCING TEE	12" x 12" x 3"-315 x 315 x 90 mm (MECHANICAL SDR17.6)
18000169	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (POTABLE COLD SDR11)
18000199	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (POTABLE HOT SDR9)
18000201	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (MECHANICAL SDR9)
18000210	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (MECHANICAL SDR11)
18000214	REDUCING TEE	12" x 12" x 4"-315 x 315 x 125 mm (MECHANICAL SDR17.6)
18000219	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (POTABLE COLD SDR11)
18000240	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (POTABLE HOT SDR9)

18000241	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (MECHANICAL SDR9)
18000242	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (MECHANICAL SDR11)
18000243	REDUCING TEE	12" x 12" x 6"-315 x 315 x 160 mm (MECHANICAL SDR17.6)
18001260	REDUCING TEE	14" x 14" x 3"-355 x 355 x 90 mm (POTABLE COLD SDR11)
18001261	REDUCING TEE	14" x 14" x 3"-355 x 355 x 90 mm (POTABLE HOT SDR9)
18001262	REDUCING TEE	14" x 14" x 3"-355 x 355 x 90 mm (MECHANICAL SDR9)
18001263	REDUCING TEE	14" x 14" x 3"-355 x 355 x 90 mm (MECHANICAL SDR11)
18001264	REDUCING TEE	14" x 14" x 3"-355 x 355 x 90 mm (MECHANICAL SDR17.6)
18001265	REDUCING TEE	14" x 14" x 4"-355 x 355 x 125 mm (POTABLE COLD SDR11)
18001266	REDUCING TEE	14" x 14" x 4"-355 x 355 x 125 mm (POTABLE HOT SDR9)
18001267	REDUCING TEE	14" x 14" x 4"-355 x 355 x 125 mm (MECHANICAL SDR9)
18001268	REDUCING TEE	14" x 14" x 4"-355 x 355 x 125 mm (MECHANICAL SDR11)
18001269	REDUCING TEE	14" x 14" x 4"-355 x 355 x 125 mm (MECHANICAL SDR17.6)
18001273	REDUCING TEE	14" x 14" x 6"-355 x 355 x 160 mm (POTABLE COLD SDR11)
18001274	REDUCING TEE	14" x 14" x 6"-355 x 355 x 160 mm (POTABLE HOT SDR9)
18001275	REDUCING TEE	14" x 14" x 6"-355 x 355 x 160 mm (MECHANICAL SDR9)
18001276	REDUCING TEE	14" x 14" x 6"-355 x 355 x 160 mm (MECHANICAL SDR11)
18001277	REDUCING TEE	14" x 14" x 6"-355 x 355 x 160 mm (MECHANICAL SDR17.6)
18001278	REDUCING TEE	14" x 14" x 8"-355 x 355 x 200 mm (POTABLE COLD SDR11)
18001279	REDUCING TEE	14" x 14" x 8"-355 x 355 x 200 mm (POTABLE HOT SDR9)
18001280	REDUCING TEE	14" x 14" x 8"-355 x 355 x 200 mm (MECHANICAL SDR9)
18001281	REDUCING TEE	14" x 14" x 8"-355 x 355 x 200 mm (MECHANICAL SDR11)
18001282	REDUCING TEE	14" x 14" x 8"-355 x 355 x 200 mm (MECHANICAL SDR17.6)
18002870	REDUCING TEE	16" x 16" x 4"-400 x 400 x 125 mm (POTABLE COLD SDR11)
18002871	REDUCING TEE	16" x 16" x 4"-400 x 400 x 125 mm (POTABLE HOT SDR9)
18002872	REDUCING TEE	16" x 16" x 4"-400 x 400 x 125 mm (MECHANICAL SDR9)
18002873	REDUCING TEE	16" x 16" x 4"-400 x 400 x 125 mm (MECHANICAL SDR11)
18002874	REDUCING TEE	16" x 16" x 4"-400 x 400 x 125 mm (MECHANICAL SDR17.6)
18002875	REDUCING TEE	16" x 16" x 6"-400 x 400 x 160 mm (POTABLE COLD SDR11)
18002876	REDUCING TEE	16" x 16" x 6"-400 x 400 x 160 mm (POTABLE HOT SDR9)
18002877	REDUCING TEE	16" x 16" x 6"-400 x 400 x 160 mm (MECHANICAL SDR9)
18002878	REDUCING TEE	16" x 16" x 6"-400 x 400 x 160 mm (MECHANICAL SDR11)
18002879	REDUCING TEE	16" x 16" x 6"-400 x 400 x 160 mm (MECHANICAL SDR17.6)
18002880	REDUCING TEE	16" x 16" x 8"-400 x 400 x 200 mm (POTABLE COLD SDR11)
18002881	REDUCING TEE	16" x 16" x 8"-400 x 400 x 200 mm (POTABLE HOT SDR9)
18002882	REDUCING TEE	16" x 16" x 8"-400 x 400 x 200 mm (MECHANICAL SDR9)
18002883	REDUCING TEE	16" x 16" x 8"-400 x 400 x 200 mm (MECHANICAL SDR11)
18002884	REDUCING TEE	16" x 16" x 8"-400 x 400 x 200 mm (MECHANICAL SDR17.6)
18002885	REDUCING TEE	16" x 16" x 10"-400 x 400 x 250 mm (POTABLE COLD SDR11)
18002886	REDUCING TEE	16" x 16" x 10"-400 x 400 x 250 mm (POTABLE HOT SDR9)
18002887	REDUCING TEE	16" x 16" x 10"-400 x 400 x 250 mm (MECHANICAL SDR9)
18002888	REDUCING TEE	16" x 16" x 10"-400 x 400 x 250 mm (MECHANICAL SDR11)
18002889	REDUCING TEE	16" x 16" x 10"-400 x 400 x 250 mm (MECHANICAL SDR17.6)
18002890	REDUCING TEE	18" x 18" x 4"-450 x 450 x 125 mm (POTABLE COLD SDR11)
18002891	REDUCING TEE	18" x 18" x 4"-450 x 450 x 125 mm (POTABLE HOT SDR9)
18002892	REDUCING TEE	18" x 18" x 4"-450 x 450 x 125 mm (MECHANICAL SDR9)
18002893	REDUCING TEE	18" x 18" x 4"-450 x 450 x 125 mm (MECHANICAL SDR11)
18002894	REDUCING TEE	18" x 18" x 4"-450 x 450 x 125 mm (MECHANICAL SDR17.6)
18002895	REDUCING TEE	18" x 18" x 6"-450 x 450 x 160 mm (POTABLE COLD SDR11)
18002896	REDUCING TEE	18" x 18" x 6"-450 x 450 x 160 mm (POTABLE HOT SDR9)
18002897	REDUCING TEE	18" x 18" x 6"-450 x 450 x 160 mm (MECHANICAL SDR9)
18002898	REDUCING TEE	18" x 18" x 6"-450 x 450 x 160 mm (MECHANICAL SDR11)
18002899	REDUCING TEE	18" x 18" x 6"-450 x 450 x 160 mm (MECHANICAL SDR17.6)
18002900	REDUCING TEE	18" x 18" x 8"-450 x 450 x 200 mm (POTABLE COLD SDR11)
18002901	REDUCING TEE	18" x 18" x 8"-450 x 450 x 200 mm (POTABLE HOT SDR9)
18002902	REDUCING TEE	18" x 18" x 8"-450 x 450 x 200 mm (MECHANICAL SDR9)
18002903	REDUCING TEE	18" x 18" x 8"-450 x 450 x 200 mm (MECHANICAL SDR11)
18002904	REDUCING TEE	18" x 18" x 8"-450 x 450 x 200 mm (MECHANICAL SDR17.6)
18002905	REDUCING TEE	18" x 18" x 10"-450 x 450 x 250 mm (POTABLE COLD SDR11)
18002906	REDUCING TEE	18" x 18" x 10"-450 x 450 x 250 mm (POTABLE HOT SDR9)
18002907	REDUCING TEE	18" x 18" x 10"-450 x 450 x 250 mm (MECHANICAL SDR9)
18002908	REDUCING TEE	18" x 18" x 10"-450 x 450 x 250 mm (MECHANICAL SDR11)
18002909	REDUCING TEE	18" x 18" x 10"-450 x 450 x 250 mm (MECHANICAL SDR17.6)
18002910	REDUCING TEE	18" x 18" x 12"-450 x 450 x 315 mm (POTABLE COLD SDR11)
18002911	REDUCING TEE	18" x 18" x 12"-450 x 450 x 315 mm (POTABLE HOT SDR9)
18002912	REDUCING TEE	18" x 18" x 12"-450 x 450 x 315 mm (MECHANICAL SDR9)
18002913	REDUCING TEE	18" x 18" x 12"-450 x 450 x 315 mm (MECHANICAL SDR11)

18002914	REDUCING TEE	18" x 18" x 12"-450 x 450 x 315 mm (MECHANICAL SDR17.6)
18000360	REDUCING TEE	10" x 10" x 6" - 250 x 250 x 160 mm (POTABLE COLD SDR11)
18000361	REDUCING TEE	10" x 10" x 6" - 250 x 250 x 160 mm (POTABLE HOT SDR9)
18000370	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (MECHANICAL SDR9)
18000371	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (MECHANICAL SDR9)
18000372	REDUCING TEE	8" x 8" x 6" - 200 x 200 x 160 mm (MECHANICAL SDR9)
18000373	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (MECHANICAL SDR11)
18000374	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (MECHANICAL SDR11)
18000375	REDUCING TEE	8" x 8" x 6" - 200 x 200 x 160 mm (MECHANICAL SDR11)
18000376	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (POTABLE HOT SDR9)
18000377	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (POTABLE HOT SDR9)
18000378	REDUCING TEE	8" x 8" x 6" - 200 x 200 x 160 mm (POTABLE HOT SDR9)
18000379	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (POTABLE COLD SDR11)
18000380	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (POTABLE COLD SDR11)
18000381	REDUCING TEE	8" x 8" x 6" - 200 x 200 x 160 mm (POTABLE COLD SDR11)
18000382	REDUCING TEE	8" x 8" x 4" - 200 x 200 x 125 mm (MECHANICAL SDR17.6)
18000383	REDUCING TEE	8" x 8" x 6" - 200 x 200 x 160 mm (MECHANICAL SDR17.6)
18000384	REDUCING TEE	10" x 10" x 6" - 250 x 250 x 160 mm (MECHANICAL SDR9)
18000385	REDUCING TEE	10" x 10" x 6" - 250 x 250 x 160 mm (MECHANICAL SDR11)
18000386	REDUCING TEE	10" x 10" x 6" - 250 x 250 x 160 mm (MECHANICAL SDR17.6)
18000387	REDUCING TEE	10" x 10" x 8" - 250 x 250 x 200 mm (POTABLE COLD SDR11)
18000388	REDUCING TEE	10" x 10" x 8" - 250 x 250 x 200 mm (POTABLE HOT SDR9)
18000389	REDUCING TEE	10" x 10" x 8" - 250 x 250 x 200 mm (MECHANICAL SDR9)
18000390	REDUCING TEE	10" x 10" x 8" - 250 x 250 x 200 mm (MECHANICAL SDR11)
18000391	REDUCING TEE	10" x 10" x 8" - 250 x 250 x 200 mm (MECHANICAL SDR17.6)
18000392	REDUCING TEE	12" x 12" x 8" - 315 x 315 x 200 mm (POTABLE COLD SDR11)
18000393	REDUCING TEE	12" x 12" x 8" - 315 x 315 x 200 mm (POTABLE HOT SDR9)
18000394	REDUCING TEE	12" x 12" x 8" - 315 x 315 x 200 mm (MECHANICAL SDR9)
18000395	REDUCING TEE	12" x 12" x 8" - 315 x 315 x 200 mm (MECHANICAL SDR11)
18000396	REDUCING TEE	12" x 12" x 8" - 315 x 315 x 200 mm (MECHANICAL SDR17.6)
18000397	REDUCING TEE	12" x 12" x 10" - 315 x 315 x 250 mm (POTABLE COLD SDR11)
18000398	REDUCING TEE	12" x 12" x 10" - 315 x 315 x 250 mm (POTABLE HOT SDR9)
18000399	REDUCING TEE	12" x 12" x 10" - 315 x 315 x 250 mm (MECHANICAL SDR9)
18001300	REDUCING TEE	14" x 14" x 8" - 355 x 355 x 200 mm (POTABLE COLD SDR11)
18001301	REDUCING TEE	14" x 14" x 8" - 355 x 355 x 200 mm (POTABLE HOT SDR9)
18001302	REDUCING TEE	14" x 14" x 8" - 355 x 355 x 200 mm (MECHANICAL SDR9)
18001303	REDUCING TEE	14" x 14" x 8" - 355 x 355 x 200 mm (MECHANICAL SDR11)
18001304	REDUCING TEE	14" x 14" x 8" - 355 x 355 x 200 mm (MECHANICAL SDR17.6)
18001305	REDUCING TEE	14" x 14" x 10" - 355 x 355 x 250 mm (POTABLE COLD SDR11)
18001306	REDUCING TEE	14" x 14" x 10" - 355 x 355 x 250 mm (POTABLE HOT SDR9)
18001307	REDUCING TEE	14" x 14" x 10" - 355 x 355 x 250 mm (MECHANICAL SDR9)
18001308	REDUCING TEE	14" x 14" x 10" - 355 x 355 x 250 mm (MECHANICAL SDR11)
18001309	REDUCING TEE	14" x 14" x 10" - 355 x 355 x 250 mm (MECHANICAL SDR17.6)
18001310	REDUCING TEE	14" x 14" x 12" - 355 x 355 x 315 mm (POTABLE COLD SDR11)
18001311	REDUCING TEE	14" x 14" x 12" - 355 x 355 x 315 mm (POTABLE HOT SDR9)
18001312	REDUCING TEE	14" x 14" x 12" - 355 x 355 x 315 mm (MECHANICAL SDR9)
18001313	REDUCING TEE	14" x 14" x 12" - 355 x 355 x 315 mm (MECHANICAL SDR11)
18001314	REDUCING TEE	14" x 14" x 12" - 355 x 355 x 315 mm (MECHANICAL SDR17.6)
18002500	REDUCING TEE	6" x 6" x 4"-160 x 160 x 125 mm (MECHANICAL 17.6)
18002930	REDUCING TEE	16" x 16" x 12" - 400 x 400 x 315mm (POTABLE COLD SDR11)
18002931	REDUCING TEE	16" x 16" x 12" - 400 x 400 x 315mm (POTABLE HOT SDR9)
18002932	REDUCING TEE	16" x 16" x 12" - 400 x 400 x 315mm (MECHANICAL SDR9)
18002933	REDUCING TEE	16" x 16" x 12" - 400 x 400 x 315mm (MECHANICAL SDR11)
18002934	REDUCING TEE	16" x 16" x 12" - 400 x 400 x 315mm (MECHANICAL SDR17.6)
18002935	REDUCING TEE	16" x 16" x 14" - 400 x 400 x 355mm (POTABLE COLD SDR11)
18002936	REDUCING TEE	16" x 16" x 14" - 400 x 400 x 355mm (POTABLE HOT SDR9)
18002937	REDUCING TEE	16" x 16" x 14" - 400 x 400 x 355mm (MECHANICAL SDR9)
18002938	REDUCING TEE	16" x 16" x 14" - 400 x 400 x 355mm (MECHANICAL SDR11)
18002939	REDUCING TEE	16" x 16" x 14" - 400 x 400 x 355mm (MECHANICAL SDR17.6)
18002940	REDUCING TEE	18" x 18" x 14" - 450 x 450 x 355mm (POTABLE COLD SDR11)
18002941	REDUCING TEE	18" x 18" x 14" - 450 x 450 x 355mm (POTABLE HOT SDR9)
18002942	REDUCING TEE	18" x 18" x 14" - 450 x 450 x 355mm (MECHANICAL SDR9)
18002943	REDUCING TEE	18" x 18" x 14" - 450 x 450 x 355mm (MECHANICAL SDR11)
18002944	REDUCING TEE	18" x 18" x 14" - 450 x 450 x 355mm (MECHANICAL SDR17.6)
18002945	REDUCING TEE	18" x 18" x 16" - 450 x 450 x 400mm (POTABLE COLD SDR11)
18002946	REDUCING TEE	18" x 18" x 16" - 450 x 450 x 400mm (POTABLE HOT SDR9)
18002947	REDUCING TEE	18" x 18" x 16" - 450 x 450 x 400mm (MECHANICAL SDR9)

18002948	REDUCING TEE	18" x 18" x 16" - 450 x 450 x 400mm (MECHANICAL SDR11)
18002949	REDUCING TEE	18" x 18" x 16" - 450 x 450 x 400mm (MECHANICAL SDR17.6)
18002950	REDUCING TEE	20" x 20" x 14" - 500 x 500 x 355mm (POTABLE COLD SDR11)
18002951	REDUCING TEE	20" x 20" x 14" - 500 x 500 x 355mm (POTABLE HOT SDR9)
18002952	REDUCING TEE	20" x 20" x 14" - 500 x 500 x 355mm (MECHANICAL SDR9)
18002953	REDUCING TEE	20" x 20" x 14" - 500 x 500 x 355mm (MECHANICAL SDR11)
18002954	REDUCING TEE	20" x 20" x 14" - 500 x 500 x 355mm (MECHANICAL SDR17.6)
18002955	REDUCING TEE	20" x 20" x 16" - 500 x 500 x 400mm (POTABLE COLD SDR11)
18002956	REDUCING TEE	20" x 20" x 16" - 500 x 500 x 400mm (POTABLE HOT SDR9)
18002957	REDUCING TEE	20" x 20" x 16" - 500 x 500 x 400mm (MECHANICAL SDR9)
18002958	REDUCING TEE	20" x 20" x 16" - 500 x 500 x 400mm (MECHANICAL SDR11)
18002959	REDUCING TEE	20" x 20" x 16" - 500 x 500 x 400mm (MECHANICAL SDR17.6)
18002960	REDUCING TEE	20" x 20" x 18" - 500 x 500 x 450mm (POTABLE COLD SDR11)
18002961	REDUCING TEE	20" x 20" x 18" - 500 x 500 x 450mm (POTABLE HOT SDR9)
18002962	REDUCING TEE	20" x 20" x 18" - 500 x 500 x 450mm (MECHANICAL SDR9)
18002963	REDUCING TEE	20" x 20" x 18" - 500 x 500 x 450mm (MECHANICAL SDR11)
18002964	REDUCING TEE	20" x 20" x 18" - 500 x 500 x 450mm (MECHANICAL SDR17.6)
18002965	REDUCING TEE	22" x 22" x 16" - 560 x 560 x 400mm (POTABLE COLD SDR11)
18002966	REDUCING TEE	22" x 22" x 16" - 560 x 560 x 400mm (POTABLE HOT SDR9)
18002967	REDUCING TEE	22" x 22" x 16" - 560 x 560 x 400mm (MECHANICAL SDR9)
18002968	REDUCING TEE	22" x 22" x 16" - 560 x 560 x 400mm (MECHANICAL SDR11)
18002969	REDUCING TEE	22" x 22" x 16" - 560 x 560 x 400mm (MECHANICAL SDR17.6)
18002970	REDUCING TEE	22" x 22" x 18" - 560 x 560 x 450mm (POTABLE COLD SDR11)
18002971	REDUCING TEE	22" x 22" x 18" - 560 x 560 x 450mm (POTABLE HOT SDR9)
18002972	REDUCING TEE	22" x 22" x 18" - 560 x 560 x 450mm (MECHANICAL SDR9)
18002973	REDUCING TEE	22" x 22" x 18" - 560 x 560 x 450mm (MECHANICAL SDR11)
18002974	REDUCING TEE	22" x 22" x 18" - 560 x 560 x 450mm (MECHANICAL SDR17.6)
18002975	REDUCING TEE	22" x 22" x 20" - 560 x 560 x 500mm (POTABLE COLD SDR11)
18002976	REDUCING TEE	22" x 22" x 20" - 560 x 560 x 500mm (POTABLE HOT SDR9)
18002977	REDUCING TEE	22" x 22" x 20" - 560 x 560 x 500mm (MECHANICAL SDR9)
18002978	REDUCING TEE	22" x 22" x 20" - 560 x 560 x 500mm (MECHANICAL SDR11)
18002979	REDUCING TEE	22" x 22" x 20" - 560 x 560 x 500mm (MECHANICAL SDR17.6)
18002980	REDUCING TEE	24" x 24" x 16" - 630 x 630 x 400mm (POTABLE COLD SDR11)
18002981	REDUCING TEE	24" x 24" x 16" - 630 x 630 x 400mm (POTABLE HOT SDR9)
18002982	REDUCING TEE	24" x 24" x 16" - 630 x 630 x 400mm (MECHANICAL SDR9)
18002986	REDUCING TEE	24" x 24" x 18" - 630 x 630 x 450mm (POTABLE HOT SDR9)
18002987	REDUCING TEE	24" x 24" x 18" - 630 x 630 x 450mm (MECHANICAL SDR9)
18002988	REDUCING TEE	24" x 24" x 18" - 630 x 630 x 450mm (MECHANICAL SDR11)
18002989	REDUCING TEE	24" x 24" x 18" - 630 x 630 x 450mm (MECHANICAL SDR17.6)
18002990	REDUCING TEE	24" x 24" x 20" - 630 x 630 x 500mm (POTABLE COLD SDR11)
18002991	REDUCING TEE	24" x 24" x 20" - 630 x 630 x 500mm (POTABLE HOT SDR9)
18002992	REDUCING TEE	24" x 24" x 20" - 630 x 630 x 500mm (MECHANICAL SDR9)
18002993	REDUCING TEE	24" x 24" x 20" - 630 x 630 x 500mm (MECHANICAL SDR11)
18002994	REDUCING TEE	24" x 24" x 20" - 630 x 630 x 500mm (MECHANICAL SDR17.6)
18002995	REDUCING TEE	24" x 24" x 22" - 630 x 630 x 560mm (POTABLE COLD SDR11)
18002996	REDUCING TEE	24" x 24" x 22" - 630 x 630 x 560mm (POTABLE HOT SDR9)
18002997	REDUCING TEE	24" x 24" x 22" - 630 x 630 x 560mm (MECHANICAL SDR9)
18002998	REDUCING TEE	24" x 24" x 22" - 630 x 630 x 560mm (MECHANICAL SDR11)
18002999	REDUCING TEE	24" x 24" x 22" - 630 x 630 x 560mm (MECHANICAL SDR17.6)

18000093	TEE WYE	12"-315 mm (MECHANICAL SDR11)
18000094	TEE WYE	12"-315 mm (MECHANICAL SDR17.6)
18001179	TEE WYE	10"-250 mm (POTABLE COLD SDR11)
18001180	TEE WYE	4"-125 mm (MECHANICAL SDR9)
18001181	TEE WYE	6"-160 mm (MECHANICAL SDR9)
18001182	TEE WYE	8"-200 mm (MECHANICAL SDR9)
18001183	TEE WYE	4"-125 mm (MECHANICAL SDR11)
18001184	TEE WYE	6"-160 mm (MECHANICAL SDR11)
18001185	TEE WYE	8"-200 mm (MECHANICAL SDR11)

18001186	TEE WYE	4"-125 mm (POTABLE HOT SDR9)
18001187	TEE WYE	6"-160 mm (POTABLE HOT SDR9)
18001188	TEE WYE	8"-200 mm (POTABLE HOT SDR9)
18001189	TEE WYE	4"-125 mm (POTABLE COLD SDR11)
18001190	TEE WYE	6"-160 mm (POTABLE COLD SDR11)
18001191	TEE WYE	8"-200 mm (POTABLE COLD SDR11)
18001192	TEE WYE	8"-200 mm (MECHANICAL SDR17.6)
18001193	TEE WYE	10"-250 mm (POTABLE HOT SDR9)
18001194	TEE WYE	10"-250 mm (MECHANICAL SDR9)
18001195	TEE WYE	10"-250 mm (MECHANICAL SDR11)
18001196	TEE WYE	10"-250 mm (MECHANICAL SDR17.6)
18001197	TEE WYE	12"-315 mm (POTABLE COLD SDR11)
18001198	TEE WYE	12"-315 mm (POTABLE HOT SDR9)
18001199	TEE WYE	12"-315 mm (MECHANICAL SDR9)
18002510	TEE WYE	6"-160 mm (MECHANICAL 17.6)
18002511	TEE WYE	4"-125 mm (MECHANICAL SDR17.6)

18000092	END CAP	12"-315 mm SDR17.6
18000250	END CAP	½"-20 mm
18000251	END CAP	¾" -25 mm
18000252	END CAP	1"-32 mm
18000253	END CAP	1¼"-40 mm
18000254	END CAP	1½"-50 mm
18000255	END CAP	2"-63 mm
18000256	END CAP	2½"-75 mm
18000257	END CAP	3"-90 mm
18000259	END CAP	4"-125 mm
18000260	END CAP	6"-160 mm SDR9
18000261	END CAP	6"-160 mm SDR11
18000262	END CAP	8"-200 mm SDR9
18000263	END CAP	8"-200 mm SDR11
18000264	END CAP	8"-200 mm SDR17.6
18000265	END CAP	10"-250 mm SDR9
18000266	END CAP	10"-250 mm SDR11
18000267	END CAP	10"-250 mm SDR17.6
18000268	END CAP	12"-315 mm SDR9
18000269	END CAP	12"-315 mm SDR11
18002517	END CAP	14"-355 mm SDR9
18002518	END CAP	14"-355 mm SDR11
18002519	END CAP	14"-355 mm SDR17.6
18002520	END CAP	6"-160 mm SDR17.6
18003050	END CAP	16"-400mm SDR9
18003051	END CAP	16"-400mm SDR11
18003052	END CAP	16"-400mm SDR17.6
18003053	END CAP	18"-450mm SDR9
18003054	END CAP	18"-450mm SDR11
18003055	END CAP	18"-450mm SDR17.6
18003056	END CAP	20"-500mm SDR9
18003057	END CAP	20"-500mm SDR11
18003058	END CAP	20"-500mm SDR17.6
18003059	END CAP	22"-560mm SDR9
18003060	END CAP	22"-560mm SDR11
18003061	END CAP	22"-560mm SDR17.6
18003062	END CAP	24"-630mm SDR9
18003063	END CAP	24"-630mm SDR11
18003064	END CAP	24"-630mm SDR17.6

18000270	SADDLE (for outlet fusion)	1¼" x ½" - 40 x 20 mm
18000271	SADDLE (for outlet fusion)	1¼" x ¾" - 40 x 25 mm
18000272	SADDLE (for outlet fusion)	1½" x ½" - 50 x 20 mm
18000273	SADDLE (for outlet fusion)	1½" x ¾" - 50 x 25 mm
18000274	SADDLE (for outlet fusion)	2" x ½" - 63 x 20 mm
18000275	SADDLE (for outlet fusion)	2" x ¾" - 63 x 25 mm
18000276	SADDLE (for outlet fusion)	2" x 1" - 63 x 32 mm
18000277	SADDLE (for outlet fusion)	2½" x ½" - 75 x 20 mm
18000278	SADDLE (for outlet fusion)	2½" x ¾" - 75 x 25 mm
18000279	SADDLE (for outlet fusion)	2½" x 1" - 75 x 32 mm
18000280	SADDLE (for outlet fusion)	2½" x 1¼" - 75 x 40 mm
18000281	SADDLE (for outlet fusion)	3" x ½" - 90 x 20 mm
18000282	SADDLE (for outlet fusion)	3" x ¾" - 90 x 25 mm
18000283	SADDLE (for outlet fusion)	3" x 1" - 90 x 32 mm
18000284	SADDLE (for outlet fusion)	3" x 1¼" - 90 x 40 mm
18000290	SADDLE (for outlet fusion)	4" x ½" - 125 x 20 mm

18000291	SADDLE (for outlet fusion)	4" x ¾" - 125 x 25 mm
18000292	SADDLE (for outlet fusion)	4" x 1" - 125 x 32 mm
18000293	SADDLE (for outlet fusion)	4" x 1¼" - 125 x 40 mm
18000294	SADDLE (for outlet fusion)	4" x 1½" - 125 x 50 mm
18000295	SADDLE (for outlet fusion)	4" x 2" - 125 x 63 mm
18000296	SADDLE (for outlet fusion)	6" x ½" - 160 x 20 mm
18000297	SADDLE (for outlet fusion)	6" x ¾" - 160 x 25 mm
18000298	SADDLE (for outlet fusion)	6" x 1" - 160 x 32 mm
18000299	SADDLE (for outlet fusion)	6" x 1¼" - 160 x 40 mm
18000300	SADDLE (for outlet fusion)	6" x 1½" - 160 x 50 mm
18000301	SADDLE (for outlet fusion)	6" x 2" - 160 x 63 mm
18000302	SADDLE (for outlet fusion)	6" x 2½" - 160 x 75 mm
18000303	SADDLE (for outlet fusion)	6" x 3" - 160 x 90 mm
18000304	SADDLE (for outlet fusion)	8" x ½" - 200 x 20 mm
18000305	SADDLE (for outlet fusion)	8" x ¾" - 200 x 25 mm
18000306	SADDLE (for outlet fusion)	8" x 1" - 200 x 32 mm
18000307	SADDLE (for outlet fusion)	8" x 1¼" - 200 x 40 mm
18000308	SADDLE (for outlet fusion)	8" x 1½" - 200 x 50 mm
18000309	SADDLE (for outlet fusion)	8" x 2" - 200 x 63 mm
18000310	SADDLE (for outlet fusion)	8" x 2½" - 200 x 75 mm
18000311	SADDLE (for outlet fusion)	8" x 3" - 200 x 90 mm
18000312	SADDLE (for outlet fusion)	8" x 4" - 200 x 125 mm
18000313	SADDLE (for outlet fusion)	10" x ½" - 250 x 20 mm
18000314	SADDLE (for outlet fusion)	10" x ¾" - 250 x 25 mm
18000315	SADDLE (for outlet fusion)	10" x 1" - 250 x 32 mm
18000316	SADDLE (for outlet fusion)	10" x 1¼" - 250 x 40 mm
18000317	SADDLE (for outlet fusion)	10" x 1½" - 250 x 50 mm
18000318	SADDLE (for outlet fusion)	10" x 2" - 250 x 63 mm
18000319	SADDLE (for outlet fusion)	10" x 2½" - 250 x 75 mm
18000321	SADDLE (for outlet fusion)	10" x 4" - 250 x 125 mm
18000322	SADDLE (for outlet fusion)	12" x 2" - 315 x 63 mm
18000323	SADDLE (for outlet fusion)	12" x 2½" - 315 x 75 mm
18000324	SADDLE (for outlet fusion)	12" x 3" - 315 x 90 mm
18000325	SADDLE (for outlet fusion)	12" x 4" - 315 x 125 mm
18000326	SADDLE (for outlet fusion)	12" x 6" - 315 x 160 mm
18000327	SADDLE (for outlet fusion)	10" x 3" - 250 x 90 mm
18002560	SADDLE (for outlet fusion)	14" x 2" - 355 x 63 mm
18002561	SADDLE (for outlet fusion)	14" x 2½" - 355 x 75 mm
18002562	SADDLE (for outlet fusion)	14" x 3" - 355 x 90 mm
18002563	SADDLE (for outlet fusion)	14" x 4" - 355 x 125 mm
18002564	SADDLE (for outlet fusion)	14" x 6" - 355 x 160 mm
18002565	SADDLE (for outlet fusion)	14" x 8" - 355 x 200 mm
18002566	SADDLE (for outlet fusion)	16" to 24" x 2" - 400 to 630 x 63 mm
18002567	SADDLE (for outlet fusion)	16" to 20" x 2½" - 400 to 500 x 75 mm
18002568	SADDLE (for outlet fusion)	16" to 20" x 3" - 400 to 500 x 90 mm
18002569	SADDLE (for outlet fusion)	16" x 4" - 400 x 125 mm
18002570	SADDLE (for outlet fusion)	18" to 20" x 4" - 450 to 500 x 125 mm
18002571	SADDLE (for outlet fusion)	22" to 24" x 2½" - 560 to 630 x 75 mm
18002572	SADDLE (for outlet fusion)	22" to 24" x 3" - 560 to 630 x 90 mm
18002573	SADDLE (for outlet fusion)	22" to 24" x 4" - 560 to 630 x 125 mm
18002574	SADDLE	6" x 4" - 160 x 125 mm

18000930	CROSS	(½"-20 mm) x (½"-20 mm) x (½"-20mm) x (½"-20 mm)
18000931	CROSS	(¾"-25 mm) x (¾"-25 mm) x (¾"-25 mm) x (¾"-25 mm)

18000950	3 WAY ELBOW	(½" - 20 mm) x (½" - 20 mm) x (½" - 20 mm)
18000951	3 WAY ELBOW	(¾" - 25 mm) x (¾" - 25 mm) x (¾" - 25 mm)

18001070	CROSS OVER (molded)	(½" - 20 mm) x (½" - 20 mm)
18001071	CROSS OVER (molded)	(¾" - 25 mm) x (¾" - 25 mm)
18001072	CROSS OVER (molded)	(1" - 32 mm) x (1" - 32 mm)

18000850	CROSS OVER	1/2" - 20mm
18000851	CROSS OVER	3/4" - 25mm
18000852	CROSS OVER	1"-32mm

**SCREW NUTS, FLANGE ADAPTORS AND RINGS**

Part-No (CODE):	Item Description	Dimension N.D-O.D
18000350	PPR-CT NUT	½"-20 mm
18000351	PPR-CT NUT	¾" -25 mm



18000352	PPR-CT NUT	1"-32 mm
18000353	PPR-CT NUT	1¼"-40 mm
18000354	PPR-CT NUT	1½"-50 mm
18000355	PPR-CT NUT	2"-63 mm

18000790	PLASTIC - PLASTIC NUT CONNECTOR	1/2" - 20mm
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18000320	FLANGE ADAPTER	12"-315 mm SDR17.6
18000330	FLANGE ADAPTER	1" - 32 mm
18000331	FLANGE ADAPTER	1¼" - 40 mm
18000332	FLANGE ADAPTER	1½" - 50 mm
18000333	FLANGE ADAPTER	2" - 63 mm
18000334	FLANGE ADAPTER	2½" - 75 mm
18000335	FLANGE ADAPTER	3" - 90 mm
18000336	FLANGE ADAPTER	14"-355 mm SDR17.6
18000337	FLANGE ADAPTER	4" - 125 mm (NOT FOR BAL. VALV)
18000338	FLANGE ADAPTER	BUTT WELDING 4" - 125 mm
18000339	FLANGE ADAPTER	BUTT WELDING 6" - 125 mm
18000340	FLANGE ADAPTER	6" - 160 mm SDR9
18000341	FLANGE ADAPTER	6" - 160 mm SDR11
18000342	FLANGE ADAPTER	8"-200 mm SDR9
18000343	FLANGE ADAPTER	8"-200 mm SDR11
18000344	FLANGE ADAPTER	8"-200 mm SDR17.6
18000345	FLANGE ADAPTER	10"-250 mm SDR9
18000346	FLANGE ADAPTER	10"-250 mm SDR11
18000347	FLANGE ADAPTER	10"-250 mm SDR17.6
18000348	FLANGE ADAPTER	12"-315 mm SDR9
18000349	FLANGE ADAPTER	12"-315 mm SDR11
18000339	FLANGE ADAPTER	14"-355 mm SDR9
18002530	FLANGE ADAPTER	4" - 125 mm SDR11 (Butt Fused or Socket Fused w/ Coupling)
18002531	FLANGE ADAPTER	4" - 125 mm SDR17.6 (Butt Fused or Socket Fused w/ Coupling)
18002540	FLANGE ADAPTER	6"-160 mm SDR17.6
18002590	FLANGE ADAPTER	16"-400mm SDR9
18002591	FLANGE ADAPTER	16"-400mm SDR11
18002592	FLANGE ADAPTER	16"-400mm SDR17.6
18002593	FLANGE ADAPTER	18"-450mm SDR9
18002594	FLANGE ADAPTER	18"-450mm SDR11
18002595	FLANGE ADAPTER	18"-450mm SDR17.6
18002596	FLANGE ADAPTER	20"-500mm SDR9
18002597	FLANGE ADAPTER	20"-500mm SDR11
18002598	FLANGE ADAPTER	20"-500mm SDR17.6
18002599	FLANGE ADAPTER	22"-560mm SDR9
18002600	FLANGE ADAPTER	22"-560mm SDR11
18002601	FLANGE ADAPTER	22"-560mm SDR17.6
18002602	FLANGE ADAPTER	24"-630mm SDR9
18002603	FLANGE ADAPTER	24"-630mm SDR11

18002532	BEVELED FLANGE ADAPTER	2½" - 75 mm SDR9
18002533	BEVELED FLANGE ADAPTER	3" - 90 mm SDR9
18002534	BEVELED FLANGE ADAPTER	4" - 125 mm SDR9
18002535	BEVELED FLANGE ADAPTER	1" - 32 mm SDR11
18002536	BEVELED FLANGE ADAPTER	1¼" - 40 mm SDR11
18002537	BEVELED FLANGE ADAPTER	1½" - 50 mm SDR11
18002538	BEVELED FLANGE ADAPTER	2" - 63 mm SDR11
18002539	BEVELED FLANGE ADAPTER	2½" - 75 mm SDR11
18002575	BEVELED FLANGE ADAPTER	3" - 90 mm SDR11

**TRANSITION FITTINGS**

Part-No (CODE):	Item Description	Dimension N.D-O.D
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18000450	TRANSITION PIECE (round female threads)	(½" - 20 mm) x ½"Female NPT
18000451	TRANSITION PIECE (round female threads)	(½" - 20 mm) x ¾"Female NPT
18000452	TRANSITION PIECE (round female threads)	(¾" - 25 mm) x ½"Female NPT
18000453	TRANSITION PIECE (round female threads)	(¾" - 25 mm) x ¾"Female NPT
18000454	TRANSITION PIECE (round female threads)	(1" - 32 mm) x ¾"Female NPT

18000520	TRANSITION PIECE Lead-Free (round female threads)	(½" - 20 mm) x ½"Female NPT (lead-free)
18000521	TRANSITION PIECE Lead-Free (round female threads)	(½" - 20 mm) x ¾"Female NPT (lead-free)
18000522	TRANSITION PIECE Lead-Free (round female threads)	(¾" - 25 mm) x ½"Female NPT (lead-free)
18000523	TRANSITION PIECE Lead-Free (round female threads)	(¾" - 25 mm) x ¾"Female NPT (lead-free)
18000524	TRANSITION PIECE Lead-Free (round female threads)	(1" - 32 mm) x ¾"Female NPT (lead-free)
18000525	TRANSITION PIECE Lead-Free (round female threads)	(1" - 32 mm) x 1" Female NPT (lead-free)
18000526	TRANSITION PIECE Lead-Free (round female threads)	(1¼" - 40 mm) x 1" Female NPT (lead-free)

18000527	TRANSITION PIECE Lead-Free (round female threads)	(1¼" - 40 mm) x 1¼"Female NPT (lead-free)
18000528	TRANSITION PIECE Lead-Free (round female threads)	(1½" - 50 mm) x 1½"Female NPT (lead-free)
18000529	TRANSITION PIECE Lead-Free (round female threads)	(2" - 63 mm) x 2" Female NPT (lead-free)

18000500	TRANSITION PIECE (HEX female thread)	(½" - 20 mm) x ½"Female NPT HEX
18000501	TRANSITION PIECE (HEX female thread)	(¾" - 25 mm) x ½"Female NPT HEX
18000502	TRANSITION PIECE (HEX female thread)	(¾" - 25 mm) x ¾"Female NPT HEX
18000503	TRANSITION PIECE (HEX female thread)	(1" - 32 mm) x ¾"Female NPT HEX
18000504	TRANSITION PIECE (HEX female thread)	(1" - 32 mm) x 1" Female NPT HEX
18000505	TRANSITION PIECE (HEX female thread)	(1¼" - 40 mm) x 1" Female NPT HEX
18000506	TRANSITION PIECE (HEX female thread)	(1¼" - 40 mm) x 1¼"Female NPT HEX
18000507	TRANSITION PIECE (HEX female thread)	(1½" - 50 mm) x 1½"Female NPT HEX
18000508	TRANSITION PIECE (HEX female thread)	(2" - 63 mm) x 2" Female NPT HEX

18000610	TRANSITION PIECE Lead-Free (HEX female thread)	(½" - 20 mm) x ½"Female NPT HEX (lead-free)
18000611	TRANSITION PIECE Lead-Free (HEX female thread)	(¾" - 25 mm) x ½"Female NPT HEX (lead-free)
18000612	TRANSITION PIECE Lead-Free (HEX female thread)	(¾" - 25 mm) x ¾"Female NPT HEX (lead-free)
18000613	TRANSITION PIECE Lead-Free (HEX female thread)	(1" - 32 mm) x ¾"Female NPT HEX (lead-free)
18000614	TRANSITION PIECE Lead-Free (HEX female thread)	(1" - 32 mm) x 1" Female NPT HEX (lead-free)
18000615	TRANSITION PIECE Lead-Free (HEX female thread)	(1¼" - 40 mm) x 1" Female NPT HEX (lead-free)
18000616	TRANSITION PIECE Lead-Free (HEX female thread)	(1¼" - 40 mm) x 1¼"Female NPT HEX (lead-free)
18000617	TRANSITION PIECE Lead-Free (HEX female thread)	(1½" - 50 mm) x 1½"Female NPT HEX (lead-free)
18000618	TRANSITION PIECE Lead-Free (HEX female thread)	(2" - 63 mm) x 2" Female NPT HEX (lead-free)

18000530	TRANSITION PIECE (round male thread)	(½" - 20 mm) x ½" Male NPT
18000531	TRANSITION PIECE (round male thread)	(¾" - 25 mm) x ½" Male NPT
18000532	TRANSITION PIECE (round male thread)	(¾" - 25 mm) x ¾" Male NPT
18000533	TRANSITION PIECE (round male thread)	(1" - 32 mm) x ¾" Male NPT

18000540	TRANSITION PIECE Lead-Free (round male thread)	(½" - 20 mm) x ½" Male NPT (lead-free)
18000541	TRANSITION PIECE Lead-Free (round male thread)	(¾" - 25 mm) x ½" Male NPT (lead-free)
18000542	TRANSITION PIECE Lead-Free (round male thread)	(¾" - 25 mm) x ¾" Male NPT (lead-free)
18000543	TRANSITION PIECE Lead-Free (round male thread)	(1" - 32 mm) x ¾" Male NPT (lead-free)
18000544	TRANSITION PIECE Lead-Free (round male thread)	(1"-32 mm) x 1" Male NPT (lead-free)
18000545	TRANSITION PIECE Lead-Free (round male thread)	(1¼"- 40 mm) x 1¼" Male NPT (lead-free)
18000546	TRANSITION PIECE Lead-Free (round male thread)	(1½"- 50 mm) x 1½" Male NPT (lead-free)
18000547	TRANSITION PIECE Lead-Free (round male thread)	(2" - 63 mm) x 2" Male NPT (lead-free)

18000550	TRANSITION PIECE (HEX male thread)	(½" - 20 mm) x ½" Male NPT HEX
18000551	TRANSITION PIECE (HEX male thread)	(¾" - 25 mm) x ¾" Male NPT HEX
18000552	TRANSITION PIECE (HEX male thread)	(1"-32 mm) x 1" Male NPT HEX
18000554	TRANSITION PIECE (HEX male thread)	(1¼"- 40 mm) x 1¼" Male NPT HEX
18000555	TRANSITION PIECE (HEX male thread)	(1½"- 50 mm) x 1½" Male NPT HEX
18000556	TRANSITION PIECE (HEX male thread)	(2" - 63 mm) x 2" Male NPT HEX

18001230	TRANSITION PIECE Lead-Free (HEX male thread)	(½" - 20 mm) x ½" Male NPT HEX (lead-free)
18001231	TRANSITION PIECE Lead-Free (HEX male thread)	(¾" - 25 mm) x ¾" Male NPT HEX (lead-free)
18001232	TRANSITION PIECE Lead-Free (HEX male thread)	(1"-32 mm) x 1" Male NPT HEX (lead-free)
18001233	TRANSITION PIECE Lead-Free (HEX male thread)	(1¼"- 40 mm) x 1¼" Male NPT HEX (lead-free)
18001234	TRANSITION PIECE Lead-Free (HEX male thread)	(1½"- 50 mm) x 1½" Male NPT HEX (lead-free)
18001235	TRANSITION PIECE Lead-Free (HEX male thread)	(2" - 63 mm) x 2" Male NPT HEX (lead-free)

18000570	TRANSITION ELBOW (female thread)	(½" - 20 mm) x ½" Female NPT
18000571	TRANSITION ELBOW (female thread)	(¾" - 25 mm) x ¾" Female NPT
18000572	TRANSITION ELBOW (female thread)	(¾" - 25 mm) x ½" Female NPT
18000574	TRANSITION ELBOW (female thread)	(1" - 32 mm) x 1" Female NPT

18001250	TRANSITION ELBOW Lead-Free (female)	(½" - 20 mm) x ½" Female NPT (lead-free)
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	thread)	
18001251	TRANSITION ELBOW Lead-Free (female thread)	( $\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Female NPT (lead-free)
18001252	TRANSITION ELBOW Lead-Free (female thread)	( $\frac{3}{4}$ " - 25 mm) x $\frac{1}{2}$ " Female NPT (lead-free)
18001253	TRANSITION ELBOW Lead-Free (female thread)	(1" - 32 mm) x 1" Female NPT (lead-free)

18000590	TRANSITION ELBOW (male thread)	( $\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ " Male NPT
18000591	TRANSITION ELBOW (male thread)	( $\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Male NPT
18000592	TRANSITION ELBOW (male thread)	(1" - 32 mm) x 1" Male NPT

18001270	TRANSITION ELBOW Lead-Free (male thread)	( $\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ " Male NPT (lead-free)
18001271	TRANSITION ELBOW Lead-Free (male thread)	( $\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ " Male NPT (lead-free)
18001272	TRANSITION ELBOW Lead-Free (male thread)	(1" - 32 mm) x 1" Male NPT (lead-free)

18000630	TRANSITION TEE (female tread)	( $\frac{1}{2}$ " - 20 mm) x ( $\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ "Female NPT
18000631	TRANSITION TEE (female tread)	( $\frac{3}{4}$ " - 25 mm) x ( $\frac{3}{4}$ " - 25 mm) x $\frac{1}{2}$ "Female NPT
18000632	TRANSITION TEE (female tread)	( $\frac{3}{4}$ " - 25 mm) x ( $\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ "Female NPT

18001290	TRANSITION TEE Lead-Free (female tread)	( $\frac{1}{2}$ " - 20 mm) x ( $\frac{1}{2}$ " - 20 mm) x $\frac{1}{2}$ "Female NPT (lead-free)
18001291	TRANSITION TEE Lead-Free (female tread)	( $\frac{3}{4}$ " - 25 mm) x ( $\frac{3}{4}$ " - 25 mm) x $\frac{1}{2}$ "Female NPT (lead-free)
18001292	TRANSITION TEE Lead-Free (female tread)	( $\frac{3}{4}$ " - 25 mm) x ( $\frac{3}{4}$ " - 25 mm) x $\frac{3}{4}$ "Female NPT (lead-free)

Part-No (CODE):	Item Description	Dimension N.D-O.D
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18000650	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	( $1\frac{1}{2}$ " / $\frac{3}{4}$ " - 50 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000651	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(2" / $\frac{3}{4}$ " - 63 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000652	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	( $2\frac{1}{2}$ " / $\frac{3}{4}$ " - 75 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000653	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(3" / $\frac{3}{4}$ " - 90 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000654	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(4" / $\frac{3}{4}$ " - 125 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000655	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	( $1\frac{1}{2}$ " / $\frac{3}{4}$ " - 50 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000656	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(2" / $\frac{3}{4}$ " - 63 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000657	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	( $2\frac{1}{2}$ " / $\frac{3}{4}$ " - 75 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000658	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(3" / $\frac{3}{4}$ " - 90 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000659	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(4" / $\frac{3}{4}$ " - 125 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000660	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	( $2\frac{1}{2}$ " / 1" - 75 / 32 mm) x 1"Female NPT HEX
18000661	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(3" / 1" - 90 / 32 mm) x 1"Female NPT HEX
18000662	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(4" / 1" - 125 / 32 mm) x 1"Female NPT HEX
18000663	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(6" / $\frac{3}{4}$ " - 160 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000664	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(6" / $\frac{3}{4}$ " - 160 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000665	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(6" / 1" - 160 / 32 mm) x 1"Female NPT HEX
18000680	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(8" / $\frac{3}{4}$ " - 200 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000681	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(8" / $\frac{3}{4}$ " - 200 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000682	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(8" / 1" - 200 / 32 mm) x 1"Female NPT HEX
18000683	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(10" / $\frac{3}{4}$ " - 250 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX
18000684	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(10" / $\frac{3}{4}$ " - 250 / 25 mm) x $\frac{3}{4}$ "Female NPT HEX
18000685	TRANSITION SADDLE for outlet fusion (w/ HEX female thread)	(10" / 1" - 250 / 32 mm) x 1"Female NPT HEX

18001350	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	( $1\frac{1}{2}$ " / $\frac{3}{4}$ " - 50 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX (lead-free)
18001351	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(2" / $\frac{3}{4}$ " - 63 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX (lead-free)
18001352	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	( $2\frac{1}{2}$ " / $\frac{3}{4}$ " - 75 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX (lead-free)
18001353	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(3" / $\frac{3}{4}$ " - 90 / 25 mm) x $\frac{1}{2}$ "Female NPT HEX (lead-free)

18001354	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(4" / 3/4" - 125 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001355	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(6" / 3/4" - 160 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001356	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 3/4"Female NPT HEX (lead-free)
18001357	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(2" / 3/4" - 63 / 25 mm) x 3/4"Female NPT HEX (lead-free)
18001358	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 3/4"Female NPT HEX (lead-free)
18001359	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(3" / 3/4" - 90 / 25 mm) x 3/4"Female NPT HEX (lead-free)
18001360	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(4" / 3/4" - 125 / 25 mm) x 3/4"Female NPT HEX (lead-free)
18001361	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(6" / 3/4" - 160 / 25 mm) x 3/4"Female NPT HEX (lead-free)
18001362	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(2 1/2" / 1" - 75 / 32 mm) x 1"Female NPT HEX (lead-free)
18001363	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(3" / 1" - 90 / 32 mm) x 1"Female NPT HEX (lead-free)
18001364	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(4" / 1" - 125 / 32 mm) x 1"Female NPT HEX (lead-free)
18001365	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(6" / 1" - 160 / 32 mm) x 1"Female NPT HEX (lead-free)
18001450	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001451	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(3" / 3/4" - 90 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001452	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(4" / 3/4" - 125 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001453	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(2" / 3/4" - 63 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001454	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 1/2"Female NPT HEX (lead-free)
18001455	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(8" / 3/4" - 200 / 25 mm) x 1/2"Female NPT (lead-free)
18001456	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(8" / 3/4" - 200 / 25 mm) x 3/4"Female NPT (lead-free)
18001457	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(8" / 1" - 200 / 32 mm) x 1"Female NPT (lead-free)
18001458	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(10" / 3/4" - 250 / 25 mm) x 1/2"Female NPT (lead-free)
18001459	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(10" / 3/4" - 250 / 25 mm) x 3/4"Female NPT (lead-free)
18001460	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX female thread)	(10" / 1" - 250 / 32 mm) x 1"Female NPT (lead-free)

18000690	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 1/2"Male NPT HEX
18000691	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(2" / 3/4" - 63 / 25 mm) x 1/2"Male NPT HEX
18000692	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 1/2"Male NPT HEX
18000693	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(3" / 3/4" - 90 / 25 mm) x 1/2"Male NPT HEX
18000694	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(4" / 3/4" - 125 / 25 mm) x 1/2"Male NPT HEX
18000695	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 3/4"Male NPT HEX
18000696	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(2" / 3/4" - 63 / 25 mm) x 3/4"Male NPT HEX
18000697	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 3/4"Male NPT HEX
18000698	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(3" / 3/4" - 90 / 25 mm) x 3/4"Male NPT HEX
18000699	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(4" / 3/4" - 125 / 25 mm) x 3/4"Male NPT HEX
18000700	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(6" / 3/4" - 160 / 25 mm) x 1/2"Male NPT HEX
18000701	TRANSITION SADDLE for outlet fusion (w/ HEX male thread)	(6" / 3/4" - 160 / 25 mm) x 3/4"Male NPT HEX

18001380	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 1/2"Male NPT HEX (lead-free)
18001381	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2" / 3/4" - 63 / 25 mm) x 1/2"Male NPT (lead-free)
18001382	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 1/2"Male NPT (lead-free)
18001383	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(3" / 3/4" - 90 / 25 mm) x 1/2"Male NPT (lead-free)
18001384	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(4" / 3/4" - 125 / 25 mm) x 1/2"Male NPT (lead-free)
18001385	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(6" / 3/4" - 160 / 25 mm) x 1/2"Male NPT (lead-free)
18001386	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(1 1/2" / 3/4" - 50 / 25 mm) x 3/4"Male NPT (lead-free)
18001387	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2" / 3/4" - 63 / 25 mm) x 3/4"Male NPT (lead-free)
18001388	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2 1/2" / 3/4" - 75 / 25 mm) x 3/4"Male NPT (lead-free)
18001389	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(3" / 3/4" - 90 / 25 mm) x 3/4"Male NPT (lead-free)

18001390	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(4" / ¾" - 125 / 25 mm) x ¾"Male NPT (lead-free)
18001391	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(6" / ¾" - 160 / 25 mm) x ¾"Male NPT (lead-free)
18001400	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2" / ¾" - 63 / 25 mm) x ½"Male NPT (lead-free)
18001401	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2" / ¾" - 63 / 25 mm) x ¾"Male NPT (lead-free)
18001402	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(1½" / ¾" - 50 / 25 mm) x ½"Male NPT HEX (lead-free)
18001403	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(1½" / ¾" - 50 / 25 mm) x ¾"Male NPT (lead-free)
18001404	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2½" / ¾" - 75 / 25 mm) x ½"Male NPT (lead-free)
18001405	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(2½" / ¾" - 75 / 25 mm) x ¾"Male NPT (lead-free)
18001406	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(4" / ¾" - 125 / 25 mm) x ¾"Male NPT (lead-free)
18001407	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(3" / ¾" - 90 / 25 mm) x ¾"Male NPT (lead-free)
18001408	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(3" / ¾" - 90 / 25 mm) x ½"Male NPT (lead-free)
18001409	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(6" / ¾" - 160 / 25 mm) x ½"Male NPT (lead-free)
18001410	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(6" / ¾" - 160 / 25 mm) x ¾"Male NPT HEX (lead-free)
18001411	TRANSITION SADDLE Lead-Free for outlet fusion (w/ HEX male thread)	(4" / ¾" - 125 / 25 mm) x ½"Male NPT (lead-free)

18000400	TRANSITION ELBOW with 3 point back plate (female thread)	(½" - 20 mm) x ½" Female NPT
18000401	TRANSITION ELBOW with 3 point back plate (female thread)	(¾" - 25 mm) x ¾" Female NPT
18000402	TRANSITION ELBOW with 3 point back plate (female thread)	(¾" - 25 mm) x ½" Female NPT

18000410	TRANSITION ELBOW Lead-Free with 3 point back plate (female thread)	(½" - 20 mm) x ½" Female NPT (lead-free)
18000411	TRANSITION ELBOW Lead-Free with 3 point back plate (female thread)	(¾" - 25 mm) x ¾" Female NPT (lead-free)
18000412	TRANSITION ELBOW Lead-Free with 3 point back plate (female thread)	(¾" - 25 mm) x ½" Female NPT (lead-free)

18000430	TRANSITION ELBOW with side plates (female thread)	(¾" - 25 mm) x ¾" Female NPT
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18000440	TRANSITION ELBOW Lead-Free with side plates (female thread)	(¾" - 25 mm) x ¾" Female NPT (lead-free)
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18000970	TRANSITION ELBOW with back plate (female thread)	(½" - 20 mm) x ½" Female NPT
18000971	TRANSITION ELBOW with back plate (female thread)	(½" - 20 mm) x ¾" Female NPT

18000980	TRANSITION ELBOW Lead-Free with back plate (female thread)	(½" - 20 mm) x ½" Female NPT (lead-free)
18000981	TRANSITION ELBOW Lead-Free with back plate (female thread)	(½" - 20 mm) x ¾" Female NPT (lead-free)

18000990	TRANSITION ELBOW with back plate (male thread)	(½" - 20 mm) x ½" Male NPT
18000991	TRANSITION ELBOW with back plate (male thread)	(½" - 20 mm) x ¾" Male NPT

18001420	TRANSITION ELBOW Lead-Free with back plate (male thread)	(½" - 20 mm) x ½" Male NPT
18001421	TRANSITION ELBOW Lead-Free with back plate (male thread)	(½" - 20 mm) x ¾" Male NPT

18000890	TRANSITION ELBOW 90° FOR GYPSUM WALL MOUNTING	(½" - 20 mm) x ½" Female NPT
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18000830	TRANSITION TEE with back plate	(½" - 20 mm) x (½" - 20 mm) x ½"Female NPT
18000831	TRANSITION TEE with back plate	(¾" - 25 mm) x (¾" - 25 mm) x ½"Female NPT

18000840	TRANSITION TEE Lead-Free with back plate	(½" - 20 mm) x (½" - 20 mm) x ½"Female NPT (lead-free)
18000841	TRANSITION TEE Lead-Free with back plate	(¾" - 25mm) x (¾" - 25mm) x ½"Female NPT (lead-free)

18001020	PEX ADAPTER (CRIMP / ASTM F1807)	(½" - 20 mm) x ½" (lead-free)
18001021	PEX ADAPTER (CRIMP / ASTM F1807)	(¾" - 20 mm) x ¾" (lead-free)

18004000	PEX ADAPTER EXPANSION (Lead-Free, ASTM F1960)	(1/2" - 20 mm) x 1/2"PEX (lead-free)
18004001	PEX ADAPTER EXPANSION (Lead-Free, ASTM F1960)	(3/4" - 25 mm) x 3/4"PEX (lead-free)
18004002	PEX ADAPTER EXPANSION (Lead-Free, ASTM F1960)	(1" - 32 mm) x 1"PEX (lead-free)

18000891	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (2" / 3/4) x 1/2
18000892	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (2 1/2" / 3/4) x 1/2
18000893	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (3" / 3/4) x 1/2
18000894	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (4" / 3/4) x 1/2
18000895	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (6" / 3/4) x 1/2
18000896	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (1 1/2" / 3/4) x 3/4
18000897	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (3" / 3/4) x 3/4
18000898	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (3" / 3/4") x 3/4
18000899	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (4" / 3/4) x 3/4
18000900	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (6" / 3/4) x 3/4
18004015	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (2" / 3/4) x 3/4
18004016	PP-RCT PRO-PEX S-ADAPTER	ASTM F1960 (1 1/2" / 3/4) x 1/2

18003999	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (2"-63) x 2"
18004005	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (1/2"-20) x 1/2"
18004006	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (3/4"-25mm) x 3/4"
18004007	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (1"-32) x 1"
18004008	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (1 1/4"-40) x 1 1/4"
18004009	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (1 1/2"-50) x 1 1/2"
18004011	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (1 1/2"-50) x 1 1/2"
18004015	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (2"/3/4) x 3/4"
18004016	PP-RCT PRO-PEX ADAPTER	ASTM F1960 (1 1/2"/3/4) x 1/2"

**SHUT-OFF DEVICES**

Part-No (CODE):	Item Description	Dimension N.D-O.D
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18000730	BALL VALVE	VALVE 1/2" - 20 mm ball valve
18000731	BALL VALVE	VALVE 3/4" - 25 mm ball valve
18000732	BALL VALVE	VALVE 1" - 32 mm ball valve
18000733	BALL VALVE	VALVE 1 1/4" - 40 mm ball valve
18000734	BALL VALVE	VALVE 1 1/2" - 50 mm ball valve
18000735	BALL VALVE	VALVE 2" - 63 mm ball valve

18001030	STOP VALVE BODY	(1/2"-20mm) x 1/2"
18001031	STOP VALVE BODY	(3/4"-25mm) x 3/4"
18001032	STOP VALVE BODY	(1"-32mm) x 1"

18001090	CONCEALED VALVE (chromium plated)	1/2"-20mm
18001091	CONCEALED VALVE (chromium plated)	3/4"-25mm
18001092	CONCEALED VALVE (chromium plated)	1"-32mm

18001100	SCREW-DOWN STOP GLOBE VALVE	1/2" - 20 mm
18001101	SCREW-DOWN STOP GLOBE VALVE	3/4" - 25 mm
18001102	SCREW-DOWN STOP GLOBE VALVE	1" - 32 mm

18001120	DRAINING BRANCH	1/2" - 20mm
18001121	DRAINING BRANCH	3/4" - 25mm

**WELDING ACCESSORIES**

18001150	REPAIR PLUG	
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18001160	MARKING GUIDE	
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**TESTING ACCESSORIES**

18000750	LONG PLUG FOR PRESSURE TEST	1/2" - 20 mm
18000751	LONG PLUG FOR PRESSURE TEST	3/4" - 25 mm

18001050	SHORT PLUG FOR PRESSURE TEST	1/2" - 20 mm
18001051	SHORT PLUG FOR PRESSURE TEST	3/4" - 25 mm

**CLAMPS, ACCESSORIES AND MASKS**

Part-No (CODE):	Item Description	Dimension N.D-O.D
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18000870	CLAMPS	1/2" - 20mm
18000871	CLAMPS	3/4" - 25mm
18000872	CLAMPS	1" - 32mm
18000873	CLAMPS	1 1/4" - 40 mm

18001000	PAD	
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18001010	ELBOW MASK	
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**DISTRIBUTORS**

18000770	TRANSITION ASSEMBLY	1/2" - 20 mm Female NPT
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## Additional Listee Models:

UPONOR Pipe and Fittings

<b>Uponor Part Number</b>	<b>Full Product Description</b>
PR9231310	1" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231313	1 1/4" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231315	1 1/2" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231320	2" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9231925	2 1/2" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9231930	3" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9231940	4" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9231960	6" Uponor PP-RCT Mechanical Pipe, SDR 9 with Fiber, 19-ft. straight length
PR11231310	1" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231313	1 1/4" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231315	1 1/2" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231320	2" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 13-ft. straight length
PR11231925	2 1/2" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR11231930	3" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR17231940	4" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR17231960	6" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR17231980	8" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR172319100	10" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR172319120	12" Uponor PP-RCT Mechanical Pipe, SDR 17.6 with Fiber, 19-ft. straight length
PR9221310	1" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221313	1 1/4" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221315	1 1/2" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221320	2" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 13-ft. straight length
PR9221925	2 1/2" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221930	3" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221940	4" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221960	6" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR9221980	8" Uponor PP-RCT Hot Potable Pipe, SDR 9 with Fiber, 19-ft. straight length
PR11221310	1" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221313	1 1/4" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221315	1 1/2" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221320	2" Uponor PP-RCT Cold Potable Pipe, SDR 11, 13-ft. straight length
PR11221925	2 1/2" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221930	3" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221940	4" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221960	6" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR11221980	8" Uponor PP-RCT Cold Potable Pipe, SDR 11, 19-ft. straight length
PR4771010	Uponor PP-RCT Coupling, 1" x 1"
PR4771313	Uponor PP-RCT Coupling, 1 1/4" x 1 1/4"
PR4771515	Uponor PP-RCT Coupling, 1 1/2" x 1 1/2"
PR4772020	Uponor PP-RCT Coupling, 2" x 2"



PR4772525	Uponor PP-RCT Coupling, 2 1/2" x 2 1/2"
PR4773030	Uponor PP-RCT Coupling, 3" x 3"
PR4774040	Uponor PP-RCT Coupling, 4" x 4"
PR4771310	Uponor PP-RCT Fitting Reducer, 1 1/4" x 1"
PR4771510	Uponor PP-RCT Fitting Reducer, 1 1/2" x 1"
PR4771513	Uponor PP-RCT Fitting Reducer, 1 1/2" x 1 1/4"
PR4772010	Uponor PP-RCT Fitting Reducer, 2" x 1"
PR4772013	Uponor PP-RCT Fitting Reducer, 2" x 1 1/4"
PR4772015	Uponor PP-RCT Fitting Reducer, 2" x 1 1/2"
PR4772513	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/4"
PR4772515	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1 1/2"
PR4772520	Uponor PP-RCT Fitting Reducer, 2 1/2" x 2"
PR4772510	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1"
PR4773015	Uponor PP-RCT Fitting Reducer, 3" x 1 1/2"
PR4773020	Uponor PP-RCT Fitting Reducer, 3" x 2"
PR4773025	Uponor PP-RCT Fitting Reducer, 3" x 2 1/2"
PR94774025	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 9
PR114774025	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 11
PR174774025	Uponor PP-RCT Fitting Reducer, 4" x 2 1/2", SDR 17.6
PR94774030	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 9
PR114774030	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 11
PR174774030	Uponor PP-RCT Fitting Reducer, 4" x 3", SDR 17.6
PR94776040	Uponor PP-RCT Reducer, 6" x 4", SDR 9, Butt to Socket Fusion
PR114776040	Uponor PP-RCT Reducer, 6" x 4", SDR 11, Butt to Socket Fusion
PR174776040	Uponor PP-RCT Reducer, 6" x 4", SDR 17.6, Butt to Socket Fusion
PR94778040	Uponor PP-RCT Reducer, 8" x 4", SDR 9, Butt to Socket Fusion
PR114778040	Uponor PP-RCT Reducer, 8" x 4", SDR 11, Butt to Socket Fusion
PR174778040	Uponor PP-RCT Reducer, 8" x 4", SDR 17.6, Butt to Socket Fusion
PR94778060	Uponor PP-RCT Reducer, 8" x 6", SDR 9
PR114778060	Uponor PP-RCT Reducer, 8" x 6", SDR 11
PR174778060	Uponor PP-RCT Reducer, 8" x 6", SDR 17.6
PR174771060	Uponor PP-RCT Reducer, 10" x 6", SDR 17.6
PR174771080	Uponor PP-RCT Reducer, 10" x 8", SDR 17.6
PR174771280	Uponor PP-RCT Reducer, 12" x 8", SDR 17.6
PR174771210	Uponor PP-RCT Reducer, 12" x 10", SDR 17.6
PR4769010	Uponor PP-RCT 90 Elbow, 1" x 1"
PR4769013	Uponor PP-RCT 90 Elbow, 1 1/4" x 1 1/4"
PR4769015	Uponor PP-RCT 90 Elbow, 1 1/2" x 1 1/2"
PR4769020	Uponor PP-RCT 90 Elbow, 2" x 2"
PR4769025	Uponor PP-RCT 90 Elbow, 2 1/2" x 2 1/2"
PR4769030	Uponor PP-RCT 90 Elbow, 3" x 3"
PR4769040	Uponor PP-RCT 90 Elbow, 4" x 4"
PR114769060	Uponor PP-RCT 90 Elbow, Cold Potable, 6" x 6", SDR 11

PR94769060	Uponor PP-RCT 90 Elbow, Hot Potable, 6" x 6",SDR 9
PR947690600	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6",SDR 9
PR174769060	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6",SDR 17.6
PR114769080	Uponor PP-RCT 90 Elbow, Cold Potable, 8" x 8",SDR 11
PR94769080	Uponor PP-RCT 90 Elbow, Hot Potable, 8" x 8",SDR 9
PR174769080	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8",SDR 17.6
PR174769010	Uponor PP-RCT 90 Elbow, Mechanical, 10" x 10",SDR 17.6
PR174769012	Uponor PP-RCT 90 Elbow, Mechanical, 12" x 12",SDR 17.6
PR4764510	Uponor PP-RCT 45 Elbow, 1" x 1"
PR4764513	Uponor PP-RCT 45 Elbow, 1 1/4" x 1 1/4"
PR4764515	Uponor PP-RCT 45 Elbow, 1 1/2" x 1 1/2"
PR4764520	Uponor PP-RCT 45 Elbow, 2" x 2"
PR4764525	Uponor PP-RCT 45 Elbow, 2 1/2" x 2 1/2"
PR4764530	Uponor PP-RCT 45 Elbow, 3" x 3"
PR4764540	Uponor PP-RCT 45 Elbow, 4" x 4"
PR114764560	Uponor PP-RCT 45 Elbow, Cold Potable, 6" x 6",SDR 11
PR94764560	Uponor PP-RCT 45 Elbow, Hot Potable, 6" x 6",SDR 9
PR947645600	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6",SDR 9
PR174764560	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6",SDR 17.6
PR114764580	Uponor PP-RCT 45 Elbow, Cold Potable, 8" x 8",SDR 11
PR94764580	Uponor PP-RCT 45 Elbow, Hot Potable, 8" x 8",SDR 9
PR174764580	Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8",SDR 17.6
PR174764510	Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10",SDR 17.6
PR174764512	Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12",SDR 17.6
PR4751000	Uponor PP-RCT Tee, 1" x 1" x 1"
PR4751250	Uponor PP-RCT Tee, 1 1/4" x 1 1/4" x 1 1/4"
PR4751500	Uponor PP-RCT Tee, 1 1/2" x 1 1/2" x 1 1/2"
PR4752000	Uponor PP-RCT Tee, 2" x 2" x 2"
PR4752500	Uponor PP-RCT Tee, 2 1/2" x 2 1/2" x 2 1/2"
PR4753000	Uponor PP-RCT Tee, 3" x 3" x 3"
PR4754000	Uponor PP-RCT Tee, 4" x 4" x 4"
PR4751331	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1"
PR4751551	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1"
PR4751553	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 1 1/4"
PR4752210	Uponor PP-RCT Reducing Tee, 2" x 2" x 1"
PR4752213	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/4"
PR4752215	Uponor PP-RCT Reducing Tee, 2" x 2" x 1 1/2"
PR4752510	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1"
PR4752513	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/4"
PR4752515	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 1 1/2"
PR4752520	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 2"
PR4753310	Uponor PP-RCT Reducing Tee, 3" x 3" x 1"
PR4753313	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/4"

PR4753315	Uponor PP-RCT Reducing Tee, 3" x 3" x 1 1/2"
PR4753320	Uponor PP-RCT Reducing Tee, 3" x 3" x 2"
PR4753325	Uponor PP-RCT Reducing Tee, 3" x 3" x 2 1/2"
PR4754425	Uponor PP-RCT Reducing Tee, 4" x 4" x 2 1/2"
PR4754430	Uponor PP-RCT Reducing Tee, 4" x 4" x 3"
PR4351000	Uponor PP-RCT End Cap, 1"
PR4351250	Uponor PP-RCT End Cap, 1 1/4"
PR4351500	Uponor PP-RCT End Cap, 1 1/2"
PR4352000	Uponor PP-RCT End Cap, 2"
PR4352500	Uponor PP-RCT End Cap, 2 1/2"
PR4353000	Uponor PP-RCT End Cap, 3"
PR4354000	Uponor PP-RCT End Cap, 4"
PR9435600	Uponor PP-RCT End Cap, 6", SDR 9
PR1143560	Uponor PP-RCT End Cap, 6", SDR 11
PR1743560	Uponor PP-RCT End Cap, 6", SDR 17.6
PR1743580	Uponor PP-RCT End Cap, 8", SDR 17.6
PR17435100	Uponor PP-RCT End Cap, 10", SDR 17.6
PR17435120	Uponor PP-RCT End Cap, 12", SDR 17.6
PR4782010	Uponor PP-RCT Saddle, 2" x 1", for Outlet Fusion
PR4782510	Uponor PP-RCT Saddle, 2 1/2" x 1", for Outlet Fusion
PR4783010	Uponor PP-RCT Saddle, 3" x 1", for Outlet Fusion
PR4784010	Uponor PP-RCT Saddle, 4" x 1", for Outlet Fusion
PR4784013	Uponor PP-RCT Saddle, 4" x 1 1/4", for Outlet Fusion
PR4784015	Uponor PP-RCT Saddle, 4" x 1 1/2", for Outlet Fusion
PR4784020	Uponor PP-RCT Saddle, 4" x 2", for Outlet Fusion
PR4786010	Uponor PP-RCT Saddle, 6" x 1", for Outlet Fusion
PR4786013	Uponor PP-RCT Saddle, 6" x 1 1/4", for Outlet Fusion
PR4786015	Uponor PP-RCT Saddle, 6" x 1 1/2", for Outlet Fusion
PR4786020	Uponor PP-RCT Saddle, 6" x 2", for Outlet Fusion
PR4786025	Uponor PP-RCT Saddle, 6" x 2 1/2", for Outlet Fusion
PR4786030	Uponor PP-RCT Saddle, 6" x 3", for Outlet Fusion
PR4788010	Uponor PP-RCT Saddle, 8" x 1", for Outlet Fusion
PR4788015	Uponor PP-RCT Saddle, 8" x 1 1/2", for Outlet Fusion
PR4788020	Uponor PP-RCT Saddle, 8" x 2", for Outlet Fusion
PR4788025	Uponor PP-RCT Saddle, 8" x 2 1/2", for Outlet Fusion
PR4788030	Uponor PP-RCT Saddle, 8" x 3", for Outlet Fusion
PR4788040	Uponor PP-RCT Saddle, 8" x 4", for Outlet Fusion
PR47810010	Uponor PP-RCT Saddle, 10" x 1", for Outlet Fusion
PR47810020	Uponor PP-RCT Saddle, 10" x 2", for Outlet Fusion
PR47810025	Uponor PP-RCT Saddle, 10" x 2 1/2", for Outlet Fusion
PR47810030	Uponor PP-RCT Saddle, 10" x 3", for Outlet Fusion
PR47810040	Uponor PP-RCT Saddle, 10" x 4", for Outlet Fusion
PR47812020	Uponor PP-RCT Saddle, 12" x 2", for Outlet Fusion
PR47812025	Uponor PP-RCT Saddle, 12" x 2 1/2", for Outlet Fusion
PR47812030	Uponor PP-RCT Saddle, 12" x 3", for Outlet Fusion

PR47812040	Uponor PP-RCT Saddle, 12" x 4", for Outlet Fusion
PR4721000	Uponor PP-RCT Brass Union, 1"
PR4721250	Uponor PP-RCT Brass Union, 1 1/4"
PR4721500	Uponor PP-RCT Brass Union, 1 1/2"
PR4722000	Uponor PP-RCT Brass Union, 2"
PR2981500	Uponor PP-RCT Flange Adapter, 1 1/2"
PR2982000	Uponor PP-RCT Flange Adapter, 2"
PR2982500	Uponor PP-RCT Flange Adapter, 2 1/2"
PR2982525	Uponor PP-RCT Flange Adapter, 2 1/2", for Butterfly Valves
PR2983030	Uponor PP-RCT Flange Adapter, 3", for Butterfly Valves
PR929840	Uponor PP-RCT Flange Adapter, 4", SDR 9, Butt or Socket Fused with Coupling
PR1129840	Uponor PP-RCT Flange Adapter, 4", SDR 11, Butt or Socket Fused with Coupling
PR1729840	Uponor PP-RCT Flange Adapter, 4", SDR 17.6, Butt or Socket Fused with Coupling
PR929860	Uponor PP-RCT Flange Adapter, 6", SDR 9
PR1129860	Uponor PP-RCT Flange Adapter, 6", SDR 11
PR1729860	Uponor PP-RCT Flange Adapter, 6", SDR 17.6
PR929880	Uponor PP-RCT Flange Adapter, 8", SDR 9
PR1129880	Uponor PP-RCT Flange Adapter, 8", SDR 11
PR1729880	Uponor PP-RCT Flange Adapter, 8", SDR 17.6
PR17298100	Uponor PP-RCT Flange Adapter, 10", SDR 17.6
PR17298120	Uponor PP-RCT Flange Adapter, 12", SDR 17.6
PR4571075	Uponor LF Brass Female Threaded Adapter, 1" PP-RCT x 3/4" NPT
PR4571010	Uponor LF Brass Female Threaded Adapter, 1" PP-RCT x 1" NPT
PR4571310	Uponor LF Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1" NPT
PR4571313	Uponor LF Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR4571515	Uponor LF Brass Female Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR4572020	Uponor LF Brass Female Threaded Adapter, 2" PP-RCT x 2" NPT
PR4521010	Uponor LF Brass Male Threaded Adapter, 1" PP-RCT x 1" NPT
PR4521313	Uponor LF Brass Male Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR4521515	Uponor LF Brass Male Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR4522020	Uponor LF Brass Male Threaded Adapter, 2" PP-RCT x 2" NPT
PR4511010	Uponor ProPEX LF Brass Adapter, 1" PP-RCT x 1" PEX
PR6071000	Uponor PP-RCT Repair Plug
PR6041000	Uponor PP-RCT Marking Guide
PR7231350	1/2" Uponor PP-RCT Mechanical Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR7231375	3/4" Uponor PP-RCT Mechanical Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR7221350	1/2" Uponor PP-RCT Hot Potable Pipe, SDR 7.4 with Fiber, 13-ft. straight length

PR7221375	3/4" Uponor PP-RCT Hot Potable Pipe, SDR 7.4 with Fiber, 13-ft. straight length
PR72213500	1/2" Uponor PP-RCT Cold Potable Pipe, SDR 7.4, 13-ft. straight length
PR72213750	3/4" Uponor PP-RCT Cold Potable Pipe, SDR 7.4, 13-ft. straight length
PR4775050	Uponor PP-RCT Coupling, 1/2" x 1/2"
PR477575	Uponor PP-RCT Coupling, 3/4" x 3/4"
PR477550	Uponor PP-RCT Fitting Reducer, 3/4" x 1/2"
PR4771050	Uponor PP-RCT Fitting Reducer, 1" x 1/2"
PR4771075	Uponor PP-RCT Fitting Reducer, 1" x 3/4"
PR4771350	Uponor PP-RCT Fitting Reducer, 1 1/4" x 1/2"
PR4771375	Uponor PP-RCT Fitting Reducer, 1 1/4" x 3/4"
PR4771550	Uponor PP-RCT Fitting Reducer, 1 1/2" x 1/2"
PR4771575	Uponor PP-RCT Fitting Reducer, 1 1/2" x 3/4"
PR4772075	Uponor PP-RCT Fitting Reducer, 2" x 3/4"
PR4772550	Uponor PP-RCT Fitting Reducer, 2 1/2" x 1/2"
PR4772575	Uponor PP-RCT Fitting Reducer, 2 1/2" x 3/4"
PR4439050	Uponor PP-RCT 90 Street Elbow, 1/2" x 1/2"
PR4439075	Uponor PP-RCT 90 Street Elbow, 3/4" x 3/4"
PR4439010	Uponor PP-RCT 90 Street Elbow, 1" x 1"
PR4434550	Uponor PP-RCT 45 Street Elbow, 1/2" x 1/2"
PR4434575	Uponor PP-RCT 45 Street Elbow, 3/4" x 3/4"
PR4434510	Uponor PP-RCT 45 Street Elbow, 1" x 1"
PR4769050	Uponor PP-RCT 90 Elbow, 1/2" x 1/2"
PR4769075	Uponor PP-RCT 90 Elbow, 3/4" x 3/4"
PR4764550	Uponor PP-RCT 45 Elbow, 1/2" x 1/2"
PR4764575	Uponor PP-RCT 45 Elbow, 3/4" x 3/4"
PR4755050	Uponor PP-RCT Tee, 1/2" x 1/2" x 1/2"
PR4757575	Uponor PP-RCT Tee, 3/4" x 3/4" x 3/4"
PR4755075	Uponor PP-RCT Reducing Tee, 1/2" x 1/2" x 3/4"
PR4757550	Uponor PP-RCT Reducing Tee, 3/4" x 3/4" x 1/2"
PR4751550	Uponor PP-RCT Reducing Tee, 1" x 1/2" x 1/2"
PR4751150	Uponor PP-RCT Reducing Tee, 1" x 1" x 1/2"
PR4751775	Uponor PP-RCT Reducing Tee, 1" x 3/4" x 3/4"
PR4751175	Uponor PP-RCT Reducing Tee, 1" x 1" x 3/4"
PR4751350	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 1/2"
PR4751375	Uponor PP-RCT Reducing Tee, 1 1/4" x 1 1/4" x 3/4"
PR4751575	Uponor PP-RCT Reducing Tee, 1 1/2" x 1 1/2" x 3/4"
PR4752575	Uponor PP-RCT Reducing Tee, 2 1/2" x 2 1/2" x 3/4"
PR4350500	Uponor PP-RCT End Cap, 1/2"
PR4350750	Uponor PP-RCT End Cap, 3/4"
PR4781350	Uponor PP-RCT Saddle, 1 1/4" x 1/2",for Outlet Fusion
PR4781375	Uponor PP-RCT Saddle, 1 1/4" x 3/4",for Outlet Fusion
PR4781550	Uponor PP-RCT Saddle, 1 1/2" x 1/2",for Outlet Fusion
PR4781575	Uponor PP-RCT Saddle, 1 1/2" x 3/4",for Outlet Fusion
PR4782050	Uponor PP-RCT Saddle, 2" x 1/2",for Outlet Fusion
PR4782075	Uponor PP-RCT Saddle, 2" x 3/4",for Outlet Fusion

PR4782550	Uponor PP-RCT Saddle, 2 1/2" x 1/2",for Outlet Fusion
PR4782575	Uponor PP-RCT Saddle, 2 1/2" x 3/4",for Outlet Fusion
PR4783050	Uponor PP-RCT Saddle, 3" x 1/2",for Outlet Fusion
PR4783075	Uponor PP-RCT Saddle, 3" x 3/4",for Outlet Fusion
PR4784050	Uponor PP-RCT Saddle, 4" x 1/2",for Outlet Fusion
PR4784075	Uponor PP-RCT Saddle, 4" x 3/4",for Outlet Fusion
PR4485050	Uponor PP-RCT Crossover, Molded, 1/2" x 1/2"
PR4487575	Uponor PP-RCT Crossover, Molded, 3/4" x 3/4"
PR4481010	Uponor PP-RCT Crossover, Molded, 1" x 1"
PR4720500	Uponor PP-RCT Brass Union, 1/2"
PR4720750	Uponor PP-RCT Brass Union, 3/4"
PR4575050	Uponor LF Brass Female Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR4575075	Uponor LF Brass Female Threaded Adapter, 1/2" PP-RCT x 3/4" NPT
PR4577550	Uponor LF Brass Female Threaded Adapter, 3/4" PP-RCT x 1/2" NPT
PR4577575	Uponor LF Brass Female Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR4525050	Uponor LF Brass Male Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR4527550	Uponor LF Brass Male Threaded Adapter, 3/4" PP-RCT x 1/2" NPT
PR4527575	Uponor LF Brass Male Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR4521075	Uponor LF Brass Male Threaded Adapter, 1" PP-RCT x 3/4" NPT
PR4515050	Uponor ProPEX LF Brass Adapter, 1/2" PP-RCT x 1/2" PEX
PR4517575	Uponor ProPEX LF Brass Adapter, 3/4" PP-RCT x 3/4" PEX
PR4511550	Uponor ProPEX LF Brass Saddle Adapter, 1 1/2" / 3/4" PP-RCT x 1/2" PEX, for Outlet Fusion
PR4512075	Uponor ProPEX LF Brass Saddle Adapter, 2" / 3/4" PP-RCT x 3/4" PEX, for Outlet Fusion
PR5575050	Uponor Brass Female Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR5577550	Uponor Brass Female Threaded Adapter, 3/4" PP-RCT x 1/2" NPT
PR5577575	Uponor Brass Female Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR5571075	Uponor Brass Female Threaded Adapter, 1" PP-RCT x 3/4" NPT
PR5571010	Uponor Brass Female Threaded Adapter, 1" PP-RCT x 1" NPT
PR5571310	Uponor Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1" NPT
PR5571313	Uponor Brass Female Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR5571515	Uponor Brass Female Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR5572020	Uponor Brass Female Threaded Adapter, 2" PP-RCT x 2" NPT
PR5525050	Uponor Brass Male Threaded Adapter, 1/2" PP-RCT x 1/2" NPT
PR5527575	Uponor Brass Male Threaded Adapter, 3/4" PP-RCT x 3/4" NPT
PR5521010	Uponor Brass Male Threaded Adapter, 1" PP-RCT x 1" NPT
PR5521313	Uponor Brass Male Threaded Adapter, 1 1/4" PP-RCT x 1 1/4" NPT
PR5521515	Uponor Brass Male Threaded Adapter, 1 1/2" PP-RCT x 1 1/2" NPT
PR5522020	Uponor Brass Male Threaded Adapter, 2" PP-RCT x 2" NPT
PR1147690600	Uponor PP-RCT 90 Elbow, Mechanical, 6" x 6", SDR 11
PR947690800	Uponor PP-RCT 90 Elbow, Mechanical, 8" x 8", SDR 9

PR1147645600	Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 11
PR947560	Uponor PP-RCT Tee, Hot Potable, 6" x 6" x 6", SDR 9
PR9475600	Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 9
PR1147560	Uponor PP-RCT Tee, Cold Potable, 6" x 6" x 6", SDR 11
PR11475600	Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 11
PR17475600	Uponor PP-RCT Tee, Mechanical, 6" x 6" x 6", SDR 17.6
PR1147580	Uponor PP-RCT Tee, Cold Potable, 8" x 8" x 8", SDR 11
PR9475800	Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 9
PR17475800	Uponor PP-RCT Tee, Mechanical, 8" x 8" x 8", SDR 17.6
PR17475100	Uponor PP-RCT Tee, Mechanical, 10" x 10" x 10", SDR 17.6
PR17475120	Uponor PP-RCT Tee, Mechanical, 12" x 12" x 12", SDR 17.6
PR94756640	Uponor PP-RCT Reducing Tee, Hot Potable, 6" x 6" x 4", SDR 9
PR947566400	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 9
PR114756640	Uponor PP-RCT Reducing Tee, Cold Potable, 6" x 6" x 4", SDR 11
PR1147566400	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 11
PR1747566400	Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 4", SDR 17.6
PR114758840	Uponor PP-RCT Reducing Tee, Cold Potable, 8" x 8" x 4", SDR 11
PR1747588400	Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 17.6
PR11231940	4" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR11231960	6" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR11231980	8" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR112319100	10" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length
PR112319120	12" Uponor PP-RCT Mechanical Pipe, SDR 11 with Fiber, 19-ft. straight length

#### Conditions of Listing:

1. Where used in radiant heating systems, the pipe and fittings are recognized for use with water, as well as aqueous solutions of ethylene glycol or propylene glycol for antifreeze, up to 100 percent concentrations of either glycol.
2. When installation is in fire-resistance-rated assemblies, evidence of compliance with IBC (penetrations) must be provided to the code official for approval.
3. During placement of cover over the piping, the pipe must be maintained at the greater of 1½ times the working pressure or 100 psi (689.4 kPa).
4. Each installation must be pressure-tested for leaks in the presence of the code official or the code official's designated representative.
5. Clearances from heat-producing equipment must be in accordance with the applicable code.
6. Hydronic piping systems that utilize a non-potable heat transfer fluid must not be connected to the potable water system except through the use of approved devices such as backflow preventers or double-walled heat exchangers.
7. Polypropylene (PP-R) and (PP-RCT) pipe and fitting system are under a quality control program with two surveillance inspections per year by ICC-ES.