

Polyethylene Technical Guide



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1.0 Introduction

Polyethylene (PE) pipes have been manufactured in Australia since the mid-1950s. Initially produced in small diameters for industrial and agricultural uses, PE smooth wall pressure pipes and fabricated fittings are now available in sizes up to 2000mm in diameter.

The first Australian Standard for polyethylene pipe was published in 1962, and Iplex began producing its Poliplex range in the early 1970s. Over the past fifty years, the use of PE pipes in Australia has grown significantly, with hundreds of kilotonnes produced annually. During this time, high-density polyethylene (HDPE) pipe resins have more than tripled in strength compared to the original low-density materials. As a result, Iplex's Poliplex range has become one of the most widely used plastic pipe systems in Australia.

1.1 Applications

Poliplex pipes are used for all types of liquids and gases. Common applications include:

- Urban water and gas supply
- Mine dewatering
- Irrigation supply
- Slurry pipelines
- Vacuum, pressure and gravity sewer systems
- Submarine pipelines and ocean outfalls
- Trenchless pipeline installation and rehabilitation applications
- Industrial process pipe work
- Compressed air services
- Electricity and telecommunication cable conduits
- Upstream coal seam gas and water pipelines

1.2 Benefits

Benefits

Poliplex polyethylene pipes offer numerous advantages, including:

- **Minimized thrust blocks:** Continuously welded polyethylene pipelines can often be designed to reduce the need for thrust blocks.
- **Curved installations:** Pipes can be installed along curved alignments, adhering to minimum bending radii guidelines (refer to www.pipa.com.au POP202).
- **Transient water hammer:** The low-modulus material helps to reduce the effects of transient water hammer.
- **UV protection:** Both unstriped black pipe and Thermapipe® options provide long-term UV protection for above-ground installations.
- **Corrosion resistance:** These pipes are rust and corrosion-resistant.

- **Reduced joints:** Available in long lengths to minimize the number of joints needed.
- **Comprehensive fitting range:** A complete range of fittings is available.
- **Welding methods:** Pipes can be welded using both butt and electrofusion methods.
- **Abrasion resistance:** Excellent resistance to abrasion.
- **Wide diameter range:** Available in diameters ranging from DN16 to DN2000.



Large bore PE installation at Yallourn Power Station, VIC.

1.3 Joining system

Joining system

Poliplex polyethylene pipes offer versatile joining methods to suit different applications:

- **Welding:** Pipes can be joined using thermal butt-fusion or electrofusion welding.
- **Mechanical compression couplings:** Diameters up to DN160 can be joined using compression couplings that conform to AS/NZS 4129.
- **Flanged connections:** When connecting to other pipelines, valves, or appurtenances, flanged connections are often used. There are two types:
 - Stub end adaptor with metallic backing rings: Suitable for lower pressure (<20 bar) and smaller diameter (<750mm) water pipelines using elastomeric gaskets.
 - Full-faced flanges with metallic backing rings: Required for higher pressure, larger diameter, and non-elastomeric gasket joints.

For comprehensive flange details and installation guidelines, refer to:

- **AS/NZS 4129 and AS/NZS 2033:** These standards provide detailed dimensional and installation information for flanged polyethylene joints.
- **PIPA Technical Guideline POP007:** Available at www.pipa.com.au, it offers guidance on determining appropriate flange bolt torque.
- **Iplex Software:** Our “Pocket Engineer® suite,” available at www.iplex.com.au under the help and support section, provides bespoke bolt torque information and other useful design tools.

In summary, with proper specification, design, installation, and maintenance, Iplex Poliplex polyethylene pipes and fittings offer long-term durability and adaptability. They integrate seamlessly with existing products like ductile iron fittings, providing a comprehensive range of fittings to match any pipe material.

1.4 Environmental Product Declaration

An Environmental Product Declaration (EPD) is a standardised and verified way of quantifying the environmental impacts of a product based on a consistent set of rules known as PCR (Product Category Rules). The [EPD for Polyethylene Pipes](#):

- Conforms with International Standards ISO14025 and EN15804.
- Has been verified by an independent third party.
- Has at least a cradle to gate scope.
- Has product specific results.

The Polyethylene pipes EPD results can be used in Whole of life Cycle assessments under Green Star and Infrastructure Sustainability Rating Tools. Refer to the Tables in the Polyethylene Pipes EPD to convert the product results from kilogram of installed pipe to length of pipe for individual pipe products.

2.0 Product data

2.1 Materials properties

Iplex Poliplex AS/NZS 4130 pipes are manufactured from PE100 polyethylene resin, with a 50-year minimum required strength (MRS) of 10 MPa.

Table 2.1: Physical properties of PE100 Polyethylene Pipe Resin

Property	Reference	Value
MRS (50 year)	ISO 9080	10MPa
Circumferential flexural modulus (3 minutes)	AS/NZS 2566.1	950MPa
Circumferential flexural creep modulus (50 year)	AS/NZS 2566.1	260MPa
Density	ISO 1183	950-960 kg/m ³
Tensile yield stress (50mm/min)	ISO 527	25MPa
Tensile yield strain (50mm/min)	ISO 527	10%
Tensile modulus	ISO 527	900-1100MPa
Poisson's ratio	ISO 527	0.4 - 0.45
Thermal expansion coefficient	AS/NZS 4130	2.0 x 10 ⁻⁴ /°C
Thermal conductivity	ISO 22007	0.37-0.47 W/m.K
Durometer hardness	ISO 7619	64 Shore D

2.2 PE100 material composition

The PE100 polyethylene resin used in Poliplex AS/NZS 4130 conforming pipe is pre-compounded PE100 polyethylene i.e., pigments, antioxidants and UV stabilisers, have been added by the polymer manufacturer prior to pipe extrusion.

All PE100 compounds including striping and jackets compounds used by Iplex meet the performance requirements defined by AS/NZS 4131 'Polyethylene (PE) compounds for pressure pipes and fittings.

PE100 compounds used have also been technically assessed by Plastics Industry Pipe Association of Australia (PIPA) to meet AS/NZS 4131 performance requirements and are listed in Technical Guideline POP004 Polyethylene Pipe and Fitting Compounds. (www.pipa.com.au).



Thermal conductivity

The conductivity of polyethylene varies with temperature almost linearly and is typically 0.47 W/m.K at 0°C to 0.37W/m.K at 70°C.

Specific Heat Capacity: The specific heat of polyethylene varies with temperature from 1800 J/kg at 0°C to 2200 J/kg at 60°C.

Temperature re-rating

At pipe wall temperatures above 25°C the maximum allowable operating pressure (MAOP) of a PE pipe system is reduced and it is necessary to re-rate polyethylene pressure pipe systems.

Table 2.2 provides guidance as to the maximum allowable operating pressure of PE100 pipe and fittings conveying water, at a range of temperatures. This information does not apply to pipe systems conveying fluids other than water, for example Fuel Gas, as additional design factors will apply.

It should be noted that at constant temperatures greater than 30°C and 40°C, the expected service life of Poliplex pipes may be reduced.

Pipeline designers must consult AS/NZS 2033 'Design and installation of polyolefin pipe systems' for further information regarding temperature considerations, including methods for determination of pipe wall temperature.

2.3 Thermal properties

Coefficient of thermal expansion/contraction

Polyethylene (PE) pipes expand or contract with temperature changes:

- Unconstrained pipe: When the temperature increases or decreases, the pipe length will also increase or decrease accordingly.
- Constrained pipe: Temperature changes induce longitudinal tensile or compressive stresses.

The coefficient of thermal linear expansion or contraction for PE varies with temperature but is typically between 1.2 to 2.4×10^{-4} per °C at ambient temperatures.

For calculations, a value of $2.0 \times 10^{-4}/^{\circ}\text{C}$ is often used. This coefficient means PE pipes expand or contract about twenty times more than steel pipes.

When a PE pipe is fully restrained, thermal changes create stress in the material. However, due to the low tensile modulus of polyethylene, and assuming typical ambient temperature fluctuations of less than 40°C, the stress remains within safe allowable limits.

Table 2.2: Thermal rating of PE100 polyethylene Poliplex pipe

Maximum allowable operating pressure - PE100 Water pipe only (m head)

Temperature	Maximum allowable operating pressure - PE100 water pipe (m head)							
°C	PN4	PN6.3	PN8	PN10	PN12.5	PN16	PN20	PN25
20	40	63	80	100	125	160	200	250
25	40	63	80	100	125	160	200	250
30	38	59	75	94	118	150	188	235
35	36	56	71	89	112	143	179	224
40	34	53	68	84	106	135	169	221
45	32	50	64	80	100	127	159	199
50*	30	48	60	76	95	121	151	189
55*	29	45	57	72	89	115	143	179

*At 50 °C and 55 °C the extrapolated performance of the pipe cannot be predicted beyond 36 and 24 years respectively based on current data.

*Reference AS/NZS 2033.

2.4 Chemical resistance

Polyethylene is in chemical terms a non-polar high molecular weight paraffin of the hydrocarbon family. It is very resistant to (non-oxidising) strong acids, strong bases and salts.

It is mildly affected by aliphatic solvents although aromatic and chlorinated solvents will cause some swelling.

Polyethylene is attacked by strongly oxidising substances such as halogens and concentrated inorganic acids.

Iplex's web based Chemical Resistance Tool, referencing more than 300 commonly encountered chemicals, is free to use following registration at www.pocketengineer.com.au or you can find more information at www.iplex.com.au under our help and support page.

2.5 Compatibility of polyethylene drinking water pipes in contact with Chloramine and Chlorine disinfectants

Most Australian drinking water suppliers use chlorine or chloramine as disinfectants, keeping levels within the aesthetic limits set by the Australian Drinking Water Guidelines (ADWG). With an average water temperature

up to 21°C, the service life of PE100 pipes, if selected with the appropriate SDR, is not negatively affected.

However, in some regions with higher water and/or soil temperatures and a more aggressive oxidative environment, the performance and service life of Poliplex pipes may be reduced. In such cases, specific design guidance is recommended.

For more detailed information, refer to PIPA Technical Guideline POP018, "Polyethylene Drinking Water Pipes in Contact with Chlorine and Chloramine Disinfectants," available at www.pipa.com.au

2.6 Product certification

Iplex offers a comprehensive range of polyethylene pipes and fittings designed for diverse applications. Our in-house manufactured pipe brands, Poliplex, Millennium, and Thermapipe, are independently assessed by a JAS/ANZ registered Conformity Assessment Body (CAB) to verify that they meet the performance requirements of AS/NZS 4130 Polyethylene (PE) pipes for pressure applications. These products are certified under both the WaterMark and ISO Type 5 product certification schemes. For more details, please refer to our product certification licenses at www.iplex.com.au



3.0 Pipe and dimensions

3.1 Poliplex PE100

Poliplex pipes are available in diameters from DN16 to DN2000 and pressure classes up to PN32 at 20°C for water (SDR5) in select sizes. Pipes up to DN160 can be supplied in coil lengths, while larger diameters are typically available in 12-metre lengths. Custom lengths can be arranged.

Note: The nominal diameter (DN) of Poliplex pipes refers to the outside diameter, following international standards.

Standard dimension ratio (SDR) refers to the ratio of the nominal outside diameter to the wall thickness of the pipe.

Table 3.1: Poliplex - PE100 Series 1 - Pressure pipe dimensions AS/NZS4130

SDR		41		26		21		17		13.6		SDR									
PN for PE100		4		6.3		8		10		12.5		PN for PE100									
DN	Min wall	Mean ID	Ovality max	Weight ave kg/m	Min wall	Mean ID	Ovality max	Weight ave kg/m	Min wall	Mean ID	Ovality max	Weight ave kg/m	DN								
20	-	-	-	-	-	-	-	-	-	-	-	1.6	16.7	1.2	0.10	20					
25	-	-	-	-	-	-	-	-	1.6	21.7	1.2	0.12	1.9	21.0	1.2	0.14	25				
32	-	-	-	-	-	1.6	28.7	1.3	0.16	1.9	28.0	1.3	0.19	2.4	27.0	1.3	0.23	32			
40	-	-	-	-	-	1.9	36.1	1.4	0.24	2.4	35.0	1.4	0.30	3.0	33.8	1.4	0.36	40			
50	-	-	-	-	-	2.4	45.0	1.4	0.38	3.0	43.9	1.4	0.46	3.7	42.4	1.4	0.55	50			
63	-	-	-	-	-	3.0	56.9	1.5	0.59	3.8	55.2	1.5	0.73	4.7	53.3	1.5	0.88	63			
75	-	-	-	-	-	3.6	67.7	1.6	0.83	4.5	65.8	1.6	1.03	5.5	63.7	1.6	1.23	75			
90	-	-	-	-	-	4.3	81.3	1.8	1.20	5.4	79.0	1.8	1.48	6.6	76.5	1.8	1.77	90			
110	2.7	104.7	2.2	0.95	4.3	101.3	2.2	1.48	5.3	99.2	2.2	1.80	6.6	96.5	2.2	2.20	8.1	93.3	2.2	2.66	110
125	3.1	118.9	2.5	1.24	4.8	115.4	2.5	1.86	6.0	112.9	2.5	2.30	7.4	109.9	2.5	2.80	9.2	106.1	2.5	3.42	125
140	3.5	133.2	2.8	1.56	5.4	129.2	2.8	2.35	6.7	126.5	2.8	2.87	8.3	123.0	2.8	3.52	10.3	118.9	2.8	4.29	140
160	4.0	152.3	3.2	2.02	6.2	147.6	3.2	3.08	7.7	144.5	3.2	3.77	9.5	140.7	3.2	4.59	11.8	135.9	3.2	5.60	160
180	4.4	171.5	3.6	2.51	6.9	166.3	3.6	3.84	8.6	163.1	3.6	4.74	10.7	158.3	3.6	5.81	13.3	152.8	3.6	7.10	180
200	4.9	190.5	4.0	3.08	7.7	184.6	4.0	4.76	9.6	180.6	4.0	5.87	11.9	175.8	4.0	7.16	14.7	170.0	4.0	8.71	200
225	5.5	214.4	4.5	3.90	8.6	207.9	4.5	5.98	10.8	203.3	4.5	7.42	13.4	197.8	4.5	9.09	16.6	191.0	4.5	11.06	225
250	6.2	238.0	5.0	4.89	9.6	230.9	5.0	7.41	11.9	226.0	5.0	9.08	14.8	220.0	5.0	11.14	18.4	212.4	5.0	13.63	250
280	6.9	266.7	5.8	6.06	10.7	258.7	5.8	9.25	13.4	253.0	5.8	11.46	16.6	246.3	5.8	13.99	20.6	237.9	5.8	17.08	280
315	7.7	300.2	6.6	7.62	12.1	290.9	6.6	11.78	15.0	284.9	6.6	14.40	18.7	276.6	6.6	17.72	23.2	267.6	6.6	21.64	315
355	8.7	338.2	7.5	9.69	13.6	327.9	7.5	14.89	16.9	321.0	7.5	18.28	21.1	312.1	7.5	22.55	26.1	301.6	7.5	27.43	355
400	9.8	380.0	8.4	12.28	15.3	369.5	8.4	18.88	19.1	361.5	8.4	23.31	23.7	351.9	8.4	28.50	29.4	339.9	8.4	34.79	400
450	11.0	428.9	9.4	15.49	17.2	415.8	9.4	23.87	21.5	406.8	9.4	29.48	26.7	395.9	9.4	36.11	33.1	382.4	9.4	44.07	450
500	12.3	476.3	10.4	19.28	19.1	462.0	10.4	29.45	23.9	452.0	10.4	36.37	29.6	439.9	10.4	44.48	36.8	424.9	10.4	54.38	500
560	13.7	533.6	11.4	24.00	21.4	517.4	11.4	36.91	26.7	506.4	11.4	45.52	33.2	492.7	11.4	55.89	41.2	475.8	11.4	68.22	560
630	15.4	600.4	12.4	30.37	24.1	582.1	12.4	46.77	30.0	569.8	12.4	57.50	37.3	554.4	12.4	70.62	46.3	535.5	12.4	86.23	630
710	17.4	676.5	13.4	38.65	27.2	655.9	13.4	59.45	33.9	641.9	13.4	73.22	42.1	624.6	13.4	89.82	52.2	603.4	13.4	109.55	710
800	19.6	762.3	14.4	49.01	30.6	739.2	14.4	75.29	38.1	723.4	14.4	92.80	47.4	703.9	14.4	113.89	58.8	680.0	14.4	138.96	800
900	22.0	857.8	15.4	61.81	34.4	831.7	15.4	95.23	42.9	813.9	15.4	117.42	53.5	791.7	15.4	144.55	66.2	764.9	15.4	176.04	900
1000	24.5	952.9	16.4	76.54	38.2	924.1	16.4	117.50	47.7	904.2	16.4	145.07	59.3	879.8	16.4	178.06	72.5	852.1	16.4	214.41	1000
1200	29.4	1143.1	19.4	110.14	45.9	1108.5	19.4	169.18	57.2	1084.7	19.4	208.73	67.9	1062.7	19.4	245.17	88.2	1020.0	19.4	AOR	1200
1400	AOR	AOR	AOR	AOR	53.2	1293.1	19.4	239.54	66.7	1266.1	19.4	283.64	82.4	1233.1	19.4	AOR	AOR	AOR	AOR	AOR	1400
1600	AOR	AOR	AOR	AOR	61.3	1476.1	19.4	300.95	76.2	1447.0	19.4	370.23	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	1600
1800	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	-	-	-	1800
2000	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	AOR	-	-	-	-	-	-	-	2000

Note:
 All dimensions are in millimetres and mass in kg/m. Nominal Diameter(DN) equals outside diameter. These dimensions also apply to Thermapipe and Millenium Pipe®.
 AOR = Available upon request.

Table 3.1: Poliplex - PE100 Series 1 - Pressure pipe dimensions AS/NZS4130 continued

SDR		11			9			7.4			6			SDR		
PN for PE100		16			20			25			32			PN for PE100		
DN	Min wall	Mean ID	Ovality max	Weight ave kg/m	Min wall	Mean ID	Ovality max	Weight ave kg/m	Min wall	Mean ID	Ovality max	Weight ave kg/m	Min wall	Mean ID	Ovality max	Weight ave kg/m
20	1.9	16.0	1.2	0.11	2.3	12.3	1.2	0.13	3.5	11.4	0.16	0.16	AOR	AOR	AOR	AOR
25	2.3	20.2	1.2	0.17	2.8	19.2	1.2	0.20	2.8	14.2	0.24	0.24	AOR	AOR	AOR	AOR
32	2.9	26.0	1.3	0.27	3.6	24.5	1.3	0.33	4.4	22.8	0.39	0.39	AOR	AOR	AOR	AOR
40	3.7	32.3	1.4	0.43	4.5	30.6	1.4	0.52	4.4	28.5	0.61	0.61	AOR	AOR	AOR	AOR
50	4.6	40.4	1.4	0.67	5.6	38.4	1.4	0.80	6.9	35.7	0.95	0.95	AOR	AOR	AOR	AOR
63	5.8	51.0	1.5	1.07	7.1	48.2	1.50	1.28	8.6	45.1	1.50	1.50	AOR	AOR	AOR	AOR
75	6.8	61.0	1.6	1.49	8.4	57.6	1.6	1.79	10.3	53.6	1.6	2.13	AOR	AOR	AOR	AOR
90	8.2	73.0	1.8	2.16	10.1	69.1	1.80	2.59	12.3	64.5	1.8	3.05	AOR	AOR	AOR	AOR
110	10.0	89.4	2.2	3.20	12.3	84.5	2.2	3.84	15.1	78.6	2.2	4.57	AOR	AOR	AOR	AOR
125	11.4	101.5	2.5	4.15	14.0	96.1	2.5	4.96	17.1	89.5	2.5	5.88	AOR	AOR	AOR	AOR
140	12.7	113.9	2.8	5.17	15.7	107.6	2.8	6.23	19.2	100.2	2.8	7.39	AOR	AOR	AOR	AOR
160	14.6	130.0	3.2	6.78	17.9	123.0	3.2	8.11	21.9	114.7	3.2	9.62	AOR	AOR	AOR	AOR
180	16.4	146.3	3.6	8.58	20.1	138.5	3.6	10.26	24.6	129.1	3.6	12.16	AOR	AOR	AOR	AOR
200	18.2	162.5	4.0	10.57	22.4	153.7	4.0	12.68	27.3	143.4	4.0	15.00	AOR	AOR	AOR	AOR
225	20.5	182.9	4.5	13.39	25.1	173.2	4.5	16.00	30.8	161.3	4.5	19.02	AOR	AOR	AOR	AOR
250	22.7	203.4	5.0	16.46	27.9	192.5	5.0	19.73	34.2	179.2	5.0	23.48	AOR	AOR	AOR	AOR
280	25.4	227.8	5.8	20.64	31.3	215.4	5.8	24.80	38.3	200.7	5.8	29.44	AOR	AOR	AOR	AOR
315	28.6	256.3	6.5	26.13	35.2	242.4	6.5	31.38	43.0	226.1	6.5	37.16	AOR	AOR	AOR	AOR
355	32.2	288.8	7.5	33.16	39.6	273.3	7.5	39.76	48.5	254.6	7.5	47.24	-	-	-	-
400	36.3	325.4	8.5	42.10	44.7	307.8	8.5	50.55	54.6	287.0	8.5	59.92	-	-	-	-
450	40.9	366.1	9.5	53.31	50.2	346.5	9.5	63.90	61.5	322.8	9.5	75.92	-	-	-	-
500	45.4	406.8	10.5	65.78	55.8	385.0	10.5	78.86	68.0	360.0	10.5	93.00	-	-	-	-
560	50.8	455.8	11.5	82.40	62.5	430.3	11.5	98.93	75.7	401.0	11.5	112.00	-	-	-	-
630	57.2	512.6	13.0	104.42	70.3	484.1	13.0	125.20	85.1	451.1	13.0	140.00	-	-	-	-
710	64.5	577.6	14.5	132.64	79.3	546.5	14.5	159.13	93.0	500.0	14.5	170.00	-	-	-	-
800	72.5	651.0	16.0	168.11	89.3	615.9	16.0	201.90	105.0	562.5	16.0	200.00	-	-	-	-
900	81.7	732.4	17.5	212.91	100.0	690.0	17.5	248.00	118.0	700.0	17.5	230.00	-	-	-	-
1000	90.3	814.9	19.0	261.4	110.0	770.0	19.0	300.00	130.0	840.0	19.0	260.00	-	-	-	-
1200	AOR	AOR	AOR	AOR	-	-	-	-	-	-	-	-	-	-	-	-
1400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:
All dimensions are in millimetres and mass in kg/m. Nominal Diameter(DN) equals outside diameter. These dimensions also apply to Thermapipe and Millenium Pipe®.
AOR = Available upon request.

3.2 Rural / imperial polyethylene pipes

Iplex manufactures Greenline imperial rural polyethylene pipe systems.

Greenline is manufactured to Iplex in-house specifications only and has a maximum pressure rating for water of 800kPa at 20°C.

Greenline pipes use Iplex rural range of compression fittings.



Table 3.2: Greenline economy rural pipe dimensions

Nominal ID In (mm) (Inch)	ID ave (mm)	Wall ave (mm)	OD ave (mm)
20 (3/4")	19.0	1.6	22.2
25 (1.0")	25.3	1.7	28.7
32 (1 1/4")	31.6	2.0	35.6
40 (1 1/2")	38.0	2.4	42.8
50 (2")	50.9	3.2	57.3

3.3 Thermapipe

Thermapipe is designed to resist the absorption of radiant solar heat through a highly reflective, UV-stabilised white PE100 jacket layer on its external surface. This white layer is co-extruded with the black inner wall layer, forming a cohesive and integral dual layer pipe. The white PE100 material includes Hindered Amine Light Stabilisers (HALS) and titanium dioxide, enhancing the UV resistance and longevity of the outer layer.

Testing shows that solar radiation has a significantly reduced and predictable effect on Thermapipe compared to conventional black polyethylene pipes. This reduction in solar absorption results in a lower mean temperature for the pipe wall in exposed, above-ground installations, allowing for the use of thinner walled pipes while meeting temperature-rated pressure performance.

Thermapipe adheres to the performance requirements of AS/NZS 4130 for pressure applications by using a white PE100 jacket material that complies with AS/NZS 4131 and [PIPA, Technical Guideline POP017](#).

Key performance improvements of Thermapipe over black pipes in sunlight-exposed installations include:

- **Thinner walled pipes:** Enables more efficient pipe design.
- **Lower pumping costs:** Realised through the adoption of thinner walled pipes.
- **Reduced thermal expansion/contraction:** Minimises the need for pipeline snaking.
- **Less requirement for extra length:** Only +2% needed for snaking compared to 4% for black pipes.
- **Reduced pipe movements:** On tailings dam walls and pipe racks.
- **Lower anchorage loads:** Due to reduced thermal expansion.
- **Reduced thermal stresses:** In the pipe material.
- **Maintained pipe stiffness:** Less reduction due to heating effects.
- **Greater vacuum resistance:** Improved collapse resistance under vacuum.
- **Cooler contents:** Maintains lower internal temperatures compared to black pipes.

For more detailed information on Thermapipe and its certifications, visit the Iplex product certification licenses on our website www.iplex.com.au.



Determining pipe wall temperature

Above-ground polyethylene pipes absorb and disperse thermal energy through various mechanisms. Solar radiation heats the pipe, while re-radiation, convection, and conduction to the conveyed fluid cool it. Several factors influence pipe temperature, including:

- **Solar radiation:** Intensity varies with time of day, cloud cover, latitude, altitude, season, and pipeline orientation.

- **Environmental conditions:** Wind velocity and ambient temperature.
- **Flow characteristics:** Flow rate and nature of the conveyed fluid.

Pipeline designers should refer to AS/NZS 2033 'Design and installation of polyolefin pipe systems' for detailed information on temperature considerations and methods for determining pipe wall temperature.

4.0 Pipeline design

4.1 Hydraulic design

Iplex polyethylene pipes are used in gravity drainage, gravity pressure and pumped pressure applications.

In any hydraulic system, the choice of pipe diameter and pressure class will depend on the following factors including:

- The required flow rate including any planned future increases.
- The friction losses caused by the pipes and fittings.
- The fluid type.
- The longitudinal section of the proposed pipeline route.
- In the case of pressurised gravity systems, the available head differential.
- Estimated water hammer and surges caused during normal operation and due to power failure.
- Specified field and test pressures.
- Environmental factors including temperature, pressure and elevation.
- AS 2200 nominates a Colebrook-White k-value for thermoplastics pipes in the range of 0.003 - 0.015mm.

To assist designers in their pipe size and pressure class decision making, Iplex provides a web based Hydraulic Design Tool which is free to use following a brief registration. This is available at the help and support tab available at www.iple.com.au. A suite of tools is available here under our Pocket Engineer platform.

4.2 Structural design – buried installation

In engineering terms, Poliplex polyethylene pipes are classified as flexible and will deflect in response to the applied loads. The amount of deflection is highly dependent upon the support from the surrounding embedment materials and to a lesser degree the stiffness of the pipe. Structural design methods therefore focus on the combined system of pipe and surrounding soil, checking that deflection does not exceed design limits and ensuring buckling of the pipe does not occur. The Australian standard AS/NZS 2033 "Design and Installation of Polyolefin Pipe Systems" and AS/NZS 2566.1 "Design of Buried Flexible Pipelines" provide detailed guidance on design and installation of PE pipe systems.

Iplex offers Structural Design Tools to assist designers with pipe stiffness selection and installation specifications for both AS/NZS 2033 and AS/NZS 2566.1. These tools are available for free under the 'help and support' tab at www.iple.com.au.



5.0 Installation

5.1 Handling and storage

Poliplex polyethylene pipes and fittings are lightweight and easy to handle compared to many other materials. They are resilient, flexible, and impact-resistant. However, they can be scored by sharp edges and may distort under load, especially at higher temperatures. Therefore, proper care must be taken during handling and storage.

Handling guidelines

- **Avoid rough handling:** Do not drop, indent, crush, or impact pipes and fittings. Handle them gently during loading and unloading.
- **Temperature precautions:** Do not store or transport pipes and fittings near heat sources such as engine exhausts, boilers, naked flames, or hot water/steam lines.
- **Cold temperature care:** While PE is resistant to low temperatures, its impact resistance decreases below 0°C. Handle with extra care to prevent damage in cold conditions.
- **Slippery conditions:** Pipes and fittings can become slippery in wet or frosty conditions. Exercise caution when handling.

Storage and transport

- **Chemical contact:** Avoid contact with oils, petrol, solvents, or chemicals that could adversely affect performance.
- **Avoid deep scratches:** For pressure applications, prevent scores or scratches deeper than 10% of the wall thickness.
- **Coiling:** Maintain coil diameter at or above the specified minimum to prevent kinks. Avoid sharp objects that could score the pipe during uncoiling or recoiling.
- **Combustibility:** Polyethylene is combustible, but any type of fire extinguisher can be used.
- **Lifting equipment:** Use only selected and inspected webbing slings for lifting pipes by crane. Vacuum lifting is acceptable, but avoid chains, wire ropes, and hooks.
- **Inventory management:** Follow the 'first in, first out' principle for storing and issuing pipes and fittings.
- **Sunlight protection:** Pipes of colour other than black, including striped black pipes, must be protected from elevated temperatures and direct sunlight during storage and transport, especially if stored for more than 2 years.
- **Support:** Ensure straight pipe lengths are continuously and evenly supported during storage or transport to minimize distortion.

- **Sunlight exposure:** Differential heating and cooling from sunlight can cause significant movement and potential falling of pipes stored on racks. Ensure pipes are well restrained and unable to fall when stored in elevated racks.
- **Stacking timber-framed packs:** Stack frames close together and alternate evenly. Avoid stacking packs with widely differing frame spacing and do not align the bearers vertically to prevent instability. The maximum free height should prevent permanent deformation and ensure sideways stability. For larger diameter pipes, brace the ends with internal supports to prevent distortion.
- **Avoid sharp sections:** Prevent indentations or scoring by avoiding sharp sections bearing against the pipes.
- **End treatments:** Pipes with treatments like belling, forming, flanging, or pre-assembled fittings should be stacked with ends free from loading and protected from damage.
- **Stacking different SDRs:** When stacking different SDRs of pipe, place the lowest SDR (thickest wall) at the bottom. Pipes may be nested inside each other for transport or storage provided no distortion occurs.
- **Transport restraints:** Pipes must not be restrained in a manner likely to cause damage. However, nested pipes can move in transit, so use load restraining methods such as blocking or appropriate capping of the ends.

5.2 Lifting, handling, storage and transport of straight lengths

- Ensure all handling, storage, and transport practices adhere to the above guidelines to maintain the integrity and performance of Poliplex pipes and fittings.

For further details, please refer to the specific handling and storage sections in the technical guide.



Lifting guidelines

- **Forklift use:** Individual pipes or packs up to 6 metres in length can be lifted by a properly load-rated forklift.
- **Long pipe handling:** For pipes or pipe packs exceeding 6 metres, use two lifting points or spreader bars to prevent drooping and scuffing of pipe ends.
- **Exclusion zones:** Establish personnel exclusion zones of at least 3 metres from the end of the load plus one metre for each metre the product is raised to avoid injury if the pipe slips.

5.3 Lifting, handling, storage and transport of coils

Safety considerations

- **Heavy coils:** Coiled polyethylene pipes with diameters of 63mm or greater are heavy and pose handling and storage risks. Falling or slipping coils can cause serious injury or death, especially when stored vertically.
- **Proper equipment:** Unloading these heavier coils requires cranes, forklifts, or crane-trucks at the delivery site.

Storage and transportation

- **Flat storage:** Coiled pipes can be stored and transported flat on a continuous surface like pallets. Ensure storage height is such that the bottom layers do not become distorted.
- **Vertical storage:** Coiled pipes may also be stored in a near vertical position. Ensure the support structure is strong enough to withstand the load and prevent damage to the external loops during transport.

Uncoiling procedure

- **Controlled release:** Coils are under tension and must be released slowly and controlled. Use a forklift or crane to support the coil and prevent unexpected release.
- **Restrain and release:** Keep the end of the coil restrained at all times. Release the straps steadily, one at a time. If the coil has multiple bands, release them sequentially starting from the outer layers.
- **Stored energy:** The amount of energy stored in the coil varies with the pipe size, class, and coil size. This energy can be substantial and pose significant risks if released uncontrolled.
- **Safe positioning:** The person releasing the straps should stand at a safe position to the side of the coil, away from the line of release.



5.4 Lifting, handling, storage and transport of compression, mechanical and fabricated fittings

Compression, mechanical, and fabricated fittings must be stored, handled, and transported in a way that prevents scoring or damaging sealing surfaces. Wherever possible, keep fittings in their original packaging until they are ready to be used. To prevent damage or injury, larger fittings should be strapped securely to pallets.

When cutting metal or PET strapping, take care to avoid injury. Strapping can flick back unexpectedly, potentially causing facial or eye injuries. Always wear appropriate PPE, such as gloves, safety glasses, and protective clothing, when handling these materials.

5.5 Lifting, handling, storage and transport of electrofusion fittings

Electrofusion (EF) fittings are individually sealed in transparent PE plastic bags and packaged in cardboard cartons to protect the welding surface from contamination and UV radiation. Handle cartons and pallets containing these fittings using standard safe working practices. Store fittings in their original packaging until immediately before use to prevent contamination and UV damage to the fusion zone.

Ensure fittings are stored in a clean, dry, and shaded environment to prevent dirt, liquids, and other contaminants from affecting the fusion zone, which can cause joint failure post-installation. If a fitting becomes contaminated or has a damaged bag, clean it thoroughly with a manufacturer-approved alcohol wipe, following the Plastics Industry Pipe Association of Australia's Technical Guideline POP001.

Store large diameter EF couplings resting flat on the mouth of their socket to prevent heating wire dislocation and ovality deviation.

Table 5.1: Maximum spacing of sliding supports for pressure pipe conveying water at 20°C.

Nominal outside diameter of pipe (mm)	Recommended maximum spacing of supports (metres)	
	Horizontal or graded pipes	Vertical pipes
16	0.50	1.00
20	0.60	1.20
25	0.70	1.40
32	0.75	1.50
40	0.85	1.70
50	0.90	1.80
63	1.05	2.10
75	1.20	2.40
90	1.35	2.70
110	1.50	3.00
125	1.70	3.40
140	1.70	3.40
160	2.00	4.00
180	2.20	4.40
200	2.30	4.60
225	2.50	5.00
250	2.60	5.20
≥280	3.00	6.00

Note: Sliding supports must provide a guide without restraint for the axial movement of pipes subject to thermal expansion and contraction. To prevent distortion and/or point-load stress, the support must allow for a pipe to be surrounded with a layer of flexible material.

Heavy fittings, such as valves, must be supported independently. Large plastics fittings (e.g. flanges with metal backing rings) must be supported on each side. Where pipes are continuously supported, flanged connections and other protrusions must be allowed room for movement.

For detailed information pertaining to fixed supports and expansion joint requirements, please refer to AS/NZS 2033.

Table 5.2: Maximum spacing of supports for non-pressure pipes conveying water at 20°C.

Nominal outside diameter of pipe (mm)	Recommended maximum spacing of supports (metres)	
	Horizontal grade of pipes	Vertical pipes
32	0.90	1.80
40, 50	1.00	2.00
63 to 160	1.20	2.50
>160	1.50	3.00

Note: Pipes must be supported at, or adjacent to, every bend, including fittings where pipe systems emerge from a wall.

For hot non-pressure pipes, the supports must be at spacings not exceeding half the distances set out above.

For detailed information pertaining to fixed supports and expansion joint requirements, please refer to AS/NZS 2033.

5.6 Installing pipes on a curved alignment

The installation of buried pipeline systems often requires the pipeline to follow a curved path, such as along a road or around fixed obstacles like power poles. Coiled PE pipes or pipe strings formed by butt-welding multiple lengths can be cold-bent in the field to achieve the desired curvature. The minimum allowable radius of curvature depends on the pipe diameter (DN), temperature, and SDR (wall thickness).

Refer to Table 5.3 for the minimum bending radii for Poliplex pipe installations on curved alignments at 25°C. For detailed information on weld cooling time prior to curving, handling pipelines with flanged connections or electrofusion fittings, curving pipes at other temperatures, and trench support requirements, consult PIPA Technical Guidelines POP202 "PVC, PP and PE Pressure Pipe Installation on Curved Alignments" and POP007 "Flanged Joints for Polyethylene (PE) Pipe." These guidelines are available at www.pipa.com.au.

Table 5.3: Minimum bending radii

Pipe SDR	Minimum bend radius
9	12 x DN
11	15 x DN
13.6	21 x DN
17	25 x DN
21	35 x DN
26	45 x DN
33	65 x DN

5.7 Polyethylene safe axial (pulling) loads

Table 5.4: Safe short-term axial (pulling) loads of Poliplex PE100 pipe at 25°C

SDR	13.6	11	9	7.4
PN for PE100	12.5	16	20	25
DN50	4.3	5.2	6.2	7.3
DN63	6.8	8.2	9.9	11.7
DN75	9.6	11.7	14.0	16.5
DN90	13.9	16.8	20.1	23.8
DN110	20.7	25.1	30.0	35.5
DN125	26.8	32.5	38.8	45.9
DN140	33.6	40.7	48.7	57.6
DN160	43.8	53.2	63.5	75.2
DN180	55.5	67.3	80.4	95.2
DN200	68.5	83.1	99.3	117.5
DN225	86.7	105.2	125.7	148.7
DN250	107.0	129.8	155.1	183.6
DN280	134.2	162.8	194.6	230.3
DN315	169.9	206.1	246.3	291.5
DN355	215.8	261.8	312.8	370.2
DN400	273.9	332.3	397.2	470.0
DN450	346.7	420.6	502.7	594.8
DN500	428.0	519.3	620.6	-
DN560	536.9	651.4	778.4	-
DN630	679.5	824.4	985.2	-
DN710	863.1	1047.1	1251.3	-
DN800	1095.8	1329.3	1588.6	-
DN900	1386.8	1682.4	-	-
DN1000	1712.1	2077.11	-	-

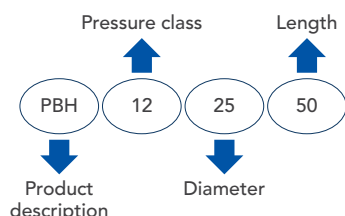
Note: The nominated loads are for short-term (<24h) time periods at a pipe wall temperature not exceeding 25°C.

Tensile strain must be monitored during pulling operations and must not be allowed to exceed 4% elongation.

The safe loads nominated are intended for straight-line pull-back only. Pulling around curved trajectories may result in unanticipated capstan forces developing leading to pipe ovalisation, which will significantly reduce the pipe's buckling resistance.

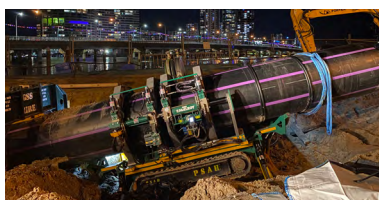
6.0 Product codes explained

The Iplex product code for Poliplex pipe generally take the sequence of Product Type, Pressure Class, Diameter and Length as per the example below:



PBH122550

PE100 BlueLine PN12.5
DN25 50m coil



The tables below outline some of the available product code types, pressure class, diameter and lengths. For more information please contact an Iplex Representative.

Product

Product description	Product code
PE100 Poliplex Black	POH
PE100 Poliplex BlueLine	PBH
PE100 Poliplex Purple Stripe	PLH
PE100 Poliplex Cream Stripe	PCH
PE100 Thermapipe White Coex	PHX
PE100 Blue Coex	PHXB
PE 100 Purple Coex	PHXL
PE100 Poliplex Gas	PYLH
Economy Rural Greenline	PICH

Pressure class and diameter

Pressure class	
PN	Code
6.3	06
8	08
10	10
12.5	12
16	16
20	20
25	25
32	32

Diameter	
DN	Code
16	16
20	20
25	25
32	32
40	40
50	50
63	63
75	75
90	90
110	110
125	125
140	140
160	160
180	180
etc..	etc..
2000	2000

Coils	
Metres	Code
25	25
50	50
100	100
150	150
200	200

Straights	
Metres	Code
6	F
12	M
15	Q
20	QE

7.0 Frequently asked questions

The following is a sample of commonly asked questions pertaining to Poliplex pipe and fittings. Should additional information be required, please refer to our website www.iplex.com.au or contact the Iplex Team.

Are Poliplex pipes resistant to ultraviolet (UV) radiation?

Yes, Poliplex AS/NZS 4130 pipes contain carbon black and/or chemical stabilizers to protect against UV radiation. Black pipes are suitable for long-term sunlight exposure. Coloured and striped pipes can be stored in direct sunlight for up to 2 years from the date of manufacture without performance issues, although some colour change may occur. For long-term above-ground use, such as in mining, we recommend white-jacketed Thermapipe.

Do I need thrust blocks or other forms of restraint on Poliplex pipelines?

Generally, no. Poliplex pipelines are fully welded or mechanically restrained at joints. However, thrust restraint may be needed where Poliplex pipelines connect to rubber-ring jointed pipelines, valves, or other non-restrained fittings. Refer to AS/NZS 2033 *"Design and installation of polyolefin pipe systems"* for more information.

How do I pressure test Poliplex pipelines?

Polyethylene pipes require a different testing procedure than PVC, steel, or ductile iron pipes due to their hoop strain and viscoelastic properties. Incorrect procedures may falsely indicate failure. Detailed test methods and examples are available in AS/NZS 2033 *"Design and installation of polyolefin pipe systems."*

Can I use Poliplex pipes to convey compressed air?

Yes, but the pipes need to be re-rated for compressed air due to stored energy and elevated temperatures. The pipe markings must indicate "Compressed Air." Refer to POP002 *"Polyethylene (PE) Pipe and Fittings for Compressed Air"* at www.pipa.com.au and AS/NZS 2033 for guidance.

What is the maximum temperature for Poliplex pipe usage?

Polyethylene pressure pipes need re-rating for temperatures above 25°C. Guidance on maximum operating pressure at various temperatures is in Section 2.3 of this technical guide. For temperatures over 45°C, the expected service life of Poliplex pipes is reduced. In exposed or shallow installations, pipe wall temperatures may exceed 45°C during warmer months. Consult AS/NZS 2033 for more information.

Are Poliplex pipes affected by chemicals?

Polyethylene is highly chemical-resistant, but some chemicals can degrade it, especially under certain conditions like high temperature or tensile stress. Refer to AS/NZS 2033, POP201, POP018, and TN008 available at www.pipa.com.au. Our Chemical Resistance Tool at www.pocketengineer.com.au also provides guidance on over 300 chemicals.

Do I need special training for butt-fusion or electrofusion welding?

Yes. Welding by untrained operators often leads to joint failure. AS/NZS 2033 requires welders to be competent and have completed relevant training (PMBWELD 301 for butt fusion, PMBWELD 302 for electrofusion) within the last three years. For guidance, see AS/NZS 2033, POP001, and POP003 at www.pipa.com.au. PIPA member qualified training providers are listed on their website.

Can I use an electrofusion fitting that has been removed from its original plastic bag?

No. Contamination and UV exposure can render the fitting unusable. The fittings should only be removed from their packaging immediately before welding to maintain the manufacturer's warranty.

What can I use to clean electrofusion fittings before welding?

Clean the bore of the fitting with approved ethanol or iso-propanol wipes. Personal cleaning wipes, methylated spirits, acetone, and other solvents are not suitable. Avoid touching the fusion surfaces with bare hands. Refer to [POP001](http://www.pipa.com.au) for detailed cleaning instructions.

How do I weld coiled pipe that has become oval?

Coiled and stacked pipes can become oval. Use appropriate tools to re-round them before welding. Iplex can recommend suitable tooling.

What is the difference between SDR and PN ratings?

SDR (Standard Dimensional Ratio) is the ratio of a pipe's nominal outside diameter to its wall thickness. PN (Pressure Nominal) indicates the maximum pressure the pipe can handle at 20°C. For example, DN110 PE100 SDR11 pipe has a PN16 rating for water. The same pipe may have a different pressure rating for other fluids or if made from a different resin. Use DN, resin grade, and SDR to specify pipe size and grade.

Where can I find information about using stub flanges for polyethylene or connections to other materials?

Refer to AS/NZS 4129 for geometric and performance requirements of flange adaptors and full-faced flanges used to connect different materials. Understand the implications of mismatched flange faces on sealing surface area, gaskets, bolts, and installation equipment.

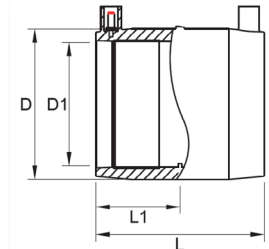
Where can I find information on calculating flange bolt torques for PE and other flange types?

Detailed guidelines are available in POP007 *"Flanged Joints for Polyethylene (PE) Pipe"* at www.pipa.com.au. Iplex also offers bespoke software for pipeline design, available at www.iplex.com.au under the "help and support" section. For further assistance, contact our Sales Engineers.

8.0 Electrofusion couplings

8.1 Electrofusion couplings

- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20-400
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129

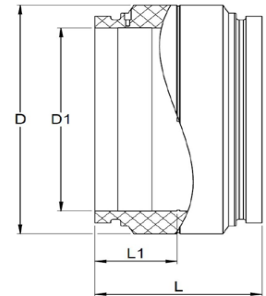


Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG0720	20	77	37.5	29	20	35	3	0.04
EG0725	25	77	37.5	33.5	25	30	3	0.04
EG0732	32	77	37.5	43	32	45	3	0.06
EG0740	40	91	44	51.5	40	40	5	0.09
EG0750	50	91	44	61.5	50	90	5	0.1
EG0763	63	102	50	78	63	35	5	0.17
EG0775	75	122	59.5	92.5	75	50	5	0.27
EG0790	90	122	60	109.5	90	90	10	0.39
EG07110	110	144	70	133	110	160	10	0.57
EG07125	125	154	75	151	125	200	15	0.79
EG07140	140	165	81	173	140	160	10	1.12
EG07160	160	175	86	195	160	300	20	1.41
EG07180	180	187	92	219	180	360	20	1.92
EG07200	200	187	92	242	200	440	20	2.31
EG07225	225	222	111	270	225	600	30	3.65
EG07250	250	222	111	303	250	900	30	4.8
EG07280	280	260	130	345.5	280	900	30	8.28
EG07315	315	260	130	388	315	1140	30	9.9
EG07355	355	265	132.5	431	355	1200	30	11.95
EG07400	400	290	145	486	400	1680	30	16.95

Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
Electrofusion couplings continued								
EG0720	20	77	37.5	29	20	35	3	0.04
EG0725	25	77	37.5	33.5	25	30	3	0.04
EG0732	32	77	37.5	43	32	45	3	0.06
EG0740	40	91	44	51.5	40	40	5	0.09
EG0750	50	91	44	61.5	50	90	5	0.1
EG0763	63	102	50	78	63	35	5	0.17
EG0775	75	122	59.5	92.5	75	50	5	0.27
EG0790	90	122	60	109.5	90	90	10	0.39
EG07110	110	144	70	133	110	160	10	0.57
EG07125	125	154	75	151	125	200	15	0.79
EG07140	140	165	81	173	140	160	10	1.12
EG07160	160	175	86	195	160	300	20	1.41
EG07180	180	187	92	219	180	360	20	1.92
EG07200	200	187	92	242	200	440	20	2.31
EG07225	225	222	111	270	225	600	30	3.65
EG07250	250	222	111	303	250	900	30	4.8
EG07280	280	260	130	345.5	280	900	30	8.28
EG07315	315	260	130	388	315	1140	30	9.9
EG07355	355	265	132.5	431	355	1200	30	11.95
EG07400	400	290	145	486	400	1680	30	16.95

8.2 Electrofusion large bore couplings

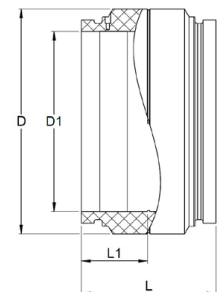
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d450-630
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129
- Couplings greater than 500mm in diameter require two electrofusion cycles (dual shot), one for each end of the fitting.



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG07450	450	320	160	560	450	1380 X 2	30	21
EG07500	500	360	180	621	500	1800 X 2	30	33
EG07560	560	390	195	695	560	960 X 2	45 X 2	39
EG07630	630	430	215	780	630	1620 X 2	45 X 2	53

8.3 Electrofusion extra large bore couplings

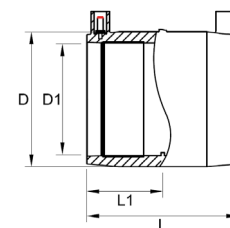
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d710-1200
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129
- Couplings greater than 500mm in diameter require two electrofusion cycles (dual shot), one for each end of the fitting.



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG07710	710	475	237.5	882	-	-	-	72.45
EG07800	800	520	260	993	-	-	-	102.49
EG07900	900	550	275	1115	-	-	-	137.93
EG071000	1000	600	300	1238	-	-	-	193.5
EG071200	1200	650	325	1483	-	-	-	285.4

8.4 Electrofusion couplings lightfit

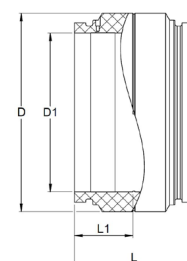
- SDR17 - Water pn10 @ 20°C
- d20-400
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG0710110	110	144	70	133	110	100	10	0.57
EG0710125	125	154	75	151	125	160	10	0.79
EG0710160	160	175	86	195	160	240	20	1.41
EG0710180	180	187	92	219	180	300	15	1.92
EG0710200	200	187	92	242	200	360	15	2.31
EG0710250	250	222	111	289	250	600	30	3.16
EG0710315	315	260	130	360	315	900	30	5.85
EG0710400	400	290	145	460	400	1800	30	11.02

8.5 Electrofusion large bore couplings lightfit

- SDR17 - water PN10 @ 20°C
- d450-630
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG0710450	450	320	160	521	450	1380 X 2	30 X 2	15
EG0710500	500	360	180	579	500	1800 X 2	30 X 2	20
EG0710560	560	390	195	639	560	960 X 2	45 X 2	26
EG0710630	630	430	215	723	630	1380 X 2	45 X 2	35

8.6 Electrofusion extra large bore couplings lightfit

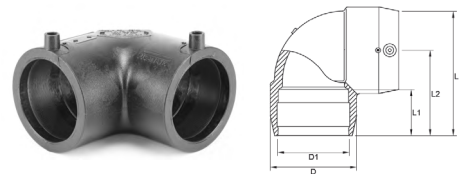
- SDR17 - water PN10 @ 20°C
- d710-1400
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG0710710	710	475	237.5	819	700	1980	60	49.37
EG0710800	800	520	260	921	800	2400	60	69.18
EG0710900	900	550	275	1035	900	3300	60	93.15
EG07101000	1000	600	300	1149	1000	4200	75	125.65
EG07101200	1200	650	325	1376	1200	-	-	196.45
EG07101400	1400	700	0	1603	1400	-	-	316.12

8.7 Electrofusion 90° elbow

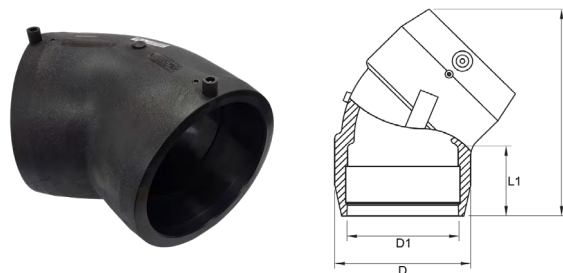
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20-250
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129
- Larger sizes can use long spigot elbows or sweep bends and E/F couplings



Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG102090	20 X 90°	77	40	62	30	20	25	5	0.06
EG102590	25 X 90°	76	41	60	35	25	30	5	0.07
EG103290	32 X 90°	84	40	62	44	32	60	5	0.1
EG104090	40 X 90°	91	42	65	52	40	50	5	0.12
EG105090	50 X 90°	103	45	72	63	50	90	5	0.17
EG106390	63 X 90°	123	50	84	80	63	35	5	0.31
EG107590	75 X 90°	141	53	92	95	75	70	5	0.44
EG109090	90 X 90°	165	60	109	113	90	90	10	0.68
EG1011090	110 X 90°	204	73	135	137	110	160	15	1.15
EG1012590	125 X 90°	228	75	152	154	125	200	15	1.64
EG1016090	160 X 90°	311.5	87	211.5	201	160	360	20	4.22
EG1018090	180 X 90°	308	90	197	222	180	360	20	4.65
EG1020090	200 X 90°	335	90	213	243	200	440	20	5.65
EG1022590	225 X 90°	376	100	239	274	225	600	30	7.4
EG1025090	250 X 90°	409	109	257	304	250	900	30	10.69

8.8 Electrofusion 45° elbows

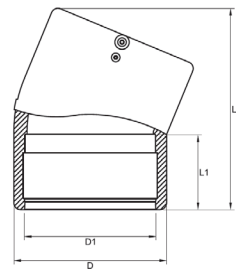
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20-400
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG102045	20 x 45°	77	40	30	20	25	3	0.15
EG102545	25 x 45°	76	41	35	25	30	5	0.06
EG103245	32 x 45°	99	39	44	32	45	5	0.082
EG104045	40 x 45°	108	41.5	53	40	50	5	0.104
EG105045	50 x 45°	124	44.5	64	50	90	5	0.139
EG106345	63 x 45°	137	50	78.5	63	35	5	0.234
EG107545	75 x 45°	165	54	94	75	70	5	0.351
EG109045	90 x 45°	177	60	117	90	110	10	0.55
EG1011045	110 x 45°	213	75	137	110	140	10	0.93
EG1012545	125 x 45°	240	81	154	125	140	10	1.276
EG1016045	160x 45°	287.2	89	201	160	360	20	2.64
EG1018045	180 x 45°	299	90	222	180	360	20	3.25
EG1020045	200 x 45°	350	90	243	200	440	20	4.6
EG1022545	225 x 45°	377	100	274	225	600	30	5.6
EG1025045	250 x 45°	421	109	304	250	900	30	8.35

8.9 Electrofusion 22° elbow

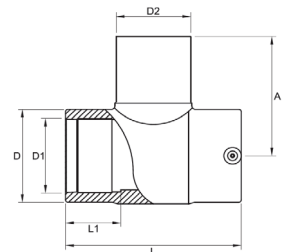
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d180
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG1018022	180 X 22.5°	278	105	213	180	220	20	2.89

8.10 Electrofusion equal tee

- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20 - 250
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129
- Larger sizes can use long spigot equal tees and E/F couplings

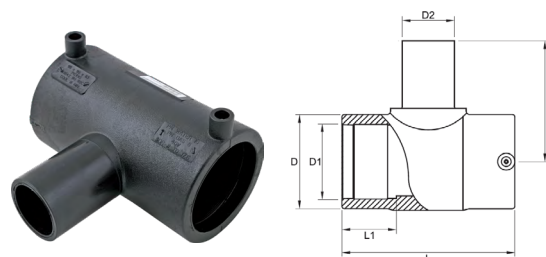


Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	D2 mm	A mm	Fusion time secs	Cooling time mins	Weight kg
EG1920	20 X 20 X 20	98	35	30	20	20	86	25	5	0.055
EG1925	25 X 25 X 25	98	35	35	25	25	88.5	25	5	0.066
EG1932	32 X 32 X 32	98	30	44	32	32	93	50	5	0.097
EG1940	40 X 40 X 40	131	44	52	40	40	91	50	5	0.165
EG1950	50 X 50 X 50	141	43	63	50	50	104	90	5	0.23
EG1963	63 X 63 X 63	156	50	82	63	63	118	40	5	0.437
EG1975	75 X 75 X 75	174	55	97	75	75	134	50	10	0.63
EG1990	90 X 90 X 90	207	64	115	90	90	150	110	10	0.97
EG19110	110 X 110 X 110	239	73	139	110	110	168	140	10	1.65
EG19125	125 X 125 X 125	264	80	156	125	125	182	200	15	2.3
EG19160	160 X 160 X 160	313	89	200	160	160	213.5	360	20	4
EG19180	180 X 180 X 180	334	90	222	180	180	232	360	20	5.35
EG19200	200 X 200 X 200	358	90	242	200	200	260	440	20	6.77
EG19225	225 X 225 X 225	406	105	271	225	225	285	600	30	9.38
EG19250	250 X 250 X 250	448	109	303	250	250	314	900	30	13.35

Note: the spigot leg of the tee does not come with inherent wires so needs to be either butt-welded or electrofused by another E/F coupling.

8.11 Electrofusion reducing tees

- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20X32 - 180X125
- 4.0mm pin
- PE100
- Larger sizes can use long spigot reducing tees and E/F couplings
- Complies to AS/NZS 4129



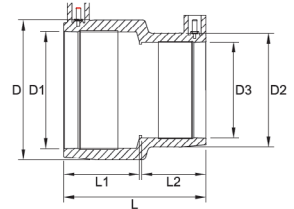
Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	D2 mm	A mm	Fusion time secs	Cooling time mins	Weight kg
EG192032	20 X 20 X 32	98	35	44	20	32	88	30	3	0.13
EG192532	25 X 25 X 32	98	35	44	25	32	88	35	3	0.133
EG195040	50 X 50 X 40	146	49	67	50	40	100	120	10	0.289
EG196340	63 X 63 X 40	156	50	82	63	40	105.5	40	5	0.4
EG196350	63 X 63 X 50	156	50	82	63	50	111.5	40	5	0.42
EG199063	90 X 90 X 63	206	63.5	115	90	63	135	110	10	0.88
EG1911063	110 X 110 X 63	239	73	142	110	63	147	140	10	1.47
EG1911090	110 X 110 X 90	239	73	139	110	90	162	140	10	1.55
EG1912563*	125 X 125 X 63	264	80	156	125	63	365	200	15	2.9
EG1912590	125 X 125 X 90	264	80	156	125	90	179	200	15	2.28
EG19125110*	125 X 125 X 110	264	80	156	125	110	365	200	15	3.05
EG1916063*	160 X 160 X 63	365	89	200	160	63	630	360	20	5.6
EG1916090*	160 X 160 X 90	313	89	200	160	90	450	360	20	5.3
EG19160110	160 X 160 X 110	313	89	200	160	110	203.5	360	20	3.73
EG19160125*	160 X 160 X 125	313	89	200	160	125	450	360	20	5.5
EG19180125	180 X 180 X 125	334	90	222	180	125	222	360	20	4.85

*Items will need to be ordered as tees + E/f reducers to make up this size.

Note: the spigot leg of the tee does not come with inherent wires so needs to be either butt-welded or electrofused by another E/F coupling.

8.12 Electrofusion reducers

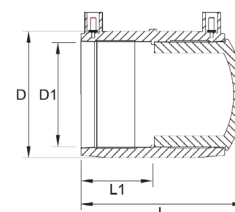
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d22X20 - 180X125
- 4.0mm pin
- PE100
- Larger sizes can use a long spigot reducer and E/F couplings
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	L2 mm	D2 mm	D3 mm	Fusion time secs	Cooling time mins	Weight kg
EG082520	25 X 20	77	38.5	34	25	36.5	29	20	35	3	0.04
EG083220	32 X 20	77	38.5	43	32	36.5	29	20	40	3	0.05
EG083225	32 X 25	77	38.5	43	32	36.5	34	25	30	3	0.06
EG084032	40 X 32	91	46	52	40	41	43	32	50	5	0.08
EG085032	50 X 32	91	46.5	62	50	41	43	32	60	5	0.09
EG085040	50 X 40	91	46.5	62	50	41	52	40	60	5	0.1
EG086332	63 X 32	102	52	77	63	41	43	32	90	5	0.14
EG086340	63 X 40	102	52	77	63	43	52	40	70	5	0.14
EG086350	63 X 50	102	52	77	63	45.5	62	50	120	10	0.15
EG087563	75 X 63	126	63	97	75	58.5	82	63	80	10	0.31
EG089063	90 X 63	123	62	109.5	90	53	77	63	80	5	0.31
EG0811063	110 X 63	137	75	140	110	54	82	63	120	10	0.59
EG0811090	110 X 90	137	70	134	110	62	109.5	90	120	10	0.55
EG0812590	125 X 90	145	76	152	125	62	109.5	90	160	10	0.73
EG0816090	160 X 90	175	90	200	160	67	116	90	300	20	1.51
EG08160110	160 X 110	186	90	200	160	78	140	110	320	20	1.61
EG08180125	180 X 125	221	101	216	180	83	157	125	220	10	2.16

8.13 Electrofusion end caps

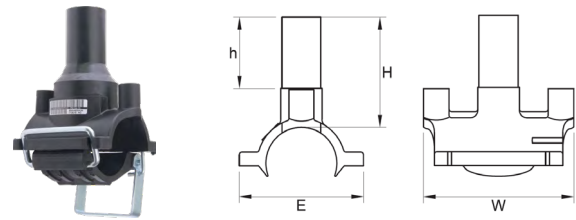
- **SDR11** - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20 - 250
- 4.0mm pin
- PE100
- Larger sizes can be capped off using a long spigot end cap and E/F coupling
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	D mm	D1 mm	Fusion time secs	Cooling time mins	Weight kg
EG0620	20	82	37.5	29	20	35	3	0.05
EG0625	25	82	37.5	33.5	25	30	3	0.05
EG0632	32	84	37.5	43	32	45	3	0.08
EG0640	40	97	44	51.5	40	40	5	0.12
EG0650	50	101	44	61.5	50	90	5	0.14
EG0663	63	115	50	78	63	35	3	0.25
EG0675	75	133	59.5	92.5	75	50	5	0.38
EG0690	90	138	60	109.5	90	90	10	0.55
EG06110	110	164	70	133	110	160	10	0.89
EG06125	125	175	75	151	125	200	15	1.22
EG06140	140	208	81	173	140	160	10	1.9
EG06160	160	202	86	195	160	300	20	2.24
EG06180	180	214	92	219	180	360	20	3.13
EG06200	200	215	92	242	200	440	20	3.85
EG06225	225	251.7	111	270	225	600	30	6
EG06250	250	259.5	111	303	250	900	30	7.73

8.14 Electrofusion branch saddle with underpart – 20 - 63mm outlets

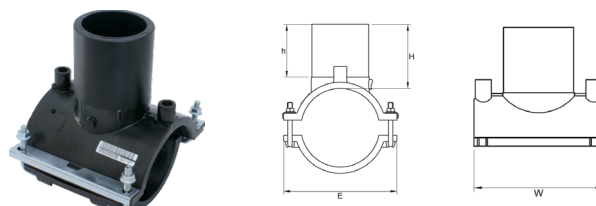
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d40X20 - 90X63
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	H mm	h mm	W mm	E mm	Fusion time secs	Cooling time mins	Weight kg
EG514020	40 X 20	93	51	103	83	50	5	0.19
EG514025	40 X 25	90	52	103	83	50	5	0.19
EG514032	40 X 32	90	57	103	83	50	5	0.19
EG516320	63 X 20	90	50	122	105	140	10	0.31
EG516325	63 X 25	106	59	122	105	140	10	0.31
EG516332	63 X 32	106	59	122	105	140	10	0.31
EG519020	90 X 20	91	51	136	133	140	10	0.44
EG519025	90 X 25	91	51	136	133	140	10	0.44
EG519032	90 X 32	91	51	136	133	140	10	0.44
EG519040	90 X 40	105	69	136	133	140	10	0.45
EG519050	90 X 50	105	82	136	133	140	10	0.47
EG519063	90 X 63	105	88	136	133	140	10	0.5

8.15 Electrofusion branch saddle with underpart – 90 - 125mm outlets

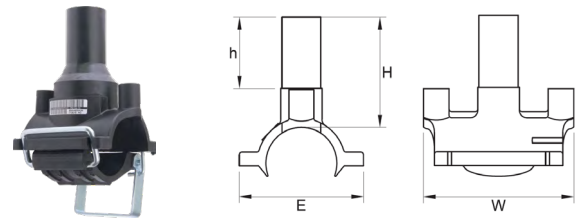
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d90X90 - 250X125
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	H mm	h mm	W mm	E mm	Fusion time secs	Cooling time mins	Weight kg
EG519090	90 X 90	124	84	144	154	80	10	1.19
EG5111090	110 X 90	121	84	165	180	120	10	1.22
EG5112590	125 X 90	114	84	165	180	120	10	1.16
EG5116090	160 X 90	110	84	215	236	120	10	2.09
EG51160110	160 X 110	120	84	165	236	120	10	2.17
EG5118090	180 X 90	100	84	215	236	120	10	1.94
EG51180110	180 X 110	121	87	217	236	120	10	2.03
EG51180125	180 X 125	121	98	217	236	120	10	2.16
EG5120090	200 X 90	115	84	165	263	120	10	1.99
EG5122590	225 X 90	113	84	165	291	120	10	2.19
EG51225125	225 X 125	123	98	310	327	500	30	7.7
EG5125090	250 X 90	120	84	165	317	120	10	2.67
EG51250125	250 X 125	110	98	310	327	500	30	6.97

8.16 Electrofusion branch saddle with underpart – 20 - 63mm outlet

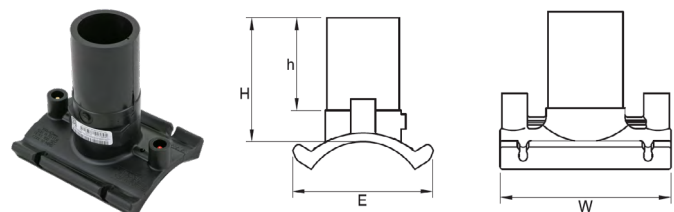
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d40X20 - 90X63
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	H mm	h mm	W mm	E mm	Fusion time secs	Cooling time mins	Weight kg
EG514020	40 X 20	93	51	103	83	50	5	0.19
EG514025	40 X 25	90	52	103	83	50	5	0.19
EG514032	40 X 32	90	57	103	83	50	5	0.19
EG516320	63 X 20	90	50	122	105	140	10	0.31
EG516325	63 X 25	106	59	122	105	140	10	0.31
EG516332	63 X 32	106	59	122	105	140	10	0.31
EG519020	90 X 20	91	51	136	133	140	10	0.44
EG519025	90 X 25	91	51	136	133	140	10	0.44
EG519032	90 X 32	91	51	136	133	140	10	0.44
EG519040	90 X 40	105	69	136	133	140	10	0.45
EG519050	90 X 50	105	82	136	133	140	10	0.47
EG519063	90 X 63	105	88	136	133	140	10	0.5

8.17 Electrofusion branch saddle stackload 63mm outlet (requires top load saddle)

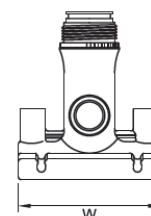
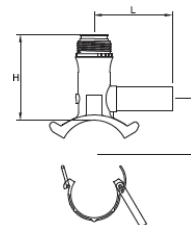
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d250X63 - 355X63
- 4.0mm pin
- PE100
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	H mm	h mm	W mm	E mm	Fusion time secs	Cooling time mins	Weight kg
EG5125063	250 X 63	125	75	146	122	110	10	0.36
EG5128063	280 X 63	140	75	146	122	120	10	0.37
EG5131563	315 X 63	140	75	146	122	120	10	0.38
EG5135563	355 X 63	140	75	146	122	120	10	0.39

8.18 Multiseal tapping tee with underpart - 20 - 32mm outlet (with tube)

- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- 4.0mm pin
- PE100
- d40X20 - 225X32
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	H mm	h mm	W mm	Fusion time secs	Cooling time mins	Weight kg
EG504020	40 X 20	105	110	50	120	40	3	0.38
EG504025	40 X 25	105	110	50	120	40	3	0.37
EG504032	40 X 32	105	110	50	120	40	3	0.37
EG505020	50 X 20	105	110	50	120	40	3	0.38
EG505025	50 X 25	105	110	50	120	40	3	0.38
EG505032	50 X 32	105	110	50	120	40	3	0.4
EG506320	63 X 20	105	119	62	120	80	10	0.52
EG506325	63 X 25	105	119	62	120	80	10	0.54
EG506332	63 X 32	105	119	62	120	80	10	0.53
EG507520	75 X 20	105	110	77	120	90	10	0.66
EG507525	75 X 25	105	110	77	120	90	10	0.68
EG507532	75 X 32	105	110	77	120	90	10	0.68
EG509020	90 X 20	105	110	77	120	90	10	0.6
EG509025	90 X 25	105	110	77	120	90	10	0.6
EG509032	90 X 32	105	110	77	120	90	10	0.62
EG5011020	110 X 20	105	117	87	120	80	10	0.64
EG5011025	110 X 25	105	117	87	120	80	10	0.65
EG5011032	110 X 32	105	117	87	120	80	10	0.65
EG5012520	125 X 20	105	117	95	120	80	10	0.65
EG5012525	125 X 25	105	117	95	120	80	10	0.66
EG5012532	125 X 32	105	117	95	120	80	10	0.67
EG5016020	160 X 20	105	122	112	120	100	10	0.73
EG5016025	160 X 25	105	122	112	120	100	10	0.73
EG5016032	160 X 32	105	122	112	120	100	10	0.71
EG5018020	180 X 20	105	122	122	120	100	10	0.74

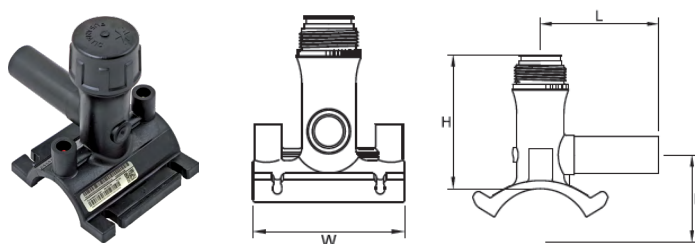
Multiseal tapping tee with underpart - 20 - 32mm outlet (with tube) continued

Iplex product code	Fitting size mm	L mm	H mm	h mm	W mm	Fusion time secs	Cooling time mins	Weight kg
EG5018025	180 X 25	105	122	122	120	100	10	0.75
EG5018032	180 X 32	105	122	122	120	100	10	0.73
EG5020020	200 X 20	105	122	132	120	100	10	0.71
EG5020025	200 X 25	105	122	132	120	100	10	0.73
EG5020032	200 X 32	105	122	132	120	100	10	0.73
EG5022520	225 X 20	105	122	145	120	100	10	0.76
EG5022525	225 X 25	105	122	145	120	100	10	0.78
EG5022532	225 X 32	105	122	145	120	100	10	0.78

The included cutter tube is applied when hot-tapping gas lines. The use of this will eliminate any leakage. For further information, please check with instructions provided.

8.19 E/F tapping saddle no underpart (requires topload clamp) 20 - 32mm outlet

- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d250X20 - 355X25
- 4.0mm pin
- PE100
- d40X20 - 225X32
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	H mm	h mm	W mm	Fusion time secs	Cooling time mins	Weight kg
EG5025020	*250 X 20	105	122	158	120	100	10	0.392
EG5025025	*250 X 25	105	122	158	120	100	10	0.39
EG5025032	*250 X 32	105	122	158	120	100	10	0.39
EG5028020	*280 X 20	105	122	176	120	100	10	0.43
EG5028025	*280 X 25	105	122	176	120	100	10	0.43
EG5028032	*280 X 32	105	122	176	120	100	10	0.43
EG5031520	*315 X 20	105	122	194	120	100	10	0.4
EG5031525	*315 X 25	105	122	194	120	100	10	0.41
EG5031532	*315 X 32	105	122	194	120	100	10	0.41
EG5035520	*355 X 20	105	122	214	120	100	10	0.41
EG5035525	*355 X 25	105	122	214	120	100	10	0.4

*These fittings require the topload clamp to install.



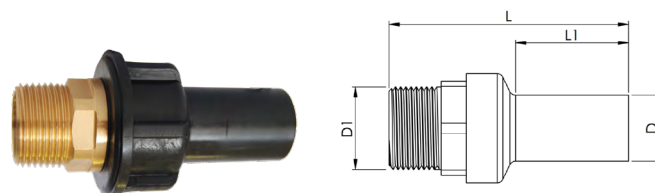
8.20 Top load clamp - for use on top loaded saddles

- Lightweight
- Universal
- Must be used in conjunction with the E/F tapping saddles above.

Iplex product code	Fitting size mm	L mm	H mm	h mm	W mm	Fusion time secs	Cooling time mins	Weight kg
EGTOPLOADCLAMPA	63-500	-	230	-	-	-	-	1

8.21 Transition adaptors male brass DZR

- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20X½" - 125X4"
- PE100
- Complies to AS/NZS 4129
- Thread type - Tapered BSP
- DZR grade brass

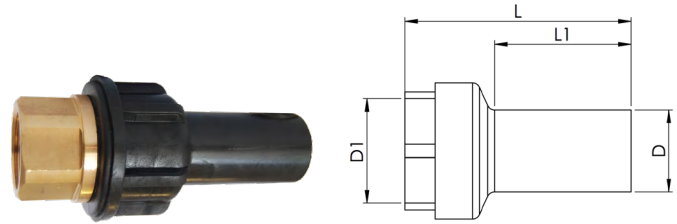


Thread Type - Tapered BSP

Iplex product code	Fitting size mm	L mm	L1 mm	W mm
PEAMI020015	20 X ½"	92	38	0.11
PEAMI020020	20 X ¾"	92	38	0.11
PEAMI025020	25 X ¾"	99	40	0.12
PEAMI032025	32 X 1"	110	44	0.18
PEAMI040032	40 X 1¼"	121	49	0.27
PEAMI050040	50 X 1½"	134	54	0.37
PEAMI063050	63 X 2"	150	63	0.59
PEAMI075063	75 X 2½"	165	73	0.89
PEAMI090075	90 X 3"	181	82	1.14
PEAMI110100	110 X 4"	194	84	1.86
PEAMI1125100	125 X 4"	202	92	3

8.22 Transition adaptors female brass DZR

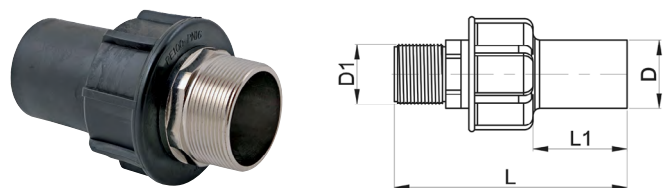
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20X1½" - 125X4"
- PE100
- Complies to AS/NZS 4129
- Thread type - Tapered BSPT



Iplex product code	Fitting size mm	L mm	L1 mm	W mm
PEAFI020015	20 X ½"	82	38	0.12
PEAFI020020	20 X ¾"	82	38	0.12
PEAFI025020	25 X ¾"	91	40	0.15
PEAFI032025	32 X 1"	100	44	0.2
PEAFI040032	40 X 1¼"	109	49	0.32
PEAFI050040	50 X 1½"	124	54	0.38
PEAFI063050	63 X 2"	141	63	0.6
PEAFI075063	75 X 2½"	163	73	0.9
PEAFI090075	90 X 3"	181	82	1.15
PEAFI110100	110 X 4"	190	84	1.87

8.23 Transition adaptors male st/steel - 316

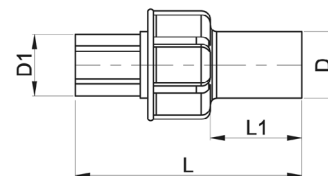
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20X1½" - 63X2"
- PE100
- Complies to AS/NZS 4129
- Thread type - Tapered BSPT



Iplex product code	Fitting size mm	L mm	L1 mm	W mm
PEAMI11020015	20 X ½"	85	38	0.1
PEAMI11025020	25 X ¾"	95	40	0.11
PEAMI11032025	32 X 1"	105	44	0.17
PEAMI11040032	40 X 1¼"	115	49	0.25
PEAMI11050040	50 X 1½"	130	54	0.34
PEAMI11063050	63 X 2"	148	63	0.53

8.24 Transition adaptors female st/steel - 316

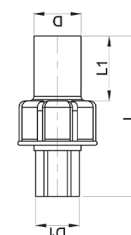
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20X½" - 63X2"
- PE100
- Complies to AS/NZS 4129
- Thread type - Tapered BSPT



Iplex product code	Fitting size mm	L mm	L1 mm	W mm
PEAFI11020015	20 X ½"	82	38	0.1
PEAFI11025020	25 X ¾"	91	40	0.11
PEAFI11032025	32 X 1"	100	44	0.17
PEAFI11040032	40 X 1¼"	109	49	0.25
PEAFI11050040	50 X 1½"	124	54	0.34
PEAFI11063050	63 X 2"	141	63	0.53

8.25 Carbon steel to PE transition adaptor

- SDR11 - water PN16 @ 20°C
- d20X¾" - 400X16"
- Complies to AS/NZS 4129

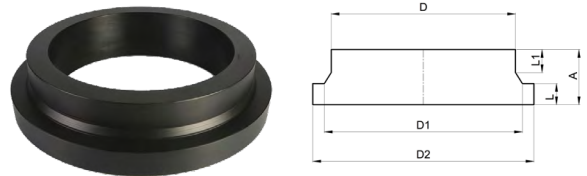


Iplex product code	Fitting size mm	L mm	L1 mm	W kg
PETRS11025020	25 X ¾"	381	194	0.55
PETRS11032025	32 X 1"	390	194	0.61
PETRS11040032	40 X 1¼"	407	193	0.98
PETRS11050040	50 X 1½"	426	190	1.2
PETRS11063050	63 X 2"	445	190	1.62
PETRS11075063	75 X 2½"	545	130	2.95
PETRS11090075	90 X 3"	560	150	3.95
PETRS11110100	110 X 4"	580	160	7.05
PETRS11124100	125 X 4"	580	160	7.3
PETRS11140125	140 X 5"	580	160	8
PETRS11160150	160 X 6"	600	160	10.5
PETRS11180150	180 X 6"	600	160	11
PETRS11200200	200 X 8"	620	150	17.5
PETRS11225200	225 X 8"	600	130	18
PETRS11250250	250 X 10"	630	180	30.5
PETRS11280250	280 X 10"	-	-	31
PETRS11315300	315 X 12"	780	180	42.42

9.0 PE moulded and fabricated fittings

9.1 Stub flange adaptor short spigot

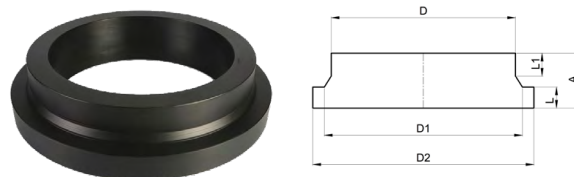
- SDR17 - water PN10 @ 20°C
- Gas 6 bar @ 20°C
- d90 - 1200
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	D1 mm	D2 mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar							
PEST17090	90	105	138	17	26	68	0.3
PEST17110	110	125	158	18	25	73	0.4
PEST17125	125	132	158	18	30	71	0.39
PEST17140	140	155	188	18	30	80	0.53
PEST17160	160	175	212	18	25	75	0.67
PEST17180	180	180	212	20	30	87	0.81
PEST17200	200	230	268	24	57	120	1.59
PEST17225	225	238	268	24	61	120	1.45
PEST17250	250	288	320	25	55	120	1.94
PEST17280	280	288	320	25	56	120	2.09
PEST17315	315	338	375	25	57	120	2.72
PEST17355	355	376	435	30	60	120	3.8
PEST17400	400	430	485	33	52	120	4.71
PEST17450	450	470	545	60	30	110	9.2
PEST17500	500	520	595	60	30	125	10.1
PEST17560	560	580	654	80	43	180	11.21
PEST17630	630	650	710	50	45	120	12.39
PEST17710	710	735	800	60	30	130	16.1
PEST17800	800	840	905	90	30	160	22.4
PEST17900	900	944	1000	90	30	170	29.4
PEST171000	1000	1047	1110	65	40	135	36.8
PEST171200	1200	1245	1330	70	40	140	52.4

9.2 Stub flange adaptor short spigot

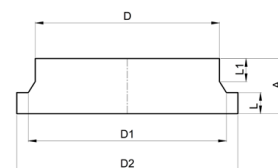
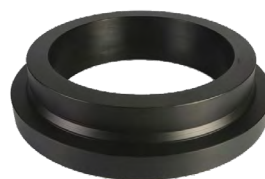
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d90 - 1200
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	D1 mm	D2 mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar							
PEST11090	90	105	138	17	26	70	0.31
PEST11110	110	125	158	18	25	74	0.46
PEST11125	125	132	158	25	31	71	0.5
PEST11140	140	155	188	25	30	86	0.56
PEST11160	160	175	212	25	25	84	1.01
PEST11180	180	180	212	30	34	97	1.28
PEST11200	200	232	268	32	50	120	1.86
PEST11225	225	238	268	32	53	120	1.98
PEST11250	250	288	320	35	45	120	2.64
PEST11280	280	288	320	35	46	120	2.871
PEST11315	315	338	375	35	47	120	3.73
PEST11355	355	376	435	45	45	120	5.3
PEST11400	400	430	485	50	40	124	6.74
PEST11450	450	465	545	66	40	140	14.8
PEST11500	500	530	590	60	40	134	16.1
PEST11560	560	580	654	80	43	180	17.4
PEST11630	630	650	710	65	45	140	20.07
PEST11710	710	737	800	75	35	150	28.4
PEST11800	800	840	905	80	30	150	37.2
PEST11900	900	944	1006	90	28	158	49.2
PEST111000	1000	1000	1100	90	30	185	67.3
PEST111200	1200	1245	1335	130	55	185	108.68

9.3 Stub flange adaptor short spigot continued

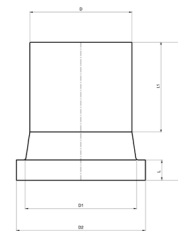
- SDR9 - water PN20 @ 20°C
- SDR7.4 - water PN25 @ 20°C
- d280 - 630
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	D1 mm	D2 mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR9 water PN 20							
PEST09280	280	291	320	42	66	138	4
PEST09315	315	335	370	47	77	155	6
PEST09355	355	373	430	53	52	146	7.21
PEST09400	400	427	482	60	33	133	9.5
PEST09450	450	470	545	60	30	110	17.6
PEST09500	500	520	596	60	30	125	18.2
PEST09560	560	582	657	60	30	130	-
PEST09630	630	640	710	60	30	130	-
PE100 SDR7.4 water PN 25							
PEST074280	280	291	320	42	66	138	4.35
PEST074315	315	335	370	47	77	155	7.47
PEST074355	355	373	430	53	52	146	8.31
PEST074400	400	427	482	60	33	133	9.72
PEST074450	450	470	545	60	60	110	19.8
PEST074500	500	530	616	74	60	155	20.4
PEST074560	560	615	723	83	54	175	-
PEST074630	630	640	710	85	30	130	-

9.4 Stub flange adaptor long spigot

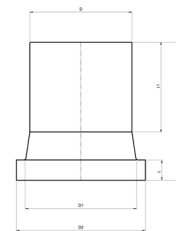
- SDR17 - water PN10 @ 20°C
- Gas 6 bar @ 20°C
- d50 - 1200
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	D1 mm	D2 mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar							
PEST17050LS	50	60	88	12	62	90	0.11
PEST17063LS	63	78	100	14	88	120	0.21
PEST17075LS	75	92	119	16	97	130	0.21
PEST17090LS	90	108	132	17	106	130	0.35
PEST17110LS	110	125	158	17	113	155	0.55
PEST17125LS	125	135	158	20	120	160	0.64
PEST17140LS	140	155	188	18	128	188	1.04
PEST17160LS	160	175	212	18	147	185	1.13
PEST17180LS	180	188	212	20	111	153	1.15
PEST17200LS	200	230	268	24	125	188	2.12
PEST17225LS	225	238	268	24	156	205	2.39
PEST17250LS	250	288	320	25	133	186	3
PEST17280LS	280	288	320	25	148	213	3.67
PEST17315LS	315	338	375	25	166	223	4.95
PEST17355LS	355	376	435	30	174	227	9.44
PEST17400LS	400	430	485	33	185	242	9.43
PEST17450LS	450	465	545	45	195	335	14.26
PEST17500LS	500	530	590	46	212	339	16.88
PEST17560LS	560	580	654	50	235	423	24.17
PEST17630LS	630	650	710	50	255	384	29.22
PEST17710LS	710	737	800	50	325	425	42.4
PEST17800LS	800	840	905	52	360	462	58.5
PEST17900LS	900	944	1005	55	360	485	77.2
PEST171000LS	1000	1047	1110	60	395	525	102.2
PEST171200LS	1200	1245	1330	70	500	600	165.1

9.5 Stub flange adaptor long spigot

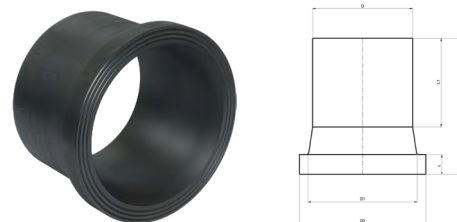
- SDR11 - water PN16 @ 20°C
- Gas 10 bar @ 20°C
- d20 - 800
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	D1 mm	D2 mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar							
PEST11020LS	20	-	-	-	-	-	-
PEST11025LS	25	-	-	-	-	-	-
PEST11032LS	32	-	-	-	-	-	-
PEST11040LS	40	51	73	11	60	82	0.082
PEST11050LS	50	62	82	12	63	92	0.122
PEST11063LS	63	78	100	14	88	120	0.21
PEST11075LS	75	92	119	16	97	130	0.27
PEST11090LS	90	108	132	17	103	140	0.43
PEST11110LS	110	125	158	18	113	155	0.68
PEST11125LS	125	135	158	20	120	159	0.78
PEST11140LS	140	155	188	25	128	190	1.318
PEST11160LS	160	175	212	25	155	200	1.62
PEST11180LS	180	188	212	30	152	207	1.96
PEST11200LS	200	232	268	32	153	210	2.68
PEST11225LS	225	238	268	32	129	180	3.108
PEST11250LS	250	288	320	35	140	205	3.782
PEST11280LS	280	288	320	35	145	211	4.724
PEST11315LS	315	338	375	35	160	224	6.346
PEST11355LS	355	376	435	45	172	240	9.188
PEST11400LS	400	430	485	50	181	264	12.7
PEST11450LS	450	465	545	66	195	360	21.77
PEST11500LS	500	530	590	60	212	354	25.06
PEST11560LS	560	580	654	80	235	423	38.4
PEST11630LS	630	650	710	65	255	404	43.5
PEST11710LS	710	737	800	60	330	430	61.4
PEST11800LS	800	840	905	65	380	482	88.6

9.6 Stub flange adaptor long spigot continued

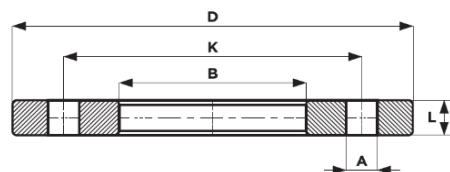
- SDR9 - water PN20
- SDR7.4 - water PN25
- d25 - 315
- Larger sizes can be sourced by extending short stubs with a leg
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	D1 mm	D2 mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR9 water PN 20							
PEST09063LS	63	75	102	16	63	101	0.22
PEST09075LS	75	89	122	18	73	113	0.34
PEST09090LS	90	105	138	20	82	126	0.49
PEST09110LS	110	125	158	21	91	138	0.79
PEST09125LS	125	134	158	28	101	152	0.97
PEST09140LS	140	155	188	29	102	164	1.4
PEST09160LS	160	175	212	29	106	168	1.78
PEST09180LS	180	180	212	32	108	178	2.2
PEST09200LS	200	232	268	34	119	200	3.72
PEST09225LS	225	235	268	34	120	193	3.83
PEST09250LS	250	285	320	37	129	202	5.44
PEST09280LS	280	291	320	42	140	210	6.1
PEST09315LS	315	335	370	47	157	230	8.43
PE100 SDR7.4 water PN 25							
PEST074025LS	25	-	-	-	-	-	0.05
PEST074032LS	32	40	68	11	56	82	0.06
PEST074040LS	40	50	78	12	56	80	0.14
PEST074050LS	50	61	88	13	55	87	0.16
PEST074063LS	63	75	102	16	63	101	0.24
PEST074075LS	75	89	122	18	73	113	0.39
PEST074090LS	90	105	138	20	82	126	0.58
PEST074110LS	110	125	158	21	91	138	0.91
PEST074125LS	125	134	158	28	101	152	1.09
PEST074140LS	140	155	188	29	102	164	1.59
PEST074160LS	160	175	212	29	106	168	2.15
PEST074180LS	180	180	212	32	108	178	2.45
PEST074200LS	200	232	268	34	119	200	3.98
PEST074225LS	225	235	268	34	120	193	4.24
PEST074250LS	250	285	320	37	129	202	6.52
PEST074280LS	280	291	320	42	140	210	6.84
PEST074315LS	315	335	370	47	157	230	9.93

9.7 Backing rings AS2129 - Table E stainless steel

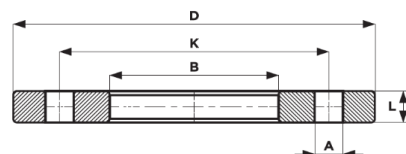
- Suit PE pipe stub flanges only
- Grade 316
- 110 - 630mm
- Backing ring supplied only



Iplex product code	Pipe OD mm	External OD (D) mm	Internal ID (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
AS/NZs 2129 Table E stainless steel							
PEBRE110SS	110	215	128	178	8 X 18	M16	2.23
PEBRE125SS	125 X 4"	215	140	178	8 X 18	M16	1.96
PEBRE140SS	140	255	158	210	8 X 18	M16	3.06
PEBRE160SS	160	280	178	235	8 X 22	M20	4.58
PEBRE180SS	180	280	195	235	8 X 22	M20	3.90
PEBRE200SS	200	335	235	292	8 X 22	M20	6.34
PEBRE225SS	225	335	238	292	8 X 22	M20	6.17
PEBRE250SS	250	405	290	356	12 X 22	M20	10.25
PEBRE280SS	280	405	300	356	12 X 22	M20	9.43
PEBRE315SS	315	455	345	406	12 X 26	M20	12.55
PEBRE450SS	450	640	480	584	16 X 26	M24	37.03
PEBRE630SS	630	825	660	756	16 X 33	M30	68.64

9.8 Backing rings AS4087 - B7 stainless steel backing rings

- Suit PE pipe stub flanges only
- Grade 316
- 20 - 800mm
- Backing ring supplied only

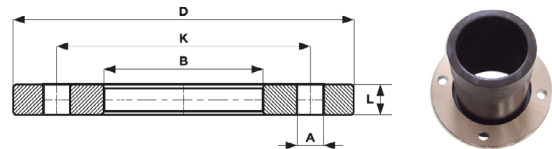


Iplex product code	Pipe OD mm	External OD (D) mm	Internal ID (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
AS/NZs 4087 B7 PN16 stainless steel							
PEBR16020SS	*20	95	28	67	4 X 14	M12	0.28
PEBR16025SS	*25	100	34	73	4 X 14	M12	0.30
PEBR16032SS	*32	115	42	83	4 X 14	M12	0.46
PEBR16040SS	*40	120	51	87	4 X 14	M12	0.54
PEBR16050SS	*50	135	62	98	4 X 14	M12	0.75
PEBR16063SS	*63	150	78	114	4 X 18	M16	1.05
PEBR16075SS	*75	165	92	127	4 X 18	M16	1.21
PEBR16090SS	*90	185	108	146	4 X 18	M16	1.47
PEBR16110SS	*110	215	125	178	4 X 18	M16	2.39
PEBR16125100SS	125 X 4"	215	140	178	4 X 18	M16	1.96
PEBR16125SS	125 X 5"	255	135	210	8 X 18	M16	3.61
PEBR16140SS	140	255	158	210	8 X 18	M16	3.06
PEBR16160SS	160	280	178	235	8 X 18	M16	3.60
PEBR16180SS	180	280	195	235	8 X 18	M16	3.09
PEBR16200SS	200	335	235	292	8 X 18	M16	6.50
PEBR16225200SS	225 X 8"	335	240	292	8 X 18	M16	6.21
PEBR16225SS	225 X 9"	370	240	324	8 X 18	M16	6.21
PEBR16250SS	250	405	288	356	8 X 22	M20	9.22
PEBR16280SS	280	405	294	356	8 X 22	M20	8.80
PEBR16315SS	315	455	345	406	12 X 22	M20	11.88
PEBR16355SS	355	525	376	470	12 X 26	M24	23.78
PEBR16400SS	400	580	430	521	12 X 26	M24	27.03
PEBR16450SS	450	640	480	584	12 X 26	M24	32.25
PEBR16500SS	500	705	533	641	16 X 26	M24	48.26
PEBR16560SS	560	760	590	699	16 X 30	M27	59.47
PEBR16630SS	630	825	660	756	16 X 30	M27	71.45
PEBR16710SS	710	910	740	845	20 X 30	M27	83.67
PEBR16800SS	800	1060	843	984	20 X 36	M33	132.69

*These items are in accordance with AS/NZS2129 Table D/E so pressure rating may be reduced to 1400 kPa.

9.9 Backing rings 4087 - PN35 (Table H) stainless steel

- Suit PE pipe stub flanges only
- Grade 316
- Backing ring supplied only
- d63 - 400

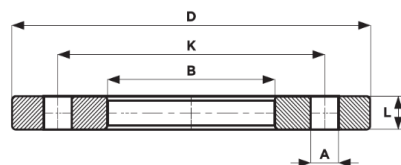


Iplex product code	Pipe OD mm	External OD (D) mm	Internal (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
AS/NZS4087 PN35 (Table H)							
PEBR35063SS	63	165	78	127	4 X 18	M16	2.21
PEBR35075SS	75	185	92	146	8 X 18	M16	2.77
PEBR35090SS	90	205	108	165	8 X 18	M16	4.38
PEBR35110SS	110	230	128	191	8 X 18	M16	5.31
PEBR35125100SS	125 x 4"	230	140	191	8 X 18	M16	4.63
PEBR35160SS	160	305	178	260	12 X 22	M20	11.70
PEBR35180SS	180	305	195	260	12 X 22	M20	10.46
PEBR35200SS	200	370	235	324	12 X 22	M20	15.66
PEBR35225SS	225	405	240	356	12 X 26	M24	25.10
PEBR35250SS	250	430	290	381	12 X 26	M24	22.13
PEBR35280SS	280	430	300	381	12 X 26	M24	20.72
PEBR35315SS	315	490	345	438	16 X 26	M24	26.97
PEBR35355SS	355	550	376	495	16 X 30	M27	46.15
PEBR35400SS	400	610	430	552	20 X 30	M27	54.01

*Larger sizes on request.

9.10 Backing rings ASME B16.5 (ANSI) galvanised backing rings

- Suit PE pipe stub flanges only
- A105 grade
- Backing ring supplied only
- d20 - 800

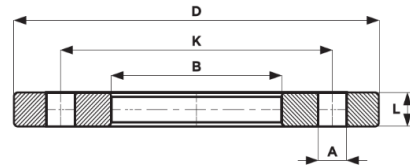


Iplex product code	Pipe OD mm	External OD (D) mm	Internal (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
AS/NZS4087 PN35 (Table H)							
PEBRA020	20	90	28	60.5	4 X 16	1/2"	0.44
PEBRA025	25	98	34	70	4 X 16	1/2"	0.59
PEBRA032	32	108	42	79.5	4 X 16	1/2"	0.78
PEBRA040	40	117	51	89	4 X 16	1/2"	0.97
PEBRA050	50	127	62	98.5	4 X 16	1/2"	1.21
PEBRA063	63	152	78	120.5	4 X 20	5/8"	1.81
PEBRA075	75	178	92	139.5	4 X 20	5/8"	2.97
PEBRA090	90	191	108	152	4 X 20	5/8"	3.4
PEBRA110	110	229	128	190.5	4 X 20	5/8"	4.84
PEBRA125	125	254	140	216	8 X 22	3/4"	5.99
PEBRA140	140	254	158	216	8 X 22	3/4"	5.20
PEBRA160	160	279	178	241	8 X 22	3/4"	6.57
PEBRA180	180	279	195	241	8 X 22	3/4"	5.51
PEBRA200	200	343	235	298.5	8 X 22	3/4"	10.06
PEBRA225	225	343	238	298.5	8 X 22	3/4"	9.73
PEBRA250	250	406	288	362	12 X 26	7/8	13.74
PEBRA280	280	406	294	362	12 X 26	7/8	13.09
PEBRA315	315	483	345	432	12 X 26	7/8	20.81
PEBRA355	355	535	376	476	12 X 30	1"	29.08
PEBRA400	400	600	430	540	16 X 30	1"	36.48
PEBRA450	450	635	480	578	16 X 33	1 1/8"	38.19
PEBRA500	500	700	533	635	20 X 33	1 1/8"	50.25
PEBRA560	560	750	618	692	20 X 36	1 1/8"	48.59
PEBRA630	630	815	660	750	20 X 36	1 1/4"	60.16
PEBRA710*	710	925	740	863.6	28 X 36	1 1/4"	117.20
PEBRA800*	800	1060	835	977.9	28 X 41	1 3/4"	189.50

*These rings are in accordance with ASME B16.47.

9.11 Backing rings AS4087 - B7 galvanised backing rings

- Suit PE pipe stub flanges only
- Hot dipped galvanised
- **Note - majority of B7 PN16 Rings match AS/NZS2129 Table D configuration**
- When mating to another backing ring standard, the lesser of the pressure ratings are applied
- Backing ring supplied only
- d20 - 1000



Iplex product code	Pipe OD mm	External OD (D) mm	Internal (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
AS4087 PN16 galvanised backing rings							
PEBR16020	*20	95	28	67	4 X 18	M16	0.28
PEBR16025	*25	100	34	73	4 X 18	M16	0.30
PEBR16032	*32	115	42	83	4 X 18	M16	0.46
PEBR16040	*40	120	51	87	4 X 18	M16	0.54
PEBR16050	*50	135	62	98	4 X 18	M16	0.75
PEBR16063	*63	150	78	114	4 X 18	M16	1.05
PEBR16075	*75	165	92	127	4 X 18	M16	1.21
PEBR16090	*90	185	108	146	4 X 18	M16	1.47
AS/NZS 4087 B7 PN16 galvanised backing ring							
PEBR16110	110	215	128	178	4 X 18	M16	1.47
PEBR16125100	125 x 4"	215	140	178	4 X 18	M16	1.96
PEBR16160	160	280	178	235	8 X 18	M16	3.60
PEBR16180	180	280	195	235	8 X 18	M16	3.09
PEBR16200	200	335	235	292	8 X 18	M16	6.60
PEBR225200	225 X 8"	335	240	292	8 X 18	M16	6.21
PEBR16225	225 X 9"	370	270	324	8 X 18	M16	7.19
PEBR16250	250	405	290	356	8 X 22	M20	8.91
PEBR16280	280	405	300	356	8 X 22	M20	8.22
PEBR16315	315	455	345	406	12 X 22	M20	11.66
PEBR16355	355	525	376	470	12X26	M24	17.11
PEBR16400	400	580	430	521	12 X 26	M24	19.45

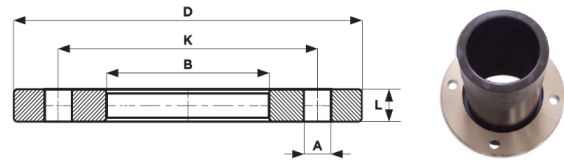
*These items are in accordance with AS/NZS2129 Table D/E.

Backing rings AS4087 - B7 galvanised backing rings continued

Iplex product code	Pipe OD mm	External OD (D) mm	Internal (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
PEBR16450	450	640	480	584	12 X 26	M24	31.64
PEBR16500	500	705	533	641	16 X 26	M24	36.14
PEBR16630	630	825	660	756	16 X 30	M27	68.25
PEBR16710	710	910	740	845	20 X 30	M27	91.87
PEBR16800	800	1060	843	984	20 X 36	M33	137.60
PEBR168000	900	1175	947	1092	24 X 36	M33	191.01
PEBR161000	1000	1255	1050	1175	24 X 36	M33	186.442

9.12 Backing rings AS/NZS 2129 Table E galvanised backing rings

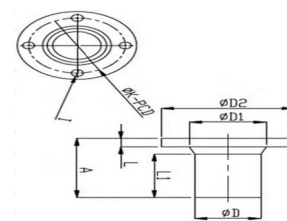
- Suit PE pipe stub flanges only
- Hot dipped galvanised
- d110 - 1000



Iplex product code	Pipe OD mm	External OD (D) mm	Internal (B) mm	PCD (K) mm	Holes No. x mm	Bolt	Weight kg
AS2129 - Table E galvanised backing rings							
PEBRE110	110	215	128	178	8 X 18	M16	2.18
PEBRE125100	125 X 4"	215	140	178	8 X 18	M16	1.93
PEBRE125	125 X 5"	255	140	210	8 X 18	M16	3.70
PEBRE140	140	255	158	210	8 X 18	M16	3.23
PEBRE160	160	280	178	235	8 X 22	M20	4.49
PEBRE180	180	280	195	235	8 X 22	M20	3.83
PEBRE200	200	335	235	292	8 X 22	M20	6.22
PEBRE225	225	335	238	292	8 X 22	M20	6.06
PEBRE250	250	405	290	356	12 X 22	M20	10.05
PEBRE280	280	405	300	356	12 X 22	M20	9.25
PEBRE315	315	455	345	406	12 X 26	M20	12.31
PEBRE355	355	525	376	470	12 X 26	M24	23.33
PEBRE400	400	580	430	521	12 X 26	M24	28.29
PEBRE450	450	640	480	584	16 X 26	M24	36.34
PEBRE500	500	705	533	641	16 X 26	M24	47.35
PEBRE560	560	760	590	699	16 X 30	M27	58.35
PEBRE630	630	825	660	756	16 X 33	M30	67.36
PEBRE710	710	910	740	845	20 X 33	M30	83.67
PEBRE8000	800	1060	843	984	20 X 36	M33	132.69
PEBRE900	900	1175	947	1092	24 X 36	M33	185.22
PEBRE1000	1000	1255	1050	1175	24 X 39	M33	189.24

9.13 Nominal stub flange and backing ring assembly

- SDR11 - water PN20 @ 20°C
- d2110 - 800
- Complies to AS/NZS 4129
- PE100 stub flange
- St/Steel 316 backing ring (Included)
- Custom fitting designed to fit to unusual connections
- Typically used for connections to D1CL flanges



Iplex product code	Fitting Size mm	D mm	D1 mm	D2 mm	L mm	L1 mm	A	K (PCD)	Holes	Bolt size
PEST11110100SP	110 X 4" DN100	110 - 110.7	124	215	20	118	155	178	4 X Ø18	M16
PEST11125100SP	125 X 4" DN100	125 - 125.8	132	215	20	128	165	178	4 X Ø18	M16
PEST11160150SP	160 X 6" DN150	160 - 160.9	161	280	25	158	190	235	8 X Ø18	M16
PEST11180150SP	180 X 6" DN150	180 - 181.1	182	280	25	158	190	235	8 X Ø18	M16
PEST11200150SP	200 X 6" DN150	200 - 201.2	201	280	30	157	190	235	8 X Ø18	M16
PEST11250200SP	250 X 8" DN200	250 - 251.5	251	335	35	159	197	292	8 X Ø18	M16
PEST11280225SP	280MX 9" DN225	280 - 281.7	292	370	35	180	215	324	8 X Ø18	M16
PEST11315250SP	315 X 10" DN250	315 - 316.9	316	405	40	187	230	356	8 X Ø22	M20
PEST11355300SP	355 X 12" DN300	355 - 357.2	357	455	45	193	241	406	12 X Ø22	M20
PEST11400375SP	400 X 15" DN375	400 - 402.4	402	580	50	210	260	495	12 X Ø26	M24
PEST11450375SP	450 X 15" DN375	450 - 452.7	453	580	55	230	285	495	12 X Ø26	M24
PEST11450400SP	450 X 16" DN400	450 - 452.7	453	580	55	230	285	521	12 X Ø26	M24
PEST11500450SP	500 X 18" DN450	500 - 503.1	504	640	60	260	320	584	16 X Ø26	M24
PEST11560500SP	560 X 20" DN500	560 - 563.4	560	705	65	267	332	641	16 X Ø26	M24
PEST11630600SP	630 X 24" DN600	630 - 633.8	643	825	80	257	337	756	16 X Ø30	M27
PEST11710600SP**	710 X 24" DN600	710 - 714.2	710	825	80	255	335	756	16 X Ø30	M27
PEST11800750SP**	800 X 30" DN750	800 - 804.8	825	995	90	260	350	927	20 X Ø33	M30

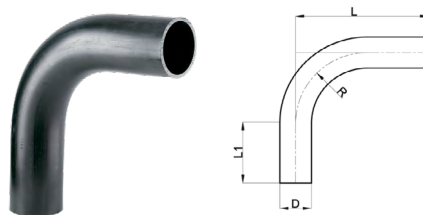
**Items marked with asterisk are for short spigot only and not suitable for electrofusion without a pup being welded on for additional charges.

Note: All items are subject to dimensional change without notice. If specific dimensions are required it is important to ensure that the actual shelf stock is verified.

Nominal flanges are only ranged in SDR11 configuration with AS4087 PN16 stainless steel drilling pattern only.

9.14 Sweep bend 90° long spigot

- SDR17 - water PN10 / (Gas 6 bar - upon request)
- d32 - 900
- Complies to AS/NZS 4129
- PE100

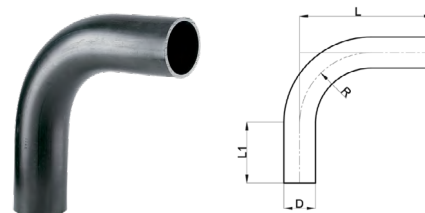


iplex product code	Fitting size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR17 water PN 10 (Gas 6 bar - upon request)					
PESW1705090LS	50	200	100	75	0.2
PESW1706390LS	63	220	100	95	0.3
PESW1707590LS	75	260	100	113	0.5
PESW1709090LS	90	300	150	135	0.7
PESW1711090LS	110	380	150	165	1.4
PESW1712590LS	125	400	150	188	1.9
PESW1714090LS	140	440	150	210	2.6
PESW1716090LS	160	480	150	240	3.7
PESW1718090LS	180	530	150	270	5.2
PESW1720090LS	200	560	150	300	6.7
PESW1722590LS	225	590	150	338	8.8
PESW1725090LS	250	730	250	375	13.6
PESW1728090LS	280	750	250	420	17.4
PESW1731590LS	315	900	300	496	26.5
PESW1735590LS	355	900	300	533	37.4
PESW1740090LS	400	980	300	600	49.1
PESW1745090LS	450	1070	300	675	68
PESW1750090LS	500	1200	350	750	95.3
PESW1756090LS	560	1290	350	840	122.5
PESW1763090LS	630	1400	350	945	186.4
PESW1771090LS	710	1900	350	1128	281.1
PESW1780090LS	800	2000	350	1274	371.4
PESW1790090LS	900	2200	400	1430	515.2

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.15 Sweep bend 90° long spigot

- SDR11 - water PN16 / (Gas 10 bar - upon request)
- d32 - 900
- Complies to AS/NZS 4129
- PE100

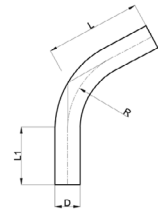


Iplex product code	Fitting size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PESW1103290LS	32	160	100	48	0.08
PESW1104090LS	40	180	100	48	0.14
PESW1105090LS	50	200	100	75	0.2
PESW1106390LS	63	220	100	95	0.4
PESW1107590LS	75	260	100	113	0.7
PESW1109090LS	90	300	150	135	1.1
PESW1111090LS	110	380	150	165	2.1
PESW1112590LS	125	400	150	188	2.8
PESW1114090LS	140	440	150	210	3.9
PESW1116090LS	160	480	150	240	5.5
PESW1118090LS	180	530	150	270	7.6
PESW1120090LS	200	560	150	300	9.9
PESW1122590LS	225	590	150	338	13.1
PESW1125090LS	250	730	250	375	20.2
PESW1128090LS	280	750	250	420	25.7
PESW1131590LS	315	900	300	496	39.2
PESW1135590LS	355	900	300	533	55.1
PESW1140090LS	400	980	300	600	72.7
PESW1145090LS	450	1070	300	675	100.6
PESW1150090LS	500	1200	350	750	140.9
PESW1156090LS	560	1290	350	840	181.2
PESW1163090LS	630	1400	350	945	275.6
PESW1171090LS	710	1900	350	1128	416.2
PESW1180090LS	800	1550	400	1200	549.8
PESW1190090LS	900	2200	400	1430	763.2

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.16 Sweep bend 60° long spigot

- SDR17 - water PN10 / (gas 6 bar - upon request)
- d32 - 900
- Complies to AS/NZS 4129
- PE100

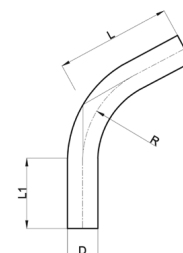


Iplex product code	Fitting Size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR17 water pn 10 (gas 6 bar - upon request)					
PESW1705060LS	50	170	100	75	0.1
PESW1706360LS	63	180	100	95	0.2
PESW1707560LS	75	220	100	113	0.4
PESW1709060LS	90	250	150	135	0.7
PESW1711060LS	110	280	150	165	1.1
PESW1712560LS	125	300	150	188	1.5
PESW1714060LS	140	350	150	210	2.2
PESW1716060LS	160	380	150	240	3.2
PESW1718060LS	180	410	150	270	4.3
PESW1720060LS	200	430	150	300	5.6
PESW1722560LS	225	450	150	338	7.4
PESW1725060LS	250	570	250	375	11.5
PESW1728060LS	280	580	250	420	14.7
PESW1731560LS	315	690	300	496	22.2
PESW1735560LS	355	760	300	560	31
PESW1740060LS	400	780	300	637	40.1
PESW1745060LS	450	820	300	711	53.3
PESW1750060LS	500	960	350	783	77.3
PESW1756060LS	560	930	350	840	98.4
PESW1763060LS	630	1000	350	945	153.5
PESW1771060LS	710	1450	350	1128	235.6
PESW1780060LS	800	1500	350	1274	307.9
PESW1790060LS	900	1650	400	1430	428.1

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.17 Sweep bend 60° long spigot

- SDR11 - water PN16 / (gas 10 bar - upon request)
- d32 - 900
- Complies to AS/NZS 4129
- PE100

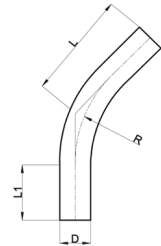


Iplex product code	Fitting Size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PESW1103260LS	32	150	100	48	0.08
PESW1104060LS	40	160	100	60	0.13
PESW1105060LS	50	170	100	75	0.2
PESW1106360LS	63	180	100	95	0.3
PESW1107560LS	75	220	100	113	0.6
PESW1109060LS	90	250	150	135	1
PESW1111060LS	110	280	150	165	1.6
PESW1112560LS	125	300	150	188	2.3
PESW1114060LS	140	350	150	210	3.3
PESW1116060LS	160	380	150	240	4.7
PESW1118060LS	180	410	150	270	6.4
PESW1120060LS	200	430	150	300	8.3
PESW1122560LS	225	450	150	338	10.9
PESW1125060LS	250	570	250	375	17.1
PESW1128060LS	280	580	250	420	21.7
PESW1131560LS	315	690	300	496	32.8
PESW1135560LS	355	760	300	560	45.7
PESW1140060LS	400	780	300	637	59.4
PESW1145060LS	450	820	300	711	78.9
PESW1150060LS	500	960	350	783	114.2
PESW1156060LS	560	980	350	877	145.5
PESW1163060LS	630	1200	350	955	226.9
PESW1171060LS	710	1450	350	1128	348.8
PESW1180060LS	800	1250	400	1200	455.9
PESW1190060LS	900	1650	400	1430	634.2

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.18 Sweep bend 45° long spigot

- SDR17 - water PN10 / (Gas 6 bar - upon request)
- d50 - 900
- Complies to AS/NZS 4129
- PE100

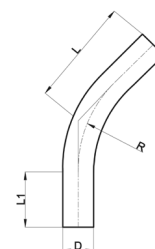


Iplex product code	Fitting Size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR17 water PN 10 (gas 6 bar - upon request)					
PESW1705045LS	50	160	100	75	0.1
PESW1706345LS	63	170	100	95	0.2
PESW1707545LS	75	180	100	113	0.3
PESW1709045LS	90	220	150	135	0.6
PESW1711045LS	110	240	150	165	1
PESW1712545LS	125	250	150	188	1.3
PESW1714045LS	140	270	150	210	1.7
PESW1716045LS	160	330	150	240	2.8
PESW1718045LS	180	350	150	270	3.8
PESW1720045LS	200	360	150	300	4.8
PESW1722545LS	225	380	150	338	6.4
PESW1725045LS	250	490	250	375	10.1
PESW1728045LS	280	550	250	420	13.2
PESW1731545LS	315	560	300	496	18.4
PESW1735545LS	355	630	300	560	26.3
PESW1740045LS	400	670	300	637	35.3
PESW1745045LS	450	750	300	711	50.1
PESW1750045LS	500	760	350	750	74.4
PESW1756045LS	560	800	350	840	98.2
PESW1763045LS	630	870	350	945	130.9
PESW1771045LS	710	1300	350	1128	216.3
PESW1780045LS	800	1400	350	1274	295.3
PESW1790045LS	900	1500	400	1430	399.8

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.19 Sweep bend 45° long spigot

- SDR11 - water PN16 / (gas 10 bar - upon request)
- d32 - 900
- Complies to AS/NZS 4129
- PE100

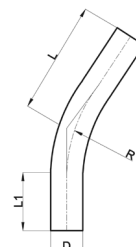


Iplex product code	Fitting Size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PESW1103245LS	32	140	100	48	0.07
PESW1104045LS	40	150	100	60	0.12
PESW1105045LS	50	160	100	75	0.2
PESW1106345LS	63	170	100	95	0.3
PESW1107545LS	75	180	100	113	0.4
PESW1109045LS	90	220	150	135	0.6
PESW1111045LS	110	240	150	165	1
PESW1112545LS	125	250	150	188	1.9
PESW1114045LS	140	270	150	210	2.6
PESW1116045LS	160	330	150	240	4.2
PESW1118045LS	180	350	150	270	5.6
PESW1120045LS	200	360	150	300	7.1
PESW1122545LS	225	380	150	338	9.4
PESW1125045LS	250	490	250	375	15
PESW1128045LS	280	510	250	420	19.5
PESW1131545LS	315	560	300	496	27.1
PESW1135545LS	355	630	300	560	38.7
PESW1140045LS	400	670	300	637	52.2
PESW1145045LS	450	750	300	711	74.1
PESW1150045LS	500	760	350	750	109.9
PESW1156045LS	560	800	350	840	145.2
PESW1163045LS	630	870	350	945	193.15
PESW1171045LS	710	1300	350	1128	320.3
PESW1180045LS	800	950	400	1200	437.1
PESW1190045LS	900	1500	400	1430	592.3

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.20 Sweep bend 30° long spigot

- SDR17 - water PN10 / (Gas 6 bar - upon request)
- d50 - 900
- Complies to AS/NZS 4129
- PE100

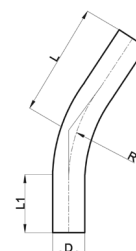


Iplex product code	Fitting size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR17 water PN 10 (Gas 6 bar - upon request)					
PESW1705030LS	50	150	100	75	0.1
PESW1706330LS	63	160	100	95	0.2
PESW1707530LS	75	170	100	113	0.3
PESW1709030LS	90	210	150	135	0.6
PESW1711030LS	110	220	150	165	0.9
PESW1712530LS	125	235	150	188	1.2
PESW1714030LS	140	250	150	210	1.6
PESW1716030LS	160	260	150	240	2.2
PESW1718030LS	180	280	150	270	3
PESW1720030LS	200	310	150	300	4.2
PESW1722530LS	225	350	150	338	5.9
PESW1725030LS	250	430	250	375	9
PESW1728030LS	280	450	250	420	11.8
PESW1731530LS	315	500	300	496	16.6
PESW1735530LS	355	590	300	560	24.9
PESW1740030LS	400	650	300	637	34.7
PESW1745030LS	450	700	300	711	47.4
PESW1750030LS	500	650	350	750	62.8
PESW1756030LS	560	680	350	840	83.8
PESW1763030LS	630	730	350	945	112.8
PESW1771030LS	710	1150	350	1128	193.8
PESW1780030LS	800	1250	350	1274	267.2
PESW1790030LS	900	1350	400	1430	365

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.21 Sweep bend 30° long spigot

- SDR11 - water pN16 / (Gas 10 bar - upon request)
- d32 - 900
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting Size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PESW1103230LS	32	130	100	48	0.07
PESW1104030LS	40	140	100	60	0.11
PESW1105030LS	50	150	100	75	0.2
PESW1106330LS	63	160	100	95	0.3
PESW1107530LS	75	170	100	113	0.5
PESW1109030LS	90	210	150	135	0.8
PESW1111030LS	110	220	150	165	1.3
PESW1112530LS	125	235	150	188	1.8
PESW1114030LS	140	250	150	210	2.4
PESW1116030LS	160	260	150	240	3.3
PESW1118030LS	180	280	150	270	4.5
PESW1120030LS	200	310	150	300	6.1
PESW1122530LS	225	350	150	338	8.8
PESW1125030LS	250	430	250	375	13.3
PESW1128030LS	280	450	250	420	17.4
PESW1131530LS	315	500	300	496	24.5
PESW1135530LS	355	590	300	560	36.8
PESW1140030LS	400	650	300	637	51.4
PESW1145030LS	450	700	300	711	70.2
PESW1150030LS	500	650	350	750	92.7
PESW1156030LS	560	680	350	840	123.9
PESW1163030LS	630	730	350	945	166.8
PESW1171030LS	710	1150	350	1128	287
PESW1180030LS	800	950	400	1200	395.6
PESW1190030LS	900	1350	400	1430	540.7

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.22 Sweep bends special - 90d, 60d, 45d, 30d, 22d, 11d

- SDR7.4 - water PN25
- SDR9 upon request
- d110 - 315
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	R mm	Weight kg
PE100 SDR7.4 water PN 25					
PESW07411090LS	110	340	150	165	2.72
PESW07416090LS	160	415	150	240	7.16
PESW07422590LS	225	513	150	338	16.37
PESW07431590LS	315	803	250	473	53
PESW07411060LS	110	270	150	165	2.383
PESW07416060LS	160	313	150	240	7.155
PESW07422560LS	225	370	150	338	13.952
PESW07431560LS	315	612	250	473	50.67
PESW07411045LS	110	243	150	165	2.113
PESW07416045LS	160	270	150	240	6.678
PESW07422545LS	225	315	150	338	12.97
PESW07431545LS	315	535	250	473	41.6
PESW07411030LS	110	219	150	165	2.473
PESW07416030LS	160	239	150	240	6.678
PESW07422530LS	225	266	150	338	11.912
PESW07431530LS	315	460	250	473	37.4

Note: Please refer PIPA guidelines for tolerance on bend angles (www.pipa.com.au - POP006).

9.23 Fabricated bends

Butt-welded segmented bends 90° - PE100 SDR17

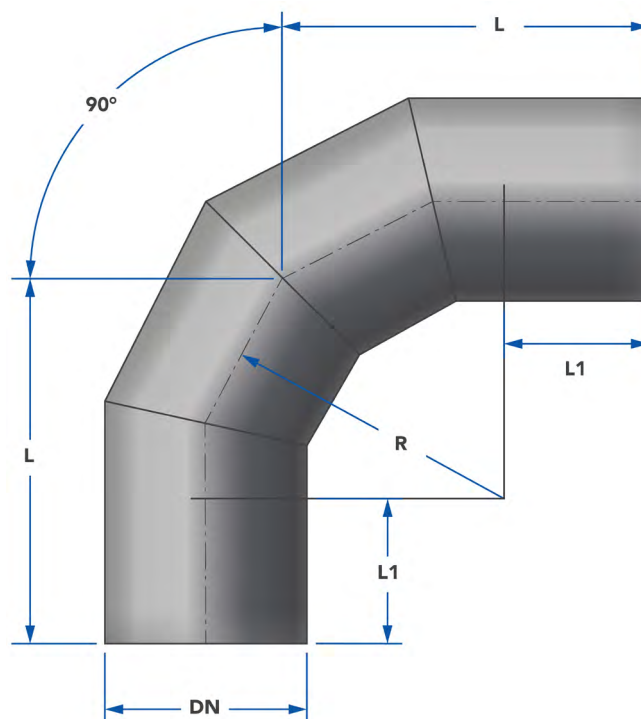
Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1109090	90	235	100	135
PESB1111090	110	265	100	165
PESB1112590	125	338	150	188
PESB1114090	140	360	150	210
PESB1116090	160	390	150	240
PESB1118090	180	425	150	270
PESB1120090	200	450	150	300
PESB1122590	225	488	150	338
PESB1125090	250	625	250	375
PESB1128090	280	670	250	420
PESB1131590	315	777	300	477
PESB1135590	355	833	300	533
PESB1140090	400	900	300	600
PESB1145090	450	975	300	675
PESB1150090	500	1100	350	750
PESB1156090	560	1190	350	840
PESB1163090	630	1295	350	945
PESB1171090	710	1649	350	1420
PESB1180090	800	1815	350	1600
PESB1190090	900	2048	400	1800
PESB11100090	1000	2230	400	2000
PESB11120090	1200	2597	400	2400

Note:

Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

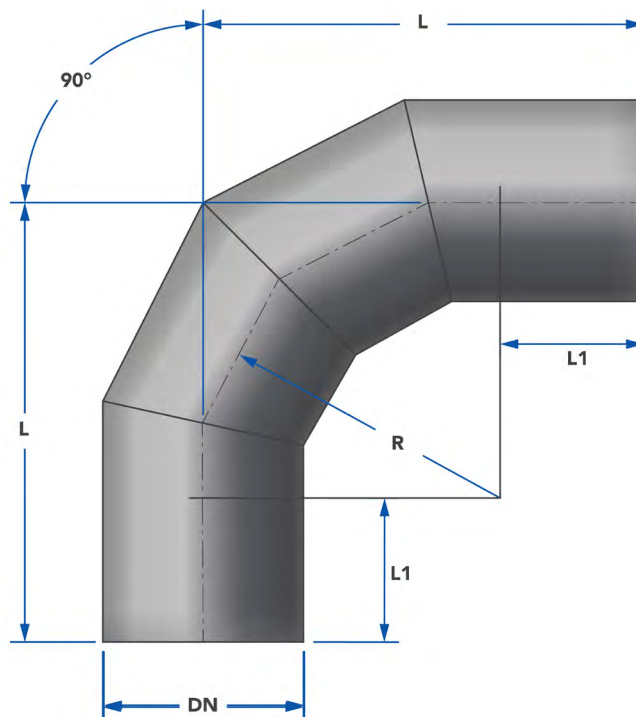
All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes up to 2000mm OD can be manufactured upon request.



Butt-welded segmented bends 90° - PE100 SDR11

Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1109090	90	235	100	135
PESB1111090	110	265	100	165
PESB1112590	125	338	150	188
PESB1114090	140	360	150	210
PESB1116090	160	390	150	240
PESB1118090	180	425	150	270
PESB1120090	200	450	150	300
PESB1122590	225	488	150	338
PESB1125090	250	625	250	375
PESB1128090	280	670	250	420
PESB1131590	315	777	300	477
PESB1135590	355	833	300	533
PESB1140090	400	900	300	600
PESB1145090	450	975	300	675
PESB1150090	500	1100	350	750
PESB1156090	560	1190	350	840
PESB1163090	630	1295	350	945
PESB1171090	710	1649	350	1420
PESB1180090	800	1815	350	1600
PESB1190090	900	2048	400	1800
PESB11100090	1000	2230	400	2000
PESB11120090	1200	2597	400	2400



Note:

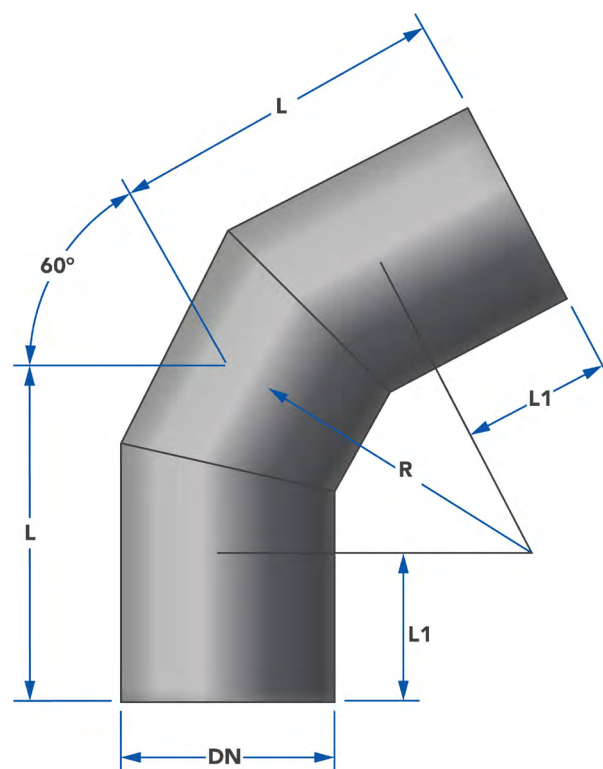
Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes greater than 1200mm OD can be manufactured upon request.

Butt-welded segmented bends 60° - PE100 SDR17

Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1709060	90	178	100	135
PESB1711060	110	195	100	165
PESB1712560	125	258	150	188
PESB1714060	140	275	150	210
PESB1716060	160	288	150	240
PESB1718060	180	301	150	270
PESB1720060	200	323	150	300
PESB1722560	225	345	150	338
PESB1725060	250	466	250	375
PESB1728060	280	492	250	420
PESB1731560	315	576	300	477
PESB1735560	355	608	300	533
PESB1740060	400	646	300	600
PESB1745060	450	689	300	675
PESB1750060	500	783	350	750
PESB1756060	560	835	350	840
PESB1763060	630	896	350	945
PESB1771060	710	1170	350	1420
PESB1780060	800	1274	350	1600
PESB1790060	900	1440	400	1800
PESB17100060	1000	1555	400	2000
PESB17120060	1200	1786	400	2400



Note:

Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes greater than 1200mm OD can be manufactured upon request.

Butt-welded segmented bends 60° - PE100 SDR11

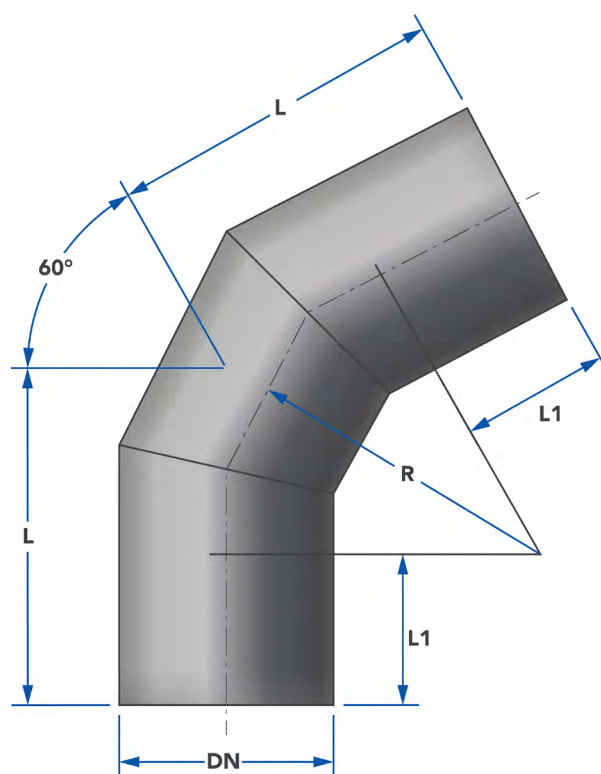
Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1109060	90	178	100	135
PESB1111060	110	195	100	165
PESB1112560	125	258	150	188
PESB1114060	140	275	150	210
PESB1116060	160	288	150	240
PESB1118060	180	301	150	270
PESB1120060	200	323	150	300
PESB1122560	225	345	150	338
PESB1125060	250	466	250	375
PESB1128060	280	492	250	420
PESB1131560	315	576	300	477
PESB1135560	355	608	300	533
PESB1140060	400	646	300	600
PESB1145060	450	689	300	675
PESB1150060	500	783	350	750
PESB1156060	560	835	350	840
PESB1163060	630	896	350	945
PESB1171060	710	1170	350	1420
PESB1180060	800	1274	350	1600
PESB1190060	900	1440	400	1600
PESB11100060	1000	1555	400	2000
PESB11120060	1200	1786	400	2400

Note:

Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes up to 2000mm OD can be manufactured upon request.



Butt-welded segmented bends 45° - PE100 SDR17

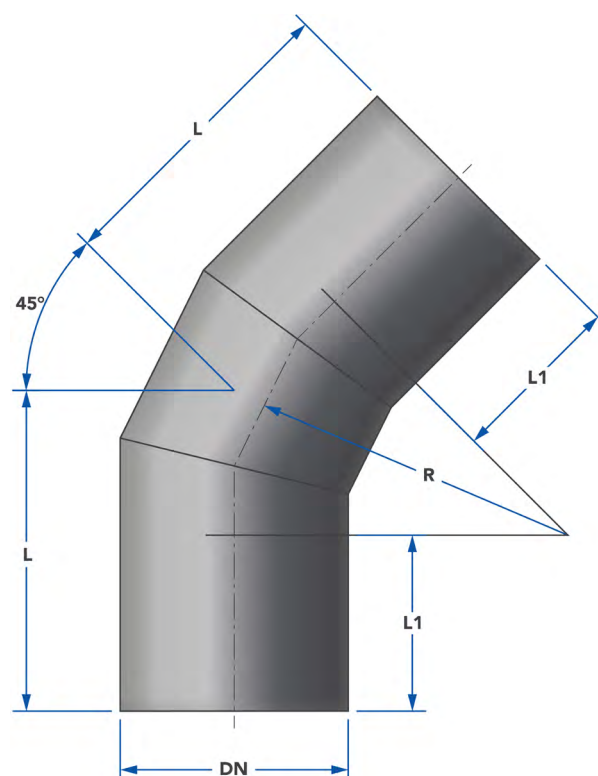
Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1709045	90	156	100	135
PESB1711045	110	168	100	165
PESB1712545	125	227	150	188
PESB1714045	140	237	150	210
PESB1716045	160	249	150	240
PESB1718045	180	261	150	270
PESB1720045	200	274	150	300
PESB1722545	225	290	150	338
PESB1725045	250	412	250	375
PESB1728045	280	474	250	420
PESB1731545	315	498	300	477
PESB1735545	355	520	300	533
PESB1740045	400	548	300	600
PESB1745045	450	580	300	675
PESB1750045	500	665	350	750
PESB1756045	560	698	350	840
PESB1763045	630	741	350	945
PESB1771045	710	938	350	1420
PESB1780045	800	1013	350	1600
PESB1790045	900	1146	400	1800
PESB17100045	1000	1228	400	2000
PESB17120045	1200	1395	400	2400

Note:

Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes greater than 1200mm OD can be manufactured upon request.



Butt-welded segmented Bends 45° - PE100 SDR11

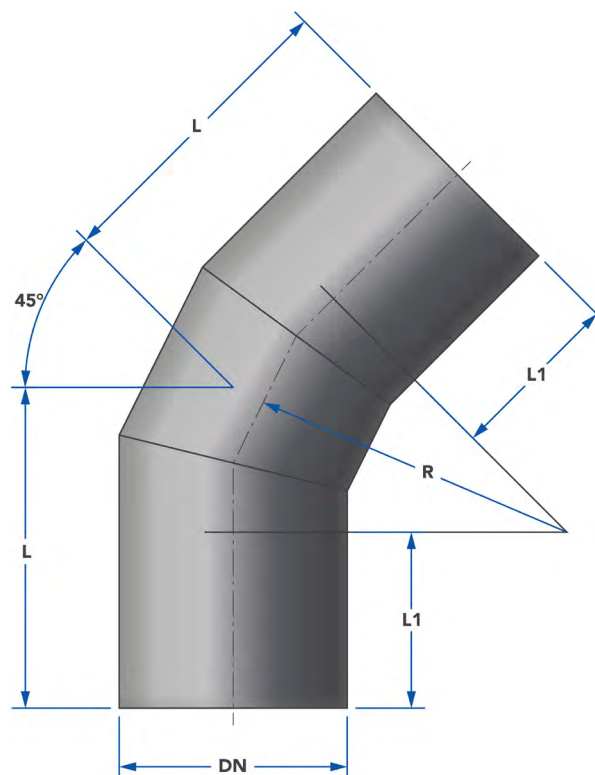
Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PES81109045	90	156	100	135
PES81111045	110	168	100	165
PESB1112545	125	227	150	188
PES81114045	140	237	150	210
PESB1116045	160	249	150	240
PES81118045	180	261	150	270
PESB1120045	200	274	150	300
PES81122545	225	290	150	338
PESB1125045	250	412	250	375
PESB1128045	280	474	250	420
PESB1131545	315	498	300	477
PES81135545	355	520	300	533
PESB1140045	400	548	300	600
PES81145045	450	580	300	675
PESB1150045	500	665	350	750
PESB1156045	560	698	350	840
PESB1163045	630	741	350	945
PESB1171045	710	938	350	1420
PES81180045	800	1013	350	1600
PESB1190045	900	1146	400	1800
PESB11100045	1000	1228	400	2000
PES811120045	1200	1395	400	2400

Note:

Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes up to 2000mm OD can be manufactured upon request.



Butt-welded segmented bends 30° - PE100 SDR17

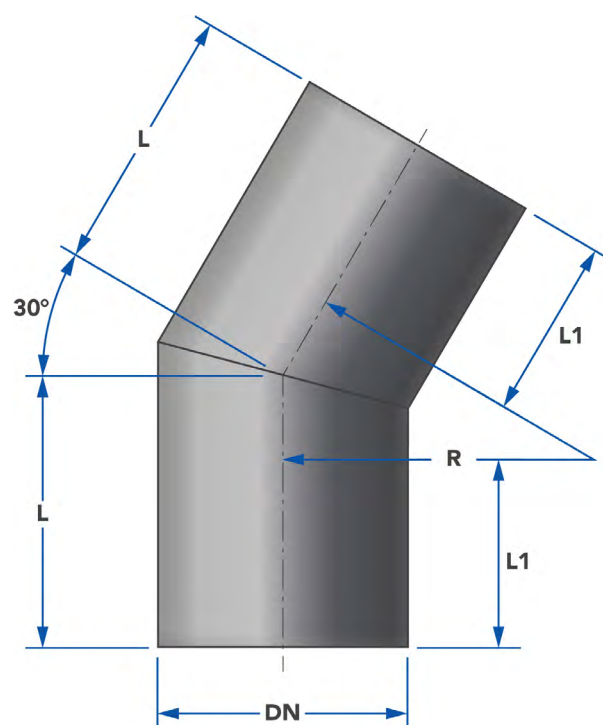
Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1709030	90	135	100	135
PESB1711030	110	143	150	165
PESB1712530	125	199	150	188
PESB1714030	140	205	150	210
PESB1716030	160	213	150	240
PESB1718030	180	220	150	270
PESB1720030	200	230	150	300
PESB1722530	225	241	150	338
PESB1725030	250	350	250	375
PESB1728030	280	362	250	420
PESB1731530	315	428	300	477
PESB1735530	355	443	300	533
PESB1740030	400	461	300	600
PESB1745030	450	481	300	675
PESB1750030	500	551	350	750
PESB1756030	560	575	350	840
PESB1763030	630	603	350	945
PESB1771030	710	635	350	1065
PESB1780030	800	672	350	1200
PESB1790030	900	882	400	1800
PESB17100030	1000	936	400	2000
PESB17120030	1200	1043	400	2400

Note:

Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Sizes up to 2000mm OD can be manufactured upon request.



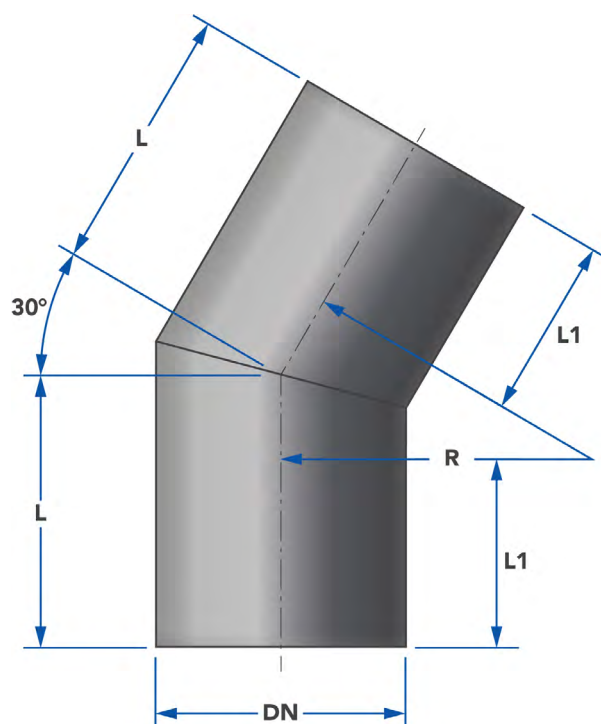
Butt-welded segmented bends 30° - PE100 SDR11

Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. R mm
PESB1109030	90	135	100	135
PESB1111030	110	143	150	165
PESB1112530	125	199	150	188
PESB1114030	140	205	150	210
PESB1116030	160	213	150	240
PESB1118030	180	220	150	270
PESB1120030	200	230	150	300
PESB1122530	225	241	150	338
PESB1125030	250	350	250	375
PESB1128030	280	362	250	420
PESB1131530	315	428	300	477
PESB1135530	355	443	300	533
PESB1140030	400	461	300	600
PESB1145030	450	481	300	675
PESB1150030	500	551	350	750
PESB1156030	560	575	350	840
PESB1163030	630	603	350	945
PESB1171030	710	635	350	1065
PESB1180030	800	672	350	1200
PESB1190030	900	882	400	1800
PESB11100030	1000	936	400	2000
PESB11120030	1200	1043	400	2400

Note:

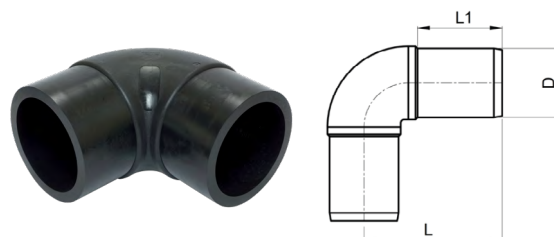
Segmented bends are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.



Moulded 90d elbows long spigot

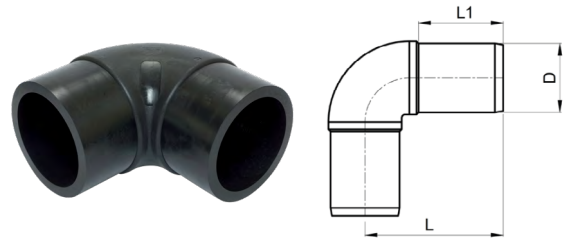
- SDR17 - water PN10 / gas 6 bar
- d20 - 500
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting Size mm	L mm	L1 mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar				
PEE1705090LS	50	108	80	0.11
PEE1706390LS	63	111	63	0.19
PEE1707590LS	75	126	70	0.32
PEE1709090LS	90	145	79	0.49
PEE1711090LS	110	161	82	0.78
PEE1712590LS	125	173	87	1.05
PEE1714090LS	140	195	92	1.51
PEE1716090LS	160	205	98	2.15
PEE1718090LS	180	230	105	3.10
PEE1720090LS	200	245	112	4.35
PEE1722590LS	225	264	120	5.26
PEE1725090LS	250	292	129	7.66
PEE1728090LS	280	340	139	11.46
PEE1731590LS	315	370	150	15.56
PEE1735590LS	355	401	164	22.17
PEE1740090LS	400	451	179	30.96
PEE1745090LS	450	522	202	43.00
PEE1750090LS	500	562	222	60.00

Moulded 90d elbows long spigot

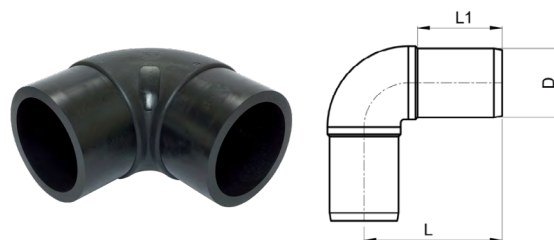
- PE100
- SDR11 - water PN16 / gas 10 bar
- d20 - 500
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar				
PEE1102090LS	20	63	41	0.02
PEE1102590LS	25	63	41	0.02
PEE1103290LS	32	72	44	0.04
PEE1104090LS	40	80	49	0.07
PEE1105090LS	50	92	55	0.14
PEE1106390LS	63	111	63	0.25
PEE1107590LS	75	126	70	0.43
PEE1109090LS	90	145	79	0.67
PEE1111090LS	110	161	82	1.08
PEE1112590LS	125	173	87	1.47
PEE1114090LS	140	195	92	2.16
PEE1116090LS	160	205	92	2.90
PEE1118090LS	180	230	105	4.23
PEE1120090LS	200	245	112	5.97
PEE1122590LS	225	264	120	7.30
PEE1125090LS	250	292	129	10.35
PEE1128090LS	280	340	139	15.73
PEE1131590LS	315	370	150	21.17
PEE1135590LS	355	401	164	28.67
PEE1140090LS	400	451	179	41.50
PEE1145090LS	450	522	202	59.00
PEE1150090LS	500	562	222	80.00

Moulded 90d elbows long spigot

- **SDR7.4** - water PN25
- **SDR9** - water PN20
- d25 - 500
- Larger sizes are available in sweep bends or extended leg bends
- Complies to AS/NZS 4129
- PE100



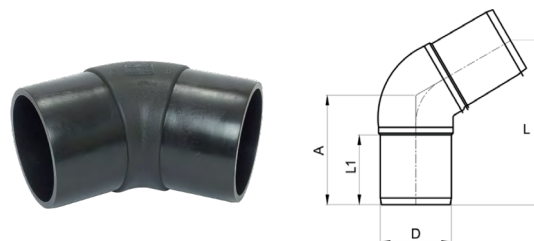
Iplex product code	Fitting size mm	L mm	L1 mm	Weight kg
PE100 SDR9 water PN 20				
PEE0906390LS	63	112	67	0.36
PEE0907590LS	75	127	72	0.05
PEE0909090LS	90	150	82	0.91
PEE0911090LS	110	167	90	1.48
PEE0912590LS	125	178	91	2.10
PEE0914090LS	140	192	96	2.97
PEE0916090LS	160	209	104	4.10
PEE0918090LS	180	223	107	5.04
PEE0920090LS	200	250	117	7.32
PEE0922590LS	225	265	122	8.82
PEE0925090LS	250	294	131	14.00
PEE0928090LS	280	322	126	19.19
PEE0931590LS	315	350	153	26.51
PEE0935590LS	355	375	165	32.49
PEE0940090LS	400	424	185	46.19
PEE0945090LS	450	500	205	63.8
PEE0950090LS	500	575	225	98.2
PE100 SDR7.4 water PN 25				
PEE07402590LS	25	71	47	0.04
PEE07403290LS	32	74	50	0.06
PEE07404090LS	40	88	56	0.11
PEE07405090LS	50	90	57	0.18
PEE07406390LS	63	122	67	0.38
PEE07407590LS	75	127	72	0.57
PEE07409090LS	90	150	82	0.96

Moulded 90d elbows long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	Weight kg
PE100 SDR7.4 water PN 25 continued				
PEE07411090LS	110	167	90	1.56
PEE07412590LS	125	178	91	2.21
PEE07414090LS	140	192	96	3.13
PEE07416090LS	160	209	104	4.30
PEE07418090LS	180	209	107	4.30
PEE07420090LS	200	250	117	7.70
PEE07422590LS	225	265	122	9.28
PEE07425090LS	250	294	131	14.74
PEE07428090LS	280	322	126	20.20
PEE07431590LS	315	350	153	27.90
PEE07435590LS	355	375	165	34.20
PEE07440090LS	400	424	185	48.62
PEE07445090LS	450	-	-	-
PEE07450090LS	500	-	-	-

Moulded 45d elbows long spigot

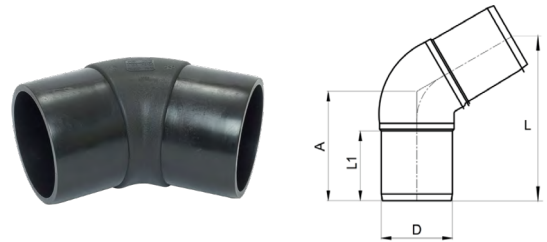
- **SDR17** - water PN10 / gas 6 bar
- d20 - 500
- Larger sizes are available in sweep bends or extended leg bends
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar					
PEE1705045LS	50	153	61	76	0.08
PEE1705045LS	63	160	63	93	0.18
PEE1706345LS	75	176	70	102	0.25
PEE1709045LS	90	202	79	118	0.44
PEE1711045LS	110	220	82	128	0.70
PEE1712590LS	125	239	87	139	0.93
PEE1714045LS	140	250	92	145	1.25
PEE1716045LS	160	273	98	159	1.79
PEE1718045LS	180	290	105	168	2.38
PEE1720045LS	200	311	112	179	3.36
PEE1722545LS	225	341	120	198	4.37
PEE1725045LS	250	368	129	213	5.88
PEE1728045LS	280	406	139	235	8.20
PEE1731545LS	315	430	150	249	11.12
PEE1735545LS	355	490	164	284	16.15
PEE1740045LS	400	548	179	317	23.00
PEE1745045LS	450	-	202	375	33.00
PEE1750045LS	500	-	222	410	43.00

Moulded 45d elbows long spigot

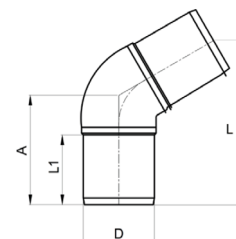
- SDR11 - water PN16 / gas 10 bar
- d20 - 500
- Larger sizes are available in sweep bends or extended leg bends
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar					
PEE1102045LS	20	119	41	70	0.03
PEE11025045LS	25	125	41	73	0.04
PEE1103245LS	32	136	44	79	0.06
PEE1104045LS	40	145	49	85	0.85
PEE1105045LS	50	153	55	89	0.14
PEE1106345LS	63	160	63	93	0.23
PEE1107545LS	75	176	70	102	0.33
PEE1109045LS	90	202	79	118	0.58
PEE1111045LS	110	220	82	128	0.98
PEE1112545LS	125	239	87	139	1.30
PEE1114045LS	140	250	92	145	1.70
PEE1116045LS	160	273	98	159	2.44
PEE1118045LS	180	290	105	168	3.33
PEE1120045LS	200	311	112	179	4.43
PEE1122545LS	225	341	120	198	6.20
PEE1125045LS	250	368	129	213	8.18
PEE112809LS	280	406	139	235	11.32
PEE1131545LS	315	430	150	249	14.60
PEE1135545LS	355	490	164	284	22.94
PEE1140045LS	400	548	179	317	31.10
PEE1145045LS	450	-	202	375	44.00
PEE1150045LS	500	-	222	410	57.00

Moulded 45d elbows long spigot continued

- **SDR7.4** - water PN25
- **SDR9** - water PN20
- d40 - 500
- Larger sizes are available in sweep bends or extended leg bends
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting Size mm	L1 mm	A mm	Weight kg
PE100 SDR7.4 water PN 25				
PEE07404045LS	40	58	78	0.10
PEE07405045LS	50	59	84	0.18
PEE07406345LS	63	69	90	0.29
PEE07407545LS	75	73	90	0.45
PEE07409045LS	90	82	109	0.69
PEE07411045LS	110	93	127	1.22
PEE07412545LS	125	93	162	2.00
PEE07414045LS	140	97	163	2.62
PEE07416045LS	160	107	175	3.58
PEE07418045LS	180	108	190	4.38
PEE07420045LS	200	118	190	5.96
PEE07422545LS	225	120	210	7.84
PEE07425045LS	250	135	215	10.40
PEE0742809LS	280	142	258	15.70
PEE07431545LS	315	154	270	21.00
PEE07435545LS	355	155	267	25.46
PEE07440045LS	400	182	310	35.86
PEE07445045LS	450	-	-	-
PEE07450045LS	500	-	-	-
PE100 SDR9 water PN 20				
PEE0906345LS	63	69	90	0.28
PEE0907545LS	75	73	90	0.43
PEE0909045LS	90	82	109	0.66
PEE0911045LS	110	93	127	1.16
PEE0912545LS	125	93	162	1.90

Moulded 45d elbows long spigot continued

Iplex product code	Fitting Size mm	L1 mm	A mm	Weight kg
PEE0914045LS	140	97	163	2.49
PEE0916045LS	160	107	175	3.40
PEE0918045LS	180	108	175	4.16
PEE0920045LS	200	118	190	5.66
PEE0922545LS	225	120	210	7.45
PEE0925045LS	250	136	215	9.88
PEE092809LS	280	142	258	14.92
PEE0931545LS	315	154	270	19.95
PEE0935545LS	355	165	267	24.19
PEE0940045LS	400	182	310	34.07
PEE0945045LS	450	-	-	-

9.25 Butt-welded “Y” pieces (suitable for electrofusion and butt welding)

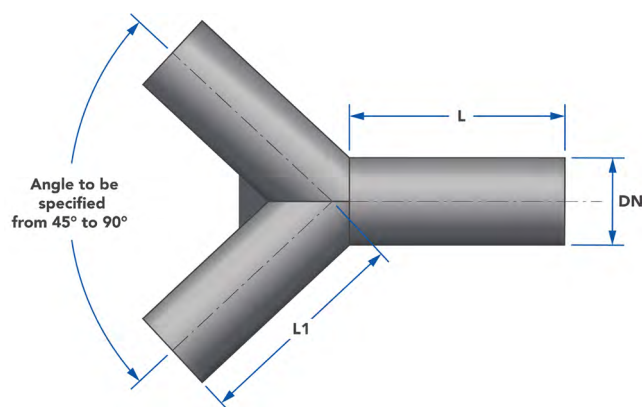
90° - PE100 SDR17

Iplex product code	Typical dimensions		
	Nominal Diameter DN mm	Dim. L mm	Dim. L1 mm
PEY17090LS	90	200	450
PEY17110LS	110	250	450
PEY17125LS	125	250	450
PEY17140LS	140	500	600
PEY17160LS	160	500	600
PEY17180LS	180	500	750
PEY17200LS	200	500	750
PEY17225LS	225	550	750
PEY17250LS	250	650	900
PEY17280LS	280	650	900
PEY17315LS	315	700	1050
PEY17355LS	355	700	1180
PEY17400LS	400	1100	1250
PEY17450LS	450	1100	1300
PEY17500LS	500	1200	1400
PEY17560LS	560	1200	1400
PEY17630LS	630	1200	1440
PEY17710LS	710	1700	1500
PEY17800LS	800	1700	1500

Note:

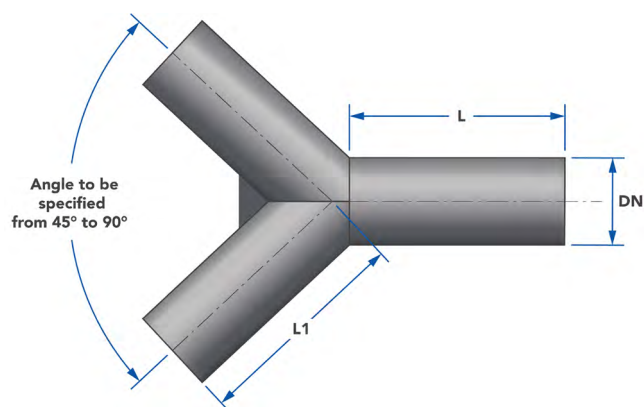
These fittings are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

Multiple suppliers' products can be stocked. All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.



Butt-welded 90° - PE100 SDR11

Iplex product Code	Typical dimensions		
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm
PEY11090LS	90	200	450
PEY1111DLS	110	250	450
PEY11125LS	125	250	450
PEY11140LS	140	500	600
PEY11160LS	160	500	600
PEY11180LS	180	500	750
PEY11200LS	200	500	750
PEY11225LS	225	550	750
PEY11250LS	250	650	900
PEY11280LS	280	650	900
PEY11315LS	315	700	1050
PEY11355LS	355	700	1180
PEY11400LS	400	1100	1250
PEY11450LS	450	1100	1300
PEY11500LS	500	1200	1400
PEY11560LS	560	1200	1400
PEY11630LS	630	1200	1440
PEY11710LS	710	1700	1500
PEY11800LS	800	1700	1500



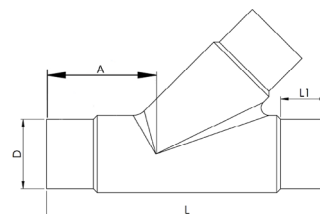
Note:

These fittings are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

Multiple suppliers' products can be stocked. All dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.

Moulded and machined angle branch 45° long spigot

- SDR17 - water PN10 / gas 6 bar
- d63 - 630
- Complies to AS/NZS 4129
- PE100

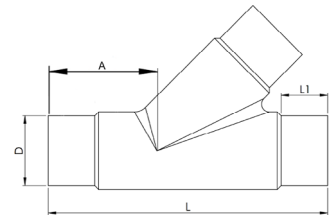


Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar					
PEYJ17063LS	63	254	63	164	0.37
PEYJ17075LS	75	284	70	185	0.54
PEYJ17090LS	90	321	79	213	0.83
PEYJ17110LS	110	376	82	251	1.45
PEYJ17125LS	125	412	87	277	2.13
PEYJ17140LS	140	500	100	-	4.17
PEYJ17160LS	160	531	98	356	4.56
PEYJ17180LS	180	578	105	394	6.39
PEYJ17200LS	200	630	112	430	8.35
PEYJ17225LS	225	692	120	475	11.86
PEYJ17250LS	250	729	129	507	15.48
PEYJ17280LS	280*	852	146	-	31.1
PEYJ17315LS	315*	965	165	-	44.4
PEYJ17355LS	355*	1165	300	-	-
PEYJ17400LS	400*	1230	300	-	-
PEYJ17450LS	450*	1300	300	-	-
PEYJ17500LS	500*	1470	350	-	-
PEYJ17560LS	560*	1555	350	-	-
PEYJ17630LS	630*	1655	350	-	-

*Are manufactured from machined billets fully rated.

Moulded and machined angle branch 45° long spigot

- SDR11 - water PN10 / gas 6 bar
- d63 - 630
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR11 water PN 16 Gas 10 bar					
PEYJ11063LS	63	254	63	164	0.50
PEYJ11075LS	75	284	70	185	0.70
PEYJ11090LS	90	321	79	213	1.10
PEYJ11110LS	110	376	82	251	2.00
PEYJ11125LS	125	412	87	277	2.9
PEYJ11140LS	140	500	100	-	4.90
PEYJ11160LS	160	531	98	356	6.20
PEYJ11180LS	180	578	105	394	8.60
PEYJ11200LS	200	630	112	430	11.00
PEYJ11225LS	225	692	120	475	16.00
PEYJ11250LS	250	729	129	507	20.00
PEYJ11280LS	280*	852	146	-	23.40
PEYJ11315LS	315*	965	165	-	33.40
PEYJ11355LS	355*	1165	300	-	-
PEYJ11400LS	400*	1230	300	-	-
PEYJ11450LS	450*	1300	300	-	-
PEYJ11500LS	500*	1470	350	-	-
PEYJ11560LS	560*	1555	350	-	-
PEYJ11630LS	630*	1655	350	-	-

*Are manufactured from machined billets fully rated.

9.26 Butt-welded junctions

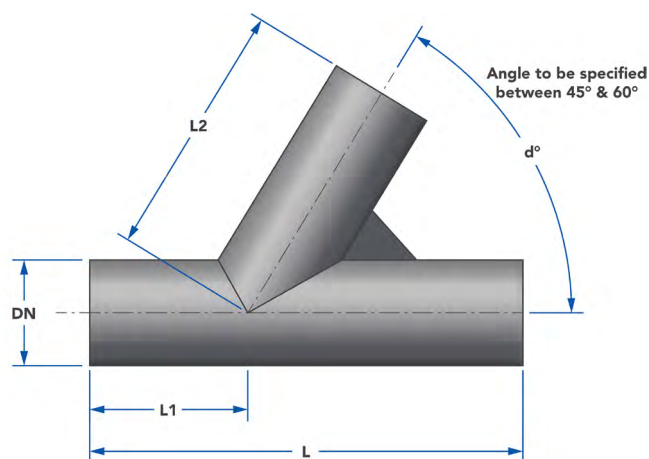
45° - PE100 SDR17

Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. L2 mm
PEYJ1709045LS	90	700	270	430
PEYJ1711045LS	110	700	270	430
PEYJ1712545LS	125	750	300	450
PEYJ1714045LS	140	780	300	480
PEYJ1716045LS	160	850	330	520
PEYJ1718045LS	180	950	360	590
PEYJ1720045LS	200	960	370	590
PEYJ1722545LS	225	1080	420	660
PEYJ1725045LS	250	1150	450	710
PEYJ1728045LS	280	1250	500	750
PEYJ1731545LS	315	1350	530	820
PEYJ1735545LS	355	1450	570	880
PEYJ1740045LS	400	1550	600	950
PEYJ1745045LS	450	1850	650	1200
PEYJ1750045LS	500	2100	700	1400
PEYJ1756045LS	560	2200	800	1400
PEYJ1763045LS	630	2300	800	1500
PEYJ1771045LS	710	2600	900	1700
PEYJ1780045LS	800	2800	1000	1800
PEYJ1790045LS	900	3200	1200	2000

Note:

These fittings are manufactured from SDR11 pipe and are subjected to pressure de-rating. Please refer to www.pipa.com.au for details.

Multiple suppliers' products can be stocked, all dimensions, masses and volumes are approximate only.

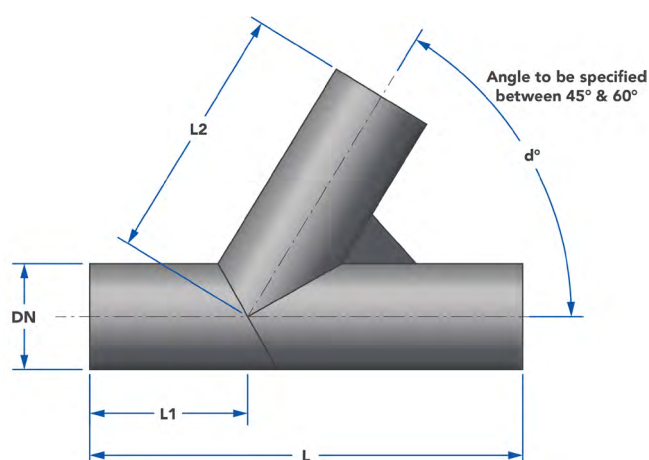


45° - PE100 SDR11

Iplex product code	Typical dimensions			
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm	Dim. L2 mm
PEYJ1109045LS	90	700	270	430
PEYJ1111045LS	110	700	270	430
PEYJ1112545LS	125	750	300	450
PEYJ1114045LS	140	780	300	480
PEYJ1116045LS	160	850	330	520
PEYJ1118045LS	180	950	360	590
PEYJ1120045LS	200	960	370	590
PEYJ1122545LS	225	1080	420	660
PEYJ1125045LS	250	1150	450	710
PEYJ1128045LS	280	1250	500	750
PEYJ1131545LS	315	1350	530	820
PEYJ1135545LS	355	1450	570	880
PEYJ1140045LS	400	1550	600	950
PEYJ1145045LS	450	1850	650	1200
PEYJ1150045LS	500	2100	700	1400
PEYJ1156045LS	560	2200	800	1400
PEYJ1163045LS	630	2300	800	1500
PEYJ1171045LS	710	2600	900	1700
PEYJ1180045LS	800	2800	1000	1800
PEYJ1190045LS	900	3200	1200	2000

Note:

These fittings are manufactured from SDR11 pipe and are subjected to pressure de-rating. Please refer to www.pipa.com.au for details. Multiple suppliers' products can be stocked, all dimensions, masses and volumes are approximate only.



9.27 Butt-welded tees

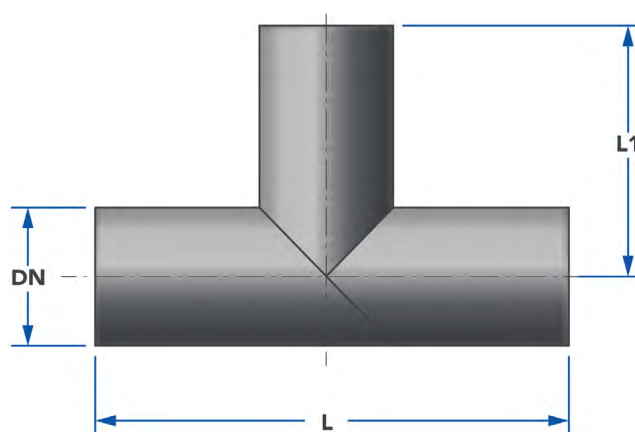
PE100 SDR17

Iplex product code	Typical dimensions		
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm
PETF17080LS	90	400	200
PETF17110LS	110	500	250
PETF17125LS	125	500	250
PETF17140LS	140	500	500
PETF17160LS	160	600	500
PETF17180LS	180	620	500
PETF17200LS	200	650	500
PETF17225LS	225	650	550
PETF17250LS	250	700	650
PETF17280LS	280	700	650
PETF17315LS	315	800	700
PETF17355LS	355	800	700
PETF17400LS	400	1000	1100
PETF17450LS	450	1100	1100
PETF17500LS	500	1200	1200
PETF17560LS	560	1200	1200
PETF17630LS	630	1200	1200
PETF17710LS	710	1500	1700
PETF17800LS	800	1600	1700
PETF171000LS	1000	1800	1700

Note:

These fittings are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

Multiple suppliers' products can be stocked, all dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.



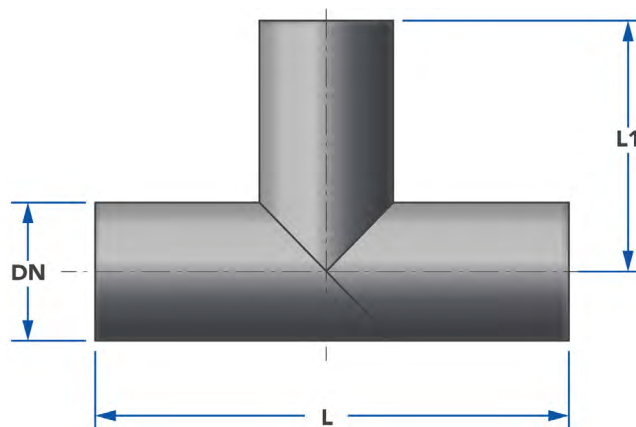
Butt-welded tees PE100 SDR11

Iplex product code	Typical dimensions		
	Nominal diameter DN mm	Dim. L mm	Dim. L1 mm
PETF11090LS	90	400	200
PETF11110LS	110	500	250
PETF11125LS	125	500	250
PETF1114□LS	140	500	500
PETF11160LS	160	600	500
PETF11180LS	180	620	500
PETF11200LS	200	650	500
PETF11225LS	225	650	550
PETF11250LS	250	700	650
PETF11280LS	280	700	650
PETF11315LS	315	800	700
PETF11355LS	355	800	700
PETF11400LS	400	1000	1100
PETF11450LS	450	1100	1100
PETF11500LS	500	1200	1200
PETF11560LS	560	1200	1200
PETF11630LS	630	1200	1200
PETF11710LS	710	1500	1700
PETF11800LS	800	1600	1700
PETF111000LS	1000	1800	1700

Note:

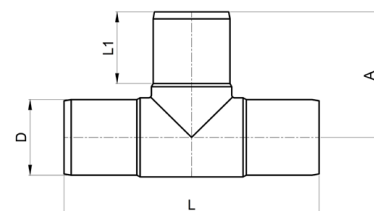
These fittings are subject to pressure de-rating. Please refer to www.pipa.com.au for details.

Multiple suppliers' products can be stocked, all dimensions, masses and volumes are approximate only. If critical contact Iplex Pipelines.



Moulded equal tees spigot

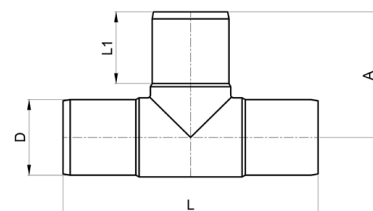
- SDR17 - water PN10 / gas 6 bar
- d50 - 630
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar					
PET17050LS	50	184	57	90	0.13
PET17063LS	63	225	63	114	0.26
PET17075LS	75	261	70	130	0.44
PET17090LS	90	290	79	142	0.69
PET17110LS	110	327	82	162	1.12
PET17125LS	125	356	87	178	1.61
PET17140LS	140	378	92	189	1.97
PET17160LS	160	417	98	208	3.09
PET17180LS	180	458	105	225	4.09
PET17200LS	200	481	112	236	5.28
PET17225LS	225	527	120	260	7.45
PET17250LS	250	590	129	292	9.93
PET17280LS	280	690	139	340	15.49
PET17315LS	315	712	150	352	18.83
PET17355LS	355	789	164	394	29.00
PET17400LS	400	877	179	439	40.34
PET17450LS	450	984	195	470	59.80
PET17500LS	500	1090	220	515	78.20
PET17560LS	560	1230	240	565	107.20
PET17630LS	630	1320	250	618	144.80

Machined equal tees long spigot (fully rated)

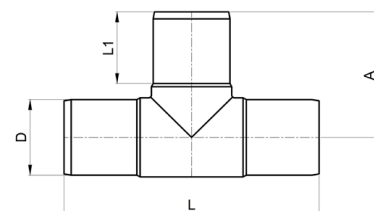
- **SDR17** - water PN10 / gas 6 bar
- d710 - 1200
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR17 water PN 10 (gas 6 bar - upon request)					
PET17710LS	710-710	1560	350	350	196.4
PET17800LS	800-800	1652	350	350	258.9
PET17900LS	900-900	1850	400	400	366.3
PET17100LS	1000-1000	1955	400	400	474.1
PET171200LS	1200-1200	2155	400	400	739.6

Moulded equal tees long spigot

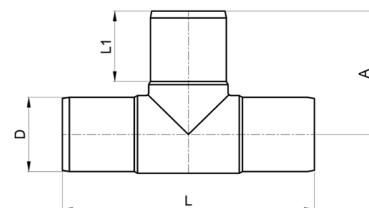
- SDR11 - water PN16 / gas 10 bar
- d20 - 630
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar					
PET11020LS	20	148	41	74	0.04
PET11025LS	25	158	41	78	0.05
PET11032LS	32	166	44	84	0.09
PET11040LS	40	188	49	96	0.10
PET11050LS	50	229	55	114	0.25
PET11063LS	63	216	63	107	0.38
PET11075LS	75	261	70	130	0.59
PET11090LS	90	290	79	142	0.92
PET11110LS	110	327	82	162	1.57
PET11125LS	125	356	87	178	2.26
PET11140LS	140	380	92	189	2.79
PET11160LS	160	417	98	208	4.25
PET11180LS	180	458	105	225	5.85
PET11200LS	200	481	112	236	7.50
PET11225LS	225	527	120	260	10.27
PET11250LS	250	590	129	292	14.03
PET11280LS	280	690	139	340	21.60
PET11315LS	315	712	150	352	26.55
PET11355LS	355	789	164	394	39.26
PET11400LS	400	877	179	439	54.00
PET11450LS	450	984	195	470	80.00
PET11500LS	500	1090	220	515	110.00
PET11560LS	560	1230	240	565	146.00
PET11630LS	630	1320	250	618	193.80

Machined equal tees long spigot (fully rated)

- SDR11 - water PN16 / gas 10 bar
- d710 - 1200
- PE100

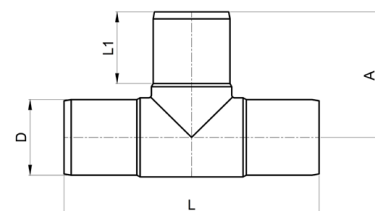


Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PET11710LS	710-710	1560	350	736	273.90
PET11800LS	800-800	1652	350	781	369.10
PET11900LS	900-900	1850	400	881	519.00
PET11100LS	1000-1000	1990	400	950	696.35
PET111200LS	1200-1200	2190	400	1052	1103.54

Larger sizes may be available on request. Contact your Iplex representative.

Moulded equal tees long spigot

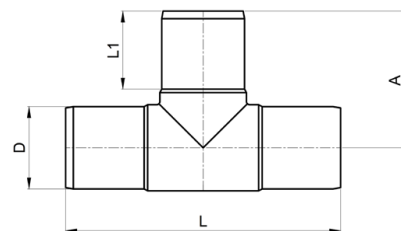
- SDR7.4 - water PN25
- d20 - 630
- Ends can be routed to SDR9
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR7.4 water PN 16 gas 10 bar					
PET074020LS	20	-	-	-	-
PET074025LS	25	139	46	-	0.06
PET074032LS	32	148	49	-	0.09
PET074040LS	40	175	57	-	0.17
PET074050LS	50	180	56	-	0.23
PET074063LS	63	229	68	-	0.52
PET074075LS	75	256	72	-	0.80
PET074090LS	90	303	82	-	1.36
PET074110LS	110	336	92	-	2.24
PET074125LS	125	356	91	-	2.98
PET074140LS	140	390	96	-	4.18
PET074160LS	160	423	104	-	6.36
PET074180LS	180	451	107	-	7.78
PET074200LS	200	501	117	-	10.60
PET074225LS	225	538	121	-	14.27
PET074250LS	250	596	131	-	19.74
PET074280LS	280	651	127	-	27.18
PET074315LS	315	703	152	-	40.00
PET074355LS	355	800	165	-	52.20
PET074400LS	400	890	180	-	66.00
PET074450LS	450	984	195	-	92.60
PET074500LS	500	1090	220	-	142.00
PET074560LS	560	1230	240	-	205.00
PET074630LS	630	1320	250	-	-

Machined equal tees long spigot (fully rated)

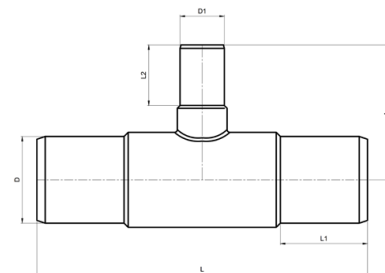
- SDR7.4 - water PN25
- PE100
- d25-630
- Complies to AS/NZS 4129



Iplex product code	Fitting size mm	L mm	L1 mm	A mm	Weight kg
PE100 SDR7.4 water PN 16 gas 10 bar					
PET074710LS	710-710	1570	350	741	385.99
PET074800LS	800-800	1660	350	786	510.90
PET074900LS	900-900	1850	400	881	372.07

Moulded reducing tees

- SDR17 - water PN10 / gas 6 bar
- d200X160 - 630X250
- Complies to AS/NZS 4129
- PE100



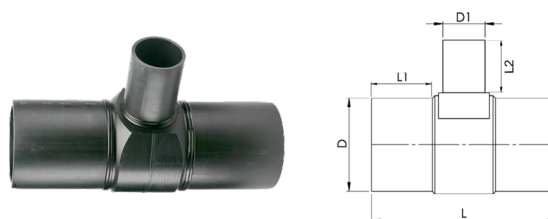
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	A mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar						
PETR17200160LS	200-160	481	112	98	227	4.91
PETR17200180LS	200-180	500	116	112	-	6.75
PETR17225075LS	225-75	561	129	72	219	7.06
PETR17225090LS	225-90	527	120	79	222	6.38
PETR17225110LS	225-110	527	120	82	226	6.50
PETR17225125LS	225-125	527	120	87	239	6.51
PETR17225160LS	225-160	527	120	98	242	6.69
PETR17225180LS	225-180	540	120	106	-	6.96
PETR17250090LS	250-90	590	129	79	243	8.35
PETR17250110LS	250-110	590	129	82	251	8.45
PETR17250125LS	250-125	590	129	87	252	8.46
PETR17250160LS	250-160	590	129	98	267	8.71
PETR17250180LS	250-180	596	130	109	-	9.56
PETR17250200LS	250-200	590	129	112	278	9.05

Moulded reducing tees continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	A mm	Weight kg
PETR17250225LS	250-225	590	129	120	285	9.56
PETR17280110LS	280-110	690	139	82	290	13.28
PETR17280160LS	280-160	690	139	98	302	13.76
PETR17280200LS	280-200	690	139	112	316	13.87
PETR17280225LS	280-225	690	139	120	320	14.41
PETR17280250LS	280-250	690	139	129	334	14.64
PETR17315110LS	315-110	712	150	82	293	16.35
PETR17315125LS	315-125	703	152	105	-	18.03
PETR17315160LS	315-160	712	150	98	303	16.73
PETR17315180LS	315-180	703	152	116	-	18.24
PETR17315200LS	315-200	712	150	112	317	16.80
PETR17315225LS	315-225	712	150	120	320	17.22
PETR17315250LS	315-250	712	150	129	332	17.75
PETR17355110LS	355-110	690	180	90	-	20.60
PETR17355160LS	355-160	685	180	101	-	20.94
PETR17355225LS	355-225	674	174	120	-	20.94
PETR17355250LS	355-250	685	175	130	-	21.40
PETR17400110LS	400-110	755	190	89	-	29.00
PETR17400160LS	400-160	755	190	102	-	29.10
PETR17400225LS	400-225	755	190	120	-	29.92
PETR17450315LS	450-160	676	197	100	-	31.80
PETR17450225LS	450-225	765	198	122	-	40.00
PETR17450160LS	450-315	887	198	155	-	48.00
PETR17500160LS	500-160	710	215	99	-	39.54
PETR17500250LS	500-250	960	240	135	-	46.40
PETR17560250LS	560-250	960	240	135	-	70.80
PETR17630160LS	630-160	800	255	101	-	66.20
PETR17630250LS	630-250	875	255	137	-	80.20

Machined reducing tees

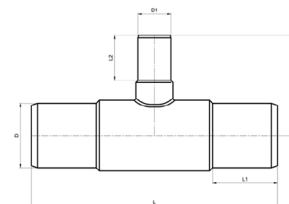
- SDR17 - water PN10 / (Gas 5 bar - upon request)
- d630X180 - 710X560
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting Size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR17 water PN 10 gas 5 bar (upon request)					
PETR17630180LS	630-180	1025	350	150	77.10
PETR17630200LS	630-200	1045	350	150	79.10
PETR17630225LS	630-225	1070	350	150	81.70
PETR17630250LS	630-250	1095	350	250	85.50
PETR17630280LS	630-280	1125	350	250	89.10
PETR17630315LS	630-315	1160	350	300	94.20
PETR17630355LS	630-355	1200	350	300	99.60
PETR17630400LS	630-400	1246	350	300	106.10
PETR17630450LS	630-450	1296	350	300	113.70
PETR17630500LS	630-500	1346	350	350	124.00
PETR17710180LS	710-180	1025	350	150	97.10
PETR17710200LS	710-200	1045	350	150	99.60
PETR17710225LS	710-225	1070	350	150	102.80
PETR17710250LS	710-250	1095	350	250	107.00
PETR17710280LS	710-280	1125	350	250	111.30
PETR17710315LS	710-315	1160	350	300	117.20
PETR17710355LS	710-355	1200	350	300	123.40
PETR17710450LS	710-400	1246	350	300	130.90
PETR17710450LS	710-450	1296	350	300	139.60
PETR17710500LS	710-500	1346	350	350	150.90
PETR17710560LS	710-560	1410	350	350	163.60

Moulded reducing tees long spigot

- SDR11 - water PN16 / gas 10 bar
- d50X25 - 280X160
- Complies to AS/NZS 4129
- PE100



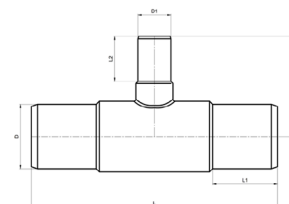
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	A mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar						
PETR11050025LS	50-25	229	55	41	85	0.17
PETR11050032LS	50-32	229	55	44	88	0.19
PETR11050040LS	50-40	229	55	49	94	0.20
PETR11063032LS	63-32	216	63	44	89	0.31
PETR11063040LS	63-40	216	63	49	95	0.28
PETR11063050LS	63-50	216	63	55	103	0.33
PETR11075032LS	75-32	260	70	44	100	0.45
PETR11075040LS	75-40	261	70	49	106	0.45
PETR11075050LS	75-50	261	70	55	113	0.47
PETR11075063LS	75-63	261	70	63	121	0.53
PETR11090050LS	90-50	290	79	55	124	0.78
PETR11090063LS	90-63	290	79	63	132	0.80
PETR11090075LS	90-75	290	79	70	136	0.85
PETR11110050LS	110-50	327	82	55	147	1.28
PETR11110063LS	110-63	327	82	63	149	1.33
PETR11110075LS	110-75	327	82	70	151	1.36
PETR11110090LS	110-90	327	82	79	157	1.42
PETR11125063LS	125-63	356	87	63	154	1.74
PETR11125090LS	125-90	356	87	79	172	2.04
PETR11125110LS	125-110	356	87	82	176	2.14
PETR11140063LS	140-63	390	97	72	-	2.51
PETR11140090LS	140-90	380	92	79	175	2.41
PETR11140110LS	140-110	380	92	82	179	2.54
PETR11140125LS	140-125	380	92	87	184	2.7
PETR11160063LS	160-63	390	98	63	175	3.42
PETR11160075LS	160-75	417	98	70	182	3.50

Moulded reducing tees long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	A mm	Weight kg
PETR11160090LS	160-90	417	98	79	187	3.54
PETR11160110LS	160-110	417	98	82	195	3.67
PETR11160125LS	160-125	417	98	87	200	3.75
PETR11180063LS	180-63	450	105	64	-	4.59
PETR11180090LS	180-90	458	105	79	206	5.00
PETR11180110LS	180-110	458	105	82	210	4.98
PETR11180125LS	180-125	458	105	87	215	5.14
PETR11180160LS	180-160	458	105	98	222	5.38
PETR11200063LS	200-63	481	112	63	191	6.24
PETR11200090LS	200-90	481	112	79	207	6.30
PETR11200110LS	200-110	481	112	82	211	6.44
PETR11200125LS	200-125	481	112	87	225	6.70
PETR11200160LS	200-160	481	112	98	227	6.90
PETR11200180LS	200-180	500	116	112	-	7.10
PETR11225075LS	225-75	560	129	73	219	9.75
PETR11225090LS	225-90	527	120	79	222	8.62
PETR11225110LS	225-110	527	120	82	226	8.78
PETR11225125LS	225-125	527	120	87	239	8.78
PETR11225160LS	225-160	527	120	98	242	9.22
PETR11225180LS	225-180	540	120	106	-	9.80
PETR11250090LS	250-90	590	129	79	243	11.51
PETR11250110LS	250-110	590	129	82	251	11.73
PETR11250125LS	250-125	590	129	87	252	11.74
PETR11250160LS	250-160	590	129	98	267	12.25
PETR11250180LS	250-180	596	130	106	-	12.62
PETR11250200LS	250-200	590	129	112	278	12.81
PETR11250225LS	250-225	590	129	120	285	13.16
PETR11280110LS	280-110	690	139	82	290	17.97
PETR11280160LS	280-160	690	139	98	302	18.64

Moulded reducing tees long spigot

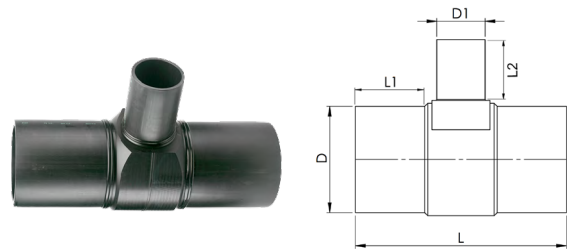
- SDR11 - water PN16 / gas 10 Bar
- d280X200 - 630X250
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	A mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar						
PETR11280200LS	280-200	690	139	112	316	19.33
PETR11280225LS	280-225	690	139	120	320	19.85
PETR11280250LS	280-250	685	139	129	331	20.45
PETR11315110LS	315-110	712	150	82	293	22.00
PETR11315125LS	315-125	703	152	105	-	23.50
PETR11315160LS	315-160	712	150	98	303	22.60
PETR11315180LS	315-180	703	152	116	-	24.10
PETR11315200LS	315-200	712	150	112	317	23.05
PETR11315225LS	315-225	712	150	120	325	23.70
PETR11315250LS	315-250	712	150	129	332	25.32
PETR11355110LS	355-110	690	180	90	-	28.16
PETR11355160LS	355-160	685	180	101	-	27.80
PETR11355225LS	355-225	674	174	120	-	28.97
PETR11400110LS	400-110	755	190	89	-	38.40
PETR11400160LS	400-160	755	190	102	-	39.31
PETR11400225LS	400-225	755	190	120	-	50.20
PETR11450315LS	450-315	887	198	155	-	63.80
PETR11450225LS	450-225	765	198	122	-	53.00
PETR11450160LS	450-160	676	197	100	-	42.60
PETR11500160LS	500-160	710	215	99	-	55.20
PETR11500250LS	500-250	815	220	140	-	63.00
PETR11560250LS	560-250	960	240	135	-	95.00
PETR11630160LS	630-160	800	255	100	-	99.50
PETR11630250LS	630-250	875	255	137	-	103.00

Machined reducing tees long spigot

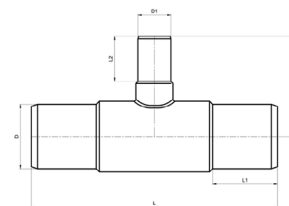
- SDR11 - water PN16 / (gas 10 bar - upon request)
- d630x280 - 710x560
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PETR11630280LS	630-280	1125	350	250	126.10
PETR11630315LS	630-315	1160	350	300	133.20
PETR11630355LS	630-355	1200	350	300	140.40
PETR11630400LS	630-400	1246	350	300	149.20
PETR11630450LS	630-450	1296	350	300	159.40
PETR11630500LS	630-500	1346	350	350	173.30
PETR11630630LS	630-630	1480	350	350	206.40
PETR11710180LS	710-180	1025	350	150	138.90
PETR11710200LS	710-200	1045	350	150	142.30
PETR11710225LS	710-225	1070	350	150	146.50
PETR11710250LS	710-250	1095	350	250	152.30
PETR11710280LS	710-280	1125	350	250	158.10
PETR11710315LS	710-315	1160	350	300	166.20
PETR11710355LS	710-355	1200	350	300	174.60
PETR11710450LS	710-400	1246	350	300	184.70
PETR11710450LS	710-450	1296	350	300	196.30
PETR11710500LS	710-500	1346	350	350	211.70
PETR11710560LS	710-560	1410	350	350	228.80

Moulded reducing tees

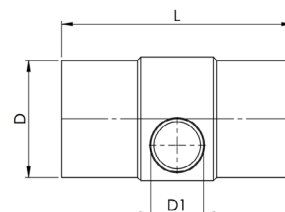
- SDR7.4 - Water PN25
- SDR9 - Water PN20
- d250X160 - 560X250
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	A mm	Weight kg
PE100 SDR7.4 water PN 25						
PETR074250160LS	250-160	596	130	106	-	17.00
PETR074315110LS	315-110	703	156	91	-	29.80
PETR074315160LS	315-160	703	152	106	-	34.18
PETR074315200LS	315-200	703	152	120	-	33.37
PETR074355160LS	355-160	685	180	101	-	37.70
PETR074400160LS	400-160	755	190	102	-	52.22
PETR074400225LS	400-225	755	190	120	-	53.40
PETR074450160LS	450-160	676	197	100	-	57.71
PETR074450225LS	450-225	765	196	122	-	63.39
PETR074450315LS	450-315	887	196	155	-	88.59
PETR074560250LS	560-250	960	240	135	-	167.20
PE100 SDR9 water PN20						
PETR09250160LS	250-160	596	130	106	-	16.50
PETR09315110LS	315-110	703	156	91	-	29.00
PETR09315160LS	315-160	703	152	106	-	29.50
PETR09315200LS	315-200	703	152	120	-	29.50
PETR09355160LS	355-160	685	180	101	-	35.82
PETR09400160LS	400-160	755	190	102	-	49.61
PETR09400225LS	400-225	755	190	120	-	50.73
PETR09450160LS	450-160	676	197	100	-	49.60
PETR09450225LS	450-225	765	196	122	-	62.20
PETR09450315LS	450-315	887	196	155	-	74.60
PETR09560250LS	560-250	960	240	135	-	158.84

Machined eccentric reducing tees long spigot

- SDR17 - water PN10 (gas 5 bar - upon request)
- d280X63 - 500X225
- Complies to AS/NZS 4129
- PE100



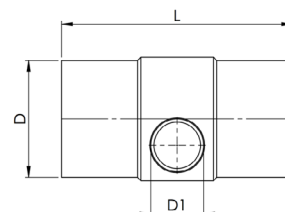
iplex product code	Fitting size mm	L mm	Weight kg
PE100 SDR17 water PN 10 (gas 5 bar - upon request)			
PETER17280063LS	280-63	690	10.90
PETER17280075LS	280-75	705	11.30
PETER17280090LS	280-90	720	11.70
PETER17280110LS	280-110	740	12.20
PETER17280125LS	280-125	755	12.70
PETER17280140LS	280-140	770	13.10
PETER17280160LS	280-160	790	13.80
PETER17280180LS	280-180	810	14.40
PETER17280200LS	280-200	830	15.20
PETER17280225LS	280-225	855	16.10
PETER17315075LS	315-75	805	15.80
PETER17315090LS	315-90	820	16.20
PETER17315110LS	315-110	840	16.90
PETER17315125LS	315-125	855	17.40
PETER17315140LS	315-140	870	17.90
PETER17315160LS	315-160	890	18.60
PETER17315180LS	315-180	910	19.40
PETER17315200LS	315-200	930	20.20
PETER17315225LS	315-225	955	21.20
PETER17315250LS	315-250	980	23.50
PETER17355090LS	355-90	820	20.60
PETER17355110LS	355-110	840	21.40
PETER17355125LS	355-125	855	22.00
PETER17355140LS	355-140	870	22.60
PETER17355160LS	355-160	890	23.50
PETER17355180LS	355-180	910	24.40

Machined eccentric reducing tees long spigot continued

Iplex product code	Fitting size mm	L mm	Weight kg
PETER17355200LS	355-200	930	25.30
PETER17355225LS	355-225	955	26.50
PETER17355250LS	355-250	980	28.90
PETER17355280LS	355-280	1010	30.80
PETER17400110LS	400-110	840	26.60
PETER17400125LS	400-125	855	27.30
PETER17400140LS	400-140	870	28.00
PETER17400160LS	400-160	890	29.00
PETER17400180LS	400-180	910	30.00
PETER17400200LS	400-200	930	31.10
PETER17400225LS	400-225	955	32.40
PETER17400250LS	400-250	980	34.90
PETER17400280LS	400-280	1010	37.00
PETER17400315LS	400-315	1045	40.50
PETER17450125LS	450-125	855	34.10
PETER17450140LS	450-140	870	35.00
PETER17450160LS	450-160	890	36.20
PETER17450180LS	450-180	910	37.30
PETER17450200LS	450-200	930	38.50
PETER17450225LS	450-225	955	40.10
PETER17450250LS	450-250	980	42.70
PETER17450280LS	450-280	1010	45.10
PETER17450315LS	450-315	1045	48.80
PETER17450355LS	450-355	1085	52.70
PETER17500140LS	500-140	970	47.30
PETER17500160LS	500-160	990	48.70
PETER17500180LS	500-180	1010	50.10
PETER17500200LS	500-200	1030	51.50
PETER17500225LS	500-225	1055	53.40

Machined eccentric reducing tees long spigot

- SDR17 - water PN10 (gas 5 bar - upon request)
- d500X250 - 710X560
- Complies to AS/NZS 4129
- PE100



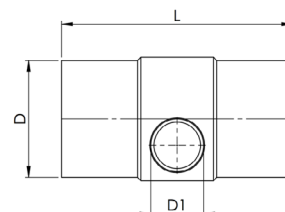
iplex product code	Fitting size mm	L mm	Weight kg
PE100 SDR17 water PN 10 (gas 5 bar - upon request)			
PETER17500250LS	500-250	1080	56.20
PETER17500280LS	500-280	1110	58.90
PETER17500315LS	500-315	1145	62.90
PETER17500355LS	500-355	1185	67.20
PETER17500400LS	500-400	1230	72.30
PETER17560160LS	560-160	1020	62.30
PETER17560180LS	560-180	1045	64.50
PETER17560200LS	560-200	1065	66.20
PETER17560225LS	560-225	1085	67.90
PETER17560250LS	560-250	1110	71.10
PETER17560280LS	560-280	1140	74.10
PETER17560315LS	560-315	1180	79.10
PETER17560355LS	560-355	1195	84.20
PETER17560400LS	560-400	1270	89.90
PETER17560450LS	560-450	1315	96.40
PETER17630180LS	630-180	1045	80.50
PETER17630200LS	630-200	1065	82.50
PETER17630225LS	630-225	1085	84.60
PETER17630250LS	630-250	1110	88.20
PETER17630280LS	630-280	1140	91.70
PETER17630315LS	630-315	1180	97.20
PETER17630355LS	630-355	1225	103.00
PETER17630400LS	630-400	1270	109.10
PETER17630450LS	630-450	1315	116.10
PETER17630500LS	630-500	1370	127.10
PETER17710180LS	710-180	1045	102.40

Machined eccentric reducing tees long spigot continued

Iplex product code	Fitting size <i>mm</i>	L <i>mm</i>	Weight <i>kg</i>
PETER17710200LS	710-200	1065	105.00
PETER17710225LS	710-225	1085	107.50
PETER17710250LS	710-250	1110	111.80
PETER17710280LS	710-280	1140	116.00
PETER17710315LS	710-315	1180	122.70
PETER17710355LS	710-355	1225	129.50
PETER17710400LS	710-400	1270	136.70
PETER17710450LS	710-450	1315	144.40
PETER17710500LS	710-500	1370	156.50
PETER17710560LS	710-560	1430	169.00

Machined eccentric reducing tees long spigot

- SDR11 - water PN16 (gas 10 bar - upon request)
- d280X63 - 500X225
- Complies to AS/NZS 4129
- PE100



iplex product code	Fitting size mm	L mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)			
PETER11280063LS	280-63	690	15.40
PETER11280075LS	280-75	705	15.90
PETER11280090LS	280-90	720	16.40
PETER11280110LS	280-110	740	17.20
PETER11280125LS	280-125	755	17.70
PETER11280140LS	280-140	770	18.30
PETER11280160LS	280-160	790	19.20
PETER11280180LS	280-180	810	20.10
PETER11280200LS	280-200	830	21.00
PETER11280225LS	280-225	855	22.30
PETER11315075LS	315-75	815	22.40
PETER11315090LS	315-90	820	23.00
PETER11315110LS	315-110	840	23.90
PETER11315125LS	315-125	855	24.60
PETER11315140LS	315-140	870	25.30
PETER11315160LS	315-160	890	26.20
PETER11315180LS	315-180	910	27.20
PETER11315200LS	315-200	930	28.30
PETER11315225LS	315-225	955	29.70
PETER11315250LS	315-250	980	32.80
PETER11355090LS	355-90	820	29.20
PETER11355110LS	355-110	840	30.20
PETER11355125LS	355-125	855	31.00
PETER11355140LS	355-140	870	31.90
PETER11355160LS	355-160	890	33.00
PETER11355180LS	355-180	910	34.20

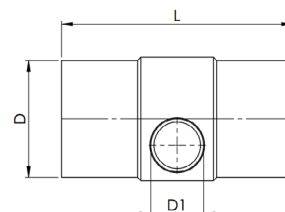
Machined eccentric reducing tees long spigot continued

Iplex product code	Fitting size mm	L mm	Weight kg
PETER11355200LS	355-200	930	35.40
PETER11355225LS	355-225	955	37.00
PETER11355250LS	355-250	980	40.30
PETER11355280LS	355-280	1010	42.90
PETER11400110LS	400-110	840	37.80
PETER11400125LS	400-125	855	38.80
PETER11400140LS	400-140	870	39.80
PETER11400160LS	400-160	890	41.10
PETER11400180LS	400-180	910	42.50
PETER11400200LS	400-200	930	43.90
PETER11400225LS	400-225	955	45.70
PETER11400250LS	400-250	980	49.20
PETER11400280LS	400-280	1010	52.00
PETER11400315LS	400-315	1045	56.80
PETER11450125LS	450-125	855	48.60
PETER11450140LS	450-140	870	49.80
PETER11450160LS	450-160	890	51.40
PETER11450180LS	450-180	910	53.00
PETER11450200LS	450-200	930	54.60
PETER11450225LS	450-225	955	56.70
PETER11450250LS	450-250	980	60.50
PETER11450280LS	450-280	1010	63.60
PETER11450315LS	450-315	1045	68.80
PETER11450355LS	450-355	1085	74.00
PETER11500140LS	500-140	970	67.50
PETER11500160LS	500-160	990	69.40
PETER11500180LS	500-180	1010	71.30
PETER11500200LS	500-200	1030	73.20
PETER11500225LS	500-225	1055	75.70

Note: Be advised that eccentric branches can require expertise in welding techniques. Please check with your installer for suitability.

Machined eccentric reducing tees

- SDR11 - water PN16 / (gas 10 bar - upon request)
- d500X250 - 710X560
- Complies to AS/NZS 4129
- PE100



iplex product code	Fitting Size mm	L mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)			
PETER11500250LS	500-250	1080	79.80
PETER11500280LS	500-280	1110	83.30
PETER11500315LS	500-315	1145	88.90
PETER11500355LS	500-355	1185	94.60
PETER11500400LS	500-400	1230	101.50
PETER11560160LS	560-160	1020	88.90
PETER11560180LS	560-180	1045	91.80
PETER11560200LS	560-200	1065	94.10
PETER11560225LS	560-225	1085	96.50
PETER11560250LS	560-250	1110	101.10
PETER11560280LS	560-280	1140	105.10
PETER11560315LS	560-315	1180	112.00
PETER11560355LS	560-355	1225	118.90
PETER11560400LS	560-400	1270	126.50
PETER11560450LS	560-450	1315	135.20
PETER11630180LS	630-180	1045	115.00
PETER11630200LS	630-200	1065	117.80
PETER11630225LS	630-225	1085	120.60
PETER11630250LS	630-250	1110	125.80
PETER11630280LS	630-280	1140	130.50
PETER11630315LS	630-315	1180	138.20
PETER11630355LS	630-355	1225	146.00
PETER11630400LS	630-400	1270	154.50
PETER11630450LS	630-450	1315	163.90
PETER11630500LS	630-500	1370	178.80
PETER11710180LS	710-180	1045	146.30

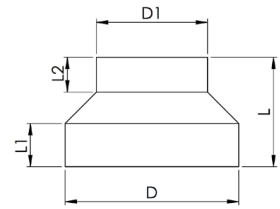
Machined eccentric reducing tees continued

Iplex product code	Fitting Size mm	L mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request) continued			
PETER11710200LS	710-200	1065	149.80
PETER11710225LS	710-225	1085	153.30
PETER11710250LS	710-250	1110	159.30
PETER11710280LS	710-280	1140	165.10
PETER11710315LS	710-315	1180	174.20
PETER11710355LS	710-355	1225	183.50
PETER11710400LS	710-400	1270	193.40
PETER11710450LS	710-450	1315	204.00
PETER11710500LS	710-500	1370	220.50
PETER11710560LS	710-560	1430	237.20

Note: Be advised that eccentric branches can require expertise in welding techniques. Please check with your installer for suitability

Moulded concentric reducers short spigot

- SDR17 - water PN10 / (gas 6 bar - upon request)
- d63X32 - 450X280
- Complies to AS/NZS 4129
- PE100



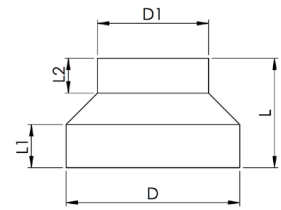
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR17 water PN 10 (gas 6 bar - Upon request)					
PER17063032	63-32	63	23	22	0.5
PER17063050	63-50	87	29	27	0.06
PER17075050	75-50	71	28	23	0.1
PER17075063	75-63	70	29	31	0.1
PER17090050	90-50	71	26	22	0.1
PER17090050	90-63	71	29	24	0.1
PER17090075	90-75	80	33	33	0.1
PER1711050	110-50	90	33	29	0.2
PER1711063	110-63	91	42	23	0.2
PER1711075	110-75	90	34	35	0.16
PER1711090	110-90	88	40	28	0.18
PER17125063	125-63	100	40	34	0.2
PER17125075	125-75	103	48	31	0.3
PER17125090	125-90	100	38	30	0.3
PER17125110	125-110	100	40	40	0.28
PER17140075	140-75	110	49	37	0.3
PER17140090	140-90	126	45	28	0.3
PER17140110	140-110	126	45	34	0.3
PER17140125	140-125	128	45	42	0.4
PER17160090	160-90	120	53	37	0.5
PER17160110	160-110	125	50	39	0.5
PER17160125	160-125	120	54	45	0.5
PER17160140	160-140	98	44	43	0.6
PER17180090	180-90	130	59	37	0.7
PER17180110	180-110	130	60	40	0.8
PER17180125	180-125	143	52	40	0.71
PER17180140	180-140	135	51	47	0.67

Moulded concentric reducers short spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER17180160	180-160	140	60	50	0.75
PER17200140	200-140	140	60	48	0.9
PER17200160	200-160	140	60	54	1
PER17200180	200-180	145	62	54	0.97
PER17225140	225-140	160	65	57	1.8
PER17225160	225-160	190	65	50	1.4
PER17225180	225-180	190	65	55	1.3
PER17225200	225-200	149	62	52	1.21
PER17250160	250-160	157	55	55	1.45
PER17250180	250-180	150	62	50	1.95
PER17250200	250-200	138	60	50	1.68
PER17250225	250-225	142	50	68	1.66
PER17280180	280-180	200	85	70	2.2
PER17280200	280-200	160	72	51	1.94
PER17280225	280-225	154	72	57	1.95
PER17280250	280-250	150	71	64	2
PER17315200	315-200	231	95	85	3.1
PER17315225	315-225	184	82	57	2.85
PER17315250	315-250	178	81	62	4.06
PER17315280	315-280	175	79	72	2.84
PER17355225	355-225	213	92	57	3.73
PER17355250	355-250	195	87	62	3.85
PER17355280	355-280	200	87	77	3.96
PER17355315	355-315	188	88	78	3.99
PER17400225	400-225	160	64	40	3.9
PER17400250	400-250	150	61	40	3.8
PER17400280	400-280	226	96	73	5.36
PER17400315	400-315	218	97	83	5.57
PER17400355	400-355	208	97	92	5.52
PER17450280	450-280	160	65	40	5.2

Moulded concentric reducers short spigot

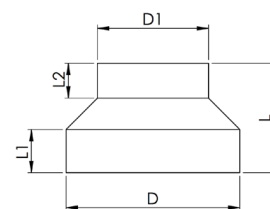
- SDR17 - water PN10 / gas 6 bar (upon request)
- d450X315 - 1200X1000
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR17 water PN 10 (gas 6 bar - upon request)					
PER17450315	450-315	206	64	76	6.4
PER17450355	450-355	203	64	92	6.05
PER17450400	450-400	188	64	99	6.1
PER17500315	500-315	170	71	40	6.9
PER17500355	500-355	210	62	81	7.97
PER17500400	500-400	210	63	96	7.12
PER17500450	500-450	166	63	63	7.13
PER17560355	560-355	170	65	40	8.8
PER17560400	560-400	240	60	98	10.97
PER17560450	560-450	187	60	65	9.04
PER17560500	560-500	192	62	61	9.04
PER17630400	630-400	190	78	40	12.7
PER17630450	630-450	234	60	68	13.8
PER17630500	630-500	192	62	61	13.3
PER17630560	630-560	188	64	65	14.26
PER17710500	710-500	190	84	40	16.6
PER17710560	710-560	160	66	40	14.37
PER17710630	710-630	160	66	62	18.45
PER17800560	800-560	200	85	40	22.5
PER17800630	800-630	180	85	40	20.4
PER17800710	800-710	150	78	40	16.8
PER17900630	900-630	220	96	40	31.6
PER17900710	900-710	190	89	40	27.5
PER17900800	900-800	160	85	40	22.9
PER171000710	1000-710	220	91	40	39.7
PER171000800	1000-800	190	86	40	34.4
PER171000900	1000-900	150	75	40	26.7
PER1712001000	1200-1000	190	922	40	51.9

Moulded concentric reducers short spigot

- SDR11 - water PN16 / (gas 10 bar - upon request)
- d90X50 - 280X250
- Complies to AS/NZS 4129
- PE100



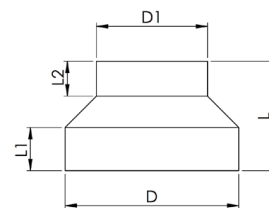
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PER11090050	90-50	73	26	22	0.10
PER11090063	90-63	71	29	24	0.10
PER11090075	90-75	80	33	33	0.16
PER11110050	110-50	90	40	29	0.20
PER11110063	110-63	105	40	36	0.25
PER11110075	110-75	90	34	35	0.25
PER11110090	110-90	104	40	41	0.30
PER11125063	125-63	100	40	34	0.30
PER11125075	125-75	98	32	19	0.31
PER11125090	125-90	110	42	41	0.37
PER11125110	125-110	100	40	48	0.40
PER11140075	140-75	110	49	37	0.50
PER11140090	140-90	126	45	28	0.40
PER11140110	140-110	126	45	34	0.50
PER11140125	140-125	128	45	42	0.60
PER11160090	160-90	120	53	37	0.70
PER11160110	160-110	125	50	39	0.70
PER11160125	160-125	120	54	45	0.70
PER11160140	160-140	98	44	43	0.80
PER11180090	180-90	130	59	37	1.00
PER11180110	180-110	130	60	40	1.00
PER11180125	180-125	152	62	42	1.10
PER11180140	180-140	135	51	47	1.02
PER11180160	180-160	131	60	55	1.21
PER11200110	200-140	140	60	48	1.30
PER11200160	200-160	140	60	54	1.50
PER11200180	200-180	140	60	61	1.40
PER11225140	225-140	160	65	57	1.80

Moulded concentric reducers short spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER11225160	225-160	190	65	50	2.00
PER11225180	225-180	190	65	55	2.10
PER11225200	225-200	160	71	71	1.90
PER11250160	250-160	157	55	55	2.12
PER11250180	250-180	150	62	50	2.36
PER11250200	250-200	138	60	50	2.28
PER11250225	250-225	142	50	68	2.17
PER11280180	280-180	200	85	70	3.20
PER11280200	280-200	160	72	51	2.83
PER11280225	280-225	154	72	57	2.79
PER11280250	280-250	150	71	64	2.87

Moulded reducers short spigot

- SDR11 - water PN16 / (gas 10 bar - upon request)
- d315X200 - 1000X900
- Complies to AS/NZS 4129
- PE100



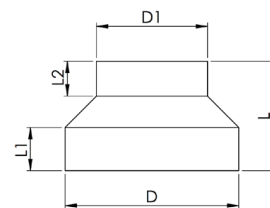
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)					
PER11315200	315-200	231	95	85	4.60
PER11315225	315-225	184	82	57	4.02
PER11315250	315-250	178	81	62	4.06
PER11315280	315-280	175	79	72	4.15
PER11355225	355-225	213	92	57	5.24
PER11355250	355-250	195	87	62	5.27
PER11355280	355-280	200	87	77	5.82
PER11355315	355-315	188	88	78	5.73
PER11400225	400-225	160	64	40	5.70
PER11400250	400-250	150	61	40	5.40
PER11400280	400-280	226	96	73	7.79
PER11400315	400-315	218	97	83	7.94
PER11400355	400-355	208	97	92	8.02
PER11450280	450-280	160	65	40	7.50
PER11450315	450-315	206	64	76	7.80
PER11450355	450-355	203	64	92	9.04
PER11450400	450-400	188	64	99	9.13
PER1150315	500-315	170	71	40	10.00
PER11500355	500-355	210	62	81	11.70
PER11500400	500-400	210	63	96	11.54
PER11500450	500-450	166	63	63	15.07
PER11560355	560-355	170	65	40	12.60
PER11560400	560-400	240	60	98	15.08

Moulded reducers short spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER11560450	560-450	187	60	65	13.24
PER11560500	560-500	192	62	61	12.34
PER11630400	630-400	190	78	40	18.20
PER11630450	630-450	234	60	68	19.57
PER11630500	630-500	192	62	61	18.12
PER11630560	630-560	188	64	65	17.34
PER11710560	710-560	160	66	40	21.64
PER11710630	710-630	160	66	62	21.40
PER11800710	800-710	160	62	62	26.14
PER11900800	900-800	160	62	62	31.50
PER111000900	1000-900	170	65	56	42.35

Moulded reducers short spigot

- SDR9 - water PN20
- d250X160 - 630X500
- Complies to AS/NZS 4129
- PE100



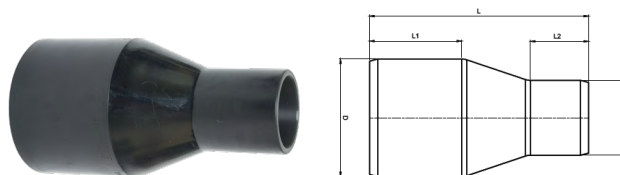
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR9 water PN 20					
PER09250160	250-160	157	55	55	2.46
PER09250180	250-180	150	62	50	2.23
PER09250200	250-200	138	60	50	2.30
PER09250225	250-225	142	50	68	2.14
PER09280200	280-200	160	72	51	3.22
PER09280225	280-225	154	72	57	3.29
PER09280250	280-250	150	71	64	3.32
PER09315225	315-225	184	82	57	4.67
PER09315250	315-250	178	81	62	4.64
PER09315280	315-280	175	79	72	5.14
PER09355250	355-250	195	87	62	6.00
PER09355280	355-280	200	87	77	6.40
PER09355315	355-315	188	88	78	6.50
PER09400280	400-280	226	96	73	8.67
PER09400315	400-315	218	97	83	8.84
PER09400355	400-355	208	97	92	9.08
PER09450315	450-315	206	64	76	9.54
PER09450355	450-355	203	64	92	9.98
PER09450400	450-400	188	64	99	10.35
PER09500355	500-355	210	62	81	12.02
PER09500450	500-450	166	63	63	11.53
PER09560400	560-400	240	60	98	17.32
PER09630500	630-500	192	62	61	19.98

Moulded reducers short spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR7.4 water PN 25					
PER074250160	250-160	157	55	55	2.80
PER074250180	250-180	150	62	50	2.62
PER074250200	250-200	138	60	50	2.75
PER074250225	250-225	142	50	68	2.54
PER074280200	280-200	160	72	51	3.07
PER074280225	280-225	154	72	57	3.52
PER074280250	280-250	150	71	64	3.82
PER074315225	315-225	184	82	57	5.43
PER074315250	315-250	178	81	62	5.55
PER074315280	315-280	175	79	72	5.90
PER074355250	355-250	195	87	62	7.04
PER074355280	355-280	200	87	77	7.60
PER074355315	355-315	188	88	78	7.60
PER074400280	400-280	226	96	73	10.19
PER074400315	400-315	218	97	83	10.96
PER074400355	400-355	208	97	92	11.17
PER074450315	450-315	206	64	76	11.19
PER074450355	450-355	203	64	92	11.75
PER074450400	450-400	188	64	99	12.30
PER074500450	500-450	166	63	63	13.56
PER074560400	560-400	240	60	98	19.00
PER074630500	630-500	192	62	61	22.86

Moulded reducers long spigot

- SDR17 - water PN10 / gas 6 bar
- d50X32 - 315X280
- Complies to AS/NZS 4129
- PE100



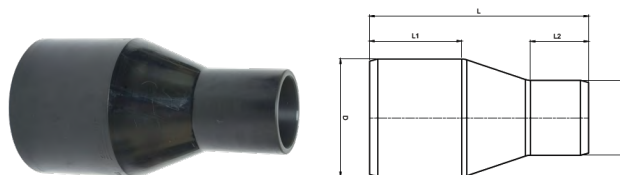
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar					
PER17050032LS	50-32	140	55	44	0.07
PER17050040LS	50-40	140	55	49	0.08
PER17063032LS	63-32	142	63	46	0.08
PER17063040LS	63-40	150	63	49	0.12
PER17063050LS	63-50	152	64	58	0.10
PER17075040LS	75-40	143	72	49	0.11
PER17075050LS	75-50	145	73	57	0.12
PER17075063LS	75-63	175	70	63	0.19
PER17090050LS	90-50	138	82	55	0.19
PER17090063LS	90-63	196	79	63	0.26
PER17090075LS	90-75	200	79	70	0.30
PER17110050LS	110-50	176	88	57	0.30
PER17110063LS	110-63	214	82	63	0.39
PER17110075LS	110-75	216	82	70	0.41
PER17110090LS	110-90	213	82	79	0.46
PER17125063LS	125-63	195	87	63	0.46
PER17125075LS	125-75	215	87	70	0.52
PER17125090LS	125-90	222	87	79	0.58
PER17125110LS	125-110	222	87	82	0.63
PER17140075LS	140-75	225	92	70	0.67
PER17140090LS	140-90	225	92	79	0.67
PER17140110LS	140-110	233	92	82	0.78
PER17140125LS	140-125	225	92	87	0.79
PER17160090LS	160-90	245	98	79	0.94
PER17160110LS	160-110	250	98	82	0.97
PER17160125LS	160-125	250	98	87	1.08
PER17160140LS	160-140	245	98	92	1.09

Moulded reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER17180063LS	180-63	226	107	68	0.96
PER17180090LS	180-90	244	105	80	1.04
PER17180110LS	180-110	255	105	82	1.25
PER17180125LS	180-125	255	105	87	1.32
PER17180140LS	180-140	250	105	92	1.37
PER17180160LS	180-160	255	105	98	1.49
PER17200090LS	200-90	253	116	83	1.30
PER17200110LS	200-110	275	112	82	1.71
PER17200140LS	200-140	275	112	92	1.76
PER17200160LS	200-160	270	112	98	1.86
PER17200180LS	200-180	275	112	105	2.02
PER17225200LS	225-200	300	120	112	2.75
PER17250160LS	250-160	294	129	98	2.82
PER17250180LS	250-180	305	129	105	3.25
PER17250200LS	250-200	310	129	112	3.45
PER17250225LS	250-225	305	129	120	3.56
PER17280180LS	280-180	348	139	105	4.19
PER17280200LS	280-200	348	139	112	4.44
PER17280225LS	280-225	336	139	120	4.56
PER17280250LS	280-250	348	139	129	4.94
PER17315200LS	315-200	330	160	120	4.5
PER17315225LS	315-225	375	150	120	6.13
PER17315250LS	315-250	375	150	129	6.43
PER17315280LS	315-280	355	150	139	6.35

Moulded reducers long spigot

- PE100
- SDR17 - water PN10 / gas 6 bar up to 400mm
- d355X250 - 1000X800
- Complies to AS/NZS 4129



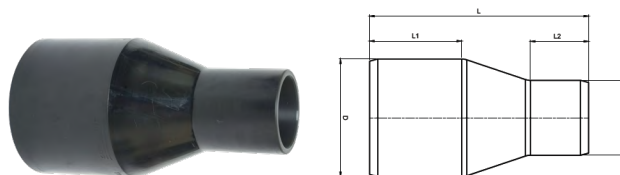
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar					
PER17355250LS	355-250	426	175	145	9.60
PER17355280LS	355-280	426	170	155	10.00
PER17355315LS	355-315	426	175	170	11.00
PER17400225LS	400-225	365	179	130	7.90
PER17400250LS	400-250	358	179	130	8.00
PER17400280LS	400-280	465	190	155	13.00
PER17400315LS	400-315	430	179	150	11.50
PER17400355LS	400-355	463	190	185	15.00
PER17450280LS	450-280	401	195	150	11.20
PER17450315LS	450-315	401	195	160	11.50
PER17450355LS	450-355	392	195	164	11.90
PER17450400LS	450-400	394	195	179	12.60
PER17500315LS	500-315	432	212	160	15.00
PER17500355LS	500-355	425	212	164	15.30
PER17500400LS	500-400	426	212	179	16.00
PER17500450LS	500-450	427	212	195	17.00
PER17560355LS	560-355	465	235	164	20.70
PER17560400LS	560-400	467	235	179	21.30
PER17560450LS	560-450	469	235	195	22.20
PER17560500LS	560-500	471	235	212	23.40
PER17630400LS	630-400	507	256	179	28.50
PER17630450LS	630-450	509	256	195	29.40
PER17630500LS	630-500	511	256	212	30.50
PER17630560LS	630-560	517	256	235	32.50
PER17710500LS	710-500	890	350	350	61.80
PER17710560LS	710-560	870	350	350	64.10
PER17710630LS	710-630	840	350	350	66.30

Moulded reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER17800500LS	800-560	900	350	350	79.60
PER17800630LS	800-630	880	350	350	82.50
PER17800710LS	800-710	850	350	350	85.40
PER17900800LS	900-800	910	400	350	116.70
PER17900710LS	900-710	940	400	350	113.10
PER17900630LS	900-630	970	400	350	110.80
PER171000710LS	1000-710	970	400	350	138.40
PER171000800LS	1000-800	940	400	350	141.20

Moulded reducers long spigot

- SDR11 - water PN16 / gas 10 bar
- d25x20 - 200x180
- Complies to AS/NZS 4129
- PE100



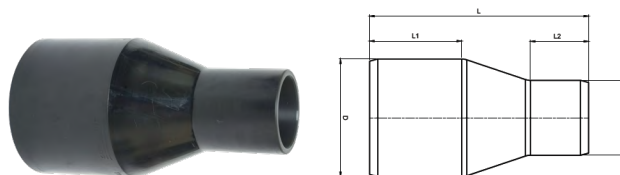
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar					
PER11025020LS	25-20	120	41	41	0.03
PER11032020LS	32-20	115	44	41	0.03
PER11032025LS	32-25	130	44	41	0.03
PER11040020LS	40-20	94	45	36	0.03
PER11040025LS	40-25	130	49	41	0.04
PER11040032LS	40-32	130	49	44	0.05
PER11050025LS	50-25	140	55	41	0.07
PER11050032LS	50-32	140	55	44	0.07
PER11050040LS	50-40	140	55	49	0.08
PER11063025LS	63-25	143	63	41	0.11
PER11063032LS	63-32	150	63	44	0.11
PER11063040LS	63-40	150	63	49	0.12
PER11063050LS	63-50	150	63	55	0.14
PER11075032LS	75-32	170	70	44	0.17
PER11075040LS	75-40	170	70	49	0.17
PER11075050LS	75-50	175	70	55	0.19
PER11075063LS	75-63	175	70	63	0.21
PER11090050LS	90-50	190	79	55	0.30
PER11090063LS	90-63	196	79	63	0.33
PER11090075LS	90-75	200	79	70	0.39
PER11110050LS	110-50	176	88	57	0.46
PER11110063LS	110-63	214	82	63	0.50
PER11110075LS	110-75	216	82	70	0.54
PER11110090LS	110-90	213	82	79	0.60
PER11125063LS	125-63	195	87	63	0.62
PER11125075LS	125-75	215	87	70	0.65
PER11125090LS	125-90	222	87	9	0.74

Moulded reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER11125110LS	125-110	222	87	82	0.86
PER11140075LS	140-75	225	92	70	0.85
PER11140090LS	140-90	225	92	79	0.84
PER11140110LS	140-110	233	92	82	1.02
PER11140125LS	140-125	225	92	87	1.12
PER11160090LS	160-90	245	98	79	1.24
PER11160110LS	160-110	250	98	82	1.31
PER11160125LS	160-125	250	98	87	1.46
PER11160140LS	160-140	245	98	92	1.45
PER11180063LS	180-63	226	107	68	1.31
PER11180090LS	180-90	245	106	79	1.50
PER11180110LS	180-110	255	105	82	1.62
PER11180125LS	180-125	255	105	87	1.67
PER11180140LS	180-140	250	105	92	1.82
PER11180160LS	180-160	255	105	98	2.08
PER11200090LS	200-90	253	116	83	1.87
PER11200110LS	200-110	275	112	82	2.16
PER11200140LS	200-140	275	112	92	2.36
PER11200160LS	200-160	270	112	98	2.38
PER11200180LS	200-180	275	112	105	2.70

Moulded reducers long spigot

- SDR11 - water PN16 / gas 10 bar up to 400mm
- d225X110 - 630X560
- Complies to AS/NZS 4129
- PE100



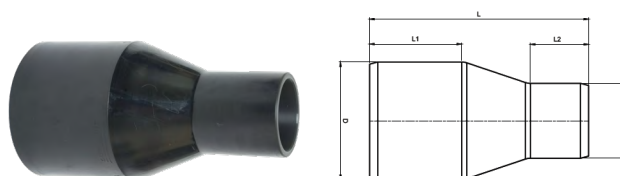
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar					
PER112250110LS	225-110	295	120	82	2.86
PER11225160LS	225-160	280	120	98	3.06
PER11225180LS	225-180	280	120	105	3.45
PER11225200LS	225-200	300	120	112	3.78
PER11250160LS	250-160	294	129	98	3.60
PER11250180LS	250-180	305	129	105	4.24
PER11250200LS	250-200	310	129	112	4.43
PER11250225LS	250-225	305	129	120	4.75
PER11280180LS	280-180	348	139	105	5.34
PER11280200LS	280-200	348	139	112	5.54
PER11280225LS	280-225	336	139	120	6.00
PER11280250LS	280-250	348	139	129	6.97
PER11315200LS	315-200	330	160	120	6.50
PER11315225LS	315-225	375	150	120	7.75
PER11315250LS	315-250	375	150	129	8.30
PER11315280LS	315-280	355	150	139	8.40
PER11355225LS	355-225	337	164	130	8.40
PER11355250LS	355-250	426	175	145	11.00
PER11355280LS	355-280	426	170	155	12.00
PER11355315LS	355-315	426	175	170	13.00
PER11400225LS	400-225	365	179	130	11.50
PER11400250LS	400-250	358	179	130	11.70
PER11400280LS	400-280	465	190	155	15.00
PER11400315LS	400-315	430	179	150	15.60
PER11400355LS	400-355	463	190	185	17.00
PER11450280LS	450-280	401	195	150	16.30
PER11450315LS	450-315	401	195	160	16.90

Moulded reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER11450355LS	450-355	392	195	164	17.40
PER11450400LS	450-400	394	195	179	18.60
PER11500315LS	500-315	432	212	160	21.90
PER11500355LS	500-355	425	212	164	22.40
PER11500400LS	500-400	426	212	179	23.50
PER11500450LS	500-450	427	212	195	25.10
PER11560355LS	560-355	465	235	164	30.10
PER11560400LS	560-400	467	235	179	31.10
PER11560450LS	560-450	469	235	195	32.60
PER11560500LS	560-500	471	235	212	34.50
PER11630400LS	630-400	507	256	179	41.70
PER11630450LS	630-450	509	256	195	43.00
PER11630500LS	630-500	511	256	212	44.70
PER11630560LS	630-560	517	256	235	47.70

Moulded reducers long spigot

- SDR9 - water PN20
- d63X40 - 225X200
- Complies to AS/NZS 4129
- PE100



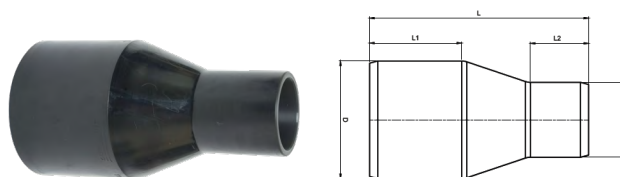
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR9 water PN 20					
PER09063040LS	63-40	128	65	52	0.14
PER09063050LS	63-50	136	66	57	0.17
PER09075032LS	75-32	142	73	46	0.21
PER09075040LS	75-40	143	72	49	0.22
PER09075050LS	75-50	145	73	57	0.23
PER09075063LS	75-63	141	73	65	0.27
PER09090050LS	90-50	138	82	55	0.36
PER09090063LS	90-63	163	82	66	0.39
PER09090075LS	90-75	167	83	73	0.44

Moulded reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER09110050LS	110-50	176	88	57	0.46
PER09110063LS	110-63	178	89	67	0.49
PER09110075LS	110-75	178	88	73	0.53
PER09110090LS	110-90	186	88	82	0.58
PER09125063LS	125-63	181	90	66	0.65
PER09125075LS	125-75	187	91	73	0.68
PER09125090LS	125-90	189	91	81	0.72
PER09125110LS	125-110	191	90	90	0.80
PER09140090LS	140-90	204	95	81	0.92
PER09140110LS	140-110	203	95	91	1.00
PER09140125LS	140-125	198	96	93	1.07
PER09160090LS	160-90	226	106	83	1.27
PER09160110LS	160-110	226	106	92	1.36
PER09160125LS	160-125	216	105	93	1.39
PER09160140LS	160-140	204	100	93	1.48
PER09180125LS	180-125	240	110	90	1.75
PER09180140LS	180-140	218	106	94	1.78
PER09180160LS	180-160	220	105	105	1.93
PER09200140LS	200-140	234	111	95	2.24
PER09200160LS	200-160	241	117	100	2.47
PER09200180LS	200-180	234	114	106	2.58
PER09225160LS	225-160	258	115	104	3.13
PER09225180LS	225-180	271	122	118	3.50
PER09225200LS	225-200	257	118	116	3.56

Moulded reducers long spigot

- SDR7.4 - water PN25
- d40X25 - 225X200
- Complies to AS/NZS 4129
- PE100



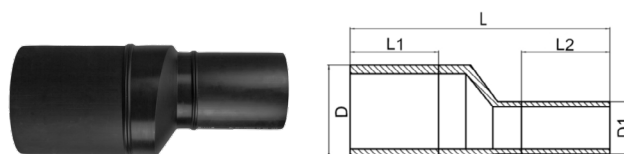
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR7.4 water PN 25					
PER074040025LS	40-25	102	50	44	0.06
PER074040032LS	40-32	102	50	44	0.06
PER074050025LS	50-25	114	56	44	0.08
PER074050032LS	50-32	115	56	48	0.08
PER074050040LS	50-40	110	54	50	0.09
PER074063025LS	63-25	127	64	44	0.13
PER074063032LS	63-32	127	66	49	0.14
PER074063040LS	63-40	128	65	52	0.14
PER074063050LS	63-50	136	66	57	0.17
PER074075032LS	75-32	142	73	46	0.21
PER074075040LS	75-40	143	72	49	0.22
PER074075050LS	75-50	145	73	57	0.23
PER074075063LS	75-63	141	73	65	0.27
PER074090050LS	90-50	138	82	55	0.36
PER074090063LS	90-63	163	82	66	0.39
PER074090075LS	90-75	167	83	73	0.44
PER074110050LS	110-50	176	88	57	0.57
PER074110063LS	110-63	178	89	67	0.75
PER074110075LS	110-75	178	88	73	0.65
PER074110090LS	110-90	186	88	82	0.71
PER074125063LS	125-63	181	90	66	0.79
PER074125075LS	125-75	187	91	73	0.82
PER074125090LS	125-90	189	91	81	0.90
PER074125110LS	125-110	191	90	90	1.00
PER074140090LS	140-90	204	95	81	1.15
PER074140110LS	140-110	203	95	91	1.27
PER074140125LS	140-125	198	96	93	1.44

Moulded reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PER074160090LS	160-90	226	106	83	1.72
PER074160110LS	160-110	226	106	92	1.84
PER074160125LS	160-125	216	105	93	1.74
PER074160140LS	160-140	204	100	93	1.85
PER074180125LS	180-125	240	110	90	2.27
PER074180140LS	180-140	218	106	94	2.26
PER074180160LS	180-160	220	105	105	2.46
PER074200140LS	200-140	234	111	95	2.79
PER074200160LS	200-160	241	117	100	3.00
PER074200180LS	200-180	234	114	106	3.71
PER074225160LS	225-160	258	115	104	3.95
PER074225180LS	225-180	271	122	118	4.22
PER074225200LS	225-200	257	118	116	4.35

Moulded eccentric reducers long spigot

- SDR17 - water PN10
- d160X90 - 1000X900
- Complies to AS/NZS 4129
- PE100



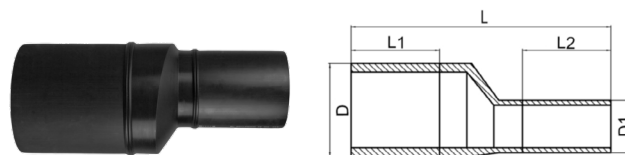
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR17 water PN 10					
PEER17160090LS	160-90	440	150	150	1.40
PEER171160110LS	160-110	420	150	150	1.40
PEER17160125LS	160-125	410	150	150	1.50
PEER17160140LS	160-140	400	150	150	1.60
PEER17180110LS	180-110	440	150	150	1.80
PEER17180125LS	180-125	430	150	150	1.90
PEER17180140LS	180-140	420	150	150	2.00
PEER17180160LS	180-160	400	150	150	2.00
PEER17200125LS	200-125	454	150	150	2.30
PEER17200140LS	200-140	430	150	150	2.30
PEER17200160LS	200-160	420	150	150	2.50
PEER17200180LS	200-180	400	150	150	2.50
PEER17225140LS	225-140	460	150	150	3.00
PEER17225160LS	225-160	440	150	150	3.10
PEER17225180LS	225-180	420	150	150	3.10
PEER17225200LS	225-200	410	150	150	3.30
PEER17250160LS	250-160	570	250	150	4.90
PEER17250180LS	250-180	550	250	150	5.00
PEER17250200LS	250-200	530	250	150	5.00
PEER17250220LS	250-225	510	250	150	5.20
PEER17280180LS	280-180	580	250	150	6.40
PEER17280200LS	280-200	560	250	150	6.40
PEER17280225LS	280-225	540	250	150	6.50
PEER17280250LS	280-250	620	250	250	7.60
PEER17315200LS	315-200	640	300	150	9.00
PEER17315225LS	315-225	620	300	150	9.10
PEER17315250LS	315-250	700	300	250	10.20

Moulded eccentric reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PEER17315280LS	315-280	680	300	250	10.70
PEER17355225LS	355-225	660	300	150	11.90
PEER17355250LS	355-250	740	300	250	13.00
PEER17355280LS	355-280	700	300	250	13.20
PEER17355315LS	355-315	730	300	300	14.40
PEER17400250LS	400-250	781	300	250	16.60
PEER17400280LS	400-280	750	300	250	16.70
PEER17400280LS	400-315	770	300	300	17.90
PEER17400355LS	400-355	740	300	300	18.60
PEER17450280LS	450-280	801	300	250	21.70
PEER17450315LS	450-315	821	300	300	22.80
PEER17450355LS	450-355	790	300	300	23.40
PEER17450400LS	450-400	750	300	300	23.90
PEER17500280LS	500-280	861	300	250	28.60
PEER17500315LS	500-315	911	350	300	30.40
PEER17500355LS	500-355	880	350	300	31.00
PEER17500400LS	500-400	850	350	300	31.70
PEER17500450LS	500-450	810	350	300	32.50
PEER17560400LS	560-400	901	350	300	40.10
PEER17560450LS	560-450	860	350	300	40.60
PEER17560500LS	560-500	870	350	350	43.30
PEER17630450LS	630-450	921	350	300	52.10
PEER17630500LS	630-500	931	350	350	54.50
PEER17630560LS	630-560	880	350	350	55.30
PEER17710560LS	710-560	941	350	350	70.00
PEER17710630LS	710-630	880	350	350	70.20
PEER17800630LS	800-630	971	350	350	92.10
PEER17800710LS	800-710	890	350	350	90.20
PEER17900710LS	900-710	1031	400	350	124.60
PEER17900800LS	900-800	960	400	350	124.20
PEER17100800LS	1000-800	1051	400	350	159.60
PEER171000900LS	1000-900	1020	400	350	163.50

Moulded eccentric reducers long spigot

- SDR11 - water PN16
- d160X90 - 630X560
- Complies to AS/NZS 4129
- PE100



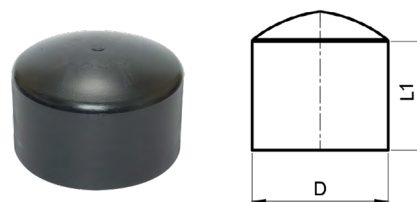
Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PE100 SDR11 water PN 16					
PEER11160090LS	160-90	440	150	150	2.10
PEER11160110LS	160-110	420	150	150	2.10
PEER11160125LS	160-125	410	150	150	2.30
PEER11160140LS	160-140	400	150	150	2.40
PEER11180110LS	180-110	440	150	150	2.70
PEER11180125LS	180-125	430	150	150	2.80
PEER11180140LS	180-140	420	150	150	2.90
PEER11180160LS	180-160	400	150	150	3.10
PEER11200125LS	200-125	454	150	150	3.50
PEER11200140LS	200-140	430	150	150	3.50
PEER11200160LS	200-160	420	150	150	3.70
PEER11200180LS	200-180	400	150	150	3.80
PEER11225140LS	225-140	460	150	150	4.50
PEER11225160LS	225-160	440	150	150	4.60
PEER11225180LS	225-180	420	150	150	4.70
PEER11225200LS	225-200	410	250	150	4.90
PEER11250160LS	250-160	570	250	150	7.40
PEER11250180LS	250-180	550	250	150	7.50
PEER11250200LS	250-200	530	250	150	7.60
PEER11250220LS	250-225	510	250	150	7.80
PEER11280180LS	280-180	580	250	150	9.50
PEER11280200LS	280-200	560	250	150	9.60
PEER11280225LS	280-225	540	250	150	9.70
PEER11280250LS	280-250	620	250	250	11.60
PEER11315200LS	315-200	640	300	150	13.60
PEER11315225LS	315-225	620	300	150	13.70
PEER11315250LS	315-250	700	300	250	15.40

Moulded eccentric reducers long spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	L2 mm	Weight kg
PEER11315280LS	315-280	680	300	250	16.10
PEER11355225LS	355-225	660	300	150	17.80
PEER11355250LS	355-250	740	300	250	19.50
PEER11355280LS	355-280	700	300	250	19.60
PEER11355315LS	355-315	730	300	300	21.80
PEER11400250LS	400-250	781	300	250	25.00
PEER11400280LS	400-280	750	300	250	25.10
PEER11400280LS	400-315	770	300	300	26.90
PEER11400355LS	400-355	740	300	300	28.10
PEER11450280LS	450-280	801	300	250	32.60
PEER11450315LS	450-315	821	300	300	34.20
PEER14503551LS	450-355	790	300	300	35.20
PEER11450400LS	450-400	750	300	300	36.10
PEER11500280LS	500-280	861	300	250	42.70
PEER11500315LS	500-315	911	350	300	45.60
PEER11500355LS	500-355	880	350	300	46.50
PEER11500400LS	500-400	850	350	300	47.80
PEER11500450LS	500-450	810	350	300	49.00
PEER11560400LS	560-400	901	350	300	60.10
PEER11560450LS	560-450	860	350	300	60.90
PEER11560500LS	560-500	870	350	350	65.10
PEER11630450LS	630-450	921	350	300	78.20
PEER11630500LS	630-500	931	350	350	82.00
PEER11630560LS	630-560	880	350	350	83.30

Moulded end cap long spigot

- SDR17 - water PN10
- d50 - 1200
- Complies to AS/NZS 4129
- PE100

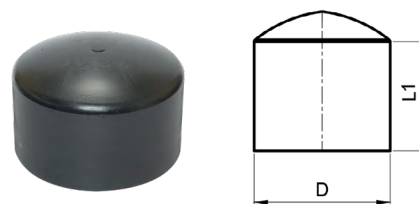


Iplex product code	Fitting size mm	L mm	Weight kg
PE100 SDR17 water PN 10 gas 6 bar			
PEC17050LS	50	55	0.03
PEC17063LS	63	63	0.08
PEC17075LS	75	70	0.12
PEC17090LS	90	79	0.17
PEC17110LS	110	82	0.26
PEC17125LS	125	87	0.43
PEC17140LS	140	92	0.64
PEC17160LS	160	98	0.82
PEC17180LS	180	105	1.11
PEC17200LS	200	112	1.51
PEC17225LS	225	120	2.06
PEC17250LS	250	129	2.60
PEC17280LS	280	139	3.73
PEC17315LS	315	150	5.02
PEC17355LS	355	164	7.61
PEC17400LS	400	179	10.35
PEC17450LS	*450	300	21.10
PEC17500LS	*500	350	29.00
PEC17560LS	*560	350	38.50
PEC17630LS	*630	350	52.30
PEC17710LS	*710	350	70.00
PEC17800LS	*800	350	95.80
PEC17900LS	*900	400	136.80
PEC171000LS	*1000	400	179.70
PEC171200LS	*1200	400	261.10

*Extended with PE pipe.

Moulded end cap long spigot

- SDR11 - water PN16
- Complies to AS/NZS 4129
- PE100

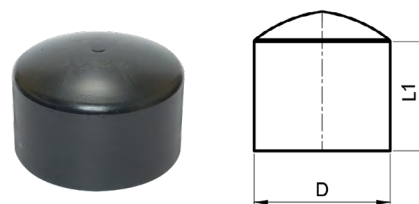


Iplex product code	Fitting Size mm	L mm	Weight kg
PE100 SDR11 water PN 16 gas 10 bar			
PEC11020LS	20	41	0.01
PEC11025LS	25	41	0.01
PEC11032LS	32	44	0.02
PEC11040LS	40	49	0.04
PEC11050LS	50	55	0.05
PEC11063LS	63	63	0.09
PEC11075LS	75	70	0.14
PEC11090LS	90	79	0.23
PEC11110LS	110	82	0.35
PEC11125LS	125	87	0.55
PEC11140LS	140	92	0.76
PEC11160LS	160	98	1.04
PEC11180LS	180	105	1.40
PEC11200LS	200	112	1.89
PEC11225LS	225	120	2.60
PEC11250LS	250	129	3.29
PEC11280LS	280	139	4.63
PEC11315LS	315	150	6.12
PEC11355LS	355	164	8.98
PEC11400LS	400	179	12.59
PEC11450LS	*450	300	27.20
PEC11500LS	*500	350	38.50
PEC11560LS	*560	350	50.50
PEC11630LS	*630	350	64.90

*Extended with PE pipe.

Moulded end cap long spigot

- SDR9 - water PN20
- SDR7.4 - water PN25
- d25 - 315
- Complies to AS/NZS 4129
- PE100



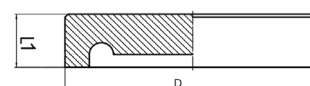
Iplex product code	Fitting size mm	L mm	Weight kg
PE100 SDR9 water PN 20			
PEC09063LS	63	71	0.13
PEC09075LS	75	78	0.19
PEC09090LS	90	81	0.29
PEC09110LS	110	93	0.50
PEC09125LS	125	89	0.64
PEC09140LS	140	104	0.92
PEC09160LS	160	117	1.44
PEC09180LS	180	103	1.69
PEC09200LS	200	132	2.51
PEC09225LS	225	118	2.95
PEC09250LS	250	117	3.70
PEC09280LS	280	136	4.14
PEC09315LS	315	156	4.42
PE100 SDR7.4 water PN 25			
PEC074025LS	25	49	0.03
PEC074032LS	32	51	0.03
PEC074040LS	40	61	0.04
PEC074050LS	50	58	0.08
PEC074063LS	63	71	0.14
PEC074075LS	75	78	0.20
PEC074090LS	90	81	0.30
PEC074110LS	110	93	0.53
PEC074125LS	125	89	0.67
PEC074140LS	140	104	0.97
PEC074160LS	160	117	1.52

Moulded end cap long spigot continued

Iplex product code	Fitting size mm	L mm	Weight kg
PEC074180LS	180	103	1.78
PEC074200LS	200	132	2.64
PEC074225LS	225	118	3.10
PEC074250LS	250	117	3.89
PEC074280LS	280	136	4.36
PEC074315LS	315	156	4.65

Moulded end cap short spigot

- SDR17 - water PN10 / (gas 6 bar - upon request)
- SDR11 - water PN16 / (gas 10 bar - upon request)
- SDR9 - water PN20
- SDR7.4 - water PN25
- d250 - 1200
- Complies to AS/NZS 4129
- PE100



Iplex product code	Fitting size mm	L mm	L1 mm	Weight kg
PE100 SDR17 water PN 10 (gas 6 bar - upon request)				
PEC17250	250	50	20	1.66
PEC17280	280	65	20	2.80
PEC17315	315	70	20	3.90
PEC17355	355	75	20	5.40
PEC17400	400	80	20	7.40
PEC17450	450	90	20	10.90
PEC17500	500	95	20	14.30
PEC17560	560	105	20	20.10
PEC17630	630	125	30	28.90
PEC17710	710	135	30	40.30
PEC17800	800	150	30	58.20
PEC17900	900	165	30	82.40
PEC171000	1000	180	30	112.40
PEC171200	1200	205	92	164.40

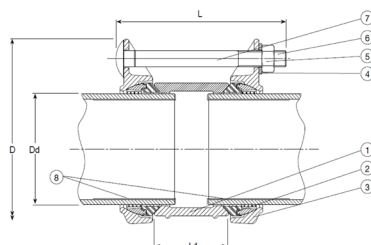
Moulded end cap short spigot continued

Iplex product code	Fitting size mm	L mm	L1 mm	Weight kg
PE100 SDR11 water PN 16 (gas 10 bar - upon request)				
PEC11250	250	55	20	2.65
PEC11280	280	70	20	3.20
PEC11315	315	75	20	4.40
PEC11355	355	85	20	6.50
PEC11400	400	90	20	8.80
PEC11450	450	100	20	12.60
PEC11500	500	110	20	17.30
PEC11560	560	120	20	24.00
PEC11630	630	140	30	34.10
PEC11710	710	155	30	48.80
PEC11800	800	170	30	68.90
PE100 SDR9 water PN 20				
PEC09355	355	90	20	7.07
PEC09400	400	100	20	10.14
PEC09450	450	110	20	14.26
PEC09500	500	-	-	19.82
PEC09560	560	-	-	-
PEC09630	630	-	-	-
PE100 SDR7.4 water PN 25				
PEC074355	355	100	20	8.16
PEC074400	400	110	20	11.53
PEC074450	450	120	20	16.03
PEC074500	500	-	-	22.02
PEC074560	560	-	-	-
PEC074630	630	-	-	-

10.0 Valves and couplings

10.1 AVK Supa Plus® coupling

- Designed to AS/NZS 4129
- Coating to AS/NZS 4158
- Water PN16
- EPDM gasket
- Suit PE-PE only
- May require stiffeners (as per below)
- d90-315



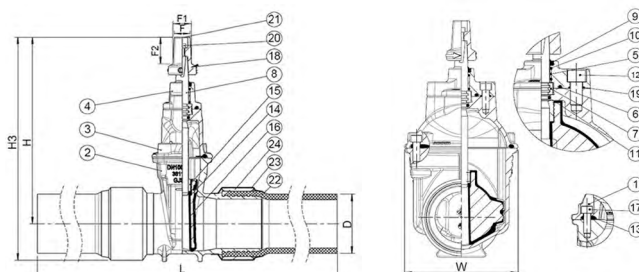
Component list

1. Body	Ductile iron	5. Nut	Stainless steel A4
2. Combined gasket	Bronze RG5 / EPDM	6. Cap	Plastic
3. Bracket	Ductile iron	7. Square bolt	Stainless steel A4
4. Washer	Stainless steel A4	8. Support bushing	Stainless steel 316

Iplex product code	Fitting size (PE) mm	Nominal size mm	L mm	L1 mm	D mm	PN mm	Weight kg
C32621.90PE	90	80	70	160	200	PN16	6
C32621.110PE	110	100	78	175	220	PN16	6
C32621.125PE	125	125	78	175	240	PN16	9
C32621.140PE	140	125	88	185	254	PN16	9.5
C32621.160PE	160	150	88	185	276	PN16	11
C32621.180PE	180	150	110	245	286	PN16	15
C32621.200PE	200	200	110	210	318	PN16	13
C32621.225PE	225	200	110	260	342	PN16	19
C32621.250PE	250	250	110	260	374	PN16	26
C32621.280PE	280	250	110	260	390	PN16	30
C32621.315PE	315	300	168	320	440	PN16	36

10.2 AVK poly tailed gate valves resilient seated

- Designed to AS/NZS 2638.2
- Connection certified to AS/NZS 4129
- Seat: 1.1 x PN (in bar), Body: 2x PN (in bar).
- Standards Mark approved to AS/NZS 4129
- Suit PE-PE only
- Full bore
- d90-315
- Supplied as anti-clockwise opening
- Clock-wise opening can be ordered on request



Component list

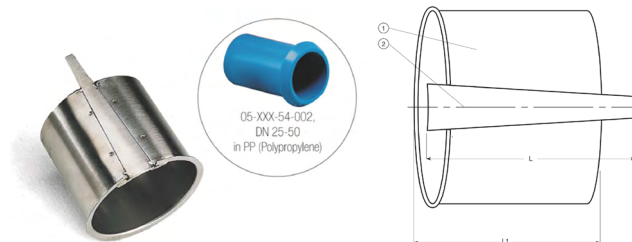
1. Hot melt	Hot melt glue	13. Bonnet gasket	EPDM rubber
2. Body	Ductile iron GJS-500-7 (GGG-50)	14. Wedge core	Ductile iron GJS-500-7
3. Bonnet	Ductile iron GJS-500-7 (GGG-50)	15. Wedge rubber	Brass, DZR CW602N
4. Gland flange	Stainless steel 1.4408	16. Wedge rubber	EPDM rubber
5. Bushing	PA 6.6	17. Bolt, socket head	Stainless steel A4-70
6. O-ring	NBR rubber	18. Stem cap	Ductile iron GJS-500-7
7. Thrust collar	Brass, DZR CW602N	19. O-ring	NBR rubber
8. Stem	Stainless steel 1.4057 (431)	20. Bolt, socket head	Stainless steel A4-70
9. Wiper ring	NBR rubber	21. Insert	Plastic
10. O-ring	NBR rubber	22. Pipe	PE100
11. O-ring	NBR rubber	23. Shrink hose	Plastic
12. Bolt	Stainless steel A4-70	24. Sleeve	Carbon steel



Iplex product code	Fitting size (PE) mm	Nominal size mm	L mm	W mm	H mm	H3 mm	F mm	F1 mm	F2 mm	PN mm	Weight kg
C5271.90PE	90	80	888	174	324	382	28.5	33.5	50	PN16	13
C5271.110PE	110	100	741	195	347	417	28.5	33.5	50	PN16	18
C5271.125PE	125	125	1091	222	391	476	28.5	33.5	50	PN16	24
C5271.140PE	140	125	875	222	391	476	28.5	33.5	50	PN16	27
C5271.160PE	160	150	1060	275	429	528	28.5	33.5	50	PN16	40
C5271.180PE	180	150	1057	275	429	537	28.5	33.5	50	PN16	38
C5271.200PE	200	200	1077	335	561	686	27.8	33.5	57	PN16	66
C5271.225PE	225	200	1077	335	561	695	27.8	33.5	57	PN16	74
C5271.250PE	250	250	1350	422	656	808	27.8	33.5	57	PN16	101
C5271.280PE	280	250	1350	422	656	817	27.8	33.5	57	PN16	123
C5271.315PE	315	300	1316	452	739	930	27.8	33.5	57	PN16	172

10.3 AVK support bush, wedge type

- Used to reinforce PE pipe wall when using AVK couplings
- Suitable for polyethylene pipes only
- Corrosion resistance by pickling and passivation
- Standard sizes are SDR11, SDR13.6 and SDR17
- d50-400



Component list

1. Bush

Stainless steel 304

2. Wedge

Stainless steel 304

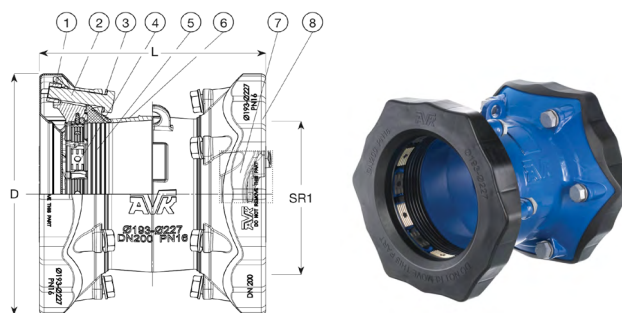
Iplex product code	Fitting size (PE) mm	Nominal size mm	L mm	L1 mm	SDR mm	Weight kg
C05011017	110	100	230	150	17	0.8
C05011011	110	100	230	150	11	0.3
C050110136	110	100	230	150	13.6	0.8
C05012517	125	125	230	150	17	1
C05012511	125	125	230	150	11	0.3
C050125136	125	125	230	150	13.6	1
C05014017	140	125	230	150	17	1.1
C05014011	140	125	230	150	11	0.3

AVK support bush, wedge type continued

Iplex product code	Fitting size (PE) mm	Nominal size mm	L mm	L1 mm	SDR mm	Weight kg
C050140136	140	125	230	150	13.6	1.1
C05016017	160	150	325	200	17	1.3
C05016011	160	150	325	200	11	0.3
C050160136	160	150	325	200	13.6	1.3
C05018017	180	175	325	200	17	1.4
C05018011	180	175	325	200	11	0.3
C050180136	180	175	325	200	13.6	1.4
C05020017	200	200	325	200	17	1.4
C05020011	200	200	325	200	11	0.3
C050200136	200	200	325	200	13.6	1.4
C05020017	225	225	350	200	17	1.9
C05020011	225	225	350	200	11	0.3
C050225136	225	225	350	200	13.6	2
C05025011	250	250	350	200	11	0.3
C050250136	250	250	350	200	13.6	2.4
C05028017	280	275	375	200	17	2.7
C05028011	280	275	350	200	11	0.3
C050280136	280	275	375	200	13.6	3
C05031517	315	300	375	200	17	3.5
C05031511	315	300	375	200	11	0.3
C050315136	315	300	375	200	13.6	3.4
C05035517	355	350	400	200	17	4
C05035511	355	350	375	200	11	3.8
C050355136	400	400	400	200	17	4.5
C05040011	400	400	400	200	11	4.3
C050400136	400	400	400	200	13.6	4.5
C05040017	450	450	400	200	17	3
C05050017	500	500	400	200	17	5.3
C05050011	500	500	400	200	11	5.1
C05063017	630	600	400	200	17	5.8
C05063011	630	600	400	200	11	5.5

10.4 AVK Supa Maxi® couplings

- Patented design
- Designed to EN 14525
- Gasket EPDM
- All DN's are for PN 16 (stainless steel, AC, Bi-PVC, and CFW GRP pipes max. PN 10)
- Suit PE-PE only
- May require stiffeners (as per below)
- d48-71x800-842 designed for PN16 (Tested to KIWA according to EN 14525)



Component list

1. Nut	Stainless steel A4	5. Gasket	EPDM rubber
2. Bolt	Stainless steel A4	6. Body	Ductile Iron
3. Washer	Stainless steel A4	7. Bracket	Cast steel
4. Grip segment	St steel/bronze CC491K	8. Protection cap	PE

Iplex product code	Fitting size range mm	Nominal size mm	L mm	D mm	PN mm	Weight kg	Bolts mm
C32625. 4871	48 - 71	50	255	200	PN16	6	3 X M14 X 75MM
C32625. 6991	69 - 91	65	265	226	PN16	7	3 X M16 X 75MM
C32625. 82106	82 - 106	80	268	235	PN16	7.5	3 X M16 X 75MM
C32625. 104133	104 - 133	100	289	268	PN16	11	4 X M16 X 75MM
C32625. 132159	132 - 159	125	277	285	PN16	13	4 X M16 X 80MM
C32625. 159188	159 - 188	150	314	340	PN16	16	6 X M20 X 100MM
C32625. 193227	193 - 227	200	354	389	PN16	25	6 X M20 X 100MM
C32625. 224257	224 - 257	225	390	437	PN16	30	6 X M20 X 100MM
C32625. 266301	266 - 301	250	381	476	PN16	35	6 X M20 X 100MM
C32625. 314356	314 - 356	300	438	545	PN16	45	8 X M20 X 110MM
C32625. 352396	352 - 396	350	513	612	PN16	114	9 X M24 X 120MM
C32625. 3922442	392 - 442	400	526	661	PN16	107	10 X M24 X 120MM
C32625. 448510	448 - 510	450	767	740	PN16	177	10 X M24 X 120MM
C32625. 498552	498 - 552	500	769	772	PN16	201	12 X M24 X 120MM
C32625. 604652	604 - 652	600	767	872	PN16	241	18 X M24 X 130MM

AVK Supa Maxi® couplings continued

Iplex product code	Fitting size range mm	Nominal size mm	L mm	D mm	PN mm	Weight kg	Bolts mm
C32625. 700745	700 - 745 (1)	700	745	991	PN16	396	18 X M24 X 130MM
C32625. 800842M	800 - 842 (2)	800	740	1100	PN16	454	20 X M24 X 150MM
C32625. 800842P	800 - 842 (3)	800	740	1100	PN16	454	20 X M24 X 150MM

(1) PN16 only for non-tensile.

(2) PN16 only for non-tensile / For metallic and AC pipes .

(3) PN16 only for non-tensile / For plastic pipes.



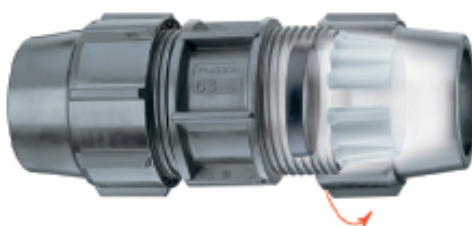
METRIC COMPRESSION 16MM-63MM INSTALL GUIDE **PLASSON**® AUSTRALIA

1.



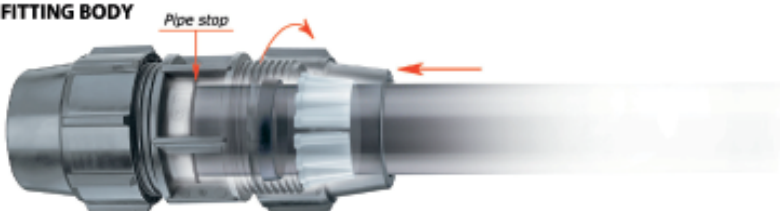
CUT PIPE SQUARE, CHAMFER END OF PIPE AND APPLY SILICON-BASED LUBRICANT TO MAKE INSTALL EASIER AND AVOID POTENTIAL DAMAGE TO THE CAPTIVE O-RINGS

2.



BACK THE NUTS OFF SEVERAL TURNS BUT DO NOT REMOVE THE NUT FROM THE FITTING BODY

3.



INSERT PIPE INTO FITTING WITH A TWISTING MOTION PAST THE GRIP RING AND O-RING UNTIL IT HITS THE END STOP

4.

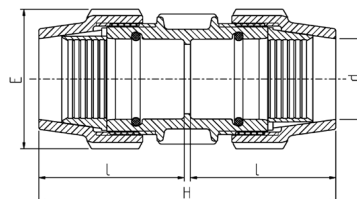


FOR 16-32MM HAND-TIGHTEN AND FOR 40-63MM HAND-TIGHTEN AND USE WRENCHES TO DO UP A FURTHER HALF TURN

11.0 Plasson compression fittings

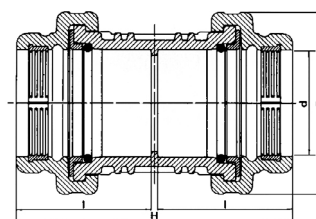
11.1 Metric couplings

- Polypropylene body
- Water PN16
- d16 - 125



Iplex product code	Size d x d mm	E mm	H mm	I mm	Bag qty.	Ctn Qty.	Weight kg	PN water
M4116	16 x 16	39	105	50	10	400	0.05	16
M4120	20 x 20	48	122	59	10	200	0.09	16
M4125	25 x 25	54	126	61	10	180	0.12	16
M4132	32 x 32	64	145	71	5	100	0.18	16
M4140	40 x 40	82	177	87	1	75	0.31	16
M4150	50 x 50	96	201	98	1	45	0.46	16
M4163	63 x 63	113	230	113	1	30	0.74	16
M4175	75 x 75	134	278	138	1	16	1.18	16
M4190	90 x 90	154	335	165	1	10	1.90	16
M41110	110 x 110	181	393	194	1	5	3.13	16
M41125	125 x 125	212	460	225	1	3	5.35	10

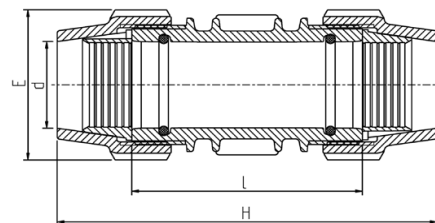
- Polypropylene body
- Water PN16
- d160



Iplex product code	Size d x d mm	E mm	H mm	I mm	Bag qty	Ctn. Qty	W kg	PN water
M41160	160 x 160	280	418	204	1	2	8.89	10

11.2 Metric slip repair couplings

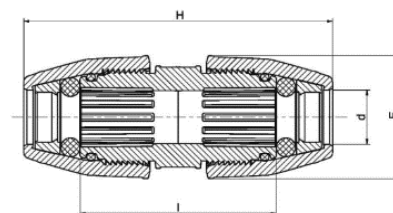
- Polypropylene Body
- Water PN16
- d20 - 125



Iplex product code	Size d x d mm	E mm	H mm	L mm	Bag qty.	Ctn qty.	Weight kg	PN water
M4220	20 x 20	48	122	78	10	240	0.14	16
M4225	25 x 25	54	136	90	10	150	0.12	16
M4232	32 x 32	64	174	120	5	80	0.20	16
M4240	40 x 40	82	215	148	1	55	0.36	16
M4250	50 x 50	96	244	158	1	30	0.54	16
M4263	63 x 63	113	270	170	1	24	0.84	16
M4275	75 x 75	134	278	139	1	16	1.18	16
M4290	90 x 90	154	335	168	1	10	1.85	16
M42110	110 x 110	181	393	197	1	5	3.10	16
M42125	125 x 125	212	460	265	1	3	5.32	16

11.3 Universal slip repair couplings

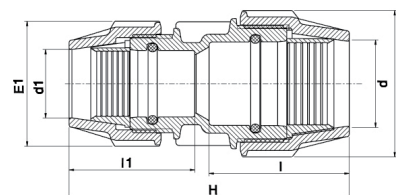
- Polypropylene body
- Water PN16
- d14x18 - 60-64
- Able to join materials other than PE



Iplex product code	Size d x d mm	E mm	H mm	I mm	Bag qty.	Ctn qty.	Weight kg	PN water
M361418	14-18	54	180	119	1	120	0.22	16
M361922	19-22	58	180	119	1	90	0.25	16
M362428	24-28	66	200	133	1	56	0.35	16
M363135	31-35	76	210	143	1	40	0.467	16
M364043	40-43	89	250	151	1	30	0.72	16
M364851	48-51	101	270	158	1	20	.97	16
M366064	60-64	120	310	176	1	10	1.52	16

11.4 Metric reducing couplings

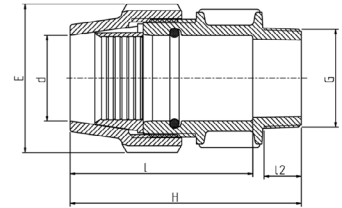
- Polypropylene body
- Water PN16
- d20x16 - 110x90



Iplex product code	Size d x d mm	E mm	E1 mm	H mm	I mm	l1 mm	Bag qty.	Ctn qty.	Weight kg	PN water
M512016	20 x 16	48	39	111	57	50	10	300	0.07	16
M512516	25 x 16	54	39	113	58	50	10	220	0.09	16
M512520	25 x 20	54	48	119	58	57	10	200	0.10	16
M513220	32 x 20	64	48	140	67	57	5	150	0.14	16
M513225	32 x 25	64	54	133	67	58	5	120	0.14	16
M514025	40 x 25	82	54	156	84	58	1	90	0.22	16
M514032	40 x 32	82	64	156	84	67	1	90	0.25	16
M515025	50 x 25	96	54	176	93	58	1	70	0.31	16
M515032	50 x 32	96	64	175	98	62	1	70	0.33	16
M515040	50 x 40	96	82	184	93	84	1	60	0.38	16
M516325	63 x 25	113	54	193	110	58	1	50	0.46	16
M516332	63 x 32	113	64	197	110	62	1	45	0.49	16
M516340	63 x 40	113	82	208	110	82	1	40	0.55	16
M516350	63 x 50	113	96	214	110	93	1	36	0.57	16
M517550	75 x 50	134	96	245	132	98	1	22	0.85	16
M517563	75 x 63	134	113	252	132	112	1	20	0.96	16
M519063	90 x 63	154	113	292	170	115	1	14	1.42	16
M519075	90 x 75	154	134	330	170	134	1	12	1.61	16
M5111063	110 x 63	181	181	393	194	131	1	5	3.70	16
M5111090	110 x 90	181	154	378	194	162	1	6	2.64	16

11.5 Metric male adaptors

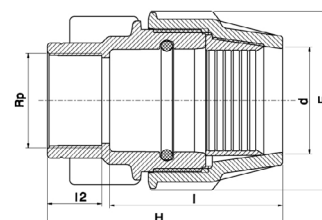
- Polypropylene body
- Water PN16
- d16x1/2" - 110x4"



Iplex product code	Size d x d mm	E mm	H mm	I mm	I2 mm	Bag qty.	Ctn qty.	Weight kg	PN water
M211615	16 x 1/2"	39	79	59	16	10	500	0.04	16
M211620	16 x 3/4"	39	79	59	17	10	500	0.04	16
M212015	20 x 1/2"	48	92	71	17	10	350	0.06	16
M212020	20 x 3/4"	48	92	71	18	10	350	0.06	16
M212025	20 x 1"	48	86	52	20	10	300	0.07	16
M212520	25 x 3/4"	54	95	72	20	10	250	0.08	16
M212525	25 x 1"	54	97	82	20	10	250	0.08	16
M213220	32 x 3/4"	64	106	83	19	5	150	0.11	16
M213225	32 x 1"	64	107	83	20	5	150	0.12	16
M213232	32 x 1 1/4"	64	110	83	22	5	140	0.11	16
M214025	40 x 1"	82	118	91	20	1	110	0.18	16
M214032	40 x 1 1/4"	82	117	90	24	1	110	0.19	16
M214040	40 x 1 1/2"	82	117	90	22	1	100	0.19	16
M215032	50 x 1 1/4"	96	136	106	20	1	75	0.27	16
M215040	50 x 1 1/2"	96	96	109	22	1	70	0.27	16
M215050	50 x 2"	96	140	108	26	1	70	0.28	16
M216332	63 x 1 1/4"	113	154	123	22	1	48	0.44	16
M216340	63 x 1 1/2"	113	154	123	22	1	48	0.45	16
M216350	63 x 2"	113	167	123	26	1	48	0.46	16
M217550	75 x 2"	132	188	150	26	1	28	0.71	16
M217563	75 x 2 1/2"	132	191	150	29	1	28	0.71	16
M219050	90 x 2"	152	227	170	33	1	16	1.13	16
M219075	90 x 3"	152	232	170	33	1	16	1.13	6.3
M2190100	90 x 4"	152	232	170	40	1	12	1.22	6.3
M2111075	110 x 3"	181	256	213	34	1	8	1.85	6.3
M21110100	110 x 4"	181	265	213	42	1	8	1.88	6.3

11.6 Metric female adaptors

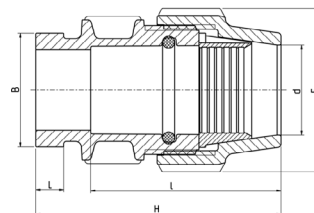
- Polypropylene body
- Water PN16
- d16x1/2" - 110x4"



Iplex product code	Size d x d mm	E mm	H mm	I mm	l2 mm	Bag qty.	Ctn qty.	Weight kg	PN water
M311615	16 x 1/2"	39	73	52	19	10	500	0.04	16
M311620	16 x 3/4"	39	75	53	19	10	500	0.04	16
M312015	20 x 1/2"	48	82	60	19	10	350	0.06	16
M312020	20 x 3/4"	48	82	60	19	10	350	0.06	16
M312025	20 x 1"	48	92	57	21	10	300	0.07	16
M31520	25 x 3/4"	54	88	63	21	10	250	0.08	16
M312525	25 x 1"	54	88	63	21	10	250	0.08	16
M313220	32 x 3/4"	64	94	73	19	5	150	0.11	16
M313225	32 x 1"	64	94	69	21	5	150	0.12	16
M313232	32 x 1 1/4"	64	96	67	25	5	140	0.14	16
M314025	40 x 1"	82	112	84	21	1	110	0.18	16
M314032	40 x 1 1/4"	82	114	84	25	1	110	0.20	16
M314040	40 x 1 1/2"	82	114	84	25	1	100	0.23	16
M315032	50 x 1 1/4"	96	123	93	25	1	75	0.28	16
M315040	50 x 1 1/2"	96	123	93	25	1	70	0.28	16
M31050	50 x 2"	96	128	93	30	1	70	0.29	16
M316332	63 x 1 1/4"	113	139	110	25	1	48	0.42	16
M316340	63 x 1 1/2"	113	139	110	25	1	48	0.44	16
M316350	63 x 2"	113	148	110	30	1	48	0.44	16
M317550	75 x 2"	132	175	132	30	1	28	0.66	16
M317563	75 x 2 1/2"	132	170	132	33	1	28	0.68	16
M319050	90 x 2"	154	213	183	30	1	16	1.14	16
M319075	90 x 3"	154	223	183	40	1	16	1.20	6.3
M319090	90 x 4"	154	243	183	52	1	12	1.44	6.3
M3111075	110 x 3"	181	261	213	40	1	8	1.92	6.3
M31110100	110 x 4"	181	271	213	50	1	8	2.05	6.3

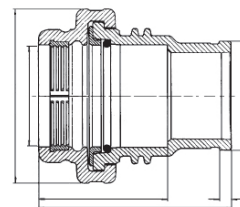
11.7 Compression shouldered adaptors

- Polypropylene body
- Water PN16
- d50x50 - 110x4"



Iplex product code	Size d x d mm	E mm	H mm	I mm	L mm	B mm	Bag qty.	Ctn qty.	Weight kg
M2550	50 x 50 (2")	96	138	109	16	67	1	65	0.29
M2563	63 x 50 (2")	113	156	123	16	67	1	45	0.44
M2590	90 x 100 (4")	154	231	170	16	123	1	16	1.21
M25110	110 x 100 (4")	181	255	213	16	123	1	8	1.87

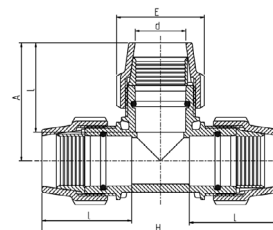
- Polypropylene body
- Water PN10
- d160 x 150 (6")



Iplex product code	Size d x d mm	E mm	H mm	I mm	L mm	B mm	Bag qty.	Ctn qty.	W kg	PN water
New	160 x 150 (6")	280	304	204	18	175	1	4	5.17	10

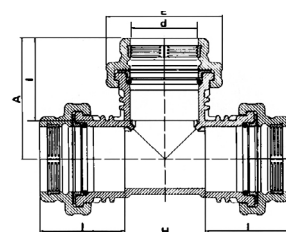
11.8 Metric 90d tees equal

- Polypropylene body
- Water PN16
- d16 - 110



Iplex product code	Size d x d mm	E mm	H mm	I mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
M6116	16 x 16 x 16	39	126	50	63	10	220	0.08	16
M6120	20 x 20 x 20	48	145	56	73	10	120	0.14	16
M6125	25 x 25 x 25	54	156	58	78	5	100	0.17	16
M6132	32 x 32 x 32	64	185	67	93	5	60	0.29	16
M6140	40 x 40 x 40	82	221	86	111	1	40	0.50	16
M6150	50 x 50 x 50	96	252	95	126	1	25	0.74	16
M6163	63 x 63 x 63	113	294	110	146	1	16	1.22	16
M6175	75 x 75 x 75	132	353	132	177	1	8	1.89	16
M6190	90 x 90 x 90	154	439	165	220	1	5	3.16	16
M61110	110 x 110 x 110	181	583	194	292	1	2	5.58	16

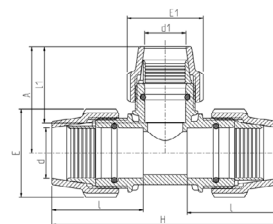
- Polypropylene Body
- Water PN16
- d160



Iplex product code	Size d x d mm	E mm	H mm	I mm	Bag qty.	Ctn qty.	Weight kg	PN water
M61160	160 x 160	280	601	204	1	1	14.74	10

11.9 Metric 90d reducing tees

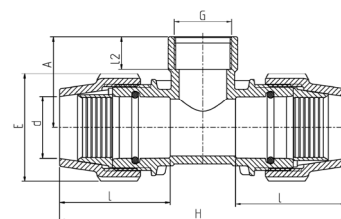
- Polypropylene body
- Water PN16
- d20x16x20 - 110x63x110



Iplex product code	Size d x d mm	E mm	E1 mm	H mm	I mm	I1 mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
M812016	20 x 16 x 20	48	39	137	57	50	70	10	150	0.13	16
M812520	25 x 20 x 25	54	48	150	58	57	74	5	100	0.17	16
M813225	32 x 25 x 32	64	54	173	67	58	63	5	70	0.26	16
M814025	40 x 25 x 40	82	54	205	84	58	84	1	45	0.41	16
M814032	40 x 32 x 40	82	64	207	82	67	97	1	40	0.43	16
M815025	50 x 25 x 50	96	54	228	93	76	105	1	30	0.55	16
M815032	50 x 32 x 50	96	64	230	93	67	117	1	30	0.59	16
M815040	50 x 40 x 50	96	82	236	93	82	114	1	30	0.65	16
M816332	63 x 32 x 63	113	64	268	113	62	118	1	20	0.89	16
M816340	63 x 40 x 63	113	82	268	113	84	139	1	20	0.96	16
M816550	63 x 50 x 63	113	96	275	110	93	132	1	18	1.02	16
M817563	75 x 63 x 75	132	113	353	132	109	153	1	10	1.67	16
M8111063	110 x 63 x 110	181	181	583	194	131	292	1	2	6.13	16

11.10 Metric tees 90d with threaded female offtakes

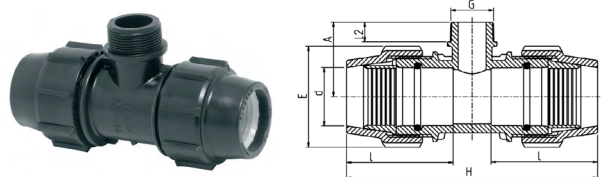
- Polypropylene body
- Water PN16
- d20x1/2"x20 - 110x4"x110



Iplex product code	Size d x d mm	E mm	H mm	I mm	L2 mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
M711615	16 x 1/2" x 16	39	122	50	17	42	10	240	0.07	16
M711620	16 x 3/4" x 16	39	122	50	19	41	10	240	0.07	16
M712015	20 x 1/2" x 20	48	144	56	18	42	10	180	0.10	16
M712020	20 x 3/4" x 20	48	144	56	19	45	10	180	0.11	16
M712515	25 x 1/2" x 25	54	151	58	18	45	5	140	0.13	16
M712520	25 x 3/4" x 25	54	151	58	19	48	5	140	0.14	16
M712525	25 x 1" x 25	54	158	58	21	53	5	100	0.14	16
M712532	25 x 1 1/4" x 25	54	158	58	25	64	5	80	0.19	16
M713220	32 x 3/4" x 32	64	177	67	19	51	5	80	0.21	16
M713225	32 x 1" x 32	64	177	67	21	54	5	80	0.21	16
M713232	32 x 1 1/4" x 32	64	182	67	25	65	5	60	0.25	16
M713240	32 x 1 1/2" x 32	64	182	67	25	71	5	60	0.27	16
M714025	40 x 1" x 40	82	203	84	21	61	1	60	0.36	16
M714032	40 x 1 1/4" x 40	82	217	84	24	70	1	55	0.40	16
M714040	40 x 1 1/2" x 40	82	217	84	25	70	1	50	0.41	16
M714050	40 x 2" x 40	82	217	84	30	78	1	45	0.44	16
M715040	50 x 1 1/2" x 50	96	244	93	25	76	1	36	0.58	16
M715050	50 x 2" x 50	96	244	93	30	80	1	30	0.59	16
M716332	63 x 1 1/4" x 63	113	268	113	27	95	1	20	0.89	16
M716340	63 x 1 1/2" x 63	113	268	113	27	95	1	20	0.90	16
M716350	63 x 2" x 63	113	272	110	30	95	1	20	0.90	16
M717550	75 x 2" x 75	134	359	132	30	110	1	10	1.46	16
M717563	75 x 2 1/2" x 75	134	331	129	35	85	1	10	1.50	16
M717575	75 x 3" x 75	134	359	132	36	110	1	10	1.55	6.3
M719075	90 x 3" x 90	154	419	165	40	116	1	7	2.35	6.3
M71110100	110 x 4" x 110	181	511	198	50	140	1	4	3.96	6.3

Metric tees 90d with threaded male offtakes

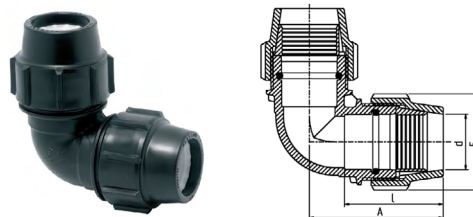
- Polypropylene body
- Water PN16
- d20x1/2"x20 - 63x2"x63



Iplex product code	Size d x d mm	E mm	H mm	I mm	I2 mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
M1022015	20 x 1/2" x 20	48	138	56	17	46	10	180	0.11	16
M1022020	20 x 3/4" x 20	48	144	56	18	46	10	180	0.11	16
M1022515	25 x 1/2" x 25	54	146	58	17	48	5	140	0.13	16
M1022520	25 x 3/4" x 25	54	146	58	18	50	5	140	0.14	16
M1023225	32 x 1" x 32	64	170	67	20	58	5	80	0.22	16
M1024032	40 x 1 1/4" x 40	82	205	84	22	71	1	50	0.37	16
M1024040	40 x 1 1/2" x 40	82	205	84	22	71	1	50	0.38	16
M1025032	50 x 1 1/4" x 50	96	230	93	22	77	1	36	0.51	16
M1025040	50 x 1 1/2" x 50	96	230	93	22	77	1	36	0.52	16
M1025050	50 x 2" x 50	96	230	93	26	82	1	36	0.52	16
M1026332	63 x 1 1/4" x 63	113	268	113	22	79	1	20	0.82	16
M1026340	63 x 1 1/2" x 63	113	268	113	22	83	1	20	0.83	16
M1026350	63 x 2" x 63	113	272	110	26	92	1	20	0.88	16

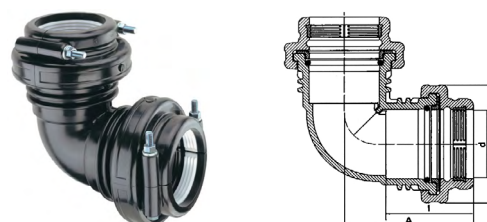
11.11 Metric 90d elbows

- Polypropylene body
- Water PN16
- d16 - 110



Iplex product code	Size d x d mm	E mm	I mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
M9116	16 x 16	39	50	63	10	350	0.06	16
M9120	20 x 20	48	56	73	10	200	0.10	16
M9125	25 x 25	54	58	79	10	150	0.12	16
M9132	32 x 32	64	67	93	5	100	0.19	16
M9140	40 x 40	82	82	108	1	60	0.34	16
M9150	50 x 50	96	93	127	1	35	0.50	16
M9163	63 x 63	113	110	151	1	24	0.84	16
M9175	75 x 75	134	132	178	1	12	1.30	16
M9190	90 x 90	154	162	217	1	8	2.17	16
M91110	110 x 110	181	194	292	1	4	3.81	16

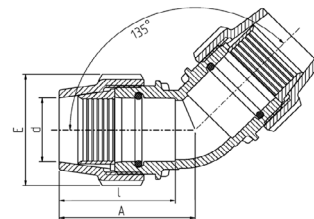
- Polypropylene body
- Water PN16
- d160



Iplex product code	Size d x d mm	E mm	A mm	I mm	Bag qty.	Ctn qty.	Weight kg	PN water
M91160	160 x 160	280	301	204	1	2	10.08	10

11.12 Metric 45d elbows

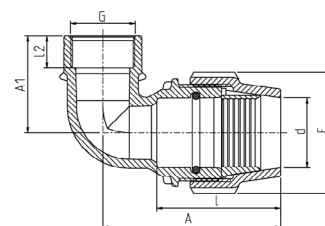
- Polypropylene body
- Water PN16
- d32 - 110



Iplex product code	Size d x d mm	E mm	I mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
M9332	32 x 32	64	67	92	1	100	0.19	16
M9340	40 x 40	82	84	99	1	60	0.33	16
M9350	50 x 50	96	93	110	1	40	0.48	16
M9363	63 x 63	113	110	130	1	24	0.77	16
M9375	75 x 75	134	132	153	1	12	1.21	16
M9390	90 x 90	154	165	195	1	8	2.06	16
M93110	110 x 110	181	194	235	1	5	3.42	16

11.13 Metric 90d elbows with threaded female offtakes

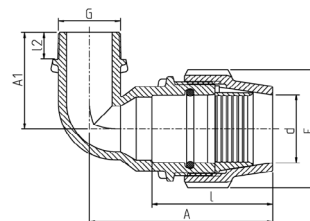
- Polypropylene body
- Water PN16
- d16 - 110



Iplex product code	Size d x d mm	E mm	I mm	L2 mm	A mm	A1 mm	Bag qty.	Ctn qty.	Weight kg	PN water
M1011615	16 x 1/2"	39	50	19	66	39	10	500	0.04	16
M1012015	20 x 1/2"	48	54	19	78	40	10	350	0.06	16
M1012020	20 x 3/4"	48	57	19	78	44	10	300	0.07	16
M1012515	25 x 1/2"	54	58	18	81	46	10	250	0.09	16
M1012520	25 x 3/4"	54	58	19	81	46	10	250	0.08	16
M1012525	25 x 1"	54	58	21	83	50	10	220	0.09	16
M1013220	32 x 3/4"	64	67	18	95	54	5	150	0.14	16
M1013225	32 x 1"	64	67	21	95	54	5	150	0.14	16
M1013232	32 x 1 1/4"	64	67	25	99	60	5	120	0.17	16
M1014025	40 x 1"	82	84	21	119	52	1	100	0.20	16
M1014032	40 x 1 1/4"	82	84	25	119	62	1	90	0.25	16
M1014040	40 x 1 1/2"	82	84	25	119	62	1	80	0.26	16
M1014050	40 x 2"	82	84	30	119	75	1	65	0.29	16
M1015025	50 x 1"	96	93	21	133	57	1	70	0.28	16
M1015032	50 x 1 1/4"	96	93	25	133	67	1	60	0.31	16
M1015040	50 x 1 1/2"	96	93	25	135	66	1	60	0.34	16
M1015050	50 x 2"	96	93	30	138	85	1	45	0.39	16
M1016332	63 x 1 1/4"	113	110	25	162	65	1	35	0.49	16
M1016340	63 x 1 1/2"	113	110	25	162	69	1	35	0.50	16
M1016350	63 x 2"	113	110	30	160	90	1	35	0.56	16
M1017550	75 x 2"	134	132	30	188	100	1	24	0.81	16
M1017563	75 x 2 1/2"	134	132	36	191	105	1	20	0.92	16
M1017575	75 x 3"	134	132	36	191	105	1	20	0.96	6.3

11.14 Metric 90d elbows with threaded male offtakes

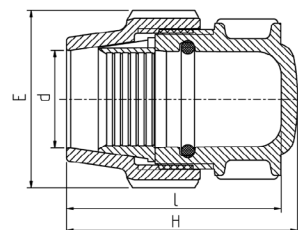
- Polypropylene body
- Water PN16
- d16 - 110



Iplex product code	Size d x d mm	E mm	I mm	L2 mm	A mm	A1 mm	Bag qty.	Ctn qty.	Weight kg	PN water
M1032015	20 x 1/2"	48	57	17	74	41	10	350	0.06	16
M1032020	20 x 3/4"	48	57	18	76	43	10	300	0.07	16
M1032515	25 x 1/2"	54	58	17	85	47	10	240	0.07	16
M1032520	25 x 3/4"	54	58	18	90	48	10	250	0.08	16
M1032525	25 x 1"	54	58	20	90	54	10	240	0.08	16
M1033220	32 x 3/4"	64	67	18	104	55	5	140	0.12	16
M1033225	32 x 1"	64	67	20	104	55	5	140	0.13	16
M1033232	32 x 1 1/4"	64	67	22	104	58	5	140	0.14	16
M1034025	40 x 1"	82	84	20	124	60	1	90	0.20	16
M1034032	40 x 1 1/4"	82	84	22	124	66	1	90	0.21	16
M1034040	40 x 1 1/2"	82	84	22	124	66	1	80	0.22	16
M1035025	50 x 1"	96	93	20	140	71	1	55	0.29	16
M1035032	50 x 1 1/4"	96	93	22	144	74	1	55	0.34	16
M1035040	50 x 1 1/2"	96	93	22	144	74	1	55	0.32	16
M1035050	50 x 2"	96	93	26	144	76	1	55	0.37	16
M1036332	63 x 1 1/4"	113	110	22	168	76	1	35	0.37	16
M1036340	63 x 1 1/2"	113	110	22	168	76	1	35	0.47	16
M1036350	63 x 2"	113	110	26	170	92	1	35	0.52	16
M1037563	75 x 2 1/2"	134	132	30	202	105	1	18	0.87	16
M1037575	75 x 3"	134	132	33	202	110	1	18	0.89	16
M1039075	90 x 3"	154	165	35	233	110	1	12	1.30	16
M103110100	110 x 4"	181	194	42	274	140	1	6	2.26	16

11.15 Metric end caps

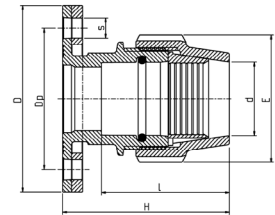
- Polypropylene body
- Water PN16
- d16 - 110



Iplex product code	Size d mm	E mm	I mm	H mm	Bag qty.	Ctn qty.	Weight kg	PN water
M1720	20	48	74	79	10	350	0.06	16
M1725	25	54	77	82	10	250	0.07	16
M1732	32	64	87	92	5	180	0.11	16
M1740	40	82	97	102	1	110	0.19	16
M1750	50	96	114	121	1	75	0.27	16
M1763	63	113	122	145	1	45	0.45	16
M1775	75	134	155	172	1	28	0.71	16
M1790	90	154	170	212	1	16	1.14	16
M17110	110	181	213	231	1	10	1.84	16

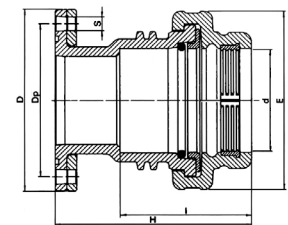
11.16 Compression flange adaptors (with metal flanges)

- Polypropylene body
- Water PN16
- d50x 1 1/2" - 125 X 5"



Iplex product code	Size d x ISO flange mm	E mm	H mm	I mm	D mm	Dp mm	S mm	No. holes	UC	Weight kg	PN water
M235040	50 x 40 (1.1/2")	96	128	93	150	110	18	4	20	1.21	16
M235050	50 x 50 (2")	96	128	93	165	125	18	4	15	1.52	16
M236350	63 x 50 (2")	113	145	110	165	125	18	4	15	1.56	16
M237565	75 x 65 (2.1/2)	134	164	152	185	145	18	4	12	2.09	16
M2390100	90 x 100 (4")	154	195	183	220	180	18	8	8	3.16	16
M23110100	110 x 100 (4")	181	235	222	220	180	18	8	8	3.32	16
M23125125	125 x 125 (5")	212	270	250	250	210	22	8	4	5.55	12.5
M23125150	125 x 150 (6")	212	270	250	285	240	22	8	3	7.04	12.5

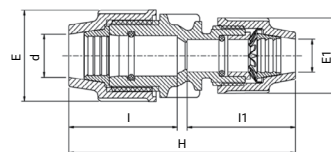
- Polypropylene body
- Water PN16
- d160



Iplex product code	Size d x d mm	E mm	H mm	I mm	D mm	Dp mm	S mm	No. Holes	UC	Weight g	PN water
M23160150	160 x 150	280	304	285	204	240	22	8	3	9151	10

11.17 Metric copper pipe adaptor

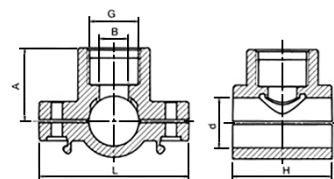
- Polypropylene body
- Water PN16
- d20x15 - 32x25



Iplex product code	Size d (PE) x d1 (Cu) mm	E mm	E1 mm	H mm	I mm	I1 mm	Bag qty.	Ctn qty.	Weight kg	PN water
M322015	20 x 15	48	48	122	59	50	1	200	0.10	16
M322515	25 x 15	54	48	119	58	57	1	150	0.09	16
M322520	25 x 20	54	54	126	61	61	1	150	0.13	16
M323225	32 x 25	54	64	133	67	58	1	120	0.20	16

11.18 Tapping saddles for metric and rural (long bolts)

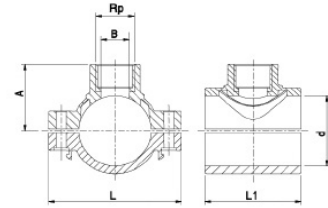
- Polypropylene body
- d20x1/2" - 50(2")x1 1/4"
- Stainless steel bolts



Iplex product code	Metric (Rural) d x Rp mm	B mm	L mm	H mm	A mm	No. of bolts	Bag qty.	Ctn qty.	Weight kg	PN water
M0762015	20 (3/4") x 1/2"	10	70	45	33	2	1	400	0.06	12.5
M0762515	25 (1") x 1/2"	15	75	50	36	2	1	300	0.07	12.5
M0762520	25 (1") x 3/4"	15	75	50	37	2	1	300	0.07	12.5
M0763215	32 (1.1/4") x 1/2"	16	92	60	40	2	1	150	0.13	12.5
M0763220	32 (1.1/4") x 3/4"	19	92	60	41	2	1	150	0.13	12.5
M0763225	32 (1.1/4") x 1"	20	92	60	42	2	1	150	0.14	12.5
M0764015	40 (1.1/2") x 1/2"	16	92	60	40	2	1	150	0.15	12.5
M0764020	40 (1.1/2") x 3/4"	19	92	60	46	2	1	150	0.14	12.5
M0764025	40 (1.1/2") x 1"	25	92	60	49	2	1	150	0.15	12.5
M0765032	50 (2") x 1.1/4"	25	106	73	58	2	1	100	0.21	12.5

11.19 Tapping saddles for metric only

- Polypropylene body
- d20 x 1/2" - 50(2") x 1 1/4"
- Stainless steel bolts



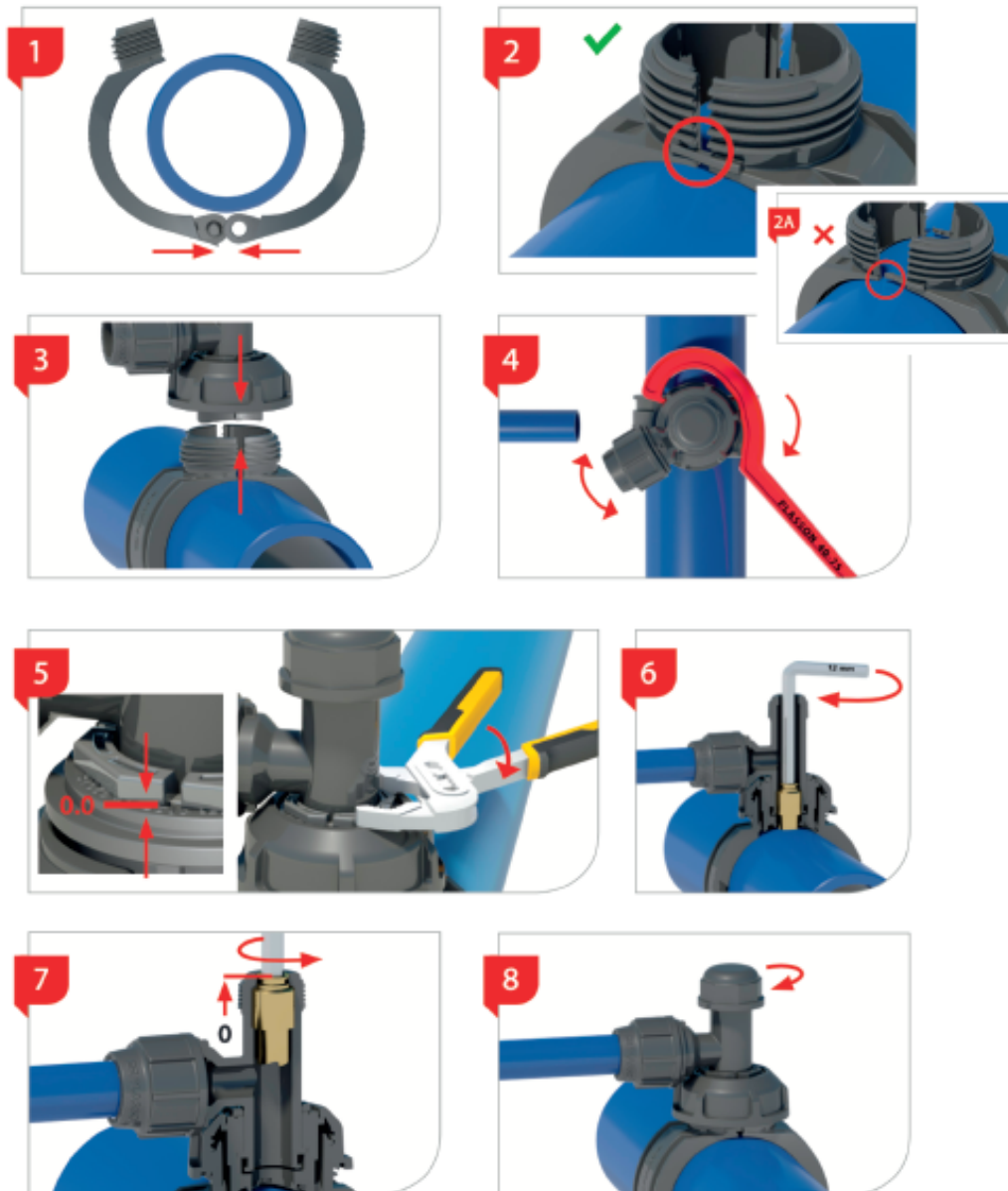
Iplex product code	Metric (Rural) d x Rp mm	B mm	L mm	H mm	A mm	No. of bolts	Bag qty.	Ctn qty.	Weight kg	PN water
M0766315	63 x 1/2"	16	116	84	58	4	1	70	0.28	16
M0766320	63 x 3/4"	20	116	84	59	4	1	70	0.28	16
M0766325	63 x 1"	25	116	84	61	4	1	70	0.29	12.5
M0766332	63 x 1.1/4"	32	116	84	66	4	1	70	0.31	12.5
M0766340	63 x 1.1/2"	39	116	84	67	4	1	60	0.32	12.5
M07615	75 x 1/2"	16	122	98	64	4	1	60	0.28	12.5
M0762020	75 x 3/4"	20	122	98	65	4	1	55	0.37	12.5
M0767525	75 x 1"	25	122	98	67	4	1	55	0.38	10
M0767532	75 x 1.1/4"	32	122	98	72	4	1	55	0.40	10
M0767540	75 x 1.1/2"	40	122	98	73	4	1	50	0.41	10
M0767550	75 x 2"	40	122	98	78	4	1	45	0.43	10
M0769015	90 x 1/2"	16	141	105	72	4	1	40	0.46	12.5
M0769020	90 x 3/4"	20	141	105	73	4	1	40	0.45	12.5
M0769025	90 x 1"	25	141	105	75	4	1	40	0.46	10
M0769032	90 x 1.1/4"	32	141	105	80	4	1	40	0.48	10
M0769040	90 x 1.1/2"	40	141	105	81	4	1	40	0.49	10
M0769050	90 x 2"	50	141	105	86	4	1	40	0.51	10
M07611015	110 x 1/2"	16	165	116	83	4	1	45	0.56	12.5
M07611020	110 x 3/4"	20	165	116	84	4	1	38	0.56	12.5
M07611025	110 x 1"	25	165	116	87	4	1	36	0.56	10
M07611032	110 x 1.1/4"	32	165	116	91	4	1	36	0.59	10
M07611040	110 x 1.1/2"	40	165	116	92	4	1	36	0.60	10
M07611050	110 x 2"	50	165	116	97	4	1	30	0.62	10
M07612520	125 x 3/4"	20	184	124	91	6	1	30	0.75	12.5
M07612525	125 x 1"	25	184	124	94	6	1	30	0.75	10
M07612532	125 x 1.1/4"	32	184	124	98	6	1	30	0.78	10
M07612540	125 x 1.1/2"	40	184	124	99	6	1	30	0.78	10
M07612550	125 x 2"	50	184	124	104	6	1	25	0.796	10

Tapping saddles for metric only continued

Iplex product code	Metric (Rural) d x Rp mm	B mm	L mm	H mm	A mm	No. of bolts	Bag qty.	Ctn qty.	Weight kg	PN water
M07614025	140 x 1"	25	201	136	101	6	1	24	0.893	10
M07614032	140 x 1.1/4"	32	201	136	106	6	1	24	0.91	10
M07614040	140 x 1.1/2"	40	201	136	107	6	1	24	0.92	10
M07614050	140 x 2"	50	201	136	112	6	1	20	0.96	10
M07616025	160 x 1"	25	223	145	112	6	1	20	1.07	10
M07616032	160 x 1.1/4"	32	223	145	117	6	1	20	1.06	10
M07616040	160 x 1.1/2"	40	223	145	118	6	1	20	1.07	10
M07616050	160 x 2"	50	223	145	123	6	1	20	1.08	10
M07618025	180 x 1"	25	245	154	122	6	1	16	1.30	10
M07618032	180 x 1.1/4"	32	245	154	127	6	1	16	1.34	10
M07618040	180 x 1.1/2"	40	245	154	128	6	1	16	1.33	10
M07618050	180 x 2"	50	245	154	133	6	1	16	1.33	10

PLASSA D DLE

compression offtake install guide



INSTALLATION AND SPECIFICATIONS 221

RURAL
COMPRESSION

THREADED
FITTINGS

METRIC
COMPRESSION

TAPPING
SADDLES

VALVES

ELECTROFUSION

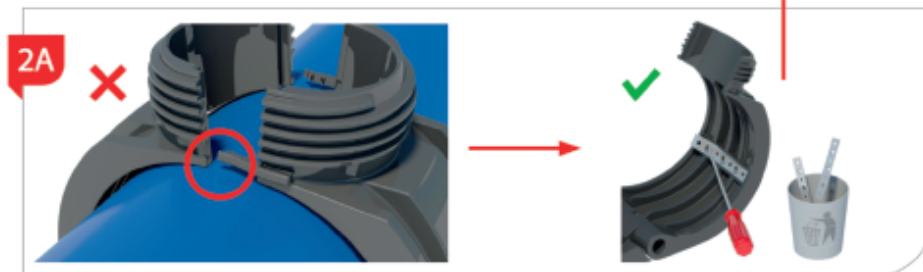
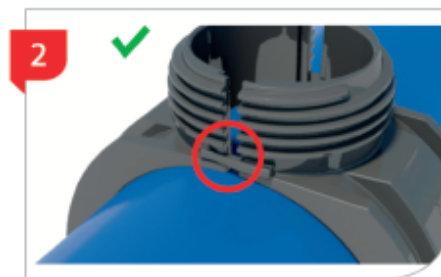
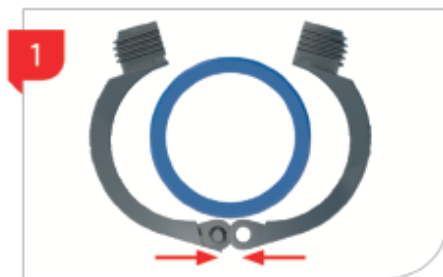
TOOLING

SIMONA
SPIGOTS

ASSEMBLY
INSTRUCTIONS

PLASSADOLE

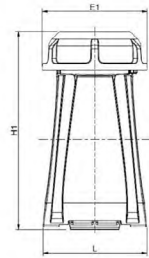
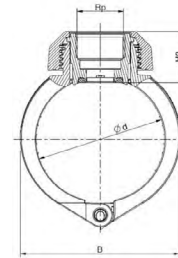
female threaded body install guide



222 INSTALLATION AND SPECIFICATIONS | NOT ALL PRODUCTS IN THE CATALOGUE ARE AVAILABLE EX-STOCK

11.20 Plassaddle for PE pipes - threaded offtake BSP

- Polypropylene body
- Water PN16
- d63x1/2" - 180x1 1/2"



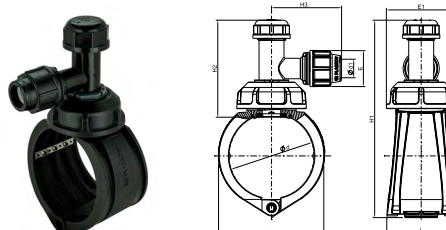
Iplex product code	Metric (Rural) d x Rp mm	B mm	L mm	E1 mm	H1 mm	H2 secs	Bag qty.	Ctn qty.	Weight kg	PN water
M1056315	63 x 1/2"	91	89	102	136	49	1	50	0.38	16
M1056320	63 x 3/4"	91	89	102	136	49	1	50	0.38	16
M1056325	63 x 1"	91	89	102	136	49	1	50	0.39	16
M1056332	63 x 1.1/4"	91	89	102	146	58	1	50	0.39	16
M1056340	63 x 1.1/2"	91	89	102	136	49	1	50	0.37	16
M1059015	90 x 1/2"	91	94	102	163	49	1	50	0.46	16
M1059020	90 x 3/4"	119	94	102	163	49	1	50	0.46	16
M1059025	90 x 1"	119	94	102	163	49	1	50	0.46	16
M1059032	90 x 1.1/4"	119	94	102	173	58	1	50	0.46	16
M1059040	90 x 1.1/2"	119	94	102	163	49	1	50	0.45	16
M10511015	110 x 1/2"	141	97	102	180	49	1	40	-	16
M10511020	110 x 3/4"	119	97	102	180	49	1	40	0.50	16
M10511025	110 x 1"	141	97	102	180	49	1	40	0.51	16
M10511032	110 x 1.1/4"	141	97	102	190	58	1	40	-	16
M10511040	110 x 1.1/2"	119	97	102	180	49	1	40	0.49	16
M10512515	125 x 1/2"	157	100	102	198	49	1	36	-	16
M10512520	125 x 3/4"	157	100	102	198	49	1	36	0.57	16
M10512525	125 x 1"	157	100	102	198	49	1	36	0.57	16
M10512532	125 x 1.1/4"	157	100	102	207	58	1	36	-	16
M10512540	125 x 1.1/2"	157	100	102	198	49	1	36	0.55	16
M10516015	160 x 1/2"	197	106	102	235	49	1	28	-	16
M10516020	160 x 3/4"	197	106	102	235	49	1	28	-	16
M10516025	160 x 1"	197	106	102	235	49	1	28	0.77	16
M10516032	160 x 1.1/4"	197	106	102	235	58	1	28	0.71	16
M1056040	160 x 1.1/2"	197	106	102	235	49	1	28	0.69	16
M10518015	180 x 1/2"	220	110	102	255	110	1	24	-	16

Plassaddle for PE pipes - threaded offtake BSP continued

Iplex product code	Metric (Rural) d x Rp mm	B mm	L mm	E1 mm	H1 mm	H2 sec	Bag qty.	Ctn qty.	Weight kg	PN water
M1058020	180 x 3/4"	220	110	102	255	110	1	24	0.81	16
M10518025	180 x 1"	220	110	102	255	110	1	24	0.02	16
M10518032	180 x 1.1/4"	220	110	102	264	110	1	24	0.02	16
M10518040	180 x 1.1/2"	220	110	102	255	110	1	24	0.80	16

11.21 Tapping saddles for metric plassaddle threaded offtake

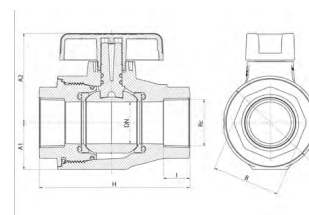
- Polypropylene body
- Water PN16
- d63 x 1/2" - 180 x 1 1/5"



Iplex product code	Metric (rural) d x Rp mm	B mm	L mm	E1 mm	H1 mm	H2 mm	H3 mm	Bag qty.	Ctn qty.	Weight kg	PN water Bar
M1066325	63 x 25	91	89	102	231	144	106	1	30	0.64	16
M1066332	63 x 32	91	89	102	231	144	111	1	30	0.68	16
M1069025	90 x 25	119	94	102	258	144	106	1	25	0.72	16
M1069032	90 x 32	119	94	102	258	144	111	1	25	0.75	16
M10611025	110 x 25	141	97	102	273	144	106	1	25	0.76	16
M10611032	110 x 32	141	97	102	273	144	111	1	25	0.80	16
M10612525	125 x 25	157	100	64	290	144	106	1	24	0.82	16
M10612532	125 x 32	157	100	64	290	144	111	1	16	0.86	16
M10616025	160 x 25	198	106	102	325	144	106	1	20	0.97	16
M10616032	160 x 32	198	106	102	325	144	111	1	20	1.00	16
M10618025	180 x 25	220	110	102	350	144	106	1	16	1.07	16
M10618025	180 x 32	220	110	102	350	144	111	1	16	1.10	16
M10620025	200 x 25	144	368	115	240	144	106	1	12	1.18	16
M10620032	200 x 32	144	368	115	240	144	111	1	12	12	16

11.22 Ball valves threaded BSP

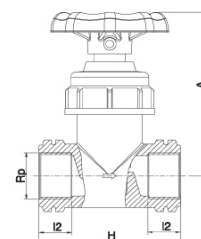
- Polypropylene body
- Water PN16
- d15 - 50



Iplex product code	Size DN x Rc mm	E mm	H mm	I mm	B mm	A1 mm	A2 mm	Bag qty.	Ctn qty.	Weight kg	PN water
PBV015	15mm (1/2")	53	97	17.5	36	27	54	1	72	0.18	16
PBV020	20mm (3/4")	53	97	17.5	36	27	54	1	72	0.18	16
PBV025	25mm (1")	64	116	20.5	46	33	64	1	72	0.31	16
PBV032	32mm (1.1/4")	73	118	20	55	36	70	1	48	0.39	16
PBV040	40mm (1.1/2")	91	144	24	65	41	87	1	30	0.71	16
PBV050*	50mm (2")	106	162	29	75	53	95	1	24	0.92	16

*Comes with lockable handle.

11.23 Threaded stop tap (seal NBR)



Iplex product code	Size RP x RP Inch	H mm	I2 mm	A mm	Bag qty.	Ctn qty.	Weight kg	PN water
340520	3/4" x 3/4"	78	18	95	5	140	0.11	16
340525	1" x 1"	82	20	95	5	120	0.13	16



RURAL COMPRESSION 1/2" - 2" INSTALL GUIDE **PLASSON**® AUSTRALIA

1.



PLACE NUTS AND GRIP RINGS ON PIPE ENDS

2.



PUSH RED BARBED INSERT INTO PIPE & FITTING

3.



SLIDE NUTS & GRIP RINGS UP TO FITTING BODY

4.

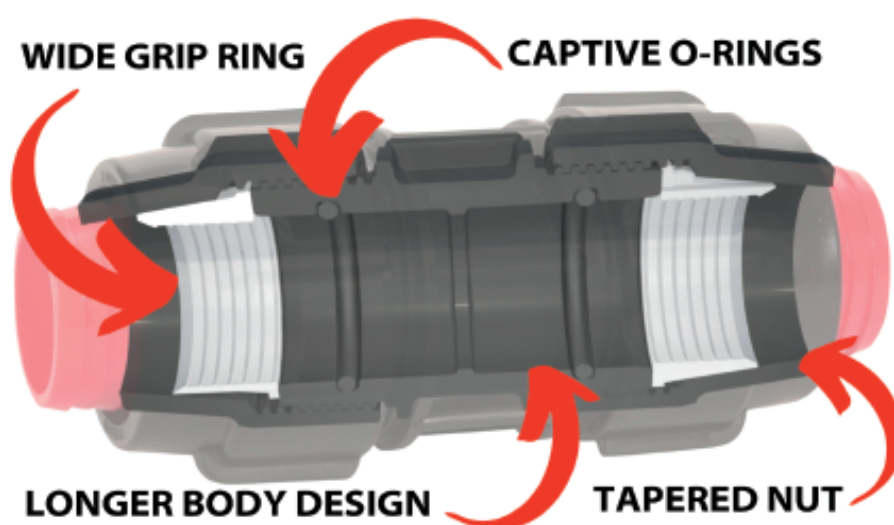


DO BOTH NUTS UP BY HAND UNTIL FIRMLY TIGHT

NOTE: USING WRENCHES MAY LEAD TO OVER-TIGHTENING WHICH CAN RESULT IN BLOW OUTS



SAVE TIME AND WATER

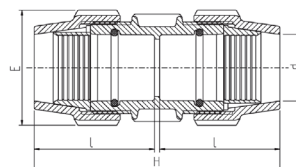


PLASSON RURAL CAPTIVE O-RINGS
SEAL WATERTIGHT
THE INSTANT THE FITTING
GOES ON THE PIPE

12.0 Rural compression fittings

12.1 Rural couplings

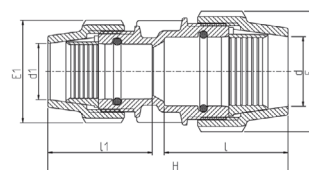
- Polypropylene body
- d1/2" - 2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	Bag qty.	Weight kg	Carton qty.
701315	1/2"	105	39	50	10	0.05	400
701320	3/4"	138	48	28	10	0.10	200
701325	1"	144	54	30	10	0.13	160
701332	1.1/4"	169	64	37	5	0.22	90
701340	1.1/2"	214	82	50	1	0.38	55
701350	2"	219	96	50	1	0.52	44

12.2 Rural reducing couplings

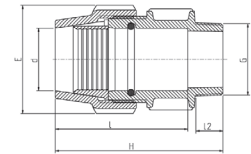
- Polypropylene body
- d3/4"x1/2" - 2"x1 1/2"



Iplex product code	Size d x d mm	H mm	E mm	E1 mm	I mm	I1 mm	Bag qty.	Weight kg	Carton qty.
71132015	3/4" x 1/2"	151	48	39	28	50	10	0.07	200
71132515	1" x 1/2"	154	54	39	30	50	10	0.10	200
71132520	1" x 3/4"	136	54	48	30	28	10	0.12	180
71133220	1.1/4" x 3/4"	159	64	48	37	28	5	0.15	150
71133225	1.1/4" x 1"	164	64	54	37	30	5	0.17	120
71134025	1.1/2" x 1"	183	82	54	50	30	1	0.26	90
71134032	1.1/2" x 1.1/4"	186	82	64	50	37	1	0.30	70
71135025	2" x 1"	194	96	54	50	30	1	0.33	45
71135032	2" x 1.1/4"	197	96	64	50	37	1	0.38	50
71135040	2" x 1.1/2"	210	96	82	50	50	1	0.44	45

12.3 Rural male threaded adaptors

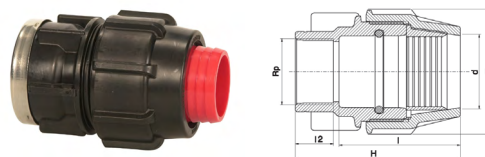
- Polypropylene body
- d3/4"x1/2" - 2"x2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	R mm	I2 mm	Bag qty.	Weight kg	Carton qty.
70232015	3/4" x 1/2"	99	48	28	1/2"	17	10	0.06	340
70232020	3/4" x 3/4"	101	48	28	3/4"	18	10	0.06	340
70232025	3/4" x 1"	101	48	28	1"	20	10	0.06	340
70232515	1" x 1/2"	103	54	30	1/2"	17	10	0.08	250
70232520	1" x 3/4"	103	54	30	3/4"	18	10	0.08	250
70232525	1" x 1"	106	54	30	1"	20	10	0.09	250
70233220	1.1/4" x 3/4"	117	64	37	3/4"	18	5	0.13	150
70233225	1.1/4" x 1"	119	64	37	1"	20	5	0.14	150
70233232	1.1/4" x 1.1/4"	121	64	37	1 1/4"	22	5	0.14	150
70233240	1.1/4" x 1.1/2"	119	64	37	1 1/2"	22	5	0.14	125
70234025	1.1/2" x 1"	136	82	50	1"	20	1	0.22	100
70234032	1.1/2" x 1.1/4"	137	82	50	1 1/4"	22	1	0.23	90
70234040	1.1/2" x 1.1/2"	138	82	50	1 1/2"	22	1	0.22	90
70234050	1.1/2" x 2"	140	82	50	2"	26	1	0.24	90
70235025	2" x 1"	142	96	50	1"	20	1	0.31	70
70235032	2" x 1.1/4"	145	96	50	1 1/4"	22	1	0.31	65
70235040	2" x 1.1/2"	145	96	50	1 1/2"	22	1	0.3	60
70235050	2" x 2"	145	96	50	2"	26	1	0.31	65

12.4 Rural female threaded adaptors

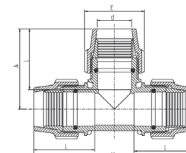
- Polypropylene body
- d3/4"x1/2" - 2"x2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	l2 mm	Bag qty.	Weight kg	Carton qty.
70331515	1/2" x 1/2	73	39	52	19	10	0.04	500
70331520	1/2" x 3/4"	75	39	53	19	10	0.04	500
70332015	3/4" x 1/2"	90	48	28	19	10	0.06	350
70332020	3/4" x 3/4"	90	48	28	19	10	0.06	350
70332025	3/4" x 1"	90	48	28	21	10	0.07	300
70332520	1" x 3/4"	97	54	30	21	10	0.09	250
70332525	1" x 1"	97	54	30	21	10	0.08	250
70333220	1.1/4" x 3/4"	106	64	37	19	5	0.12	150
70333225	1.1/4" x 1"	101	64	37	21	5	0.13	150
70333232	1.1/4" x 1.1/4"	108	64	37	25	5	0.15	150
70334025	1.1/2" x 1"	132	82	50	21	1	0.21	100
70335032	1.1/2" x 1.1/4"	137	82	50	25	1	0.24	90
70335040	1.1/2" x 1.1/2"	137	82	50	25	1	0.25	70
70335032	2" x 1.1/4"	134	96	50	25	1	0.30	70
70335040	2" x 1.1/2"	134	96	50	25	1	0.31	60
70335050	2" x 2"	138	96	50	30	1	0.32	65

12.5 Rural 90d tees equal

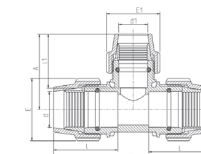
- Polypropylene body
- d1/2" - 2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	A mm	Bag qty.	Weight kg	Carton qty.
704315	1/2"	126	39	50	63	10	0.08	220
704320	3/4"	162	48	28	81	10	0.16	120
704325	1"	174	54	30	87	5	0.21	80
704332	1.1/4"	209	64	37	105	5	0.34	55
704340	1.1/2"	258	82	50	129	1	0.59	30
70430	2"	270	96	50	135	1	0.83	20

12.6 Rural 90d tees reducing

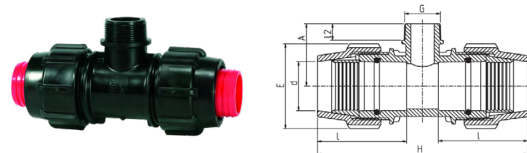
- Polypropylene body
- d3/4"x1/2" - 2"x1 1/2"



Iplex product code	Size d x d mm	H mm	E mm	E1 mm	I mm	I1 mm	A mm	Bag qty.	Weight kg	Carton qty.
73432015	3/4" x 1/2"	162	48	39	28	50	30	10	0.13	150
73432520	1" x 3/4"	168	54	48	30	28	84	5	0.20	100
73433225	1.1/4" x 1"	209	64	54	37	30	105	5	0.30	60
73433225	1.1/2" x 1"	242	82	54	50	30	127	1	0.48	40
73433240	1.1/2" x 1.1/4"	242	82	64	50	37	127	1	0.52	38
73435025	2" x 1"	246	96	54	50	30	134	1	0.62	24
73435032	2" x 1.1/4"	246	96	64	50	37	134	1	0.67	24
73435032	2" x 1.1/2"	246	96	82	50	50	134	1	0.75	25

12.7 Rural tees reducing with male threaded offtakes

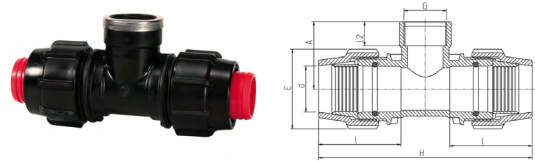
- Polypropylene body
- d3/4"x1/2" - 2"x2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	A mm	L2 mm	Bag qty.	Weight kg	Carton qty.
78432015	3/4" x 1/2"	154	48	28	46	17	10	0.11	180
78432020	3/4" x 3/4"	160	48	28	46	18	10	0.12	180
78432515	1" x 1/2"	178	54	37	48	17	5	0.14	120
78432520	1" x 3/4"	164	54	30	50	18	5	0.14	120
78433225	1.1/4" x 1"	194	64	37	58	20	5	0.24	80
78434032	1.1/2" x 1.1/4"	242	82	50	71	22	1	0.43	40
78434040	1.1/2" x 1.1/2"	242	82	50	71	22	1	0.43	40
78435032	2" x 1.1/4"	248	96	50	77	22	1	0.61	30
78435040	2" x 1.1/2"	248	96	50	77	22	1	0.58	30
78435050	2" x 2"	248	96	50	82	26	1	0.60	30

12.8 Rural tees reducing with female threaded offtakes

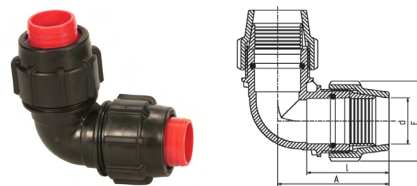
- Polypropylene body
- d1/2"x1/2" - 2"x2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	A mm	I2 mm	Bag qty.	Weight kg	Carton qty.
71431515	1/2" x 1/2"	122	39	50	42	17	10	0.07	240
71431520	1/2" x 3/4"	122	39	50	41	19	10	0.07	240
71432015	3/4" x 1/2"	160	48	28	42	18	10	0.11	200
71432020	3/4" x 3/4"	160	48	28	45	19	10	0.11	180
71432515	1" x 1/2"	169	54	30	45	18	5	0.15	120
71432520	1" x 3/4"	169	54	30	48	19	5	0.16	120
71432525	1" x 1"	176	54	30	53	21	5	0.16	80
71432532	1" x 1.1/4"	176	54	30	64	25	5	0.21	80
71433220	1.1/4" x 3/4"	201	64	37	51	19	5	0.24	80
71433225	1.1/4" x 1"	201	64	37	54	21	5	0.24	80
71433232	1.1/4" x 1.1/4"	207	64	37	65	25	5	0.28	60
71433240	1.1/4" x 1.1/2"	207	64	37	71	25	5	0.30	60
71434050	1.1/2" x 1"	240	82	50	61	21	1	0.42	44
71434032	1.1/2" x 1.1/4"	254	82	50	70	24	1	0.46	40
71434040	1.1/2" x 1.1/2"	254	82	50	70	25	1	0.47	40
71434050	1.1/2" x 2"	254	82	50	78	30	1	0.49	32
71435040	2" x 1.1/2"	262	96	50	76	25	1	0.64	28
71435050	2" x 2"	262	96	50	80	30	1	0.66	24

12.9 Rural elbows 90d

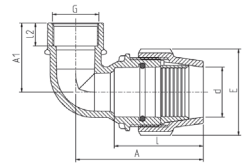
- Polypropylene body
- d1/2" - 2"



Iplex product code	Size d x d mm	E mm	I mm	A mm	Bag qty.	Weight kg	Carton qty.
705315	1/2"	39	50	63	10	0.06	350
705320	3/4"	48	28	81	10	0.11	180
705325	1"	54	30	88	10	0.14	150
705332	1.1/4"	64	37	105	5	0.23	90
705340	1.1/2"	82	50	137	1	0.40	50
705350	2"	96	50	147	1	0.57	36

12.10 Rural elbows 90d with female threaded offtake

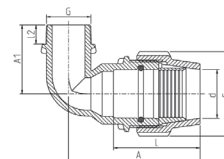
- Polypropylene body
- d1/2" - 2"



Iplex product code	Size d x d mm	E mm	I mm	A mm	A1 mm	I2 mm	Bag qty.	Weight kg	Carton qty.
71531515	1/2" x 1/2"	39	50	66	39	19	10	0.04	500
71532015	3/4" x 1/2"	48	28	86	40	19	10	0.06	300
71532020	3/4" x 3/4"	48	28	86	44	19	10	0.07	300
71532515	1" x 1/2"	54	30	90	46	18	10	0.06	200
71532520	1" x 3/4"	54	30	90	46	19	10	0.09	200
71532525	1" x 1"	54	30	90	50	21	10	0.10	200
71533220	1.1/4" x 3/4"	64	37	116	54	18	5	0.16	150
71533225	1.1/4" x 1"	64	37	116	54	21	5	0.15	150
71533232	1.1/4" x 1.1/4"	64	37	116	60	25	5	0.18	90
71534025	1.1/2" x 1"	82	50	142	52	21	1	0.23	70
71534032	1.1/2" x 1.1/4"	82	50	142	62	25	1	0.28	70
71534040	1.1/2" x 1.1/2"	82	50	142	62	25	1	0.29	60
71534050	1.1/2" x 2"	82	50	142	75	30	1	0.32	50
71535025	2" x 1"	96	50	153	57	21	1	0.31	50
71535032	2" x 1.1/4"	96	50	153	67	25	1	0.34	50
71535040	2" x 1.1/2"	96	50	153	66	25	1	0.37	50
71535050	2" x 2"	96	50	153	85	30	1	0.41	45

12.11 Rural elbows 90d with male threaded offtake

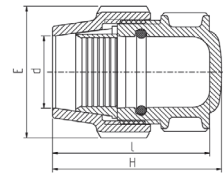
- Polypropylene body
- d1/2" - 2"



Iplex product code	Size d x d mm	E mm	I mm	A mm	A1 mm	I2 mm	Bag qty.	Weight kg	Carton qty.
78532015	3/4" x 1/2"	48	28	84	41	17	10	0.07	300
78532020	3/4" x 3/4"	48	28	84	43	18	10	0.07	300
78532515	1" x 1/2"	54	30	98	47	17	10	0.08	200
78532520	1" x 3/4"	54	30	98	48	18	10	0.09	200
78532525	1" x 1"	54	30	98	54	20	10	0.10	200
78533220	1.1/4" x 3/4"	64	37	116	55	18	5	0.01	100
78533225	1.1/4" x 1"	64	37	116	55	20	5	0.14	100
78533232	1.1/4" x 1.1/4"	64	37	116	58	22	5	0.15	100
78534025	1.1/2" x 1"	82	50	142	60	20	1	0.27	65
78534032	1.1/2" x 1.1/4"	82	50	142	66	22	1	0.24	70
78534040	1.1/2" x 1.1/2"	82	50	142	66	22	1	0.25	60
78535025	2" x 1"	96	50	153	71	20	1	0.32	50
78535032	2" x 1.1/4"	96	50	153	74	22	1	0.34	50
7853040	2" x 1.1/2"	96	50	153	74	22	1	0.35	50
78535050	2" x 2"	96	50	153	76	26	1	0.40	50

12.12 Rural end caps

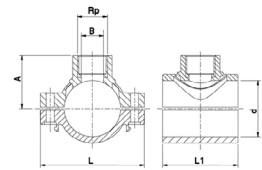
- Polypropylene body
- d1"-2"



Iplex product code	Size d x d mm	H mm	E mm	I mm	Bag qty.	Weight kg	Carton qty.
712325	1"	90	54	30	10	0.08	200
712332	1.1/4"	100	64	37	5	0.13	180
712340	1.1/2"	120	82	50	1	0.22	100
712350	2"	130	96	50	1	0.30	70

12.13 Tapping saddles rural stainless steel bolts

- Polypropylene body
- d20x1/2" - 50(2")x1 1/4"
- Stainless steel bolts

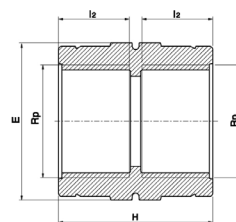


Iplex product code	Metric (Rural) d x Rp mm	B mm	L mm	H mm	A mm	No. of bolts	Bag qty.	Carton qty.	Weight kg	PN water
R0762015	20 (3/4") x 1/2"	10	70	45	33	2	1	400	0.06	12.5
R0762515	25 (1") x 1/2"	15	75	50	36	2	1	300	0.07	12.5
R0762520	25 (1") x 3/4"	15	75	50	37	2	1	300	0.07	12.5
R0763215	32 (1.1/4") x 1/2"	16	92	60	40	2	1	150	0.13	12.5
R0763220	32 (1.1/4") x 3/4"	19	92	60	41	2	1	150	0.13	12.5
R0763225	32 (1.1/4") x 1"	20	92	60	42	2	1	150	0.14	12.5
R0764015	40 (1.1/2") x 1/2"	16	92	60	-	2	1	-	-	12.5
R0764020	40 (1.1/2") x 3/4"	19	92	60	46	2	1	150	0.14	12.5
R0764025	40 (1.1/2") x 1"	25	92	60	49	2	1	150	0.15	12.5
R0765032	50 (2") x 1.1/4"	25	106	73	58	2	1	100	0.21	12.5

13.0 Threaded fittings

13.1 Threaded socket BSP

- Polypropylene body
- d1/2"-2"

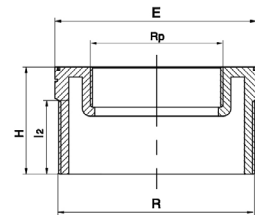


Iplex product code	Size d x d mm	H mm	l2 mm	E mm	Bag qty.	Carton qty.	Weight kg	PN water
501715	1/2"	39	17	30	10	1200	0.02	16
501720	3/4"	41	19	36	10	1000	0.02	16
501725	1"	45	21	46	10	600	0.03	16
501732*	1.1/4"	54	25	60	10	250	0.07	16
501740*	1.1/2"	54	25	65	10	240	0.08	16
501750*	2"	65	30	75	5	150	0.09	16

*Comes with St/steel reinforcement rings.

13.2 Threaded reducing bushes BSP

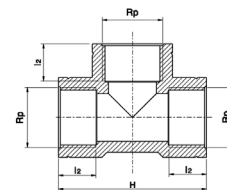
- Polypropylene body
- d3/4" - 4"x3"



Iplex product code	Size d x d mm	H mm	l2 mm	E mm	Bag qty.	Carton qty.	Weight kg	PN water
50272015	3/4" x 1/2"	30	17	27	10	2000	0.01	16
50272515	1" x 1/2"	32	19	36	10	1000	0.02	16
50272520	1" x 3/4"	32	19	36	10	1000	0.01	16
50273215	1.1/4" x 1/2"	37	21	46	10	700	0.03	16
50273220	1.1/4" x 3/4"	37	21	46	10	700	0.03	16
50273225	1.1/4" x 1"	37	21	46	10	700	0.02	16
50274015	1.1/2" x 1/2"	37	21	50	10	600	0.03	16
5027420	1.1/2" x 3/4"	37	21	50	10	600	0.03	16
50274025	1.1/2" x 1"	37	21	50	10	500	0.03	16
5027432	1.1/2" x 1.1/4"	37	21	50	10	500	0.02	10
50275015	2" x 1/2"	41	25	63	5	350	0.06	16
50275020	2" x 3/4"	41	25	63	5	350	0.06	16
5027025	2" x 1"	41	26	63	5	300	0.06	16
50275032	2" x 1.1/4"	41	26	63	5	320	0.06	10
50275040	2" x 1.1/2"	41	26	63	5	320	0.04	10
50276350	2.1/2" x 2"	44	29	80	5	200	0.08	10
50277525	3" x 1"	48	32	90	2	150	0.12	16
50277532	3" x 1.1/4"	48	32	90	2	150	0.12	10
50277540	3" x 1.1/2"	48	32	90	2	150	0.12	10
5027755	3" x 2"	48	32	90	2	100	0.10	10
50277563	3" x 2.1/2"	48	32	90	2	150	0.08	10
502710050	4" x 2"	56	41	120	2	80	0.24	10
502710075	4" x 3"	56	41	120	2	80	0.22	10

13.3 Threaded tees equal BSP

- Polypropylene body
- d1"-2"

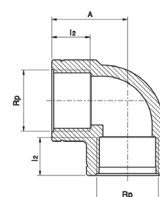


Iplex product code	Size d x d mm	H mm	l2 mm	Bag qty.	Carton qty.	Weight kg	PN water
504715	1/2"	64	18	10	700	0.03	16
504720	3/4"	68	19	10	500	0.04	16
504725	1"	81	21	10	260	0.06	16
504732*	1 1/4"	96	25	5	140	0.14	16
504740*	1 1/2"	108	25	5	90	0.16	16
504750*	2"	130	30	6	60	0.21	16

*Comes with St/steel reinforcement rings.

13.4 Threaded elbows 90d BSP

- Polypropylene body
- d1/2"-2"

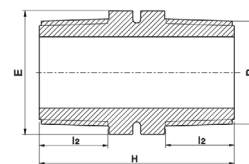


Iplex product code	Size d x d mm	A mm	l2 mm	Bag qty.	Carton qty.	Weight kg	PN water
505715	1/2" x 1/2"	32	17	10	1000	0.02	16
505720	3/4" x 3/4"	35	18	10	700	0.03	16
505725	1" x 1"	41	21	10	400	0.05	16
505732*	1 1/4" x 1 1/4"	48	25	10	200	0.9	16
505740*	1 1/2" x 1 1/2"	54	25	5	150	0.12	16
505750*	2" x 2"	65	30	5	80	0.16	16

*Comes with St/steel reinforcement rings.

13.5 Threaded nipples equal BSP

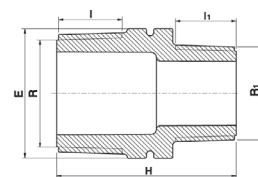
- Polypropylene body
- d1/2"-2"



Iplex product code	Size d x d mm	H mm	I2 mm	E mm	Bag qty.	Carton qty.	Weight kg	PN water
506715	1/2" x 1/2"	47	17	22	10	1800	0.01	16
506720	3/4" x 3/4"	49	18	27	10	1500	0.01	16
506725	1" x 1"	55	20	36	10	800	0.02	16
506732	1 1/4" x 1 1/4"	60	22	46	10	400	0.04	16
506740	1 1/2" x 1 1/2"	61	22	50	5	300	0.05	16
506750	2" x 2"	71	26	65	5	180	0.08	16

13.6 Threaded nipples reducing BSP

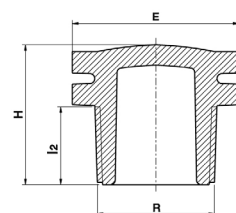
- Polypropylene body
- d1/2"-2"



Iplex product code	Size d x d mm	A mm	A1 mm	I mm	I1 mm	Bag qty.	Carton qty.	Weight kg	PN water
50652015	3/4" x 1/2"	47	17	17	16	10	1500	0.01	16
50652515	1" x 1/2"	49	19	19	16	10	800	0.02	16
50652520	1" x 3/4"	50	19	19	17	10	800	0.02	16
50653215	1 1/4" x 1/2"	53	21	21	16	10	500	0.03	16
50653220	1 1/4" x 3/4"	54	21	21	17	10	500	0.03	16
50653225	1 1/4" x 1"	56	21	21	19	10	500	0.03	16
50654015	1 1/2" x 1/2"	54	21	21	16	5	500	0.03	16
50654020	1 1/2" x 3/4"	55	21	21	17	5	500	0.03	16
50654025	1 1/2" x 1"	57	21	21	19	5	400	0.04	16
50654032	1 1/2" x 1 1/4"	59	21	21	21	5	400	0.04	16
50655015	2" x 1/2"	58	25	25	16	5	280	0.05	16
50655020	2" x 3/4"	59	25	25	17	5	260	0.05	16
50655025	2" x 1"	61	25	25	19	5	260	0.05	16
50655032	2" x 1 1/4"	63	25	25	21	5	240	0.06	16
50655040	2" x 1 1/2"	63	25	25	21	5	240	0.05	16

13.7 Threaded End Plug BSP

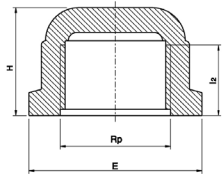
- Polypropylene Body
- d1/2"-2"



Iplex Product Code	Size d x d mm	H mm	I2 mm	E mm	Bag Qty.	Carton Qty.	Weight kg	PN Water
517715	1/2"	29	16	27	10	2000	0.01	16
517720	3/4"	31	17	32	10	1500	0.01	16
517725	1"	34	19	36	10	1000	0.01	16
517732	1 1/4"	38	21	46	10	700	0.03	16
517740	1 1/2"	39	21	55	10	500	0.04	16
517750	2"	45	25	65	10	300	0.06	16

13.8 Threaded end cap BSP

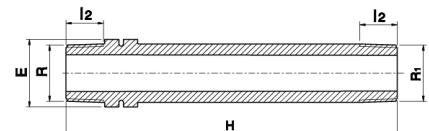
- Polypropylene body
- d1/2"-2"



Iplex product code	Size d x d mm	E mm	H mm	l2 mm	Bag qty.	Carton qty.	Weight kg	PN water
507715	1/2"	37	25	15	10	1600	0.01	16
507720	3/4"	42	26	16	10	1500	0.01	16
507725	1"	50	32	19	10	800	0.03	16
507732	1 1/4"	59	34	22	10	500	0.04	10
507740	1 1/2"	65	34	21	10	450	0.04	10
507750	2"	80	39	25	5	250	0.08	10

13.9 Threaded risers BSP

- Polypropylene body
- d1/2"-2"



Iplex product code	Size d x d mm	H mm	l2 mm	E mm	Bag qty.	Carton qty.	Weight kg	PN water
313915	1/2" x 1/2"	150	17	22	10	600	0.03	16
31392015	3/4" x 1/2"	113	18	27	10	500	0.03	16
313920	3/4" x 3/4"	150	18	27	10	400	0.04	16
313925	1" x 1"	150	19	36	5	250	0.07	16
313932	1 1/4" x 1 1/4"	150	21	46	5	150	0.09	16
31394032	1 1/2" x 1 1/4"	150	21	50	5	140	0.12	16
313940	1 1/2" x 1 1/2"	150	21	50	5	140	0.12	16

