

polyethylene

Polyethylene is now in widespread use for industrial pipework systems, as well as for buried gas and water pipelines, where it is the dominant material.

One of the major benefits is that Polyethylene is virtually unbreakable due to impact at temperatures above 5°C, and remains very tough at temperatures as low as -40°C. It is also exceptionally resistant to abrasion, and will outlast steel or other hard materials in most slurry handling applications.

Polyethylene is relatively low in weight, and its flexibility makes it suitable for temporary pipelines which are lain on rough ground or where buried in unstable ground conditions.

It has very good chemical resistance, and will withstand most acids and caustic substances. It is insoluble in all organic and inorganic solvents at 20°C, but it will not resist strong oxidising acids.

The Agruline range of PE now includes PE100-RC which has exceptional resistance against slow crack growth.

Polyethylene is joined by heat, and both socket fusion and butt fusion welding equipment is available for sale or hire.

section guide

Pipe - mm Sizes	285
Socket Fusion Fittings - mm Sizes	286
Socket Fusion Flanges - mm Sizes	287
Electrofusion Fittings - mm Sizes	288
Fusion Spigot Fittings - mm Sizes	290
Fusion Spigot Flanges - mm Sizes	297
Ball Valve	299
Electrically Conductive Pipe and Fittings	302
FM Approved Pipe and Fittings	304

application guide

- Wide range of sizes from 10mm to 1400mm
- High impact resistance
- Temperature range from -40°C to +60°C
- Exceptionally resistant to abrasion
- Non-toxic
- Resistant to many acids, alkalis, organic and inorganic solvents
- Flexible and therefore suitable for buried or surface pipelines
- UV resistant

- Not resistant to strong oxidising acids
- Special welding equipment required
- Above ground pipes require a lot of support

standards and approvals

Pipe	: DIN 8074 - dimensions
	: DIN 8075 - testing
Fittings	: DIN 16963

about: polyethylene

Polyethylene (PE) is a thermoplastic from the polyolefin group of materials. A unique combination of properties including mechanical strength, chemical resistance and thermal stability all combine to make polyethylene a popular piping system material.

Polyethylene has excellent resistance against a variety of chemicals, however strong oxidising acids attack the material. Good chemical resistance is achieved against contact with solvents, such as alcohols, esters and ketones. Consequently, solvent cement welding of PE pipes and fittings is not possible. PE has excellent diffusion resistance, and because of this property, polyethylene has been successfully applied for the safe transportation of gases for many years.

Black coloured PE is stabilised against the effects of UV radiation, and it may therefore safely be used outdoors. The stabilisation also counteracts heat fatigue, increasing the operating life.

There are a number of welding techniques suitable for pressure piping applications. High quality, reliable joints can be achieved using socket fusion jointing, butt fusion welding and electrofusion welding. In addition, PE systems can be joined using flanges, threaded connections and mechanical couplings.

Polyethylene is no longer described by its density (LDPE, MDPE or HDPE), but by its resistance class according to ISO 9080 (PE 63, PE 80 or PE 100). Polyethylene piping systems are available from IPS in metric dimensions according to DIN 8077/8078 and DIN 16962.

PE100-RC - In terms of pressure resistance and processability there is no difference between PE100-RC and PE100.



Properties of Polyethylene (Average values)

Properties	Standard	Unit	PE 100	PE 100-RC
MRS Classification	ISO 9080	N/mm ²	10	10
Specific density at 23°C	ISO 1183	g/cm ³	0.96 ²⁾	0.96 ²⁾
Melt flow rate (MFR 190/5)	ISO 1133-1	g/10min	~0.3 ¹⁾	~0.3 ¹⁾
MFI range	ISO 1133-1		T003	T003
Tensile stress at yield	ISO 527	MPa	≥23	≥23
Elongation at break	ISO 527	%	>350 ²⁾	≥350 ²⁾
Impact strength unnotched (at -30°C)	ISO 179	kJ/m ²	no break	no break
Impact strength notched (at +23°C)	ISO 179	kJ/m ²	≥13 ³⁾	≥13 ³⁾
Impact strength notched (at -30°C)	ISO 179	kJ/m ²	10	10
Young's Modulus	ISO 527	MPa	≥1000	≥1000
Linear coefficient of thermal expansion	DIN 53752	K ⁻¹ × 10 ⁻⁴	1.8 ⁴⁾	1.8 ⁴⁾
Thermal conductivity (at 20°C)	DIN 52612	W / (mxk)	~0.4	~0.4
Surface resistivity	VDE 0303	Ω	>10 ¹³	>10 ¹³
Colour	-	-	black	black

¹⁾ DVS 2207-1

²⁾ EN 12201

³⁾ DVS 2205-1 suppl.1

⁴⁾ DVS 2210-1

General properties of polyethylene

Polyethylene exhibits thermal stability up to 60°C (short-term 70° for drainage systems). Polyethylene shows excellent impact strength, with impact strength rising with increasing temperature.

Some important advantages of polyethylene are:

- Low specific weight of 0.95g/cm³
- Favourable transportation methods (can be coiled)
- High long term creep resistance
- Very good chemical resistance
- Weathering resistance
- Radiation resistance
- Outstanding weldability
- Excellent abrasion resistance
- Smooth internal surfaces- low friction loss
- Resistant to freezing

Advantages of PE

- High flexibility
- Weldable
- Low weight
- Convenient transportation (e.g. coiled bundles)
- UV resistance (with carbon black)
- Excellent chemical resistance
- Excellent weather-resistance
- Excellent radiation resistance
- Excellent abrasion resistance
- Minimal deposits and no ingrowth possible due to lower friction resistance
- Lower pressure losses in comparison to e.g. metals
- Application at lower temperatures
- Resistant to rodents
- Low microbial growth
- Physiologically safe

about: polyethylene

Pressure ratings for polyethylene systems

Maximum continuous pressure ratings

Pipes, fittings and valves are designed to operate continuously for 50 years at their maximum rated pressure at 20°C as follows, unless otherwise stated.

The pressure ratings for Polyethylene pipes according to DIN 8074 and Polyethylene fittings according to DIN 16963 are defined by the 'nominal pressure' method, whereby pipes, fittings and valves are grouped together according to a single nominal pressure rating. The PN rating is the maximum permitted operational pressure in bars calculated at 20°C, for example PN6 indicates a maximum working pressure of 6 bars. According to this method the pressure ratings of Polyethylene pipes and fittings according to the nominal pressure system is as follows:-

SDR	S Series	PN pressure rating	
		PE 100	PE 100-RC
41	20	4	4
33	16	5	5
26	12.5	6.3	6.3
17	8	10	10
11	5	16	16
9	4	20	20
7.4	3.2	25	25

Table shows the comparison of the SDR, S series and PN pressure ratings (valid for 20°C, 50 years durability and C = 1.25 (water)).

Standard Dimensional Ratio (SDR)

Standard Dimensional Ratio (SDR) is used to define thermoplastic pipes in a variety of materials including polypropylene, polyethylene, and PVC-U. Taken from ISO 4065, SDR is described as being 'the ratio of the nominal outside diameter of a pipe to its nominal wall thickness'. To calculate the SDR according to ISO 4065 the following equation can be used:

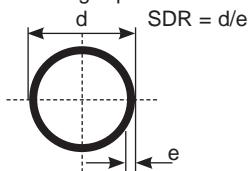
$$\text{SDR} = \frac{d}{e}$$

where:

SDR = Value to be calculated

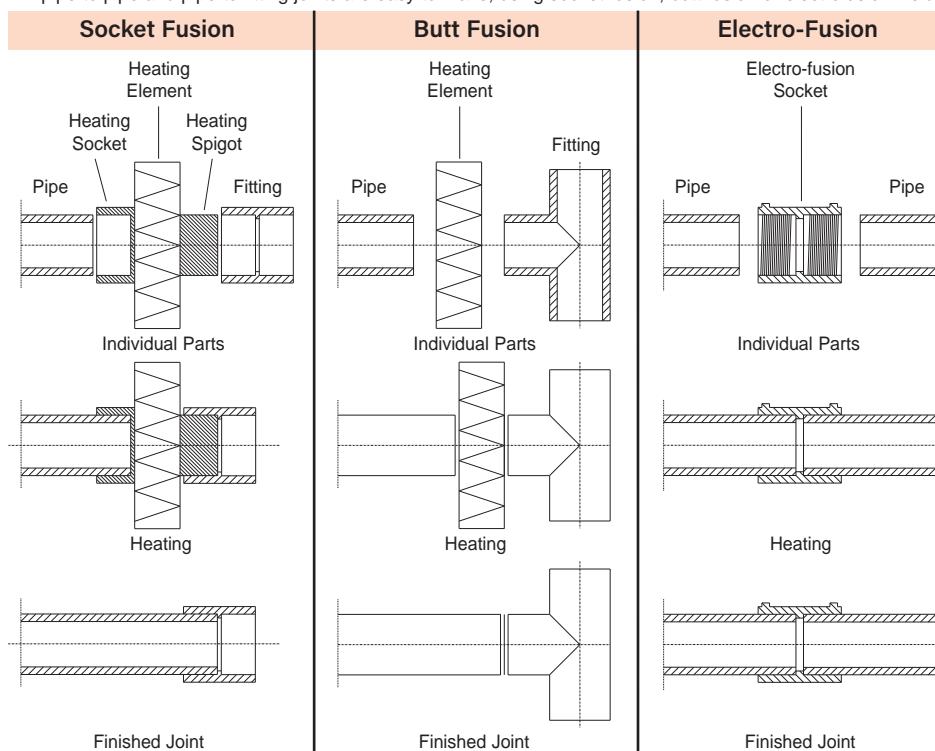
e = Thickness of the pipe wall (mm)

d = Pipe outside diameter (mm)



Jointing Polyethylene Systems

PE pipe to pipe and pipe to fitting joints are easy to make, using socket fusion, butt fusion or electrofusion welds.



Welding equipment is available for sale or hire - see Tools and Installation Equipment.
Detailed installation instructions, as well as free training, is available on request.

PE100 / PE100-RC Polyethylene pipe availability

Metric Sizes DIN 8074			PE100 / PE100-RC						PE100 FM	PE-HD-el: Electro Conductive		
Size	Series SDR Working Pressure	Ventilation - -	S-20 SDR41 PN4	S-16 SDR33 PN5	S-12.5 SDR26 PN6.3	S-8.3 SDR17 PN10	S-5 SDR11 PN16	S-5 SDR11 PN12	S-16 SDR33 PN3.2	S-8.3 SDR17.6 PN6	S-5 SDR11 PN10	
20	O.D. (mm) Wall (mm) Weight/m (kg)						20 2.0 0.12					
25	O.D. (mm) Wall (mm) Weight/m (kg)						25 2.3 0.17					
32	O.D. (mm) Wall (mm) Weight/m (kg)					32 2.0 0.20	32 3.0 0.28				32 3.0 0.29	
40	O.D. (mm) Wall (mm) Weight/m (kg)					40 2.4 0.30	40 3.7 0.43				40 3.7 0.45	
50	O.D. (mm) Wall (mm) Weight/m (kg)					50 3.0 0.46	50 4.6 0.67				50 4.6 0.70	
63	O.D. (mm) Wall (mm) Weight/m (kg)					63 3.8 0.73	63 5.8 1.06	63 5.8 1.05			63 5.8 1.11	
75	O.D. (mm) Wall (mm) Weight/m (kg)	75 1.9 0.46	75 2.3 0.55			75 4.5 1.03	75 6.8 1.48	75 6.8 1.47			75 6.8 1.54	
90	O.D. (mm) Wall (mm) Weight/m (kg)	90 2.2 0.63	90 2.8 0.80	90 3.5 0.99	90 5.4 1.47	90 8.2 2.14	90 8.2 2.14	90 10.0 2.11	90 5.1 1.46	90 8.2 2.23		
110	O.D. (mm) Wall (mm) Weight/m (kg)	110 2.7 0.95	110 3.4 1.17	110 4.2 1.45	110 6.6 2.19	110 10.0 3.18	110 10.0 3.18	110 10.0 3.14	110 3.4 1.24	110 6.3 2.19	110 10.0 3.31	
125	O.D. (mm) Wall (mm) Weight/m (kg)	125 3.1 1.23	125 3.9 1.53	125 4.8 1.86	125 7.4 2.79	125 11.4 4.12	125 11.4 4.12	125 12.5 4.06	125 3.9 1.59	125 7.1 2.80	125 11.4 4.29	
140	O.D. (mm) Wall (mm) Weight/m (kg)	140 3.5 1.56	140 4.3 1.90	140 5.4 2.35	140 8.3 3.50	140 12.7 5.13	140 12.7 5.13	140 12.7 5.08				
160	O.D. (mm) Wall (mm) Weight/m (kg)	160 4.0 2.02	160 4.9 2.45	160 6.2 3.08	160 9.5 4.57	160 14.6 6.74	160 14.6 6.74	160 14.6 6.67	160 4.9 2.55	160 9.1 4.58	160 14.6 7.02	
180	O.D. (mm) Wall (mm) Weight/m (kg)	180 4.4 2.46	180 5.5 3.10	180 6.9 3.83	180 10.7 5.77	180 16.4 8.51	180 16.4 8.40	180 16.4 8.40	180 5.5 3.23	180 10.2 5.77	180 16.4 8.87	
200	O.D. (mm) Wall (mm) Weight/m (kg)	200 4.9 3.08	200 6.2 3.85	200 7.7 4.74	200 11.9 7.12	200 18.2 10.50	200 18.2 10.40	200 18.2 10.40	200 6.2 4.64	200 11.4 7.14	200 18.2 10.90	
225	O.D. (mm) Wall (mm) Weight/m (kg)	225 5.5 3.90	225 6.9 4.82	225 8.6 5.96	225 13.4 9.03	225 20.5 13.30	225 20.5 13.30	225 20.5 13.10	225 6.9 5.03	225 12.8 9.00	225 20.5 13.80	
250	O.D. (mm) Wall (mm) Weight/m (kg)	250 6.2 4.84	250 7.7 5.98	250 9.6 7.38	250 14.8 11.10	250 22.7 16.30	250 22.7 16.30	250 22.7 16.20	250 7.7 6.23	250 14.2 11.10	250 22.7 17.00	
280	O.D. (mm) Wall (mm) Weight/m (kg)	280 6.9 6.04	280 8.6 7.47	280 10.7 9.20	280 16.6 13.90	280 25.4 20.50	280 25.4 20.50	280 25.4 20.20				
315	O.D. (mm) Wall (mm) Weight/m (kg)	315 7.7 7.59	315 9.7 9.47	315 12.1 11.70	315 18.7 17.60	315 28.6 25.90	315 28.6 25.60	315 28.6 25.60	315 9.7 9.86	315 17.9 17.60	315 28.6 27.00	
355	O.D. (mm) Wall (mm) Weight/m (kg)	355 8.7 9.65	355 10.9 12.00	355 13.6 14.80	355 21.1 22.40	355 32.2 32.90	355 32.2 32.50	355 32.2 32.50				
400	O.D. (mm) Wall (mm) Weight/m (kg)	400 8.0 10.04	400 9.8 12.20	400 12.3 15.20	400 15.3 18.80	400 23.7 28.30	400 36.3 41.70	400 36.3 41.20	400 12.3 15.90			
450	O.D. (mm) Wall (mm) Weight/m (kg)	450 8.0 11.30	450 11.0 15.40	450 13.8 19.20	450 17.2 23.70	450 26.7 35.80	450 40.9 52.80					
500	O.D. (mm) Wall (mm) Weight/m (kg)	500 8.0 12.60	500 12.3 19.10	500 15.3 23.60	500 19.1 29.20	500 29.7 44.20	500 45.4 65.20					
560	O.D. (mm) Wall (mm) Weight/m (kg)	560 10.0 17.60	560 13.7 23.90	560 17.2 29.70	560 21.4 36.60	560 33.2 55.40	560 50.8 81.70					
630	O.D. (mm) Wall (mm) Weight/m (kg)	630 10.0 19.80	630 15.4 30.10	630 19.3 37.40	630 24.1 46.40	630 37.4 70.20	630 57.2 103.00					
710	O.D. (mm) Wall (mm) Weight/m (kg)	710 12.0 26.70	710 17.4 38.30	710 21.8 47.70	710 27.2 59.00	710 42.1 89.00	710 64.5 131.00					
800	O.D. (mm) Wall (mm) Weight/m (kg)	800 12.0 30.20	800 19.6 48.70	800 24.5 60.40	800 30.6 74.70	800 47.4 113.00	800 72.6 167.00					
900	O.D. (mm) Wall (mm) Weight/m (kg)	900 15.0 42.30	900 22.0 61.30	900 27.6 76.40	900 34.4 94.40	900 53.3 143.00	900 81.7 211.00					
1000	O.D. (mm) Wall (mm) Weight/m (kg)	1000 15.0 47.00	1000 24.5 75.90	1000 30.6 94.10	1000 38.2 117.00	1000 59.3 176.00	1000 90.8 260.00					
1200	O.D. (mm) Wall (mm) Weight/m (kg)	1200 18.0 67.70	1200 29.4 109.00	1200 36.7 135.00	1200 45.9 168.00	1200 71.1 254.00	1200 108.90 375.00					
1400	O.D. (mm) Wall (mm) Weight/m (kg)	1400 20.0 87.70	1400 34.3 148.00	1400 42.9 184.00	1400 53.5 228.00	1400 83.0 345.00	1400 127.00 510.00					
1600	O.D. (mm) Wall (mm) Weight/m (kg)	1600 194.00	1600 49.0 241.00	1600 61.2 298.00	1600 94.8 451.00	1600 145.20 666.00						
1800	O.D. (mm) Wall (mm) Weight/m (kg)	1800 245.00	1800 55.1 305.00	1800 68.8 377.00	1800 106.6 571.00							
2000	O.D. (mm) Wall (mm) Weight/m (kg)	2000 302.00	2000 61.2 376.00	2000 76.4 465.00	2000 118.4 704.00							
2250	O.D. (mm) Wall (mm) Weight/m (kg)	2250 382.00	2250 70.0 476.00	2250 86.0 589.00	2250 133.3 892.00							

* PE100-RC



PE100 / PE100-RC Pipe

PN10/S-8.3/SDR17.6			PN16/S-5/SDR11		
Size	Code	Price/m	Code	Price/m	
20	-	-	70.705.0020.11	2.28	
25	-	-	70.705.0025.11	3.15	
32	70.705.0032.17	2.86	70.705.0032.11	4.41	
40	70.705.0040.17	4.06	70.705.0040.11	6.08	
50	70.705.0050.17	6.43	70.705.0050.11	9.27	
63	70.705.0063.17	9.93	70.705.0063.11	14.53	
75	70.705.0075.17	13.97	70.705.0075.11	20.22	
90	70.705.0090.17	20.22	70.705.0090.11	29.11	
110	70.705.0110.17	29.69	70.705.0110.11	43.48	
125	70.705.0125.17	38.10	70.705.0125.11	55.96	
140	70.705.0140.17	47.54	70.705.0140.11	70.09	
160	70.705.0160.17	62.36	70.705.0160.11	91.62	
180	70.705.0180.17	78.55	70.705.0180.11	115.58	
200	70.705.0200.17	97.02	70.705.0200.11	143.24	
225	70.705.0225.17	122.97	70.705.0225.11	180.25	
250	70.705.0250.17	149.97	70.705.0250.11	222.73	
280	70.705.0280.17	188.36	70.705.0280.11	277.65	
315	70.705.0315.17	239.21	70.705.0315.11	352.15	
355	70.705.0355.17	303.97	70.705.0355.11	448.14	
400	70.705.0400.17	385.81	70.705.0400.11	567.78	
* 450	70.705.0450.17	529.00	70.705.0450.11	781.78	
* 500	70.705.0500.17	655.37	70.705.0500.11	963.73	
* 560	70.705.0560.17	818.83	70.705.0560.11	1208.03	
* 630	70.705.0630.17	1037.84	70.705.0630.11	1524.70	
* 710	70.705.0710.17	1314.15	70.705.0710.11	1957.93	
* 800	70.705.0800.17	1671.34	70.705.0800.11	2475.60	
* 900	70.705.0900.17	2107.91	70.705.0900.11	3431.68	
* 1000	70.705.1000.17	2614.93	70.705.1000.11	4377.15	

Standard length 5m

* PE100-RC

For pricing on larger diameter pipe please contact our sales team.

Please note that a transportation surcharge may be applied on pipe diameters 250mm or larger - please enquire for details.

Pipework Support

Polyethylene pipework requires more support than for metallic systems. As working temperature increases, the distance between supports is reduced.

PN10 Pipe Size	Support Centres/m		
	20°C	40°C	60°C
16	0.5	0.5	0.4
20	0.6	0.5	0.4
25	0.7	0.6	0.5
32	0.8	0.7	0.6
40	0.9	0.8	0.7
50	1.0	0.9	0.8
63	1.2	1.1	0.9
75	1.4	1.2	1.0
90	1.5	1.4	1.2
110	1.7	1.5	1.3
125	1.8	1.6	1.4
140	1.9	1.8	1.5
160	2.1	1.9	1.6
180	2.2	2.0	1.8
200	2.3	2.1	1.9
225	2.5	2.3	2.1
250	2.6	2.4	2.1
280	2.8	2.6	2.2
315	2.9	2.7	2.4
355	3.1	2.9	2.6
400	3.3	3.1	2.7

Non Standard Lengths

Depending on the quantity and lead time requirements, PE pipes can be produced in lengths up to 12 metres.
Please enquire for details.

Electrically Conductive PE

A range of PE80 pipes and fittings designed for the safe discharge of static electricity in critical environments. Please refer to the separate pages at the end of the Polyethylene section.

PE100-RC

The Agriline range of PE now includes PE100-RC which has exceptional resistance against slow crack growth.



Agru PE 100

Can be supplied with FM Approval for applications within the fire protection industry. Please refer to the separate pages at the end of the Polyethylene section

Temperature De-Rating Factors

Pressure ratings for Polyethylene pipework systems are always quoted at 20°C. As the working temperature increases, the maximum working pressure decreases by the factor indicated.

Working Temperature (°C)	Pressure De-Rating Factor
20	1.00
30	0.77
40	0.53
50	0.36

This data is provided for guidance only. For specific projects please contact our technical department

socket fusion fittings



Tee 90°



Size	Code	Price
20	70.056.0020.07	9.16
25	70.056.0025.07	10.36
32	70.056.0032.07	12.52
40	70.056.0040.07	15.50
63	70.056.0063.07	37.69
75	70.056.0075.07	78.14
90	70.056.0090.07	124.63
110	70.056.0110.07	166.60

Reducing Tee 90°



Size	Code	Price
25/20	70.055.2520.07	12.15
32/20	70.055.3220.07	14.89
32/25	70.055.3225.07	14.89
40/20	70.055.4020.07	17.04
40/25	70.055.4025.07	17.04
40/32	70.055.4032.07	17.04
50/20	70.055.5020.07	27.44
50/25	70.055.5025.07	27.44
50/32	70.055.5032.07	27.44
50/40	70.055.5040.07	27.44
63/25	70.055.6325.07	40.01
63/32	70.055.6332.07	40.01
63/40	70.055.6340.07	40.01
63/50	70.055.6350.07	40.01

Elbow 90°



Size	Code	Price
20	70.051.0020.07	7.89
25	70.051.0025.07	9.52
32	70.051.0032.07	11.57
40	70.051.0040.07	14.66
50	70.051.0050.07	27.16
63	70.051.0063.07	35.27
75	70.051.0075.07	74.32
90	70.051.0090.07	93.40
110	70.051.0110.07	140.81

Elbow 45°



Size	Code	Price
20	70.050.0020.07	9.52
25	70.050.0025.07	11.32
32	70.050.0032.07	12.76
40	70.050.0040.07	16.46
50	70.050.0050.07	22.75
63	70.050.0063.07	29.06
75	70.050.0075.07	64.11
90	70.050.0090.07	89.83
110	70.050.0110.07	133.20

Socket



Size	Code	Price
20	70.053.0020.07	5.85
25	70.053.0025.07	6.09
32	70.053.0032.07	8.00
40	70.053.0040.07	10.35
50	70.053.0050.07	15.86
63	70.053.0063.07	21.57
75	70.053.0075.07	30.50
110	70.053.0110.07	76.99

Union

FPM O-Rings



Size	Code	Price
20	70.024.1120.07	25.98
25	70.024.1125.07	28.37
32	70.024.1132.07	34.06
40	70.024.1140.07	47.93
50	70.024.1150.07	67.93
63	70.024.1163.07	92.22

Reducer

Spigot x Socket



Size	Code	Price
25/20	70.057.2520.07	7.27
32/20	70.057.3220.07	9.05
32/25	70.057.3225.07	9.05
40/20	70.057.4020.07	10.73
40/25	70.057.4025.07	10.73
40/32	70.057.4032.07	10.73
50/20	70.057.5020.07	12.52
50/25	70.057.5025.07	12.52
50/32	70.057.5032.07	12.52
50/40	70.057.5040.07	12.52
63/25	70.057.6325.07	17.14
63/32	70.057.6332.07	17.14
63/40	70.057.6340.07	17.14
63/50	70.057.6350.07	17.14
75/63	70.057.7563.07	30.04
90/63	70.057.9063.07	41.95
90/75	70.057.9075.07	41.95
110/63	70.057.1163.07	56.98
110/90	70.057.1190.07	56.98

Female Adaptor

BSP female threaded



Size	Code	Price
20x1/2	70.034.2020.07	10.73
25x3/4	70.034.2525.07	12.15
32x1	70.034.3232.07	15.86
40x1 1/4	70.034.4040.07	18.22
50x1 1/2	70.034.5050.07	28.58
63x2	70.034.6363.07	35.38

Code shown is for BSP

Male Adaptor

BSP threaded



Size	Code	Price
20x3/4	70.035.2025.07	10.97
25x1	70.035.2532.07	12.76
32x1 1/4	70.035.3240.07	15.24
40x1 1/2	70.035.4050.07	25.01
50x2	70.035.5063.07	31.70

Code shown is for BSP

Cap



Size	Code	Price
20	70.054.0020.07	3.82
25	70.054.0025.07	4.07
32	70.054.0032.07	4.29
40	70.054.0040.07	4.79
50	70.054.0050.07	6.09
63	70.054.0063.07	7.89
75	70.054.0075.07	10.85
90	70.054.0090.07	17.54
110	70.054.0110.07	24.31

Stub Flange



Size	Code	Price
20	70.052.0020.07	4.64
25	70.052.0025.07	5.00
32	70.052.0032.07	5.50
40	70.052.0040.07	6.76
50	70.052.0050.07	8.00
63	70.052.0063.07	10.47
75	70.052.0075.07	20.12
90	70.052.0090.07	31.25
110	70.052.0110.07	46.27

Gasket

EPDM



Size	Code	Price
1/2"/20	861-E-005	0.77
3/4"/25	861-E-007	0.88
1"/32	861-E-010	0.97
1 1/4"/40	861-E-012	1.20
1 1/2"/50	861-E-015	1.46
2"/63	861-E-020	2.50
2 1/2"/75	861-E-025	3.07
3"/90	861-E-030	3.30
4"/110	861-E-040	4.80

Please note above code is for Table D/E. Replace 'E' for 'I' for NP10/16 or 'A' for ANSI 150

Gasket

FPM



Size	Code	Price
1/2"/20	862-E-005	3.55
3/4"/25	862-E-007	5.27
1"/32	862-E-010	6.97
1 1/4"/40	862-E-012	11.20
1 1/2"/50	862-E-015	12.22
2"/63	862-E-020	16.10
2 1/2"/75	862-E-025	23.32
3"/90	862-E-030	30.38
4"/110	862-E-040	51.86

Please note above code is for Table D/E. Replace 'E' for 'I' for NP10/16 or 'A' for ANSI 150



Pressure Ratings

Maximum working pressures (socket fusion):-
20-110mm PN16

Except for:
Union - PN10
Female adaptor - PN16
Male adaptor - PN10

Backing Ring Table D/E

Galvanised mild steel



Size	Code	Price
1/2"/20	860-005-11E	11.37
3/4"/25	860-007-11E	12.86
1"/32	860-010-11E	13.49
1 1/4"/40	860-012-11E	13.92
1 1/2"/50	860-015-11E	17.05
2"/63	860-020-11E	24.21
2 1/2"/75	860-025-11E	36.17
3"/90	860-030-11E	36.77
4"/110 D	860-040-11D	47.52
4"/110 E	860-040-11E	47.52

Backing Ring PN10/16

Galvanised mild steel



Size	Code	Price
1/2"/20	860-005-11NP	12.86
3/4"/25	860-007-11NP	13.60
1"/32	860-010-11NP	16.17
1 1/4"/40	860-012-11NP	17.16
1 1/2"/50	860-015-11NP	18.84
2"/63	860-020-11NP	26.62
2 1/2"/75	860-025-11NP	36.43
3"/90	860-030-11NP	42.12
4"/110	860-040-11NP	53.87

Backing Ring ANSI 150

Galvanised mild steel



Size	Code	Price
1/2"/20	860-005-11A	12.85
3/4"/25	860-007-11A	13.60
1"/32	860-010-11A	16.17
1 1/4"/40	860-012-11A	17.17
1 1/2"/50	860-015-11A	18.84
2"/63	860-020-11A	26.62
2 1/2"/75	860-025-11A	36.43
3"/90	860-030-11A	42.12
4"/110	860-040-11A	53.87

Backing Ring PN10

Polypropylene with steel core



Size	Code	Price
20	11.014.0020.11	11.62
25	11.014.0025.11	12.76
32	11.014.0032.11	16.36
40	11.014.0040.11	20.74
50	11.014.0050.11	24.20
63	11.014.0063.11	28.06
75	11.014.0075.11	31.16
90	11.014.0090.11	36.82
110	11.014.0110.11	43.75

Backing Ring ANSI 150

Polypropylene with steel core



Size	Code	Price
20	11.013.0020.11	11.63
25	11.013.0025.11	12.76
32	11.013.0032.11	16.36
40	11.013.0040.11	20.74
50	11.013.0050.11	24.20
63	11.013.0063.11	28.06
75	11.013.0075.11	31.16
90	11.013.0090.11	36.82
110	11.013.0110.11	43.75

electrofusion fittings

Electrofusion Coupling

PN16 - SDR11



Electrofusion couplings available up to 1400mm. Please enquire for further details.

Size	Code	Price
20	70.173.0020.11	8.08
25	70.173.0025.11	9.26
32	70.173.0032.11	9.74
40	70.173.0040.11	10.23
50	70.173.0050.11	15.97
63	70.173.0063.11	16.66
75	70.173.0075.11	23.78
90	70.173.0090.11	31.57
110	70.173.0110.11	38.03
125	70.173.0125.11	53.49
140	70.173.0140.11	62.73
160	70.173.0160.11	73.73
180	70.173.0180.11	105.80
200	70.173.0200.11	124.97
225	70.173.0225.11	160.97
250	70.173.0250.11	237.18
280	70.173.0280.11	321.40
315	70.173.0315.11	386.58
355	70.173.0355.11	706.81
400	70.173.0400.11	886.32
450	70.373.0450.11	1763.27
500	70.373.0500.11	1900.55

PN10 - SDR17

Size	Code	Price
90	70.173.0090.17	26.67
110	70.173.0110.17	31.35
160	70.173.0160.17	57.18
200	70.173.0200.17	101.75
225	70.173.0225.17	131.11
250	70.173.0250.17	190.88
280	70.173.0280.17	321.40
315	70.173.0315.17	368.17
355	70.173.0355.17	672.72
400	70.173.0400.17	1020.69
450	70.173.0450.17	1338.17
500	70.373.0500.17	1625.62
560	70.373.0560.17	2162.98
630	70.373.0630.17	2751.58
710	70.373.0710.17	3224.84

Electrofusion Tee 90°

Fusion Spigot Branch



Size	Code	Price
20	70.176.0020.11	21.38
25	70.176.0025.11	21.38
32	70.176.0032.11	23.47
40	70.176.0040.11	27.16
50	70.176.0050.11	34.26
63	70.176.0063.11	38.33
75	70.176.0075.11	54.03
90	70.176.0090.11	68.33
110	70.176.0110.11	109.45
125	70.176.0125.11	137.82
160	70.176.0160.11	255.28
180	70.176.0180.11	484.39
200	70.176.0200.11	579.61
225	70.176.0225.11	696.17

Electrofusion Elbow 90°



Size	Code	Price
20	70.171.0020.11	21.09
25	70.171.0025.11	21.09
32	70.171.0032.11	22.31
40	70.171.0040.11	26.61
50	70.171.0050.11	33.85
63	70.171.0063.11	38.26
75	70.171.0075.11	54.82
90	70.171.0090.11	72.30
110	70.171.0110.11	106.07
125	70.171.0125.11	146.85
160	70.171.0160.11	287.89
180	70.171.0180.11	392.73
200	70.171.0200.11	625.31
225	70.171.0225.11	625.31

Electrofusion Elbow 45°



Size	Code	Price
20	70.170.0020.11	21.09
25	70.170.0025.11	21.09
32	70.170.0032.11	22.31
40	70.170.0040.11	26.61
50	70.170.0050.11	33.85
63	70.170.0063.11	38.26
75	70.170.0075.11	54.82
90	70.170.0090.11	72.30
110	70.170.0110.11	106.07
125	70.170.0125.11	146.85
160	70.170.0160.11	287.89
180	70.170.0180.11	392.73
200	70.170.0200.11	483.08
225	70.170.0225.11	625.31

Electrofusion Reducer



Size	Code	Price
25x20	70.177.2520.11	14.54
32x20	70.177.3220.11	15.17
32x25	70.177.3225.11	15.79
40x20	70.177.4020.11	18.18
40x25	70.177.4025.11	18.18
40x32	70.177.4032.11	20.18
50x25	70.177.5025.11	25.23
50x32	70.177.5032.11	25.23
50x40	70.177.5040.11	27.55
63x32	70.177.6332.11	32.89
63x40	70.177.6340.11	32.89
63x50	70.177.6350.11	32.89
75x50	70.177.7550.11	43.34
75x63	70.177.7563.11	44.59
90x63	70.177.9063.11	51.47
110x63	70.177.1163.11	83.88
110x90	70.177.1190.11	83.88
125x90	70.177.1290.11	102.49
125x110	70.177.1211.11	102.49
160x90	70.177.1690.11	146.37
160x110	70.177.1611.11	150.05
225x160	70.177.2216.11	340.56

Electrofusion Cap



Size	Code	Price
20	70.174.0020.11	15.06
25	70.174.0025.11	15.83
32	70.174.0032.11	18.03
40	70.174.0040.11	19.84
50	70.174.0050.11	30.06
63	70.174.0063.11	33.23
75	70.174.0075.11	52.21
90	70.174.0090.11	74.29
110	70.174.0110.11	95.30
125	70.174.0125.11	117.15
140	70.174.0140.11	160.84
160	70.174.0160.11	164.52
180	70.174.0180.11	216.04
200	70.174.0200.11	255.29
225	70.174.0225.11	315.13
250	70.174.0250.11	484.31
280	70.174.0280.11	669.90
315	70.174.0315.11	926.96



Pressure Ratings

Polyethylene electrofusion fittings are suitable for use handling fluids at pressures up to 16 bar at 20°C.

Electrofusion Adaptor

Electrofusion x Brass
BSP Female



Size	Code	Price
20x1/2	70.184.2020.11	63.05
25x3/4	70.184.2525.11	69.11
32x1	70.184.3232.11	75.80
40x1.1/4	70.184.4040.11	100.03
50x1.1/2	70.184.5050.11	151.34
63x2	70.184.6363.11	205.30

Electrofusion Adaptor

Electrofusion x Steel
BSP Female



Size	Code	Price
20x1/2	70.184.2021.11	62.89
25x3/4	70.184.2526.11	64.17
32x1	70.184.3233.11	68.49
40x1.1/4	70.184.4041.11	104.83
50x1.1/2	70.184.5051.11	141.82
63x2	70.184.6364.11	161.04

Electrofusion Adaptor

Electrofusion x Brass
BSP Male



Size	Code	Price
20x1/2	70.185.2020.11	63.89
25x3/4	70.185.2525.11	70.42
32x1	70.185.3232.11	88.83
40x1.1/4	70.185.4040.11	108.79
50x1.1/2	70.185.5050.11	161.29
63x2	70.185.6363.11	174.61

Electrofusion Adaptor

Electrofusion x Steel
BSP Male



Size	Code	Price
20x1/2	70.185.2021.11	62.89
25x3/4	70.185.2526.11	64.17
32x1	70.185.3233.11	68.49
40x1.1/4	70.185.4041.11	104.83
50x1.1/2	70.185.5051.11	141.82
63x2	70.185.6364.11	161.04

Electrofusion Adaptor

Spigot x Brass BSP
Female



Size	Code	Price
20x1/2	70.180.0020.11	49.07
25x3/4	70.180.0025.11	53.03
32x1	70.180.0032.11	58.83
40x1.1/4	70.180.0040.11	82.28
50x1.1/2	70.180.0050.11	123.76
63x2	70.180.0063.11	176.46

Electrofusion Elbow 90°

Electrofusion x Brass
BSP Female



Size	Code	Price
20x1/2	70.187.2020.11	82.06
25x3/4	70.187.2525.11	86.05
32x1	70.187.3232.11	93.74
40x1.1/4	70.187.4040.11	124.00
50x1.1/2	70.187.5050.11	176.81
63x2	70.187.6363.11	236.34

Electrofusion Elbow 90°

Electrofusion x Steel
BSP Female



Size	Code	Price
20x1/2	70.187.2021.11	81.92
25x3/4	70.187.2526.11	82.74
32x1	70.187.3233.11	86.44
40x1.1/4	70.187.4041.11	128.74
50x1.1/2	70.187.5051.11	167.16
63x2	70.187.6364.11	192.08

Electrofusion Elbow 90°

Electrofusion x Brass
BSP Male



Size	Code	Price
20x1/2	70.186.2020.11	82.91
25x3/4	70.186.2525.11	87.37
32x1	70.186.3232.11	106.76
40x1.1/4	70.186.4040.11	132.73
50x1.1/2	70.186.5051.11	186.65
63x2	70.186.6363.11	205.59

Electrofusion Elbow 90°

Electrofusion x Steel
BSP Male



Size	Code	Price
20x1/2	70.186.2021.11	81.92
25x3/4	70.186.2526.11	82.74
32x1	70.186.3233.11	86.44
40x1.1/4	70.186.4041.11	122.45
50x1.1/2	70.186.5051.11	167.16
63x2	70.186.6364.11	192.08

Electrofusion Elbow 45°

Electrofusion x Brass
BSP Female



Size	Code	Price
20x1/2	70.189.2020.11	82.06
25x3/4	70.189.2525.11	86.05
32x1	70.189.3232.11	93.74
40x1.1/4	70.189.4040.11	124.00
50x1.1/2	70.189.5050.11	176.81
63x2	70.189.6363.11	236.34

Electrofusion Elbow 45°

Electrofusion x Steel
BSP Female



Size	Code	Price
20x1/2	70.189.2021.11	81.92
25x3/4	70.189.2526.11	82.74
32x1	70.189.3233.11	86.44
40x1.1/4	70.189.4041.11	128.74
50x1.1/2	70.189.5051.11	167.16
63x2	70.189.6364.11	192.08

Electrofusion Elbow 45°

Electrofusion x Brass
BSP Male



Size	Code	Price
20x1/2	70.188.2020.11	82.91
25x3/4	70.188.2525.11	87.37
32x1	70.188.3232.11	106.76
40x1.1/4	70.188.4040.11	132.73
50x1.1/2	70.188.5050.11	186.65
63x2	70.188.6363.11	205.59

Electrofusion Elbow 45°

Electrofusion x Steel
Male BSP



Size	Code	Price
20x1/2	70.188.2021.11	81.92
25x3/4	70.188.2526.11	82.74
32x1	70.188.3233.11	86.44
40x1.1/4	70.188.4041.11	122.45
50x1.1/2	70.188.5051.11	167.16
63x2	70.188.6364.11	192.08

Tee 90°

Short Spigot



6

PE100 / PE100-RC

PN5 (SDR 33)

Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	70.006.0110.33	38.92
125	70.006.0125.33	47.58
140	70.006.0140.33	53.09
160	70.006.0160.33	88.62
180	70.006.0180.33	105.00
200	70.006.0200.33	129.67
225	70.006.0225.33	243.09
250	70.006.0250.33	375.90
280	70.006.0280.33	478.21
315	70.006.0315.33	603.75
355	70.006.0355.33	845.39
400	70.006.0400.33	1239.41
450	70.006.0450.33	1673.36
500	70.006.0500.33	2172.38

PN10 (SDR 17)

Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	70.006.0063.17	12.07
75	70.006.0075.17	24.67
90	70.006.0090.17	35.21
110	70.006.0110.17	58.43
125	70.006.0125.17	81.01
140	70.006.0140.17	95.67
160	70.006.0160.17	179.84
180	70.006.0180.17	220.87
200	70.006.0200.17	301.65
225	70.006.0225.17	354.13
250	70.006.0250.17	469.97
280	70.006.0280.17	531.18
315	70.006.0315.17	706.53
355	70.006.0355.17	1062.38
400	70.006.0400.17	1452.02
450	70.006.0450.17	2019.23
500	70.006.0500.17	2598.58

PN16 (SDR 11)

Size	Code	Price
20	70.006.0020.11	3.72
25	70.006.0025.11	3.72
32	70.006.0032.11	4.67
40	70.006.0040.11	7.41
50	70.006.0050.11	10.02
63	70.006.0063.11	15.56
75	70.006.0075.11	31.33
90	70.006.0090.11	46.80
110	70.006.0110.11	68.75
125	70.006.0125.11	94.63
140	70.006.0140.11	119.92
160	70.006.0160.11	201.75
180	70.006.0180.11	258.60
200	70.006.0200.11	370.57
225	70.006.0225.11	440.73
250	70.006.0250.11	560.68
280	70.006.0280.11	758.04
315	70.006.0315.11	1076.86
355	70.006.0355.11	1258.51
400	70.006.0400.11	1879.21
450	70.006.0450.11	2482.66
500	70.006.0500.11	3173.03

Tee 90°

Long Spigot



Size

Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	70.066.0063.17	19.00
75	70.066.0075.17	30.90
90	70.066.0090.17	44.45
110	70.066.0110.17	65.22
125	70.066.0125.17	89.46
140	70.066.0140.17	143.80
160	70.066.0160.17	186.67
180	70.066.0180.17	244.95
200	70.066.0200.17	350.79
225	70.066.0225.17	416.94
250	70.066.0250.17	532.82
280	70.066.0280.17	807.60
315	70.066.0315.17	1034.01
355	70.066.0355.17	on application
400	70.066.0400.17	on application

Code

Code	Price
70.066.0020.11	6.80
70.066.0025.11	7.75
70.066.0032.11	9.28
70.066.0040.11	11.50
70.066.0050.11	15.21
70.066.0063.11	20.96
70.066.0075.11	34.80
70.066.0090.11	49.50
70.066.0110.11	72.46
70.066.0125.11	99.46
70.066.0140.11	159.83
70.066.0160.11	207.42
70.066.0180.11	272.12
70.066.0200.11	389.98
70.066.0225.11	463.43
70.066.0250.11	598.31
70.066.0280.11	897.20
70.066.0315.11	1148.99
70.066.0355.11	1327.09
70.066.0400.11	on application

Code

Code	Price
70.016.9032.11	43.40
70.016.9050.11	44.58
70.016.1132.11	64.05
70.016.1150.11	65.36
70.016.1263.11	91.46
-	-
70.016.1463.11	114.74
70.016.1475.11	114.74
70.016.1490.11	116.59
70.016.1411.11	116.59
70.016.1612.11	193.47
70.016.1863.11	240.18
70.016.1875.11	240.18
-	-
70.016.1812.11	247.92
-	-
-	-
-	-
70.016.2212.11	418.20

Reducing Tee 90°

Short Spigot



Size

Size	Code	Price
90 x 32	-	-
90 x 50	-	-
110 x 32	-	-
110 x 50	-	-
125 x 63	-	-
125 x 90	-	-
140 x 63	70.016.1463.17	89.09
140 x 75	70.016.1475.17	89.45
140 x 90	70.016.1490.17	90.92
140 x 110	70.016.1411.17	92.81
160 x 125	70.016.1612.17	173.03
180 x 63	70.016.1863.17	205.45
180 x 75	70.016.1875.17	211.72
180 x 110	70.016.1811.17	205.45
180 x 125	70.016.1812.17	211.72
200 x 63	-	-
200 x 90	-	-
200 x 110	-	-
200 x 125	-	-
200 x 160	-	-
225 x 125	70.016.2212.17	280.36

Code

Code	Price
70.016.9032.11	43.40
70.016.9050.11	44.58
70.016.1132.11	64.05
70.016.1150.11	65.36
70.016.1263.11	91.46
-	-
70.016.1463.11	114.74
70.016.1475.11	114.74
70.016.1490.11	116.59
70.016.1411.11	116.59
70.016.1612.11	193.47
70.016.1863.11	240.18
70.016.1875.11	240.18
-	-
70.016.1812.11	247.92
-	-
-	-
-	-
70.016.2212.11	418.20

**Reducing Tee
90°**

Long Spigot



**PE100 / PE100-RC
PN5 (SDR 33)**

Size	Code	Price
63 x 32	-	-
63 x 50	-	-
75 x 32	-	-
75 x 50	-	-
75 x 63	-	-
90 x 63	-	-
90 x 75	-	-
110 x 63	-	-
110 x 75	-	-
110 x 90	-	-
125 x 90	-	-
125 x 110	-	-
160 x 63	-	-
160 x 75	-	-
160 x 90	-	-
160 x 110	-	-
180 x 90	-	-
180 x 110	-	-
180 x 160	-	-
200 x 63	-	-
200 x 90	-	-
200 x 110	-	-
200 x 125	-	-
200 x 160	-	-
225 x 75	-	-
225 x 90	-	-
225 x 110	-	-
225 x 160	-	-
225 x 180	-	-
315 x 90	-	-
315 x 110	-	-
315 x 160	-	-
315 x 200	-	-
315 x 225	-	-
315 x 250	-	-

PN10 (SDR 17)

Code	Price
70.065.6350.17	20.23
70.065.7550.17	30.68
70.065.7563.17	31.17
70.065.9063.17	43.66
70.065.1163.17	64.75
70.065.1175.17	64.75
70.065.1190.17	66.29
70.065.1290.17	89.92
70.065.1211.17	89.92
70.065.1663.17	178.16
70.065.1675.17	183.66
70.065.1690.17	183.66
70.065.1611.17	185.36
70.065.1890.17	247.75
70.065.1816.17	247.75
70.065.2063.17	332.94
70.065.2090.17	332.94
70.065.2011.17	332.94
70.065.2012.17	332.94
70.065.2016.17	332.94
70.065.2275.17	418.12
70.065.2290.17	418.12
70.065.2211.17	419.52
70.065.2216.17	420.70
70.065.2218.17	421.40
70.065.3190.17	1086.71
70.065.3111.17	1162.77
70.065.3116.17	1162.77
70.065.3120.17	1086.71
70.065.3122.17	1215.64
70.065.3125.17	1215.64

PN16 (SDR 11)

Code	Price
70.065.6332.11	21.91
70.065.6350.11	21.91
70.065.7532.11	34.29
70.065.7550.11	34.29
70.065.7563.11	34.95
70.065.9063.11	48.84
70.065.9075.11	49.20
70.065.1163.11	72.41
70.065.1175.11	72.41
70.065.1190.11	73.42
70.065.1290.11	100.74
70.065.1211.11	100.74
70.065.1663.11	198.05
70.065.1675.11	199.72
70.065.1690.11	199.72
70.065.1611.11	204.71
70.065.1890.11	274.51
70.065.1811.11	274.51
70.065.1816.11	274.51
70.065.2063.11	369.33
70.065.2090.11	369.33
70.065.2011.11	369.33
70.065.2012.11	369.33
70.065.2016.11	369.33
70.065.2275.11	464.12
70.065.2290.11	464.12
70.065.2211.11	465.97
70.065.2216.11	467.62
70.065.2218.11	469.27
70.065.3190.11	1181.21
70.065.3111.11	1263.90
70.065.3116.11	1263.90
70.065.3120.11	1181.21
70.065.3122.11	1321.32
70.065.3125.11	1321.32

Tee 45° NEW

Long Spigot



Size	Code	Price
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-

Code	Price
70.036.0090.17	133.42
70.036.0110.17	195.81
70.036.0125.17	268.70
70.036.0140.17	431.75
70.036.0160.17	560.55
70.036.0180.17	734.59

Code	Price
70.036.0090.11	148.63
70.036.0110.11	213.69
70.036.0125.11	298.65
70.036.0140.11	479.92
70.036.0160.11	622.77
70.036.0180.11	817.17

fusion spigot fittings

Bend 90°

Short Spigot



PE100 / PE100-RC PN5 (SDR 33)

Size	Code	Price	Code	Price	Code	Price
50	-	-	-	-	-	-
63	-	-	-	-	-	-
75	-	-	-	-	-	-
90	-	-	-	-	-	-
110	70.001.0110.33	29.68	-	-	-	-
125	70.001.0125.33	33.43	-	-	-	-
140	70.001.0140.33	43.23	-	-	-	-
160	70.001.0160.33	56.44	-	-	-	-
180	70.001.0180.33	68.84	-	-	-	-
200	70.001.0200.33	85.37	-	-	-	-
225	70.001.0225.33	105.10	-	-	-	-
250	70.001.0250.33	129.10	70.001.0250.17	281.58	70.001.0250.11	414.10
280	70.001.0280.33	159.65	70.001.0280.17	365.95	70.001.0280.11	538.47
315	70.001.0315.33	226.65	70.001.0315.17	505.56	70.001.0315.11	743.31
355	70.001.0355.33	605.69	70.001.0355.17	801.08	70.001.0355.11	1087.30
400	70.001.0400.33	847.08	70.001.0400.17	1115.57	70.001.0400.11	1493.15
450	70.001.0450.33	1141.18	70.001.0450.17	1458.30	70.001.0450.11	1959.28
500	70.001.0500.33	1590.66	70.001.0500.17	1840.28	70.001.0500.11	2527.43

Multi-Bend 90°

Long Spigot



Size	Code	Price	Code	Price	Code	Price
20	-	-	-	-	70.068.0020.11	5.36
25	-	-	-	-	70.068.0025.11	5.55
32	-	-	-	-	70.068.0032.11	5.79
40	-	-	-	-	70.068.0040.11	7.53
50	-	-	-	-	70.068.0050.11	9.41
63	-	-	70.068.0063.17	11.53	70.068.0063.11	13.50
75	-	-	70.068.0075.17	16.83	70.068.0075.11	18.60
90	-	-	70.068.0090.17	21.92	70.068.0090.11	27.03
110	-	-	70.068.0110.17	46.23	70.068.0110.11	51.40
125	-	-	70.068.0125.17	58.72	70.068.0125.11	72.37
140	-	-	70.068.0140.17	85.35	70.068.0140.11	96.86
160	-	-	70.068.0160.17	94.11	70.068.0160.11	117.95
180	-	-	70.068.0180.17	116.37	70.068.0180.11	139.66
200	-	-	70.068.0200.17	144.09	70.068.0200.11	208.13
225	-	-	70.068.0225.17	177.60	70.068.0225.11	248.23
250	-	-	70.068.0250.17	858.41	70.068.0250.11	428.55
280	-	-	70.068.0280.17	576.26	70.068.0280.11	678.04
315	-	-	70.068.0315.17	914.99	70.068.0315.11	842.26

Elbow 90°

Long Spigot



Size	Code	Price	Code	Price	Code	Price
250	-	-	70.061.0250.17	393.32	70.061.0250.11	438.52
280	-	-	70.061.0280.17	595.97	70.061.0280.11	662.14
315	-	-	70.061.0315.17	741.65	70.061.0315.11	828.48

Bend 90°

Segmented

Size	Code	Price	Code	Price	Code	Price
560	-	-	70.331.0560.17	2045.12	70.331.0560.11	2821.89
630	-	-	70.331.0630.17	2529.08	70.331.0630.11	3544.48
710	-	-	70.331.0710.17	3610.75	70.331.0710.11	5105.51
800	-	-	70.331.0800.17	4922.34	-	-

Bend 45°

Segmented

Size	Code	Price	Code	Price	Code	Price
560	-	-	70.330.0560.17	1450.13	70.330.0560.11	2002.52
630	-	-	70.330.0630.17	1810.25	70.330.0630.11	2538.79
710	-	-	70.330.0710.17	2619.54	70.330.0710.11	3706.02
800	-	-	70.330.0800.17	3310.61	-	-

Elbow 45°

Long Spigot



PE100 / PE100-RC PN5 (SDR 33)

Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-
280	-	-
315	-	-

PN10 (SDR 17)

Code	Price
70.060.0063.17	20.52
70.060.0075.17	25.32
70.060.0090.17	31.99
70.060.0110.17	61.22
70.060.0125.17	75.44
70.060.0140.17	98.91
70.060.0160.17	114.43
70.060.0180.17	124.97
70.060.0200.17	170.94
70.060.0225.17	203.96
70.060.0250.17	393.32
70.060.0280.17	595.97
70.060.0315.17	741.65

PN16 (SDR 11)

Code	Price
70.060.0020.11	6.80
70.060.0025.11	7.27
70.060.0032.11	8.77
70.060.0040.11	10.98
70.060.0050.11	12.50
70.060.0063.11	22.80
70.060.0075.11	28.29
70.060.0090.11	35.47
70.060.0110.11	67.98
70.060.0125.11	83.96
70.060.0140.11	109.85
70.060.0160.11	126.98
70.060.0180.11	138.99
70.060.0200.11	189.96
70.060.0225.11	226.41
70.060.0250.11	438.52
70.060.0280.11	662.14
70.060.0315.11	828.48

Elbow 30°

Long Spigot



Size	Code	Price
90	-	-
110	-	-
160	-	-

Code	Price
70.019.0090.17	64.48
70.019.0110.17	80.00
70.019.0160.17	172.95

Code	Price
70.019.0090.11	72.46
70.019.0110.11	90.92
70.019.0160.11	192.95

Bend 45°

Long Spigot



Size	Code	Price
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-

Code	Price
70.397.0090.17	91.50
70.397.0110.17	170.28
70.397.0125.17	168.07
70.397.0140.17	200.26
70.397.0160.17	256.65
70.397.0180.17	275.22
70.397.0200.17	296.89
70.397.0225.17	376.28
70.397.0250.17	562.09

Code	Price
70.397.0090.11	91.50
70.397.0110.11	173.97
70.397.0125.11	181.86
70.397.0140.11	202.97
70.397.0160.11	258.98
70.397.0180.11	312.42
70.397.0200.11	332.75
70.397.0225.11	399.51
70.397.0250.11	624.80

Bend 30°

Long Spigot



Size	Code	Price
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-

Code	Price
70.396.0090.17	99.64
70.396.0110.17	170.28
70.396.0125.17	168.07
70.396.0140.17	200.26
70.396.0160.17	256.65
70.396.0180.17	275.22
70.396.0200.17	296.89
70.396.0225.17	376.28
70.396.0250.17	522.60

Code	Price
70.396.0090.11	111.95
70.396.0110.11	173.97
70.396.0125.11	181.86
70.396.0140.11	202.97
70.396.0160.11	276.41
70.396.0180.11	312.42
70.396.0200.11	332.75
70.396.0225.11	399.51
70.396.0250.11	607.39

Bend 22°

Long Spigot



Size	Code	Price
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-

Code	Price
70.395.0090.17	91.50
70.395.0110.17	170.28
70.395.0125.17	168.07
70.395.0140.17	200.26
70.395.0160.17	256.65
70.395.0180.17	275.22
70.395.0200.17	296.89
70.395.0225.17	376.28
70.395.0250.17	522.60

Code	Price
70.395.0090.11	111.95
70.395.0110.11	173.97
70.395.0125.11	181.86
70.395.0140.11	202.97
70.395.0160.11	276.41
70.395.0180.11	312.42
70.395.0200.11	332.75
70.395.0225.11	399.51
70.395.0250.11	607.39

Bend 11°

Long Spigot



Size	Code	Price
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-

Code	Price
70.394.0090.17	91.50
70.394.0110.17	170.28
70.394.0125.17	168.07
70.394.0140.17	200.26
70.394.0160.17	256.65
70.394.0180.17	275.22
70.394.0200.17	296.89
70.394.0225.17	376.28
70.394.0250.17	522.60

Code	Price
70.394.0090.11	111.95
70.394.0110.11	173.97
70.394.0125.11	181.86
70.394.0140.11	202.97
70.394.0160.11	276.41
70.394.0180.11	312.42
70.394.0200.11	332.75
70.394.0225.11	399.51
70.394.0250.11	607.39

fusion spigot fittings

Reducer

Short Spigot



6

PE100 / PE100-RC

PN5 (SDR 33)

Size	Code	Price
------	------	-------

25 x 20	-	-
32 x 20	-	-
32 x 25	-	-
40 x 20	-	-
40 x 25	-	-
40 x 32	-	-
50 x 25	-	-
50 x 32	-	-
50 x 40	-	-
63 x 32	-	-
63 x 40	-	-
63 x 50	-	-
75 x 32	-	-
75 x 40	-	-
75 x 50	-	-
75 x 63	-	70.009.7563.17
90 x 50	-	-
90 x 63	-	70.009.9063.17
90 x 75	-	70.009.9075.17
110 x 50	-	-
110 x 63	-	70.009.1163.17
110 x 75	-	70.009.1175.17
110 x 90	-	70.009.1190.17
125 x 63	-	70.009.1263.17
125 x 75	-	70.009.1275.17
125 x 90	-	70.009.1290.17
125 x 110	-	70.009.1211.17
140 x 75	-	70.009.1475.17
140 x 90	-	70.009.1490.17
140 x 110	-	70.009.1411.17
140 x 125	-	70.009.1412.17
160 x 90	-	70.009.1690.17
160 x 110	-	70.009.1611.17
160 x 125	-	70.009.1612.17
160 x 140	-	70.009.1614.17
180 x 90	-	70.009.1890.17
180 x 110	-	70.009.1811.17
180 x 125	-	70.009.1812.17
180 x 140	-	70.009.1814.17
180 x 160	-	70.009.1816.17
200 x 140	-	70.009.2014.17
200 x 160	-	70.009.2016.17
200 x 180	-	70.009.2018.17
225 x 140	-	70.009.2214.17
225 x 160	-	70.009.2216.17
225 x 180	-	70.009.2218.17
225 x 200	-	70.009.2220.17
250 x 160	-	70.009.2516.17
250 x 180	-	70.009.2518.17
250 x 200	-	70.009.2521.17
250 x 225	-	70.009.2522.17
280 x 200	-	70.009.2820.17
280 x 250	-	70.009.2825.17
315 x 200	-	70.009.3120.17
315 x 225	-	70.009.3122.17
315 x 250	-	70.009.3125.17

PN10 (SDR 17)

Size	Code	Price
------	------	-------

25 x 20	-	-
32 x 20	-	-
32 x 25	-	-
40 x 20	-	-
40 x 25	-	-
40 x 32	-	-
50 x 25	-	-
50 x 32	-	-
50 x 40	-	-
63 x 32	-	-
63 x 40	-	-
63 x 50	-	-
75 x 32	-	-
75 x 40	-	-
75 x 50	-	-
75 x 63	70.009.7563.17	22.88
90 x 50	-	-
90 x 63	70.009.9063.17	25.55
90 x 75	70.009.9075.17	25.55
110 x 50	-	-
110 x 63	70.009.1163.17	32.51
110 x 75	70.009.1175.17	32.51
110 x 90	70.009.1190.17	32.51
125 x 63	70.009.1263.17	41.82
125 x 75	70.009.1275.17	41.82
125 x 90	70.009.1290.17	41.82
125 x 110	70.009.1211.17	41.82
140 x 75	70.009.1475.17	50.41
140 x 90	70.009.1490.17	50.41
140 x 110	70.009.1411.17	50.41
140 x 125	70.009.1412.17	58.99
160 x 90	70.009.1690.17	58.99
160 x 110	70.009.1611.17	58.99
160 x 125	70.009.1612.17	58.99
160 x 140	70.009.1614.17	58.99
180 x 90	70.009.1890.17	92.69
180 x 110	70.009.1811.17	87.10
180 x 125	70.009.1812.17	80.36
180 x 140	70.009.1814.17	76.41
180 x 160	70.009.1816.17	72.97
200 x 140	70.009.2014.17	208.61
200 x 160	70.009.2016.17	184.21
200 x 180	70.009.2018.17	164.92
225 x 140	70.009.2214.17	249.68
225 x 160	70.009.2216.17	213.68
225 x 180	70.009.2218.17	203.47
225 x 200	70.009.2220.17	179.29
250 x 160	70.009.2516.17	285.69
250 x 180	70.009.2518.17	264.76
250 x 200	70.009.2521.17	242.73
250 x 225	70.009.2522.17	230.19
280 x 200	70.009.2820.17	318.22
280 x 250	70.009.2825.17	289.16
315 x 200	70.009.3120.17	405.32
315 x 225	70.009.3122.17	358.85
315 x 250	70.009.3125.17	328.66

PN16 (SDR 11)

Size	Code	Price
------	------	-------

25 x 20	70.009.2520.11	11.16
32 x 20	70.009.3220.11	12.89
32 x 25	70.009.3225.11	12.89
40 x 20	70.009.4020.11	14.65
40 x 25	70.009.4025.11	14.65
40 x 32	70.009.4032.11	14.65
50 x 25	70.009.5025.11	15.47
50 x 32	70.009.5032.11	15.47
50 x 40	70.009.5040.11	15.47
63 x 32	70.009.6332.11	18.69
63 x 40	70.009.6340.11	18.69
63 x 50	70.009.6350.11	18.69
75 x 32	70.009.7532.11	23.93
75 x 40	70.009.7540.11	23.93
75 x 50	70.009.7550.11	23.93
75 x 63	70.009.7563.11	23.93
90 x 50	70.009.9050.11	25.55
90 x 63	70.009.9063.11	26.74
90 x 75	70.009.9075.11	26.74
110 x 50	70.009.1150.11	34.12
110 x 63	70.009.1163.11	34.12
110 x 75	70.009.1175.11	34.12
110 x 90	70.009.1190.11	34.12
125 x 63	70.009.1263.11	43.67
125 x 75	70.009.1275.11	43.67
125 x 90	70.009.1290.11	43.67
125 x 110	70.009.1211.11	43.67
140 x 75	70.009.1475.11	52.95
140 x 90	70.009.1490.11	52.95
140 x 110	70.009.1411.11	52.95
140 x 125	70.009.1412.11	52.95
160 x 90	70.009.1690.11	62.02
160 x 110	70.009.1611.11	62.02
160 x 125	70.009.1612.11	62.02
160 x 140	70.009.1614.11	62.02
180 x 90	70.009.1890.11	97.05
180 x 110	70.009.1811.11	91.50
180 x 125	70.009.1812.11	84.30
180 x 140	70.009.1814.11	80.16
180 x 160	70.009.1816.11	76.41
200 x 140	70.009.2014.11	218.78
200 x 160	70.009.2016.11	193.49
200 x 180	70.009.2018.11	173.26
225 x 140	70.009.2214.11	261.31
225 x 160	70.009.2216.11	224.35
225 x 180	70.009.2218.11	213.43
225 x 200	70.009.2220.11	188.13
250 x 160	70.009.2516.11	299.61
250 x 180	70.009.2518.11	277.55
250 x 200	70.009.2521.11	255.48
250 x 225	70.009.2522.11	241.56
280 x 200	70.009.2820.11	319.39
280 x 250	70.009.2825.11	299.61
315 x 200	70.009.3120.11	426.21
315 x 225	70.009.3122.11	377.44
315 x 250	70.009.3125.11	343.76

Reducer NEW

Short Spigot - PE100-RC
Machined



Size	Code	Price
------	------	-------

355 x 225	70.317.3522.17	761.44
355 x 250	70.317.3525.17	761.44
400 x 250	70.317.4025.17	761.44
400 x 280	70.317.4028.17	761.44
400 x 315	70.317.4031.17	761.44
400 x 355	70.317.4035.17	761.44
500 x 315	70.317.4535.17	761.44
500 x 355	70.317.5031.17	1038.98
500 x 400	70.317.5035.17	1038.98
500 x 450	70.317.5040.17	1038.98
560 x 400	70.317.5640.17	1415.71
560 x 450	70.317.5645.17	1415.71
560 x 500	70.317.5650.17	1415.71
630 x 400	70.317.6340.17	1566.75
630 x 450	70.317.6345.17	1566.75
630 x 500	70.317.6350.17	1566.75
630 x 560	70.317.6356.17	1566.75

Reducer

Concentric - Long Spigot



PE100 / PE100-RC PN5 (SDR 33)

Size	Code	Price
25 x 20	-	-
32 x 20	-	-
32 x 25	-	-
40 x 20	-	-
40 x 25	-	-
40 x 32	-	-
50 x 25	-	-
50 x 32	-	-
50 x 40	-	-
63 x 32	-	-
63 x 40	-	-
63 x 50	-	-
75 x 50	-	-
75 x 63	-	-
90 x 63	-	-
90 x 75	-	-
110 x 63	-	-
110 x 90	-	-
125 x 63	-	-
125 x 90	-	-
125 x 110	-	-
140 x 125	-	-
160 x 90	-	-
160 x 110	-	-
160 x 125	-	-
180 x 125	-	-
180 x 160	-	-
200 x 160	-	-
225 x 160	-	-
250 x 160	-	-
250 x 200	-	-
250 x 225	-	-
280 x 250	-	-
315 x 200	-	-
315 x 225	-	-
315 x 250	-	-

PN10 (SDR 17)

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
70.067.7563.17	18.57
70.067.9063.17	25.97
70.067.9075.17	26.19
70.067.1163.17	34.98
70.067.1190.17	34.98
70.067.1263.17	42.02
70.067.1290.17	42.02
70.067.1211.17	42.41
70.067.1412.17	60.48
70.067.1690.17	80.75
70.067.1611.17	77.87
70.067.1612.17	80.97
70.067.1614.17	81.43
70.067.1812.17	104.91
70.067.1816.17	104.91
70.067.2016.17	115.02
70.067.2216.17	184.98
70.067.2516.17	250.14
70.067.2521.17	261.62
70.067.2522.17	261.62
70.067.2825.17	348.79
70.067.3120.17	448.59
70.067.3122.17	448.59
70.067.3125.17	448.59

PN16 (SDR 11)

Code	Price
70.067.2520.11	4.50
70.067.3220.11	5.05
70.067.3225.11	5.05
70.067.4020.11	7.27
70.067.4025.11	7.27
70.067.4032.11	7.27
70.067.5025.11	8.98
70.067.5032.11	8.98
70.067.5040.11	8.98
70.067.6332.11	11.99
70.067.6340.11	11.99
70.067.6350.11	11.99
70.067.7550.11	18.57
70.067.7563.11	18.57
70.067.9063.11	25.97
70.067.9075.11	26.19
70.067.1163.11	34.98
70.067.1190.11	34.98
70.067.1263.11	42.02
70.067.1290.11	42.02
70.067.1211.11	42.41
70.067.1412.11	60.48
70.067.1690.11	80.75
70.067.1611.11	80.97
70.067.1612.11	80.97
70.067.1614.11	81.43
70.067.1812.11	104.91
70.067.1816.11	104.91
70.067.2016.11	115.02
70.067.2216.11	184.98
70.067.2516.11	250.14
70.067.2521.11	261.62
70.067.2522.11	261.62
70.067.2825.11	369.58
70.067.3120.11	448.59
70.067.3122.11	448.59
70.067.3125.11	448.59

Reducer

Eccentric - Long Spigot



Size	Code	Price
25 x 20	-	-
32 x 25	-	-
40 x 25	-	-
40 x 32	-	-
50 x 25	-	-
50 x 40	-	-
63 x 32	-	-
63 x 40	-	-
63 x 50	-	-
75 x 50	-	-
75 x 63	-	-
90 x 63	-	-
90 x 75	-	-
110 x 63	-	-
110 x 90	-	-
125 x 63	-	-
125 x 90	-	-
125 x 110	-	-
140 x 125	-	-
160 x 90	-	-
160 x 110	-	-
160 x 125	-	-
180 x 140	-	-
180 x 90	-	-
180 x 125	-	-
200 x 160	-	-
225 x 160	-	-
250 x 160	-	-
250 x 200	-	-
250 x 225	-	-
280 x 250	-	-
315 x 200	-	-
315 x 225	-	-
315 x 250	-	-

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-
-	-
70.069.6350.17	13.28
70.069.7550.17	20.38
70.069.7563.17	20.38
70.069.9063.17	28.60
70.069.9075.17	28.60
70.069.1163.17	38.48
70.069.1190.17	38.48
70.069.1263.17	46.20
70.069.1290.17	46.20
70.069.1211.17	46.20
70.069.1412.17	66.54
70.069.1690.17	88.76
70.069.1611.17	88.76
70.069.1612.17	88.76
70.069.1614.17	88.76
70.069.1890.17	150.01
70.069.1812.17	115.43
70.069.1816.17	115.43
70.069.2016.17	126.49
70.069.2018.17	126.49
70.069.2216.17	203.44
70.069.2218.17	203.44
70.069.2220.17	203.44
70.069.2521.17	267.09
70.069.2522.17	267.09

Code	Price
70.069.2520.11	5.00
70.069.3225.11	5.81
70.069.4025.11	7.93
70.069.4032.11	7.93
70.069.5032.11	10.01
70.069.5040.11	10.01
70.069.6332.11	14.25
70.069.6340.11	14.25
70.069.6350.11	14.25
70.069.7550.11	22.05
70.069.7563.11	22.05
70.069.9063.11	30.85
70.069.9075.11	30.85
70.069.1163.11	41.58
70.069.1190.11	41.58
70.069.1263.11	49.88
70.069.1290.11	49.88
70.069.1211.11	49.88
70.069.1412.11	71.86
70.069.1690.11	95.89
70.069.1611.11	95.89
70.069.1612.11	95.89
70.069.1614.11	95.89
70.069.1890.11	124.67
70.069.1812.11	124.67
70.069.2016.11	136.63
70.069.2018.11	136.63
70.069.2216.11	219.77
70.069.2218.11	219.77
70.069.2220.11	219.77
70.069.2521.11	288.46
70.069.2522.11	288.46

fusion spigot fittings

Union

Long Spigot FPM Seal



PE100 / PE100-RC

PN5 (SDR 33)

Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	-	-

PN10 (SDR 17)

Code	Price
-	-
-	-
-	-
-	-
-	-
-	-

PN16 (SDR 11)

Code	Price
70.024.0120.11	25.59
70.024.0125.11	27.88
70.024.0132.11	33.55
70.024.0140.11	47.40
70.024.0150.11	67.05
70.024.0163.11	91.23

Cap

Long Spigot



Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-
280	-	-
315	-	-

Code	Price
-	-
-	-
-	-
-	-
-	-
70.064.0063.17	15.51
70.064.0075.17	24.00
70.064.0090.17	37.17
70.064.0110.17	49.50
70.064.0125.17	53.47
70.064.0140.17	66.94
70.064.0160.17	74.96
70.064.0180.17	97.50
70.064.0200.17	121.44
70.064.0225.17	149.35
70.064.0250.17	195.41
70.064.0280.17	277.55
70.064.0315.17	371.19

Code	Price
70.064.0020.11	5.26
70.064.0025.11	5.78
70.064.0032.11	7.27
70.064.0040.11	8.98
70.064.0050.11	11.78
70.064.0063.11	15.51
70.064.0075.11	24.00
70.064.0090.11	37.17
70.064.0110.11	49.50
70.064.0125.11	53.47
70.064.0140.11	66.94
70.064.0160.11	74.96
70.064.0180.11	97.50
70.064.0200.11	121.44
70.064.0225.11	149.35
70.064.0250.11	217.21
70.064.0280.11	308.54
70.064.0315.11	414.82

Cap

Short Spigot

Size	Code	Price
355	-	-
400	-	-
450	-	-
500	-	-

Code	Price
-	-
-	-
-	-
-	-

Code	Price
70.004.0355.11	459.22
70.004.0400.11	629.58
70.004.0450.11	874.01
70.004.0500.11	1096.23

Adaptor

Spigot x Female BSP Thread



Size	Code	Price
20 x 1/2	-	-
25 x 3/4	-	-
32 x 1	-	-
40 x 1 1/4	-	-
50 x 1 1/2	-	-
63 x 2	-	-

Code	Price
-	-
-	-
-	-
-	-
-	-

Code	Price
70.032.2020.11	8.81
70.032.2525.11	9.97
70.032.3232.11	13.06
70.032.4040.11	14.98
70.032.5050.11	23.49
70.032.6363.11	29.44

Adaptor

Spigot x Male BSP Thread



Size	Code	Price
20 x 1/2	-	-
25 x 3/4	-	-
32 x 1	-	-
40 x 1 1/4	-	-
50 x 1 1/2	-	-
63 x 2	-	-

Code	Price
-	-
-	-
-	-
-	-
-	-

Code	Price
70.033.2020.11	6.89
70.033.2525.11	8.24
70.033.3232.11	10.46
70.033.4040.11	12.58
70.033.5050.11	20.61
70.033.6363.11	26.10

Stub Flange

Short Spigot



PE100 / PE100-RC PN5 (SDR 33)

Size	Code	Price
25	-	-
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	70.012.0110.33	17.99
125	70.012.0125.33	22.09
140	70.012.0140.33	25.64
160	70.012.0160.33	31.73
180	70.012.0180.33	46.37
200	70.012.0200.33.	59.91
225	70.012.0225.33	62.45
250	70.012.0250.33	88.10
280	70.012.0280.33	95.02
315	70.012.0315.33	113.84
355	70.012.0355.33	194.68
400	70.012.0400.33	404.45
450	70.012.0450.33	473.62
500	70.012.0500.33	575.20
560	70.012.0560.33	680.64
630	70.012.0630.33	783.96
710	-	-

Stub Flange

Long Spigot



Size	Code	Price
20	-	-
25	-	-
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	-	-
125	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-
280	-	-
315	-	-
355	-	-
400	-	-

Chamfered Stub Flange

Long Spigot for butterfly valves



Size	Code	Price
110	-	-
140	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-
280	-	-
315	-	-
355	-	-
400	-	-

Full Face Flange

Long Spigot Steel Core



Size	Code	Price
90	-	-
110	-	-
125	-	-
160	-	-
180	-	-

PN10 (SDR 17)

Code	Price
-	-
-	-
-	-
-	-
70.012.0063.17	8.19
70.012.0075.17	9.68
70.012.0090.17	14.13
70.012.0110.17	17.99
70.012.0125.17	22.09
70.012.0140.17	25.63
70.012.0160.17	31.73
70.012.0180.17	57.94
70.012.0200.17	62.30
70.012.0225.17	64.91
70.012.0250.17	92.81
70.012.0280.17	101.95
70.012.0315.17	124.48
70.012.0355.17	213.30
70.012.0400.17	431.05
70.012.0450.17	507.97
70.012.0500.17	626.24
70.012.0560.17	749.61
70.012.0630.17	868.13
70.012.0710.17	1619.64

PN16 (SDR 11)

Code	Price
70.012.0025.11	4.23
70.012.0032.11	5.00
70.012.0040.11	5.93
70.012.0050.11	7.28
70.012.0063.11	9.11
70.012.0075.11	10.79
70.012.0090.11	15.42
70.012.0110.11	19.87
70.012.0125.11	23.95
70.012.0140.11	27.94
70.012.0160.11	35.22
70.012.0180.11	60.27
70.012.0200.11	64.85
70.012.0225.11	67.15
70.012.0250.11	101.95
70.012.0280.11	111.38
70.012.0315.11	131.21
70.012.0355.11	232.94
70.012.0400.11	458.86
70.012.0450.11	537.50
70.012.0500.11	680.64
70.012.0560.11	1341.87
70.012.0630.11	1551.43
70.012.0710.11	2453.22

Code

Code	Price
-	-
-	-
-	-
-	-
70.062.0063.17	12.30
70.062.0075.17	16.69
70.062.0090.17	20.75
70.062.0110.17	26.50
70.062.0125.17	32.21
70.062.0140.17	41.54
70.062.0160.17	47.49
70.062.0180.17	73.25
70.062.0200.17	83.50
70.062.0225.17	89.97
70.062.0250.17	124.50
70.062.0280.17	188.50
70.062.0315.17	247.29
70.062.0355.17	449.45
70.062.0400.17	792.92

Code

Code	Price
70.062.0020.11	5.50
70.062.0025.11	5.78
70.062.0032.11	6.79
70.062.0040.11	7.98
70.062.0050.11	9.75
70.062.0063.11	12.30
70.062.0075.11	15.91
70.062.0090.11	20.75
70.062.0110.11	26.50
70.062.0125.11	32.21
70.062.0140.11	41.54
70.062.0160.11	47.49
70.062.0180.11	73.25
70.062.0200.11	83.50
70.062.0225.11	89.97
70.062.0250.11	124.50
70.062.0280.11	188.50
70.062.0315.11	247.29
70.062.0355.11	449.45
70.062.0400.11	792.92

Code

Code	Price
70.162.0090.11	145.06
70.162.0110.11	192.65
70.162.0125.11	198.29
70.162.0160.11	271.98
70.162.0180.11	381.53

Code

Code	Price
-	-
-	-
-	-
-	-
-	-



6

Backing Ring

Polypropylene with steel core



Also available in ANSI
150, please enquire for
details

Backing Ring

Galvanised Mild Steel



EPDM

Size	Code	Price
1/2"/20	861-E-005	0.77
3/4"/25	861-E-007	0.88
1"/32	861-E-010	0.97
1.1/4"/40	861-E-012	1.20
1.1/2"/50	861-E-015	1.46
2"/63	861-E-020	2.50
2.1/2"/75	861-E-075	3.07
3"/90	861-E-031	3.30
4"/110	861-E-041	4.80
4"/110	861-E-040	4.80
140	861-E-051	6.17
6"/160	861-E-061	7.07
6"/160	861-E-180	7.07
8"/200	861-E-080	14.05
225	861-E-082	14.05
250	861-E-100	17.24
10"/280	861-E-101	17.24
12"/315	861-E-121	19.54
335	861-E-141	27.54
400	861-E-161	30.35

FPM

Code	Price
862-E-005	3.55
862-E-007	5.27
862-E-010	6.97
862-E-012	11.20
862-E-015	12.22
862-E-020	16.10
862-E-075	23.32
862-E-031	30.38
862-E-041	51.88
862-E-040	51.86
862-E-051	86.56
862-E-061	86.56
862-E-180	86.57
862-E-080	103.66
862-E-082	103.66
862-E-100	141.11
862-E-101	141.11
862-E-121	147.32
862-E-141	229.82
862-E-161	264.73

Please note above code is for Table D/E
Replace 'E' for 'ISO' for NP10/16 or 'A' for ANSI 150

PN10

Size	Code	Price
20	14.014.0020.11*	11.63
25	14.014.0025.11*	12.76
32	14.014.0032.11*	16.36
40	14.014.0040.11*	20.74
50	14.014.0050.11*	24.20
63	14.014.0063.11*	28.06
75	14.014.0075.11*	31.16
90	14.014.0090.11*	36.82
110	14.014.0110.11*	43.76
125	14.014.0125.11*	43.76
140	14.014.0140.11*	67.40
160	14.014.0160.11*	77.19
180	14.014.0180.11*	77.19
200	14.014.0200.11*	109.89
225	14.014.0225.11*	109.89
250	14.014.0250.11*	175.48
280	14.014.0280.11*	175.48
315	14.014.0315.11*	220.50
355	14.014.0355.11*	464.45
400	14.014.0400.11*	526.19
450	14.014.0450.11*	651.01
500	14.014.0500.11*	651.01
560	14.014.0560.11*	882.54
630	14.014.0630.11*	882.54

ANSI 150

PN16

*Black

PN10

Size	Code	Price
1/2"/20	860-005-12NP	12.86
3/4"/25	860-007-12NP	13.60
1"/32	860-010-12NP	16.61
1 1/4"/40	860-012-12NP	17.66
1 1/2"/50	860-015-12NP	18.84
2"/63	860-020-11NP	26.62
2 1/2"/75	860-025-11NP	36.43
3"/90	860-030-11NP	42.12
4"/110	860-040-11NP	53.87
125	860-125-11NP	75.01
5"/140	860-050-12NP	75.01
6"/160	860-060-14NP	83.96
180	860-180-11NP	98.57
8"/200	860-080-11N	120.28
225	860-225-12N	118.00
250	860-100-13N	174.92
10"/280	860-280-11N	166.99
12"/315	860-120-15N	227.01
14"/355	860-140-12N	633.07
16"/400	860-160-12N	777.04

ANSI 150

Code	Price
860-005-12A	12.86
860-007-12A	13.60
860-010-12A	16.18
860-012-12A	17.16
860-015-12A	18.84
860-020-11A	26.62
860-025-11A	36.43
860-030-11A	42.12
860-040-11A	53.87
860-125-11A	75.01
860-050-12A	75.01
860-060-14A	83.96
860-180-11A	98.56
860-080-14A	123.65
860-225-12A	118.02
860-100-13A	166.98
860-280-11A	166.98
860-120-15A	227.00
860-140-12A	633.06
860-160-12A	777.04

AGRU Ball Valve

Description: In-line one-piece ball valve

Mounting: In any position

Maximum Fluid Pressure at 20°C: 16 bar

Fluid Temperature Range: -20°C - +50°C

Construction:

Body: PE100

Seats: PE100

Seals: EPDM

End Connections: Fusion spigots



MM Fusion Spigots

Size	Code	Price
32	70.333.2032.11	206.77
50	70.333.2050.11	267.07
63	70.333.2063.11	456.59
90	70.333.2090.11	603.05
110	70.333.2110.11	616.13
125	70.333.2125.11	660.57

MM Fusion Spigots - Gear Operated

Size	Code	Price
32	70.333.6063.11	580.66
50	70.333.6090.11	727.09
63	70.333.6110.11	770.19
110	70.333.6125.11	844.29
125	70.333.6160.11	2232.18
160	70.333.6180.11	2243.36
180	70.333.6225.11	3687.17
225	70.333.6225.11	3687.17

No Longer Available

Pipe Availability

We typically hold over
200,000 metres of pipe
in stock for immediate despatch



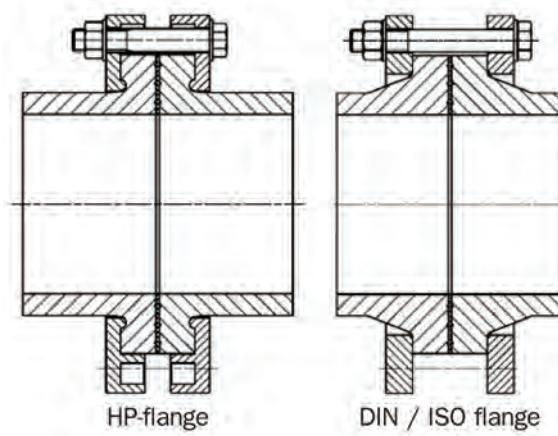
Large diameter fabricated fittings

Working closely with our manufacturing partners, we can supply a comprehensive range of large diameter, fully pressure rated fittings, together with special fabrications, long radius bends and spool pieces.

A selection of the range is featured here and we will be delighted to discuss any specific requirements you may have.



HP - Flange



The HP - flange has been designed for use in high pressure applications, and is particularly effective in larger diameters.

The uniquely designed collar and backing ring ensure that distortion of the flange face is eliminated, ensuring leak free joints.



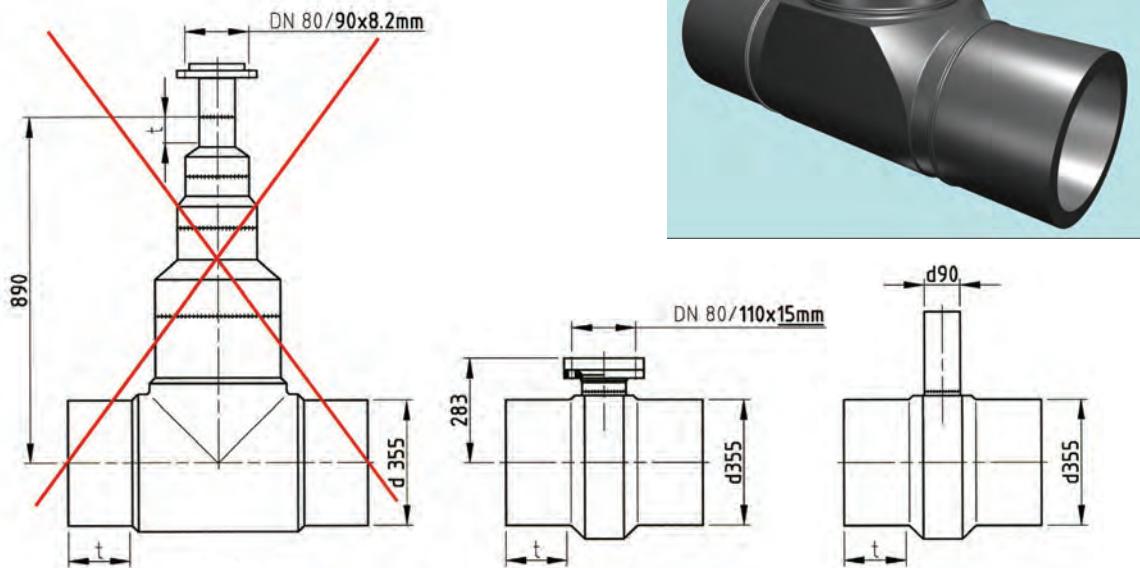
Free Training

We can provide free installer training either on site or at our bespoke training facility.

Contact our sales office on:

0800 975 79 71

Large diameter fabricated fittings

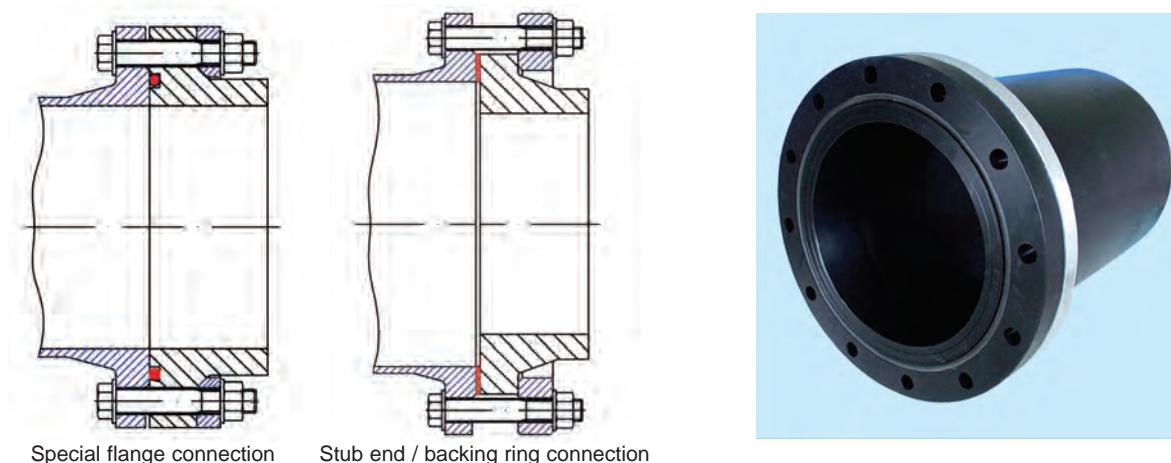


Large diameter tees are manufactured up to 1600mm in all pressure ratings.

Manufactured from hollow bar they can be produced with equal or reduced branches. Branches can be either long spigot or flanged as required.

Eliminating the need for a series of reducers, large branch reductions can be achieved with an extremely small footprint.

Special Flange



Special flanges are full face flanges with nominal bores equivalent to cast iron or steel pipes. This design eliminates misalignment of the bore due to differing wall thickness.

The integrated o-ring ensures a tight, leak free joint while the long spigot design allows connection by either butt or electrofusion welding.

The flanges are supplied with either steel or cast iron backing rings.

pipe and fittings

Electrically
conductive
grade

Pipe PEHD - ESD el



6

PN3.2/S-16/SDR33			PN6/S-8.3/SDR17		PN10/S-5/SDR11	
Size	Code	Price	Code	Price	Code	Price
32	-	-	-	-	28.705.0032.11	21.64
40	-	-	-	-	28.705.0040.11	34.43
50	-	-	-	-	28.705.0050.11	52.61
63	-	-	-	-	28.705.0063.11	83.50
75	-	-	-	-	28.705.0075.11	116.32
90	-	-	28.705.0090.17	109.15	28.705.0090.11	166.98
110	28.705.0110.33	91.94	28.705.0110.17	163.10	28.705.0110.11	248.81
125	28.705.0125.33	119.86	28.705.0125.17	209.55	28.705.0125.11	320.95
160	28.705.0160.33	191.98	28.705.0160.17	342.73	28.705.0160.11	527.90
180	28.705.0180.33	242.01	28.705.0180.17	432.04	28.705.0180.11	664.33
200	28.705.0200.33	301.11	28.705.0200.17	534.40	28.705.0200.11	820.23
225	28.705.0225.33	378.44	28.705.0225.17	675.66	28.705.0225.11	1039.52
250	28.705.0250.33	467.75	28.705.0250.17	834.89	28.705.0250.11	1275.05
315	28.705.0315.33	740.70	28.705.0315.17	1320.54	28.705.0315.11	2027.04
400	28.705.0400.33	1184.11	-	-	-	-

Standard length 5m

Please note that a transportation surcharge may be applied on pipe diameters 250mm or larger - please enquire for details.

Tee 90°



PN3.2			PN6		PN10	
Size	Code	Price	Code	Price	Code	Price
32	-	-	-	-	28.006.0032.11	11.34
40	-	-	-	-	28.006.0040.11	17.07
50	-	-	-	-	28.006.0050.11	23.17
63	-	-	-	-	28.006.0063.11	36.15
75	-	-	-	-	28.006.0075.11	72.54
90	-	-	-	-	28.006.0090.11	108.18
110	-	-	28.006.0110.17	135.08	28.006.0110.11	158.76
125	-	-	28.006.0125.17	187.67	28.006.0125.11	218.56
160	-	-	28.006.0160.17	416.18	28.006.0160.11	466.05
180	-	-	28.006.0180.17	510.88	28.006.0180.11	599.41
200	-	-	28.006.0200.17	667.94	28.006.0200.11	813.72
225	-	-	28.006.0225.17	817.43	28.006.0225.11	1020.59
250	-	-	28.006.0250.17	1084.12	28.006.0250.11	1295.95
315	-	-	28.006.0315.17	1632.39	28.006.0315.11	2487.22

Free Training

We can provide free installer training either on site or at our bespoke training facility.

Contact our sales office on:

0800 975 79 71

Bend 90°



PN3.2

Size	Code	Price
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	-	-
125	-	-
160	-	-
180	-	-
200	-	-
225	-	-
250	-	-
315	-	-

PN6

Code	Price
-	-
-	-
-	-
-	-
-	-
28.001.0110.17	100.20
28.001.0125.17	127.83
28.001.0160.17	204.11
28.001.0180.17	252.99
28.001.0200.17	313.99
28.001.0225.17	385.04
28.001.0250.17	650.46
28.001.0315.17	1170.08

PN10

Code	Price
28.001.0032.11	11.61
28.001.0040.11	15.07
28.001.0050.11	18.95
28.001.0063.11	27.16
28.001.0075.11	37.38
28.001.0090.11	54.09
28.001.0110.11	84.49
28.001.0125.11	144.79
28.001.0160.11	236.02
28.001.0180.11	280.39
28.001.0200.11	417.43
28.001.0225.11	498.41
28.001.0250.11	955.77
28.001.0315.11	1542.67

Reducer

Concentric



Size	Code	Price
63x16	-	-
110x63	-	-
160x110	-	-
225x160	-	-
315x225	-	-

Code	Price
-	-
-	-
28.007.1611.17	152.28
28.007.2216.17	401.27
28.007.3122.17	454.84

Code	Price
28.007.6316.11	20.65
28.007.1163.11	43.38
28.007.1611.11	162.99
28.007.2216.11	442.40
28.007.3122.11	489.71

Stub Flange



Size	Code	Price
32	-	-
40	-	-
50	-	-
63	-	-
75	-	-
90	-	-
110	28.012.0110.33	41.61
125	28.012.0125.33	51.12
160	28.012.0160.33	73.52
180	28.012.0180.33	107.16
200	28.012.0200.33	128.58
225	28.012.0225.33	144.79
250	28.012.0250.33	204.11
315	28.012.0315.33	264.18
355	28.012.0355.33	451.08
400	28.012.0400.33	935.82

Code	Price
-	-
-	-
-	-
-	-
28.012.0110.17	41.61
28.012.0125.17	51.12
28.012.0160.17	73.52
28.012.0180.17	107.16
28.012.0200.17	134.05
28.012.0225.17	150.03
28.012.0250.17	214.07
28.012.0315.17	289.09
-	-
-	-

Code	Price
28.012.0032.11	11.48
28.012.0040.11	13.31
28.012.0050.11	16.84
28.012.0063.11	21.06
28.012.0075.11	24.91
28.012.0090.11	35.62
28.012.0110.11	46.58
28.012.0125.11	55.30
28.012.0160.11	81.52
28.012.0180.11	126.85
28.012.0200.11	139.57
28.012.0225.11	155.00
28.012.0250.11	235.24
28.012.0315.11	304.03
-	-
-	-

Please refer to previous pages for backing rings and gaskets

metric sizes

NEW!



Agru has been at the forefront of innovation and design for over 50 years and were the first European manufacturer to achieve factory mutual (FM) approval for High Density Polyethylene (PE100) pipes and fittings for underground services.

Agru now produces FM approved pipe and fittings from high quality PE100-RC resin. PE100-RC is ideal for buried applications. It has exceptional ductility and crack resistance and will withstand very unfavourable ground conditions. It is also very easy to instal using a simple butt or electro fusion welding technique.

There are 2 complete product ranges from Agru; FM1613 for 218psi (15 bar, SDR11) and for 250psi (17.5 bar, SDR9)

IPS can supply the complete range of Agru FM approved piping systems, together with documentation and welding equipment for butt and electrofusion jointing.

Comprehensive welder training is readily available by contacting our sales office on tel: 0800 975 7971.

6

PE100-RC

FM218 PN15

Size	Code	Price
63	70.705.0063.11FM	16.97
75	70.705.0075.11FM	23.63
90	70.705.0090.11FM	33.89
110	70.705.0110.11FM	50.55
125	70.705.0125.11FM	65.06
140	70.705.0140.11FM	81.46
160	70.705.0160.11FM	107.19
180	70.705.0180.11FM	134.75
200	70.705.0200.11FM	198.25
225	70.705.0225.11FM	210.11
250	70.705.0250.11FM	259.80
280	70.705.0280.11FM	324.27
315	70.705.0315.11FM	411.78
355	70.705.0355.11FM	522.22
400	70.705.0400.11FM	661.55
450	70.705.0450.11FM	on application
500	70.705.0500.11FM	on application
560	70.705.0560.11FM	on application
630	70.705.0630.11FM	on application

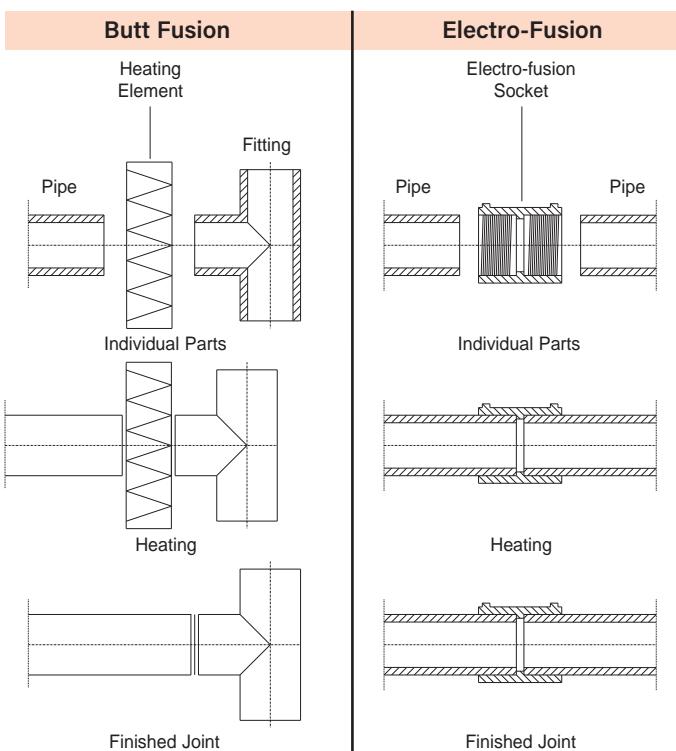
FM250 17.5 bar prices available on request.

Standard lengths 6m and 12 m

Please note that a transportation surcharge may be applied on pipe diameters 250mm or larger - please enquire for details.

Jointing FM Approved Polyethylene Systems

PE pipe to pipe and pipe to fitting joints are easy to make, using butt fusion or electrofusion welds.



Welding equipment is available for sale or hire - see Tools and Installation Equipment.
Detailed installation instructions, as well as free training, is available on request.

FM 1613 approved PE100-RC electrofusion fittings



Electrofusion Coupling



Size	Code	Price
63	70.173.0063.11FM	19.22
75	70.173.0075.11FM	27.41
90	70.173.0090.11FM	36.56
110	70.173.0110.11FM	43.95
125	70.173.0125.11FM	61.78
140	70.173.0140.11FM	69.58
160	70.173.0160.11FM	85.18
180	70.173.0180.11FM	122.18
200	70.173.0200.11FM	144.32
225	70.173.0225.11FM	185.90
250	70.173.0250.11FM	273.96
280	70.173.0280.11FM	370.18
315	70.173.0315.11FM	446.58
355	70.173.0355.11FM	816.38
400	70.173.0400.11FM	1023.65

Electrofusion Tee 90°

Fusion Spigot Branch



Size	Code	Price
63	70.176.0063.11FM	44.24
75	70.176.0075.11FM	64.28
90	70.176.0090.11FM	78.88
110	70.176.0110.11FM	126.41
125	70.176.0125.11FM	159.17
160	70.176.0160.11FM	294.84
180	70.176.0180.11FM	on application
225	70.176.0225.11FM	804.08

Electrofusion Elbow 90°



Size	Code	Price
63	70.171.0063.11FM	44.24
75	70.171.0075.11FM	63.34
90	70.171.0090.11FM	78.88
110	70.171.0110.11FM	126.41
125	70.171.0125.11FM	159.17
160	70.171.0160.11FM	294.84
180	70.171.0180.11FM	on application
225	70.171.0225.11FM	804.08

Electrofusion Elbow 45°



Size	Code	Price
63	70.170.0063.11FM	44.24
75	70.170.0075.11FM	63.34
90	70.170.0090.11FM	78.88
110	70.170.0110.11FM	126.52
125	70.170.0125.11FM	159.17
160	70.170.0160.11FM	294.84
180	70.170.0180.11FM	530.74
225	70.170.0225.11FM	804.08

Electrofusion Reducer



Size	Code	Price
90x63	70.177.9063.11FM	59.46
110x63	70.177.1163.11FM	96.92
110x90	70.177.1190.11FM	96.92
125x90	70.177.1290.11FM	on application
160x90	70.177.1690.11FM	169.01
160x110	70.177.1611.11FM	173.32
180x125	70.177.1812.11FM	on application
225x160	70.177.2216.11FM	393.37

Electrofusion Cap



Size	Code	Price
63	70.174.0063.11FM	38.40
75	70.174.0075.11FM	60.73
90	70.174.0090.11FM	85.79
110	70.174.0110.11FM	110.08
125	70.174.0125.11FM	135.28
140	70.174.0140.11FM	177.55
160	70.174.0160.11FM	190.02
180	70.174.0180.11FM	249.53
200	70.174.0200.11FM	295.02
225	70.174.0225.11FM	347.76
250	70.174.0250.11FM	559.37
280	70.174.0280.11FM	768.57
315	70.174.0315.11FM	955.95

Automatic Electrofusion Welding Machine

- Barcode or manual entry
- Welding is fully monitored throughout



- Illuminated display
- Fault messages displayed plus warning signal
- Memory records weld information
- USB Port for data output
- 110v (230v available on request)

Available for sale or hire

FM 1613 approved PE100-RC fusion spigot fittings

Tee 90°

Short Spigot



PN15

Size	Code	Price
63	70.006.0063.11FM	17.99
75	70.006.0075.11FM	36.20
90	70.006.0090.11FM	54.06
110	70.006.0110.11FM	79.40
125	70.006.0125.11FM	109.31
140	70.006.0140.11FM	138.52
160	70.006.0160.11FM	233.04
180	70.006.0180.11FM	298.63
200	70.006.0200.11FM	428.11
225	70.006.0225.11FM	509.02
250	70.006.0250.11FM	647.59
280	70.006.0280.11FM	872.33
315	70.006.0315.11FM	1243.77
355	70.006.0355.11FM	1453.59
400	70.006.0400.11FM	2170.43

Tee 90°

Elongated



Size

Size	Code	Price
63	70.066.0063.11FM	24.22
75	70.066.0075.11FM	40.23
90	70.066.0090.11FM	57.20
110	70.066.0110.11FM	83.69
125	70.066.0125.11FM	114.89
140	70.066.0140.11FM	184.62
160	70.066.0160.11FM	239.57
180	70.066.0180.11FM	314.37
200	70.066.0200.11FM	450.54
225	70.066.0225.11FM	535.21
250	70.066.0250.11FM	691.06
280	70.066.0280.11FM	1033.40
315	70.066.0315.11FM	1327.09

Reducing Tee 90°



PN15

Size	Code	Price
125x63	70.016.1263.11FM	105.62
125x90	70.016.1290.11FM	105.61
140x63	70.016.1463.11FM	132.50
140x90	70.016.1490.11FM	134.67
140x110	70.016.1411.11FM	134.67
160x125	70.016.1612.11FM	223.44
180x63	70.016.1863.11FM	277.42
180x110	70.016.1811.11FM	277.42
180x125	70.016.1812.11FM	286.33
225x125	70.016.2212.11FM	483.05
250x110	70.016.2511.11FM	637.55
250x160	70.016.2516.11FM	650.72

Reducing Tee 90°

Elongated



Size

Size	Code	Price
63x50	70.065.6350.11FM	25.28
90x63	70.065.9063.11FM	56.41
110x63	70.065.1163.11FM	83.65
110x90	70.065.1190.11FM	84.84
125x90	70.065.1290.11FM	116.35
125x110	70.065.1211.11FM	116.35
160x63	70.065.1663.11FM	228.72
160x90	70.065.1690.11FM	230.68
160x110	70.065.1611.11FM	236.50
180x90	70.065.1890.11FM	317.09
180x110	70.065.1811.11FM	309.51
180x160	70.065.1816.11FM	317.08
225x90	70.065.2290.11FM	536.07
225x110	70.065.2211.11FM	538.21
225x160	70.065.2216.11FM	540.14
225x180	70.065.2218.11FM	542.00
315x110	70.065.3111.11FM	1459.80
315x160	70.065.3116.11FM	1459.80
315x225	70.065.3122.11FM	1526.11
315x250	70.065.3125.11FM	1526.11



Pressure Ratings

FM1613: 218 - 15 bar

FM1613: 250 - 17.5 bar at 20°C.

FM 1613 approved PE100-RC fusion spigot fittings

Reducer

Concentric



PN15

Size	Code	Price
90x63	70.009.9063.11FM	29.42
110x63	70.009.1163.11FM	37.39
110x90	70.009.1190.11FM	37.39
125x63	70.009.1263.11FM	48.05
125x90	70.009.1290.11FM	48.05
125x110	70.009.1211.11FM	48.05
140x90	70.009.1490.11FM	58.14
140x110	70.009.1411.11FM	58.14
140x125	70.009.1412.11FM	67.98
160x90	70.009.1690.11FM	67.98
160x110	70.009.1611.11FM	67.98
160x125	70.009.1612.11FM	67.98
160x140	70.009.1614.11FM	67.98
180x90	70.009.1890.11FM	106.76
180x110	70.009.1811.11FM	100.52
180x125	70.009.1812.11FM	92.69
180x140	70.009.1814.11FM	88.01
180x160	70.009.1816.11FM	83.96
225x140	70.009.2214.11FM	287.29
225x160	70.009.2216.11FM	246.61
225x180	70.009.2218.11FM	234.82
250x160	70.009.2516.11FM	329.23
250x180	70.009.2518.11FM	304.65
250x225	70.009.2522.11FM	265.79
280x200	70.009.2820.11FM	383.56
280x225	70.009.2822.11FM	357.61
280x250	70.009.2825.11FM	344.32
315x225	70.009.3122.11FM	413.97
315x250	70.009.3125.11FM	378.39

Cap

Elongated



PN15

Size	Code	Price
63	70.064.0063.11FM	17.95
75	70.064.0075.11FM	27.64
90	70.064.0090.11FM	42.18
110	70.064.0110.11FM	57.20
125	70.064.0125.11FM	61.79
140	70.064.0140.11FM	77.29
160	70.064.0160.11FM	86.61
180	70.064.0180.11FM	112.56
200	70.064.0200.11FM	140.91
225	70.064.0225.11FM	167.45
250	70.064.0250.11FM	250.85
280	70.064.0280.11FM	355.37
315	70.064.0315.11FM	479.13

Cap

Short Spigot

Size	Code	Price
355	70.004.0355.11FM	356.34
400	70.004.0400.11FM	479.13

Reducer

Concentric - Elongated



Size	Code	Price
90x63	70.067.9063.11FM	30.03
110x63	70.067.1163.11FM	40.42
110x90	70.067.1190.11FM	40.42
125x63	70.067.1263.11FM	48.53
125x90	70.067.1290.11FM	48.53
125x110	70.067.1211.11FM	48.59
140x125	70.067.1412.11FM	69.84
160x90	70.067.1690.11FM	93.24
160x110	70.067.1611.11FM	93.52
160x125	70.067.1612.11FM	93.52
160x140	70.067.1614.11FM	90.44
180x125	70.067.1812.11FM	121.19
180x160	70.067.1816.11FM	121.19
225x160	70.067.2216.11FM	213.64
250x160	70.067.2516.11FM	288.89
250x225	70.067.2522.11FM	302.19
280x250	70.067.2825.11FM	402.71
315x225	70.067.3122.11FM	518.13
315x250	70.067.3125.11FM	518.13

Machine Hire

Don't have the tools?
We have a dedicated fleet of welding equipment available to hire on a weekly basis.



FM 1613 approved PE100-RC fusion spigot fittings

Bend 90°



PN15

Size	Code	Price
250	70.001.0250.11FM	478.30
280	70.001.0280.11FM	619.60
315	70.001.0315.11FM	858.51
355	70.001.0355.11FM	1255.81
400	70.001.0400.11FM	1724.59

Multi-Bend 90°

Elongated



Size	Code	Price
63	70.068.0063.11FM	15.89
75	70.068.0075.11FM	21.88
90	70.068.0090.11FM	31.78
110	70.068.0110.11FM	60.46
125	70.068.0125.11FM	85.18
140	70.068.0140.11FM	113.91
160	70.068.0160.11FM	138.78
180	70.068.0180.11FM	164.35
200	70.068.0200.11FM	244.87
225	70.068.0225.11FM	292.05

Elbow 90°

Elongated



Size	Code	Price
250	70.061.0250.11FM	506.48
280	70.061.0280.11FM	762.62

315 70.061.0315.11FM 956.91

Elbow 45°

Elongated



Size	Code	Price
63	70.060.0063.11FM	26.31
75	70.060.0075.11FM	33.94
90	70.060.0090.11FM	40.95
110	70.060.0110.11FM	78.52
125	70.060.0125.11FM	96.99
140	70.060.0140.11FM	126.89
160	70.060.0160.11FM	146.68
180	70.060.0180.11FM	160.56
200	70.060.0200.11FM	219.46
225	70.060.0225.11FM	261.49
250	70.060.0250.11FM	506.48
280	70.060.0280.11FM	762.60
315	70.060.0315.11FM	956.91

Bend 60°

Elongated



PN15

Size	Code	Price
90	70.398.0090.11FM	
110	70.398.0110.11FM	
125	70.398.0125.11FM	
140	70.398.0140.11FM	
160	70.398.0160.11FM	
180	70.398.0180.11FM	on application
200	70.398.0200.11FM	
225	70.398.0225.11FM	
250	70.398.0250.11FM	
280	70.398.0280.11FM	
315	70.398.0315.11FM	

Bend 45°

Elongated



Size	Code	Price
90	70.397.0090.11FM	114.27
110	70.397.0110.11FM	217.52
125	70.397.0125.11FM	on application
140	70.397.0140.11FM	on application
160	70.397.0160.11FM	322.62
180	70.397.0180.11FM	389.97
200	70.397.0200.11FM	on application
225	70.397.0225.11FM	499.60
250	70.397.0250.11FM	781.43
280	70.397.0280.11FM	on application
315	70.397.0315.11FM	on application

Bend 30°

Elongated



Size	Code	Price
90	70.396.0090.11FM	114.27
110	70.396.0110.11FM	217.52
125	70.396.0125.11FM	on application
140	70.396.0140.11FM	on application
160	70.396.0160.11FM	345.08
180	70.396.0180.11FM	389.97
200	70.396.0200.11FM	on application
225	70.396.0225.11FM	499.60
250	70.396.0250.11FM	759.51
280	70.396.0280.11FM	on application
315	70.396.0315.11FM	on application

Bend 22°

Elongated



Size	Code	Price
90	70.395.0090.11FM	114.27
110	70.395.0110.11FM	217.52
125	70.395.0125.11FM	on application
140	70.395.0140.11FM	on application
160	70.395.0160.11FM	322.62
180	70.395.0180.11FM	389.97
200	70.395.0200.11FM	on application
225	70.395.0225.11FM	499.60
250	70.395.0250.11FM	781.43
280	70.395.0280.11FM	on application
315	70.395.0315.11FM	on application

Bend 11°

Elongated



Size	Code	Price
90	70.394.0090.11FM	114.27
110	70.394.0110.11FM	217.52
125	70.394.0125.11FM	on application
140	70.394.0140.11FM	on application
160	70.394.0160.11FM	322.62
180	70.394.0180.11FM	389.97
200	70.394.0200.11FM	on application
225	70.394.0225.11FM	499.60
250	70.394.0250.11FM	781.43
280	70.394.0280.11FM	on application
315	70.394.0315.11FM	on application

FM 1613 approved PE100-RC fusion spigot fittings

Stub Flange



PN15

Size	Code	Price
63	70.012.0063.11FM	10.54
75	70.012.0075.11FM	12.42
90	70.012.0090.11FM	17.81
110	70.012.0110.11FM	22.91
125	70.012.0125.11FM	27.63
140	70.012.0140.11FM	32.32
160	70.012.0160.11FM	40.71
180	70.012.0180.11FM	63.26
200	70.012.0200.11FM	69.62
225	70.012.0225.11FM	77.57
250	70.012.0250.11FM	117.72
280	70.012.0280.11FM	128.29
315	70.012.0315.11FM	151.55
355	70.012.0355.11FM	269.02
400	70.012.0400.11FM	529.98

Stub Flange

Elongated



Size Code Price

63	70.062.0063.11FM	14.20
75	70.062.0075.11FM	18.44
90	70.062.0090.11FM	23.96
110	70.062.0110.11FM	30.58
125	70.062.0125.11FM	37.24
140	70.062.0140.11FM	48.02
160	70.062.0160.11FM	54.89
180	70.062.0180.11FM	84.56
200	70.062.0200.11FM	96.48
225	70.062.0225.11FM	103.88
250	70.062.0250.11FM	159.75
280	70.062.0280.11FM	241.18
315	70.062.0315.11FM	307.06

Stub Flange

To adapt to cast iron flanges



Size Code Price

63	70.912.0063.11FM	
90	70.912.0090.11FM	
110	70.912.0110.11FM	
125	70.912.0125.11FM	
140	70.912.0140.11FM	
160	70.912.0160.11FM	
180	70.912.0180.11FM	on application
225	70.912.0225.11FM	
250	70.912.0250.11FM	
280	70.912.0280.11FM	
315	70.912.0315.11FM	
355	70.912.0355.11FM	
400	70.912.0400.11FM	

Backing Ring

Polypropylene with Steel Core



PN10

Size	Code	Price
63	14.014.0063.11*	28.06
75	14.014.0075.11*	31.16
90	14.014.0090.11*	36.82
110	14.014.0110.11*	43.76
125	14.014.0125.11*	43.76
140	14.014.0140.11*	67.40
160	14.014.0160.11*	77.19
180	14.014.0180.11*	77.19
200	14.014.0200.11*	109.89
225	14.014.0225.11*	109.89
250	14.014.0250.11*	175.48
280	14.014.0280.11*	175.48
315	14.014.0315.11*	220.50
355	14.014.0355.11*	464.45
400	14.014.0400.11*	526.19

*Black

6

Blind Flange

Polypropylene with steel insert



PN10

Size	Code	Price
63	14.045.0063.11	112.68
75	14.045.0075.11	131.88
90	14.045.0090.11	145.19
110	14.045.0110.11	198.18
125	14.045.0125.11	198.18
140	14.045.0140.11	243.56
160	14.045.0160.11	307.26
180	14.045.0180.11	307.26
200	14.045.0200.11	341.87
225	14.045.0225.11	341.87
250	14.045.0250.11	446.85
280	14.045.0280.11	446.85
315	14.045.0315.11	651.70
355	14.045.0355.11	1272.70
400	14.045.0400.11	1454.50

Backing Ring

Polypropylene with Steel Core



PN16

Size	Code	Price
200	14.014.1200.11	169.83
225	14.014.1225.11	169.83
250	14.014.1250.11	252.67
280	14.014.1280.11	252.68
315	14.014.1315.11	288.54
355	14.014.1355.11	574.09
400	11.014.1400.11	634.47



Connection to other materials

Connecting to metal pipe systems, particularly cast or ductile iron, requires care as the pipe diameters differ widely. We can advise on the selection of the correct flange components.