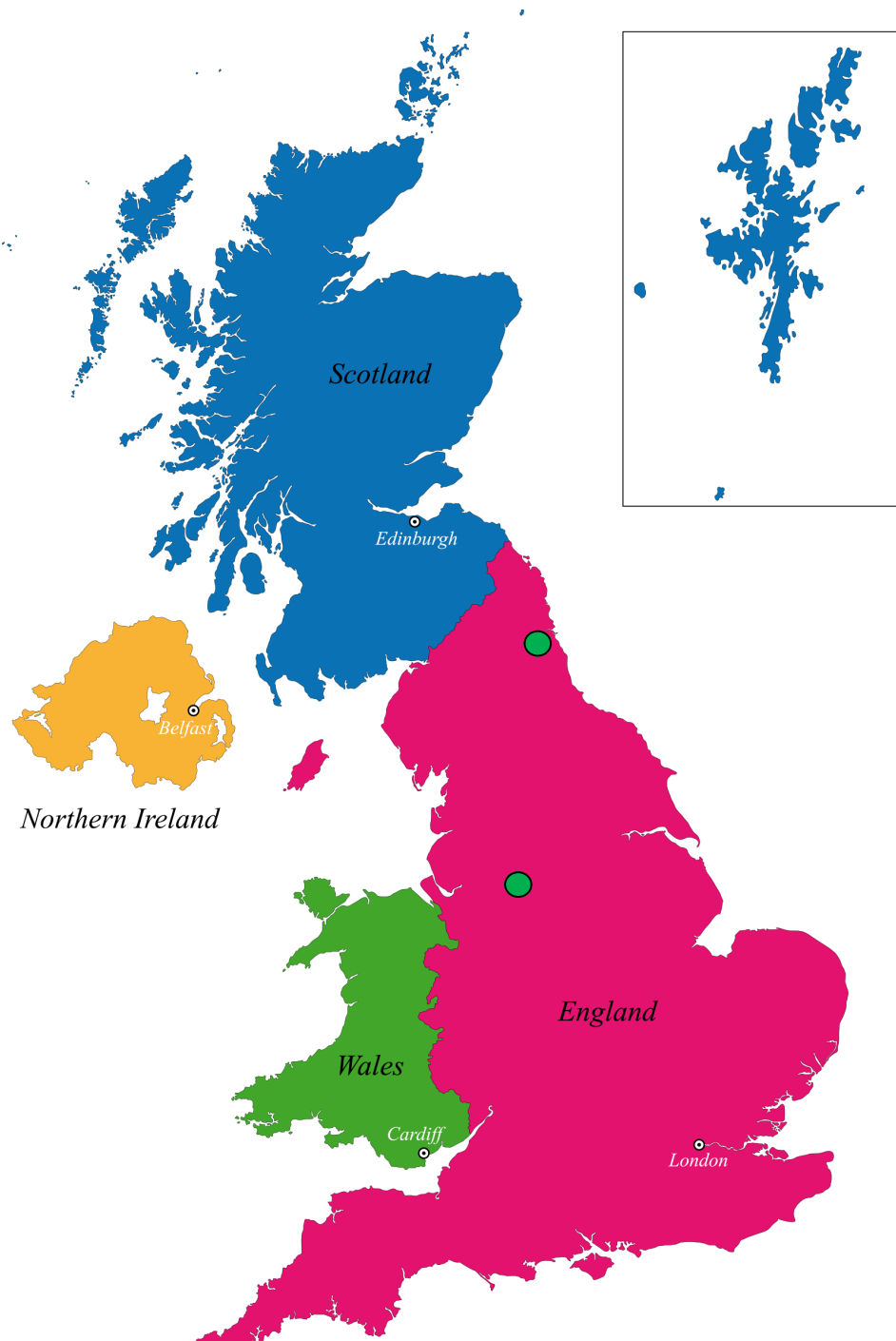


Products guide March 2017



Network



● Current branches

North East—Newcastle—Tel: 0191 695 8261

Covering: Northumberland, Tyne & Wear, Durham, Cleveland, Cumbria, North Yorkshire, Humberside, Scotland

North West—Rochdale—Tel: 01706 599 321

Covering: Lancashire, Greater Manchester, West Yorkshire, South Yorkshire, Nottinghamshire, Derbyshire, Cheshire, West Midlands, East Midlands, Wales, South West & South East

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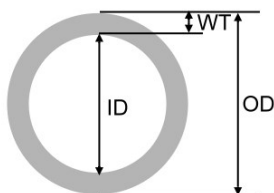
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PE Pipe dimensions



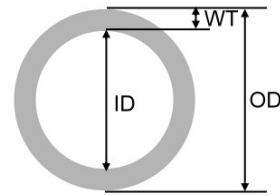
PE pipe dimensions for sizes up to 1000mm with pressure ratings from PN5 to PN25 in accordance with BS EN 12201:2011/2012

	PN5 SDR33			PN6 SDR26			PN8 SDR21			PN10 SDR17		
O/D	W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M
16												
20												
25												
32										2	28	0.13
40										2.4	35.2	0.23
50				2	46	0.31	2.4	45.2	0.37	3	44	0.45
63	2	59	0.39	2.3	58.4	0.46	3	57	0.59	3.8	55.4	0.72
75	2.3	70.4	0.54	2.8	69.4	0.65	3.6	67.8	0.83	4.5	66.6	1.02
90	2.8	84.4	0.78	3.3	83.4	0.93	4.3	81.4	1.19	5.4	79.2	1.46
20												
125	3.9	117.2	1.51	4.6	115.3	1.78	6	113	2.29	7.4	110.2	2.78
140				5.1	129.8	2.22	6.7	126.6	2.85	8.3	123.4	3.48
160	4.9	150.2	2.42	5.8	148.4	2.86	7.7	144.6	3.74	9.5	141	4.55
180				6.6	166.8	3.66	8.6	162.3	6.7	10.7	158.6	5.76
200	6.2	187.6	3.83	7.3	185.4	4.5	9.6	180.8	5.82	11.9	176.2	7.11
225				8.2	208.6	5.88	10.8	203.4	7.36	13.4	198.2	9.01
250	7.7	234.6	5.92	9.1	231.8	7.01	11.9	226.2	9	14.8	220.4	11.05
280				10.2	259.6	8.78	13.4	253.2	11.36	16.6	246.8	13.88
315	9.7	295.6	9.38	11.4	292.2	11.03	15	285	14.32	18.7	277.6	17.57
355				12.9	329.2	14.03	16.9	321.2	18.13	21.1	312.8	22.36
400				14.5	371	17.78	19.1	361.8	23.12	23.7	352.6	28.27
450				16.3	417.4	22.49	21.5	407	29.24	26.7	396.6	35.81
500				18.1	463.8	27.75	23.9	452.2	36.07	29.7	440.6	44.25
560				20.3	519.4	34.82	26.7	506.6	45.15	32.2	495.6	53.87
630				22.9	584.4	43.93	30	570	57.12	37.4	555.2	79.21
710				25.7	658.6	55.8	33.9	642.2	72.62	42.1	625.8	88.08
800				29	742	70.89	38.1	723.8	92.05	47.4	705.2	112.9
900				32.6	834.8	86.69	42.9	814.2	116.5	53.3	793.4	142.9
1000				36.2	927.6	119.7	47.7	904.6	148.8	59.3	881.4	176.6
O/D	W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M

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PE Pipe dimensions

PE pipe dimensions for sizes up to 1000mm with pressure ratings from PN5 to PN25 in accordance with BS EN 12201:2011/2012



Info pages

PN12.5 SDR13.6			PN16 SDR11			PN20 SDR9			PN25 SDR7.4			
W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M	O/D
						2	12	0.09	2.3	11.4	0.1	16
			2	16	0.12	2.3	15.4	0.13	3	14	0.16	20
2	21	0.15	2.3	20.4	0.18	3	19	0.21	3.5	18	0.24	25
2.4	27.2	0.23	3	26	0.28	3.6	24.8	0.33	4.4	23.2	0.38	32
3	34	0.36	3.7	32.6	0.43	4.5	31	0.51	5.5	29	0.6	40
3.7	42.6	0.55	4.6	40.8	0.64	5.6	38.8	0.79	6.9	36.2	0.94	50
4.7	53.6	0.88	5.8	51.4	1	7.1	48.8	1.26	8.6	45.8	1.48	63
5.6	63.8	1.24	6.8	61.4	1.41	8.4	58.2	1.78	10.3	54.4	2.11	75
6.7	76.6	1.78	8.2	73.6	2.14	10.1	69.8	2.56	12.3	65.4	3.02	90
			2	16	0.12	2.3	15.4	0.13	3	14	0.16	20
9.2	106.6	3.39	11.4	102.2	4.11	14	97	4.93	17.1	90.8	5.83	125
10.3	119.4	4.25	12.7	114.6	5.12	15.7	108.6	6.17	19.2	101.6	7.32	140
11.8	136.4	5.55	14.6	130.8	6.73	17.9	124.2	8.06	21.9	116.2	9.54	160
13.3	153.4	7.04	16.4	147.2	8.5	20.1	139.8	10.17	24.6	130.8	12.96	180
14.7	170.6	8.66	18.2	163.6	10.49	22.4	155.2	12.58	27.4	145.2	14.92	200
16.6	191.8	10.97	20.5	184	13.21	25.1	174.8	15.86	30.8	163.4	18.85	225
18.4	213.2	13.57	22.7	204.6	16.32	27.9	194.2	13.56	34.2	181.6	23.24	250
20.6	238.8	16.98	25.4	229.2	20.46	31.3	217.4	24.59	38.3	203.4	29.18	280
23.2	268.6	21.66	28.6	257.8	25.9	35	245	30.96	43.1	228.3	36.94	315
26.1	302.3	27.6	32.3	290.4	32.97	39.5	276	39.34	48.5	258	44.83	355
29.4	341.2	34.5	36.3	327.4	41.8	44.5	311	49.93	54.7	290.6	58.49	400
33.1	383.8	43.1	40.9	368.2	52.86	50	350	63.09	61.5	327	72.25	450
36.8	426.4	53.33	45.4	409.2	65.29	55.8	388.4	78.19				500
41.2	477.6	67.65	50.8	458.4	81.19							560
46.3	537.4	85.51	57.2	515.6	103.6							630
52.2	605.6	108.6										710
58.8	682.4	131.8										800
												900
												1000
W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M	W/T	I/D	KG/M	O/D

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Flange dimensions DIN NP16

Size DN	Flange OD	PCD	NO. BOLTS	DIA. BOLTS	DIA. HOLES
15	95	65	4	m12	14
20	105	75	4	m12	14
25	115	85	4	m12	14
32	140	100	4	m16	18
40	150	110	4	m16	18
50	165	125	4	m16	18
65	184	145	4	m16	18
80	200	160	8	m16	18
100	220	180	8	m16	18
125	250	210	8	m16	18
150	285	240	8	m20	22
175	315	270	8	m20	22
200	340	295	12	m20	22
250	405	355	12	m24	26
300	460	410	12	m24	26
350	520	470	16	m24	26
400	580	525	16	m27	30
450	640	585	20	m27	30
500	715	650	20	m30	33
600	840	770	20	m33	36
700	910	840	24	m33	36
800	1025	950	24	m36	39
900	1125	1050	28	m36	39
1000	1255	1170	28	m39	42

Useful conversions

LENGTH

ft x 0.305 = M

M x 3.28 = ft

in x 25.4 = mm

mm x 0.039 = in

VOLUME

Ft³ x 0.028 = M³

M³ x 35.31 = ft³

UK Gallon x 4.546 = Litre

Litre x 0.22 = UK Gallon

US Gallon x 3.785 = Litre

Litre x 0.2642 = US Gallon

WEIGHT

lb x 0.45 = Kg

Kg x 2.2 = lb

PRESSURE

psi x 0.069 = Bar

Bar x 14.5 = psi

psi x 6.89 = kPa(KN/M²)

kPa(KN/M²) x 0.145 = psi

Bar x 100 = kPa(KN/M²)

kPa(KN/M²) x 0.01 = Bar

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PIPE BLUE MDPE COILS

Size mm	Code	UoM
20	PBLU20C	M
25	PBLU25C	M
32	PBLU32C	M
50	PBLU50C	M
63	PBLU63C	M

25m, 50m, or 100m coils



PIPE BLACK MDPE COILS

Size mm	Code	UoM
20	PBLK20C	M
25	PBLK25C	M
32	PBLK32C	M
50	PBLK50C	M
63	PBLK63C	M

25m, 50m, or 100m coils



PIPE BLUE SDR17 (10 bar)

Size mm	Code	UoM
90	PBLU90S17	M
110	PBLU110S17	M
125	PBLU125S17	M
160	PBLU160S17	M
180	PBLU180S17	M
225	PBLU225S17	M
250	PBLU250S17	M
280	PBLU280S17	M
315	PBLU315S17	M
355	PBLU355S17	M



PIPE BLACK SDR17 (10 bar)

Size mm	Code	UoM
90	PBLK90S17	M
110	PBLK110S17	M
125	PBLK125S17	M
160	PBLK160S17	M
180	PBLK180S17	M
225	PBLK225S17	M
250	PBLK250S17	M
280	PBLK280S17	M
315	PBLK315S17	M
355	PBLK355S17	M

Blue and Black PE100 SDR17 .. 90mm to 355mm available in 6m or 12m lengths

Blue and Black PE100 SDR17 .. 90mm to 180mm available in 50m or 100m coils



Information

We can supply PE Water pipe in all available pressure ratings and in sizes upto 1200mm



PIPE BLUE SDR11 (16 bar)

Size mm	Code	UoM
90	PBLU90S11	M
110	PBLU110S11	M
125	PBLU125S11	M
160	PBLU160S11	M
180	PBLU180S11	M
225	PBLU225S11	M
250	PBLU250S11	M
280	PBLU280S11	M
315	PBLU315S11	M
355	PBLU355S11	M



PIPE BLACK SDR11 (16 bar)

Size mm	Code	UoM
90	PBLK90S11	M
110	PBLK110S11	M
125	PBLK125S11	M
160	PBLK160S11	M
180	PBLK180S11	M
225	PBLK225S11	M
250	PBLK250S11	M
280	PBLK280S11	M
315	PBLK315S11	M
355	PBLK355S11	M

Blue and Black PE100 SDR11 .. 90mm to 355mm available in 6m or 12m lengths

Blue and Black PE100 SDR11 .. 90mm to 180mm available in 50m or 100m coils



COUPLER BLACK EF

Size mm	Code	UoM
20	CBKM20	U
25	CBKM25	U
32	CBKM32	U
50	CBKM50	U
63	CBKM63	U
90	CBKM90	U
110	CBKM110	U
125	CBKM125	U
160	CBKM160	U
180	CBKM180	U



REDUCER BLACK EF

Size mm	Code	UoM
25x20	RBKM25X20	U
32x20	RBKM32X20	U
32x25	RBKM32X25	U
63x32	RBKM63X32	U
63x50	RBKM63X50	U
90x63	RBKM90X63	U
110x90	RBKM110X90	U
125x63	RBKM125X63	U
125x90	RBKM125X90	U
180x125	RBKM180X125	U
250x180	RBKM250X180	U



REDUCER BLACK SPIGOT

Size mm	Code	UoM
63x32	S11R63X32	U
63x50	S11R63X50	U
90x63	S11R90X63	U
110x90	S11R110X90	U
125x90	S11R125X90	U
160x90	S11R160X90	U
180x125	S11R180X125	U



END CAP BLACK EF

Size mm	Code	UoM
20	ECBKM20	U
25	ECBKM25	U
32	ECBKM32	U
50	ECBKM50	U
63	ECBKM63	U
90	ECBKM90	U
110	ECBKM110	U
125	ECBKM125	U
160	ECBKM160	U
180	ECBKM180	U



ELBOW BLACK 45 DEG EF

Size mm	Code	UoM
20	EBKM20X45	U
25	EBKM25X45	U
32	EBKM32X45	U
50	EBKM50X45	U
63	EBKM63X45	U
90	EBKM90X45	U
110	EBKM110X45	U
125	EBKM125X45	U
160	EBKM160X45	U
180	EBKM180X45	U



ELBOW BLACK EF 90 deg

Size mm	Code	UoM
20	EBKM20X90	U
25	EBKM25X90	U
32	EBKM32X90	U
50	EBKM50X90	U
63	EBKM63X90	U
90	EBKM90X90	U
110	EBKM110X90	U
125	EBKM125X90	U
160	EBKM160X90	U
180	EBKM180X90	U



TEE BLACK EF

Size mm	Code	UoM
20	ETBKM20	U
25	ETBKM25	U
32	ETBKM32	U
50	ETBKM50	U
63	ETBKM63	U
90	ETBKM90	U
110	ETBKM110	U
125	ETBKM125	U
160	ETBKM160	U
180	ETBKM180	U



BRANCH SADDLE EF

Size mm	Code	UoM
90x90	BS90X90	U
110x90	BS110X90	U
125x90	BS125X90	U
160x90	BS160X90	U
180x90	BS180X90	U
200x90	BS200X90	U
225x90	BS225X90	U
250x90	BS250X90	U
180x110	BS180X110	U
180x125	BS180X125	U



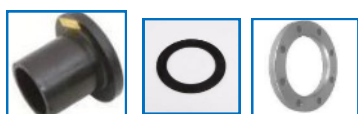
DUCK FOOT KIT EF

Size mm	Code	UoM
63x80	S17DK63X80	U
90x80	S17DK90X80	U
110x80	S17DK110X80	U
125x80	S17DK125X80	U
160x80	S17DK160X80	U
180x80	S17DK180X80	U



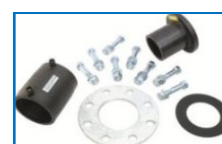
TAPPING TEE UNIFIT EF

Size mm	Code	UoM
63 & 2"x32	ETT63X32	U
90 & 3"x32	ETT90X32	U
110-140x63	ETT110X63	U
160-213x63	ETT160X63	U



STUB FLG ASS SDR11

Size mm	Code	UoM
63x50NB	S11SA63	U
90x80NB	S11SA90	U
110x100NB	S11SA110	U
125x100NB	S11SA125	U
160x150NB	S11SA160	U
180x150NB	S11SA180	U



STUB FLG KIT SDR11

Size mm	Code	UoM
63x50NB	S11SK63	U
90x80NB	S11SK90	U
110x100NB	S11SK110	U
125x100NB	S11SK125	U
160x150NB	S11SK160	U
180x150NB	S11SK180	U



MITRED BEND SDR17 90 deg

Size mm	Code	UoM
90	WMB901790	U
110	WMB1101790	U
125	WMB1251790	U
160	WMB1601790	U
180	WMB1801790	U
200	WMB2001790	U
225	WMB2251790	U
250	WMB2501790	U
280	WMB2801790	U
315	WMB3151790	U



MITRED BEND SDR11 90 deg

Size mm	Code	UoM
90	WMB901190	U
110	WMB1101190	U
125	WMB1251190	U
160	WMB1601190	U
180	WMB1801190	U
200	WMB2001190	U
225	WMB2251190	U
250	WMB2501190	U
280	WMB2801190	U
315	WMB3151190	U



MITRED BEND SDR17 45 deg

Size mm	Code	UoM
90	WMB901745	U
110	WMB1101745	U
125	WMB1251745	U
160	WMB1601745	U
180	WMB1801745	U
200	WMB2001745	U
225	WMB2251745	U
250	WMB2501745	U
280	WMB2801745	U
315	WMB3151745	U



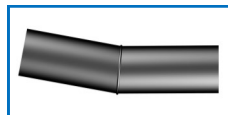
MITRED BEND SDR11 45 deg

Size mm	Code	UoM
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110	WMB1101145	U
125	WMB1251145	U
160	WMB1601145	U
180	WMB1801145	U
200	WMB2001145	U
225	WMB2251145	U
250	WMB2501145	U
280	WMB2801145	U
315	WMB3151145	U



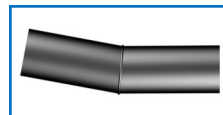
Information

Suitable for Butt Fusion and Electro-Fusion
Other angles and radius available on request



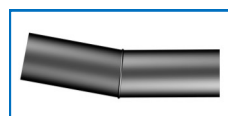
MITRED BEND SDR17 22 deg

Size mm	Code	UoM
90	WMB901722	U
110	WMB1101722	U
125	WMB1251722	U
160	WMB1601722	U
180	WMB1801722	U
200	WMB2001722	U
225	WMB2251722	U
250	WMB2501722	U
280	WMB2801722	U
315	WMB3151722	U



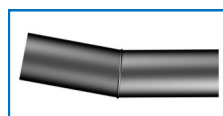
MITRED BEND SDR11 22 deg

Size mm	Code	UoM
90	WMB901122	U
110	WMB1101122	U
125	WMB1251122	U
160	WMB1601122	U
180	WMB1801122	U
200	WMB2001122	U
225	WMB2251122	U
250	WMB2501122	U
280	WMB2801122	U
315	WMB3151122	U



MITRED BEND SDR17 11 deg

Size mm	Code	UoM
90	WMB901711	U
110	WMB1101711	U
125	WMB1251711	U
160	WMB1601711	U
180	WMB1801711	U
200	WMB2001711	U
225	WMB2251711	U
250	WMB2501711	U
280	WMB2801711	U
315	WMB3151711	U



MITRED BEND SDR11 11 deg

Size mm	Code	UoM
90	WMB901111	U
110	WMB1101111	U
125	WMB1251111	U
160	WMB1601111	U
180	WMB1801111	U
200	WMB2001111	U
225	WMB2251111	U
250	WMB2501111	U
280	WMB2801111	U
315	WMB3151111	U



Information

Suitable for Butt Fusion and Electro-Fusion
Other angles and radius available on request



PULLED BEND SDR17 90 deg

Size mm	Code	UoM
90	WPB901790	U
110	WPB1101790	U
125	WPB1251790	U
160	WPB1601790	U
180	WPB1801790	U
200	WPB2001790	U
225	WPB2251790	U
250	WPB2501790	U
280	WPB2801790	U
315	WPB3151790	U



PULLED BEND SDR11 90 deg

Size mm	Code	UoM
90	WPB901190	U
110	WPB1101190	U
125	WPB1251190	U
160	WPB1601190	U
180	WPB1801190	U
200	WPB2001190	U
225	WPB2251190	U
250	WPB2501190	U
280	WPB2801190	U
315	WPB3151190	U



PULLED BEND SDR17 45 deg

Size mm	Code	UoM
90	WPB901745	U
110	WPB1101745	U
125	WPB1251745	U
160	WPB1601745	U
180	WPB1801745	U
200	WPB2001745	U
225	WPB2251745	U
250	WPB2501745	U
280	WPB2801745	U
315	WPB3151745	U



PULLED BEND SDR11 45 deg

Size mm	Code	UoM
90	WPB901145	U
110	WPB1101145	U
125	WPB1251145	U
160	WPB1601145	U
180	WPB1801145	U
200	WPB2001145	U
225	WPB2251145	U
250	WPB2501145	U
280	WPB2801145	U
315	WPB3151145	U



Information

Suitable for Butt Fusion and Electro-Fusion
Other angles and radius available on request



PULLED BEND SDR17 22 deg

Size mm	Code	UoM
90	WPB901722	U
110	WPB1101722	U
125	WPB1251722	U
160	WPB1601722	U
180	WPB1801722	U
200	WPB2001722	U
225	WPB2251722	U
250	WPB2501722	U
280	WPB2801722	U
315	WPB3151722	U



PULLED BEND SDR11 22 deg

Size mm	Code	UoM
90	WPB901122	U
110	WPB1101122	U
125	WPB1251122	U
160	WPB1601122	U
180	WPB1801122	U
200	WPB2001122	U
225	WPB2251122	U
250	WPB2501122	U
280	WPB2801122	U
315	WPB3151122	U



PULLED BEND SDR17 11 deg

Size mm	Code	UoM
90	WPB901711	U
110	WPB1101711	U
125	WPB1251711	U
160	WPB1601711	U
180	WPB1801711	U
200	WPB2001711	U
225	WPB2251711	U
250	WPB2501711	U
280	WPB2801711	U
315	WPB3151711	U



PULLED BEND SDR11 11 deg

Size mm	Code	UoM
90	WPB901111	U
110	WPB1101111	U
125	WPB1251111	U
160	WPB1601111	U
180	WPB1801111	U
200	WPB2001111	U
225	WPB2251111	U
250	WPB2501111	U
280	WPB2801111	U
315	WPB3151111	U



Information

*Suitable for Butt Fusion and Electro-Fusion
Other angles and radius available on request*



ELBOW LS SDR17 90 deg

Size mm	Code	UoM
90	WEL901790	U
110	WEL1101790	U
125	WEL1251790	U
160	WEL1601790	U
180	WEL1801790	U
200	WEL2001790	U
225	WEL2251790	U
250	WEL2501790	U
280	WEL2801790	U
315	WEL3151790	U



ELBOW LS SDR17 45 deg

Size mm	Code	UoM
90	WEL901745	U
110	WEL1101745	U
125	WEL1251745	U
160	WEL1601745	U
180	WEL1801745	U
200	WEL2001745	U
225	WEL2251745	U
250	WEL2501745	U
280	WEL2801745	U
315	WEL3151745	U



ELBOW LS SDR11 90 deg

Size mm	Code	UoM
90	WEL901190	U
110	WEL1101190	U
125	WEL1251190	U
160	WEL1601190	U
180	WEL1801190	U
200	WEL2001190	U
225	WEL2251190	U
250	WEL2501190	U
280	WEL2801190	U
315	WEL3151190	U



ELBOW LS SDR11 45 deg

Size mm	Code	UoM
90	WEL901145	U
110	WEL1101145	U
125	WEL1251145	U
160	WEL1601145	U
180	WEL1801145	U
200	WEL2001145	U
225	WEL2251145	U
250	WEL2501145	U
280	WEL2801145	U
315	WEL3151145	U



Information

Suitable for Electro-Fusion

Fittings can be 'Pupped' to make them suitable for Site Butt Fusion



TEE EQUAL LS SDR17

Size mm	Code	UoM
90	WET9017	U
110	WET11017	U
125	WET12517	U
160	WET16017	U
180	WET18017	U
200	WET20017	U
225	WET22517	U
250	WET25017	U
280	WET28017	U
315	WET31517	U



TEE EQUAL LS SDR11

Size mm	Code	UoM
90	WET9011	U
110	WET11011	U
125	WET12511	U
160	WET16011	U
180	WET18011	U
200	WET20011	U
225	WET22511	U
250	WET25011	U
280	WET28011	U
315	WET31511	U



TEE REDUCED LS SDR17

Size mm	Code	UoM
90x63	WRT906317	U
110x90	WRT1109017	U
125x90	WRT1259017	U
125x110	WRT12511017	U
160x90	WRT1609017	U
160x110	WRT16011017	U
180x90	WRT1809017	U
180x160	WRT18016017	U
200x90	WRT2009017	U
200x110	WRT20011017	U
200x125	WRT20012517	U
200x160	WRT20016017	U
225x90	WRT2259017	U
225x110	WRT22511017	U
225x160	WRT22516017	U
225x180	WRT22518017	U
315x110	WRT31511017	U
315x160	WRT31516017	U
315x225	WRT31522517	U
315x250	WRT31525017	U



TEE REDUCED LS SDR11

Size mm	Code	UoM
90x63	WRT906311	U
110x90	WRT1109011	U
125x90	WRT1259011	U
125x110	WRT12511011	U
160x90	WRT1609011	U
160x110	WRT16011011	U
180x90	WRT1809011	U
180x160	WRT18016011	U
200x90	WRT2009011	U
200x110	WRT20011011	U
200x125	WRT20012511	U
200x160	WRT20016011	U
225x90	WRT2259011	U
225x110	WRT22511011	U
225x160	WRT22516011	U
225x180	WRT22518011	U
315x110	WRT31511011	U
315x160	WRT31516011	U
315x225	WRT31522511	U
315x250	WRT31525011	U



Information

Suitable for Electro-Fusion

Fittings can be 'Pupped' to make them suitable for Site Butt Fusion

Water

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TEE FLANGED BRANCH LS SDR17

Size mm	Code	UoM
90	WFBT9017	U
110	WFBT11017	U
125	WFBT12517	U
160	WFBT16017	U
180	WFBT18017	U
200	WFBT20017	U
225	WFBT22517	U
250	WFBT25017	U
280	WFBT28017	U
315	WFBT31517	U



TEE FLANGED BRANCH LS SDR11

Size mm	Code	UoM
90	WFBT9011	U
110	WFBT11011	U
125	WFBT12511	U
160	WFBT16011	U
180	WFBT18011	U
200	WFBT20011	U
225	WFBT22511	U
250	WFBT25011	U
280	WFBT28011	U
315	WFBT31511	U



TEE ALL FLANGED LS SDR17

Size mm	Code	UoM
90	WAFT9017	U
110	WAFT11017	U
125	WAFT12517	U
160	WAFT16017	U
180	WAFT18017	U
200	WAFT20017	U
225	WAFT22517	U
250	WAFT25017	U
280	WAFT28017	U
315	WAFT31517	U



TEE ALL FLANGED LS SDR11

Size mm	Code	UoM
90	WAFT9011	U
110	WAFT11011	U
125	WAFT12511	U
160	WAFT16011	U
180	WAFT18011	U
200	WAFT20011	U
225	WAFT22511	U
250	WAFT25011	U
280	WAFT28011	U
315	WAFT31511	U



Information

Suitable for Electro-Fusion

Fittings can be 'Pupped' to make them suitable for Site Butt Fusion



STUB FLANGE LS SDR17

Size mm	Code	UoM
90	WSF9017	U
110	WSF11017	U
125	WSF12517	U
160	WSF16017	U
180	WSF18017	U
200	WSF20017	U
225	WSF22517	U
250	WSF25017	U
280	WSF28017	U
315	WSF31517	U



STUB FLANGE LS SDR11

Size mm	Code	UoM
90	WSF9011	U
110	WSF11011	U
125	WSF12511	U
160	WSF16011	U
180	WSF18011	U
200	WSF20011	U
225	WSF22511	U
250	WSF25011	U
280	WSF28011	U
315	WSF31511	U



REDUCER LS SDR17

Size mm	Code	UoM
90x63	WR906317	U
110x90	WR1109017	U
125x90	WR1259017	U
125x110	WR12511017	U
160x90	WR1609017	U
160x110	WR16011017	U
180x90	WR1809017	U
180x160	WR18016017	U
200x90	WR2009017	U
200x110	WR20011017	U
200x125	WR20012517	U
200x160	WR20016017	U
225x90	WR2259017	U
225x110	WR22511017	U
225x160	WR22516017	U
225x180	WR22518017	U
315x110	WR31511017	U
315x160	WR31516017	U
315x225	WR31522517	U
315x250	WR31525017	U



REDUCER LS SDR11

Size mm	Code	UoM
90x63	WR906311	U
110x90	WR1109011	U
125x90	WR1259011	U
125x110	WR12511011	U
160x90	WR1609011	U
160x110	WR16011011	U
180x90	WR1809011	U
180x160	WR18016011	U
200x90	WR2009011	U
200x110	WR20011011	U
200x125	WR20012511	U
200x160	WR20016011	U
225x90	WR2259011	U
225x110	WR22511011	U
225x160	WR22516011	U
225x180	WR22518011	U
315x110	WR31511011	U
315x160	WR31516011	U
315x225	WR31522511	U
315x250	WR31525011	U



Information

Suitable for Electro-Fusion

Fittings can be 'Pupped' to make them suitable for Site Butt Fusion

Water

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PUDDLE FLANGE SDR17 fabricated

Size mm	Disc Dia mm	O/all length mm	Code	UoM
90	190	1000	WPF9017	U
110	210	1000	WPF11017	U
125	225	1000	WPF12517	U
160	260	1000	WPF16017	U
180	280	1000	WPF18017	U
200	300	1000	WPF20017	U
225	325	1000	WPF22517	U
250	350	1000	WPF25017	U
280	380	1000	WPF28017	U
315	415	1000	WPF31517	U



PUDDLE FLANGE SDR11 Fabricated

Size mm	Disc dia mm	O/all length mm	Code	UoM
90	190	1000	WPF9011	U
110	210	1000	WPF11011	U
125	225	1000	WPF12511	U
160	260	1000	WPF16011	U
180	280	1000	WPF18011	U
200	300	1000	WPF20011	U
225	325	1000	WPF22511	U
250	350	1000	WPF25011	U
280	380	1000	WPF28011	U
315	415	1000	WPF31511	U



Information

Suitable for Butt Fusion and Electro-Fusion

Other sizes available on request



PROTECTALINE FERRULE

Size mm	Code	UoM
63x25	PLF63X25	U
63x32	PLF63X32	U
90x25	PLF90X25	U
90x32	PLF63X32	U
110x25	PLF110X25	U
110x32	PLF110X32	U
125x25	PLF125X25	U
125x32	PLF125X32	U
160x25	PLF160X25	U
160x32	PLF160X32	U
180x25	PLF180X25	U
180x32	PLF180X32	U



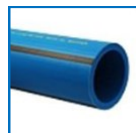
EF/BSP MALE COUPLER

Size mm	Code	UoM
25x3/4"	PLTM25X075	U
32x1"	PLTM32X1	U
50x1 1/2"	PLTM50X05	U
63x1 1/4"	PLTM63X025	U
63x1 1/2"	PLTM63X05	U
63x2"	PLTM63X2	U



EF/BSP FEMALE COUPLER

Size mm	Code	UoM
25x3/4"	PLTF25X075	U
32x1"	PLTF32X1	U
50x1 1/2"	PLTF50X05	U
63x1 1/4"	PLTF63X025	U
63x1 1/2"	PLTF63X05	U
63x2"	PLTF63X2	U



PROTECTALINE BLUE PIPE

Size mm	Code	UoM
25 SDR11	PPL2511	M
32 SDR11	PPL3211	M
63 SDR11	PPL6311	M
90 SDR11	PPL9011	M
110 SDR11	PPL11011	M
125 SDR17	PPL12517	M
160 SDR17	PPL16017	M
180 SDR11	PPL18011	M



POLYGRIP COUPLER

Size mm	Code	UoM
25	PGC25	U
32	PGC32	U
63	PGC63	U



POLYGRIP RED COUPLER

Size mm	Code	UoM
32x25	PGCR32X25	U
63x32	PGCR63X32	U



POLYGRIP PE/COP COUPLER

Size mm	Code	UoM
25x15	PGCC25X15	U
25x22	PGCC25X22	U
32x28	PGCC32X28	U

Water

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POLYGRIP 90 deg ELBOW

Size mm	Code	UoM
25	PG90E25	U
32	PG90E32	U
63	PG90E63	U



ALUMINIUM FOIL TAPE 4"

Size mm	Code	UoM
45m roll	TAF4X45	U



PROTECTALINE STOP COCK

Size mm	Code	UoM
25	PLSC25	U
32	PLSC32	U



PETROLEUM TAPE 4"

Size mm	Code	UoM
10m roll	TPET4X10	U



PE x MALE IRON BSP

Size mm	Code	UoM
25x3/4"	PEMI25X075	U
32x1"	PEMI32X1	U
63x1 1/2"	PEMI63X1.5	U
63x2"	PEMI63X2	U



PE x FEMALE IRON BSP

Size mm	Code	UoM
25x3/4"	PEFI25X075	U
32x1"	PEFI32X1	U
63x2"	PEFI63X2	U



DETECTABLE MESH M/TAPE

Size mm	Code	UoM
Water main	TDW	U
Gas main	TDG	U
Fire main	TDF	U



NON DETECTABLE M/TAPE

Size mm	Code	UoM
Water main	TNDW	U
Gas main	TNDG	U
Fire main	TNDF	U



BS1710-2014 MARKER TAPE, NON MAGNETIC

Size mm	Code	UoM
Potable drinking water main, mains fed	GB-DW	U
Fire hydrant main, tank fed	GBBR-HMTF	U
Process water	GBB-PW	U
Tank infill main, mains fed	GBR-TIMF	U
Fire hydrant main, mains fed	GBR-HM	U
Sprinkler main, tank fed	GBBR-SMTF	U
Rain water harvesting main	RWH	U

WATER GATE VALVE RESILIENT SEAT CAP TOP CC



Size mm	Code	UoM
DN50	VWGR50	U
DN80	VWGR80	U
DN100	VWGR100	U
DN150	VWGR150	U
DN200	VWGR200	U
DN250	VWGR250	U
DN300	VWGR300	U

WATTS FLANGED BACK FLOW PRE- VENTION VALVE



Size mm	Code	UoM
DN50	VWWA50	U
DN80	VWWA80	U
DN100	VWWA100	U
DN150	VWWA150	U
DN200	VWWA200	U
DN250	VWWA250	U
DN300	VWWA300	U



BS TYPE 2 HYDRANT

Size mm	Code	UoM
DN80	VWH80	U



HYDRANT THROUGH BORE

Size mm	Code	UoM
DN80	VWH80TB	U

STOPCOCK BS5433 GUN- METAL FEM/ FEM



Size mm	Code	UoM
3/4"	VWSCBF075	U
1"	VWSCBF1	U
1 1/2"	VWSCBF1.5	U
2"	VWSCBF2	U

DOUBLE CHECK VALVE FEM/ FEM



Size mm	Code	UoM
3/4"	VWDCBF075	U
1"	VWDCBF1	U
1 1/2"	VWDCFB1.5	U
2"	VWDCFB2	U

JET 1/4 TURN BALL VALVE FEM/FEM



Size mm	Code	UoM
3/4"	VWJF075	U
1"	VWJF1	U
1 1/2"	VWJF1.5	U
2"	VWJF2	U

STANDARD FERRULE FEM IRON OUTLET



Size mm	Code	UoM
3/4" x 3/4"	VWFF075	U
1" x 1"	VWFF1	U
1 1/2 x 1 1/2	VWFF1.5	U
2" x 2"	VWFF2	U

SMART JOINT END RESTRAINT FLANGE ADAPTER



Size mm	Code	UoM
To suit pipe 84—105mm OD	WSJFA84	U
To suit pipe 190—133mm OD	WSJFA190	U
To suit pipe 157—182mm OD	WSJFA157	U
To suit pipe 218—242mm OD	WSJFA218	U
To suit pipe 242—268mm OD	WSJFA242	U
To suit pipe 266—291mm OD	WSJFA266	U
To suit pipe 302—327mm OD	WSJFA302	U

SMART JOINT END RESTRAINT COUPLER



Size mm		UoM
To suit pipe 84—105mm OD	WSJC84	U
To suit pipe 190—133mm OD	WSJC190	U
To suit pipe 157—182mm OD	WSJC157	U
To suit pipe 218—242mm OD	WSJC218	U
To suit pipe 242—268mm OD	WSJC242	U
To suit pipe 266—291mm OD	WSJC266	U
To suit pipe 302—327mm OD	WSJC302	U

LINER SDR17 PE PIPE SMART JOINT END FLANGE ADAPTER / COUPLER



Size mm	Code	UoM
90	WL17AC90	U
110	WL17AC110	U
125	WL17AC125	U
160	WL17AC160	U
180	WL17AC180	U
200	WL17AC200	U
225	WL17AC225	U
250	WL17AC250	U
280	WL17AC280	U
315	WL17AC315	U

LINER SDR11 PE PIPE SMART JOINT END FLANGE ADAPTER / COUPLER



Ssize mm	Code	UoM
90	WL11AC90	U
110	WL11AC110	U
125	WL11AC125	U
160	WL11AC160	U
180	WL11AC180	U
200	WL11AC200	U
225	WL11AC225	U
250	WL11AC250	U
280	WL11AC280	U
315	WL11AC315	U

UNIVERSAL MECHANICAL COUPLER



Size mm	Code	UoM
80/3" OD size range 88mm to 103mm	WUC080X3	U
100/4" OD size range 109mm to 128mm	WUC100X4	U
150/6" OD size range 159mm to 182mm	WUC150X6	U
200/8" OD size range 218mm to 235mm	WUC200/8	U

UNIVERSAL MECHANICAL FLANGE
ADAPTER

Size mm	Code	UoM
80/3" OD size range 88mm to 103mm	WUFA080X3	U
100/4" OD size range 109mm to 128mm	WUFA100X4	U
150/6" OD size range 159mm to 182mm	WUFA150X6	U
200/8" OD size range 218mm to 235mm	WUFA200/8	U



BLANK FLANGE NP16

Size mm	Code	UoM
2"/DN50	WBFN162	U
3"/DN80	WBFN163	U
4"/DN100	WBFN164	U
6"/DN150	WBFN166	U
8"/DN200	WBFN168	U
10"/DN250	WBFN1610	U
12"/DN300	WBFN1612	U



FLANGE BOLT & GASKET SET NP16

Size mm	Code	UoM
DN50 M16 x 65mm long	WFG501665	U
DN80 M16 x 65mm long	WFG801665	U
DN80 M16 x 75mm long	WFG801675	U
DN100 M16 x 65mm long	WFG1001665	U
DN100 M16 x 90mm long	WFG1001690	U
DN150 M20 x 70mm long	WFG1502070	U
DN150 M20 x 90mm long	WFG1502090	U
DN150 M20 x 100mm long	WFG1502010	U
DN200 M20 x 70mm long	WFG2002070	U
DN200 M20 x 90mm long	WFG2002090	U
DN200 M20 x 110mm long	WFG2002011	U
DN250 M24 x 90mm long	WFG2502490	U
DN250 M24 x 110mm long	WFG2502411	U
DN300 M24 x 90mm long	WFG3002490	U
DN300 M24 x 150mm long	WFG3002415	U



TEST FLANGE NP16 1" BSP

Size mm	Code	UoM
2"/DN50	WTFBSP250	U
3"/DN80	WTFBSP380	U
4"/DN100	WTFBSP4100	U
6"/DN150	WTFBSP6150	U
8"/DN200	WTFBSP8200	U
10"/DN250	WTFBSP1025	U
12"/DN300	WTFBSP1230	U

SURFACE BOX DUCTILE IRON



Size mm	Code	UoM
150x150 Marked 'SV'	WSBI150SV	U
150 x 150 marked 'W'	WSBI150W	U
225 x 225 marked 'SV'	WSBD225SV	U

SINGLE PIECE COVER DUCTILE IRON



Size mm	Code	UoM
380 x 230 x 125 Marked 'SV'	WSPCDISV	U
380 x 230 x 125 marked 'AV'	WSPCDIAV	U
380 x 230 x 125 marked 'FH'	WSPCDIFH	U
380 x 230 x 125 marked 'WO'	WSPCDIWO	U

ATPLAS BOUNDARY BOX



Size mm	Code	UoM
1/4" Turn SC V/V 25mm PF	WABB14TSC	U
Contaminated land TW-ANG-UU	WABBCLTW	U
25mm Pushfit screwdown valve	WABB25PSV	U
32mm Pushfit screwdown valve	WABB32PSV	U



PLASTIC WALL SECTION

Size mm	Code	UoM
150x150x150	WPWS150	U
230x230x100	WPWS230	U
430x280x75	WPWS43075	U
430x280x150	WPWS43015	U
600x450x65	WPWS60065	U
600x450x150	WPWS60015	U



FOAM PIG (SEALED ENDS)

Size mm	Code	UoM
2"	WFPSE2	U
3"	WFPSE3	U
4"	WFPSE4	U
5"	WFPSE5	U
6"	WFPSE6	U
7"	WFPSE7	U
8"	WFPSE8	U
9"	WFPSE9	U
10"	WFPSE10	U



COMPRESSION FITTINGS SYSTEM



COUPLER PE-PE

Size mm	Code	UoM
20	W101420	U
25	W101425	U
32	W101432	U
50	W101450	U
63	W101463	U
90	W101490	U
110	W1014110	U



REDUCING COUPLER PE-PE

Size mm	Code	UoM
25x20	W100225X20	U
32x20	W100232X20	U
32x25	W100232X25	U
50x25	W100250X25	U
50x32	W100250X32	U
63x25	W100263X25	U
63x32	W100263X32	U
63x50	W100263X50	U
90x63	W100290X63	U
90x75	W100290X75	U
110x90	W1002110X9	U



90 DEG ELBOW PE-PE

Size mm	Code	UoM
20	W100620	U
25	W100625	U
32	W100632	U
50	W100650	U
63	W100663	U
90	W100690	U
110	W1006110	U



EQUAL TEE PE-PE

Size mm	Code	UoM
20	W100520	U
25	W100525	U
32	W100532	U
50	W100550	U
63	W100563	U
90	W100590	U
110	W1005110	U



REDUCING TEE PE-PE

Size mm	Code	UoM
25x20x25	W101325X20	U
32x25x32	W101332X25	U
63x25x63	W101363X25	U
63x32x63	W101363X32	U
63x50x63	W101363X50	U
90x63x90	W101390X63	U
110x90x110	W1013110X9	U



END CAP PE-PE

Size mm	Code	UoM
20	W101220	U
25	W101225	U
32	W101232	U
50	W101250	U
63	W101263	U
90	W101290	U
110	W1013110	U



COUPLER PE-COP/ALC

Size mm	Code	UoM
25x15-22	W103325X15	U
25x21-27	W103325X21	U
25x27-35	W103325X27	U
32x27-35	W103332X27	U



Information

Please contact us to request a brochure covering the complete range of Unidelta compression fittings for PE pipe



COMPRESSION



PIPE INSERTS

Size mm	Code	UoM
20	UPI20	U
25	UPI25	U
32	UPI32	U
50	UPI50	U
63	UPI63	U



MALE ADAPTER PE-BSPM

Size mm	Code	UoM
20x1/2"	100320X0.5	U
25x3/4"	100325X0.75	U
25x1"	100325X1	U
32x3/4"	100332X0.75	U
32x1"	100332X1	U
32x1 1/4"	100332X0.25	U
50x1 1/2"	100350X0.5	U
63x2"	100363X2	U
90x3"	100390X3	U



FEMALE ADAPTER PE-BSPF

Size mm	Code	UoM
20x1/2"	100420X0.5	U
25x3/4"	100425X0.75	U
25x1"	100425X1	U
32x3/4"	100432X0.75	U
32x1"	100432X1	U
32x1 1/4"	100432X0.25	U
50x1 1/2"	100450X0.5	U
63x2"	100463X2	U
90x3"	100490X3	U



WALL PLATE ELBOW PE-BSP

Size mm	Code	UoM
20x1/2"	103420x0.5	U
25x3/4"	103425x0.75	U



VALVE PE-PE

Size mm	Code	UoM
20	WSTPE20	U
25	WSTPE25	U
32	WSTPE32	U
50	WSTPE50	U
63	WSTPE63	U



STOP TAP PE-PE

Size mm	Code	UoM
20	WSTBR20	U
25	WSTBR25	U
32	WSTBR32	U
50	WSTBR50	U
63	WSTBR63	U



Information

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COUPLER

Size mm	Code	UoM
90	RGC90	U
110	RGC110	U
125	RGC125	U
160	RGC160	U
180	RGC180	U
200	RGC200	U
225	RGC225	U



FLANGE ADAPTER STD

Size mm	Code	UoM
90	RGFASTD90	U
110	RGFASTD110	U
125	RGFASTD125	U
160	RGFASTD160	U
180	RGFASTD180	U
200	RGFASTD200	U
225	RGFASTD225	U



FLANGE ADAPTER HP

Size mm	Code	UoM
90	RGFAHP90	U
110	RGFAHP110	U
125	RGFAHP125	U
160	RGFAHP160	U
180	RGFAHP180	U
200	RGFAHP200	U
225	RGFAHP225	U



90 DEG ELBOW

Size mm	Code	UoM
90	RGEL9090	U
110	RGEL90110	U
125	RGEL90125	U
160	RGEL90160	U
180	RGEL90180	U
200	RGEL90200	U
225	RGEL90225	U



45 DEG ELBOW

Size mm	Code	UoM
90	RGEL4590	U
110	RGEL45110	U
125	RGEL45125	U
160	RGEL45160	U
180	RGEL45180	U
200	RGEL45200	U
225	RGEL45225	U



EQUAL TEE

Size mm	Code	UoM
90	RGET90	U
110	RGET110	U
125	RGET125	U
160	RGET160	U
180	RGET180	U
200	RGET200	U
225	RGET225	U



FLANGED BRANCH TEE

Size mm	Code	UoM
90	RGFBT90	U
110	RGFBT110	U
125	RGFBT125	U
160	RGFBT160	U
180	RGFBT180	U
200	RGFBT200	U
225	RGFBT225	U



Information

Please contact us to request a brochure covering the complete range of REINOG RIP full pressure end-restraint fittings for PE



END CAP

Size mm	Code	UoM
90	RGEC90	U
110	RGEC110	U
125	RGEC125	U
160	RGEC160	U
180	RGEC180	U
200	RGEC200	U
225	RGEC225	U



REPAIR COUPLER

Size mm	Code	UoM
90	RGRC90	U
110	RGRC110	U
125	RGRC125	U
160	RGRC160	U
180	RGRC180	U
200	RGRC200	U
225	RGRC225	U



TELESCOPIC REPAIR SET

Size mm	Code	UoM
90	RGTRS90	U
110	RGTRS110	U
125	RGTRS125	U
160	RGTRS160	U
180	RGTRS180	U
200	RGTRS200	U
225	RGTRS225	U



REDUCER

Size mm	Code	UoM
110x90	RGR110X90	U
125x90	RGR125X90	U
125x110	RGR125X110	U
160x90	RGR160X90	U
160x110	RGR160X110	U
160x125	RGR160X125	U
180x90	RGR180X90	U
180x110	RGR180X110	U
180x125	RGR180X125	U
180x160	RGR180X160	U
200x160	RGR200X160	U
200x180	RGR200X180	U
225x160	RGR225X160	U
225x180	RGR225X180	U
225x200	RGR225X200	U



HYDRANT IN LINE TEE

Size mm	Code	UoM
90xDN80	RGHLT90	U
110xDN80	RGHLT110	U
125xDN80	RGHLT125	U
160xDN80	RGHLT160	U
180xDN80	RGHLT180	U
200xDN80	RGHLT200	U
225xDN80	RGHLT225	U



HYDRANT DUCK FOOT

Size mm	Code	UoM
90xDN80	RGHDF90	U
110xDN80	RGHDF110	U
125xDN80	RGHDF125	U



SOCKETED PIPE

Size mm	Code	UoM
90 to 450	RGSP90450	U



Information

Please contact us to request a brochure covering the complete range of REINOGRIP full pressure end-restraint fittings for PE



PIPE SDR11 (5.5bar)

Size mm	Code	UoM
20	GPS115.5B20	M
25	GPS115.5B25	M
32	GPS115.5B32	M
63	GPS115.5B63	M



PIPE SDR17.6 (3bar)

Size mm	Code	UoM
90	GPS1763B90	M
125	GPS1763B125	M
180	GPS1763B180	M



PIPE SDR17.6 (3bar)

Size mm	Code	UoM
90	G17.63B90	M
125	G17.63B125	M
180	G17.63B180	M
250	G17.63B250	M
315	G17.63B315	M
355	G17.63B335	M

MARKER TAPE 'GAS MAIN BELOW' (Detectable)



Size mm	Code	UoM
150x	GMTD150	U

MARKER TAPE 'GAS MAIN BELOW' (Non detectable)



Size mm	Code	UoM
150x365m	GMTN150	U



YELLOW PIPE MISC

GYPSize mm	Code	UoM
60x150m coil non-perforated	GYP60NP	M
60x150m coil perforated	GYP60CP	M
63x50 IDx50m coil Duct Ridgicoid c/w coupler	GYP63RC	M
110x94 IDx50m coil Duct Ridgicoid c/w coupler	GYP110RC	M
110x94 IDx6m length Duct twinwall c/w coupler	GYP110TW	M
178x150 IDx6m length Duct twinwall c/w coupler	GYP175TW	M
268x225 IDx6m length Duct twinwall	GYP268TW	M
225 coupler twinwall	GYP225TW	M



Information

We can supply PE Gas pipe in all available pressure ratings and in sizes upto 500mm OD

Gas



BLACK EF COUPLER

Size mm	Code	UoM
20	GBEFC20	U
25	GBEFC25	U
32	GBEFC32	U
63	GBEFC63	U
90	GBEFC90	U
125	GBEFC125	U
180	GBEFC180	U



BLACK EF REDUCER

Size mm	Code	UoM
25x20	GBEFR2520	U
32x20	GBEFR3220	U
32x25	GBEFR325	U
63x32	GBEFR6332	U
63x50	GBEFR6350	U
90x63	GBEFR9063	U
125x63	GBEFR12563	U
125x90	GBEFR12590	U
180x125	GBEFR180125	U
250x180	GBEFR250180	U



BLACK EF END CAP

Size mm	Code	UoM
20	GBEC20	U
25	GBEC25	U
32	GBEC32	U
63	GBEC63	U
90	GBEC90	U
125	GBEC125	U
180	GBEC180	M



BLACK 45 DEG EF ELBOW

Size mm	Code	UoM
63	GB45E63	U
90	GB45E90	U
125	GB45E125	U
180	GB45E180	U



BLACK EF 90 deg ELBOW

Size mm	Code	UoM
20	GB90E20	U
25	GB90E25	U
32	GB90E32	U
63	GB90E63	U
90	GB90E90	U
125	GB90E125	U
180	GB90E180	U



BLACK EF TEE

Size mm	Code	UoM
32	GBEFT32	U
63	GBEFT63	U
90	GBERT90	U
125	GBEFT125	U
180	GBEFT180	U



UNIFIT EF TAPPING TEE (32)

Size mm	Code	UoM
63 & 2"x32	GUETT63	U
90 & 3"x32	GUETT90	U
110-140x32	GUETT110	U
160-213x32	GUETT160	U



BRANCH SADDLE

Size mm	Code	UoM
125x90	GBS12590	U
180x90	GBS18090	U
180x125	GBS180125	U
250x90	GBS25090	U



UNIFIT EF TAPPING TEE (63)

Size mm	Code	UoM
63 & 2"x63	GUET6363	U
90 & 3"x63	GUET6390	U
125 & 4"x63	GUET63125	u
140-160x63	GUET63140	U
180-200x63	GUET63180	U



BRANCH SADDLE FLANGED

Size mm	Code	UoM
125x80 NP16	GBSF125	U
180x80 NP16	GBSF180	U
250x80 NP16	GBSF250	U
180x100 NP16	GBSF180	U



PURGE TEE (32MM)

Size mm	Code	UoM
63x32	GPT3263	U
90x32	GPT3290	U
110-140x32	GPT32110	U
160-213x32	GPT32160	U



FLANGE SET COMPLETE

Size mm	Code	UoM
63x50 NP16	GFSC63	U
90x80 NP16	GFSC9080	U
90x100 NP16	GFSC9010	U
125x100 NP16	GFSC125	U
180x150 NP16	GFSC180	U



PURGE TEE (63MM)

Size mm	Code	UoM
63x63	GPT6363	U
90x63	GPT6390	U
110-125x63	GPT63110	U
180-200x63	GPT63180	U



FLANGE ADAPTER SET

Size mm	Code	UoM
63x50 NP16	GFA63	U
90x80 NP16	GFA9080	U
90x100 NP16	GFA90100	U
125x100 NP16	GFA125	U
180x150 NP16	GFA180	U

GAS GATE VALVE PN16 RSGV CC BARE SHAFT DON- KIN FIG555



Size mm	Code	UoM
DN80	GVBD80	U
DN100	GVBD100	U
DN150	GVBD150	U
DN200	GVBD200	U
DN250	GVBD250	U
DN300	GVBD300	U

HANDWHEEL. INDICATOR. CAP TOP



Size mm	Code	UoM
50-100 Handwheel for Donkin valve	GHIC50DV	U
150-200 Handwheel for Donkin valve	GHIC150DV	U
250-300 Handwheel for Donkin valve	GHIC250DV	U
50-200 Indicator	GHIC50I	U
250-300 Indicator	GHIC250I	U
50-200 Cap top for FIG555 valve	GHIC50FV	U
250-300 Cap top for FIG555 valve	GHIC250FV	U



FLANGE SET TRANSCO NP16

Size mm	Code	UoM
DN50	GFT1650	U
DN80	GFT1680	U
DN100	GFT16100	U
DN150	GFT16150	U
DN200	GFT16200	U
DN250	GFT16250	U
DN300	GFT16300	U



GASKET FULL FACE NP16

Size mm	Code	UoM
DN50	GGFF1650	U
DN80	GGFF1680	U
DN100	GGFF16100	U
DN150	GGFF16150	U
DN200	GGFF16200	U
DN250	GGFF16250	U
DN300	GGFF16300	U



BLANK FLANGE NP16

Size mm	Code	UoM
DN50	GBF1650	U
DN80	GBF1680	U
DN100	GBF16100	U
DN150	GBF16150	U
DN200	GBF16200	U
DN250	GBF16250	U
DN300	GBF16300	U



TEST FLANGE NP16 1" BSP

Size mm	Code	UoM
DN50	GTF16B50	U
DN80	GTF16B80	U
DN100	GTF16B100	U
DN150	GTF16B150	U
DN200	GTF16B200	U
DN250	GTF16B250	U
DN300	GTF16B300	U

DI SOLID COVER SURFACE BOX



Size mm	Code	UoM
150x150x100 MARKED 'G'	GDSCSB150	U

GAS SURFACE COVER



Size mm	Code	UoM
9" x 9"	GGSC9	U

DI SPLIT LID SUR- FACE BOX



Size mm	Code	UoM
300x300x75 MARKED 'G'	GDSLFB300	U

STOP COCK CHAM- BER LID POLYPRO- PYLENE



Size mm	Code	UoM
YELLOW LID FOR GAS	GSCCLPYELL	U

STOP COCK CHAM- BER LID POLYPRO- PYLENE



Size mm	Code	UoM
BLACK LID MARKED 'G'	GDSCCLPBLK	U

ISOLATING VALVE PE BLACK SDR11



Size mm	Code	UoM
32	GISPB1132	U
63	GISPB1163	U
90	GISPB1190	U

FIG55 SCREWED BALL VALVE



Size mm	Code	UoM
20(3/4")	GFSBV20	U
25(1")	GFSBV25	U
50(2")	GFSBV50	U

CHAMBER KIT FOR CER- TUS ISOLATION VALVES



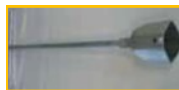
Size mm	Code	UoM
YELLOW LID	GCKCIVYELL	U

FIG55 SCREWED BALL VALVE LIMITED DIMENSION



Size mm	Code	UoM
20(3/4")	GFSBVL20	U
25(1")	GFSBVL25	U

T KEY FOR 32/63/90mm CERTUS VALVES



Size mm	Code	UoM
&%)mm	GTKCV	U

FIG60 STEEL BALL VALVE—LEVER HANDLE



Size mm	Code	UoM
20(3/4")	GFSBVLH20	U
25(1")	GFSBVLH25	U
50(2")	GFSBVLH50	U

SLIDE VALVE GIS V7 C/W LONG STUDS 7 BAR



Size mm	Code	UoM
DN80	GSV7B80	U
DN100	GSV7B100	U
DN150	GSV7B150	U
DN200	GSV7B200	U
DN250	GSV7B250	U
DN300	GSV7B300	U



FIG 248 END CAP

Size mm	Code	UoM
DN80 (3") 88 -99mm	GF248EC80	U
DN100 (4") 113-124mm	GF248EC100	U
DN125 (5") 138-152mm	GF248EC125	U
DN150 (6") 167-179mm	GF248EC150	U
DN200 (8") 217-234mm	GF248EC200	U
DN225 (9") 242-261mm	GF248EC225	U
DN250 (10") 270-288mm	GF248EC250	U
DN300 (12") 320-336mm	GF248EC300	U

UNDERPRESSURE TEE GAS NP16



Size mm	Code	UoM
DN80xDN80 (300mm)	GUT80X80	U
DN100xDN80 (300mm)	GUT100X80	U
DN100xDN100 (400mm)	GUT100X100	U
DN150xDN80 (400mm)	GUT150X80	U
DN150xDN100 (400mm)	GUT150X100	U
DN150xDN150 (500mm)	GUT150X150	U
DN200xDN80 (400mm)	GUT200X80	U
DN200xDN100 (400mm)	GUT200X100	U
DN200xDN150 (500mm)	GUT200X150	U
DN200xDN200 (600mm)	GUP200X200	U
DN250xDN80 (400mm)	GUT250X80	U
DN250xDN100 (400mm)	GUT250X100	U
DN250xDN150 (500mm)	GUT250X150	U
DN250xDN200 (600mm)	GUT250X200	U
DN250xDN250 (900mm)	GUT250X250	U
DN300xDN80 (400mm)	GUT300X80	U
DN300xDN100 (400mm)	GUT300X100	U
DN300xDN150 (500mm)	GUT300X150	U
DN300xDN200 (600mm)	GUT300X200	U
DN300xDN300 (1000mm)	GUT300X300	U

U/VERSAL UNDERPRESSURE TEE NP16



Size mm	Code	UoM
DN100xDN80 (111.8-129.4mm)	GUP100X80	U
DN100xDN100 (111.8-129.4mm)	GUP100X100	U
DN150xDN100 (165.2-184.4mm)	GUP150X100	U
DN150xDN150 (165.2-184.4mm)	GUP150X150	U
DN200xDN150 (215.9-239.7mm)	GUP200X150	U
DN200xDN200 (215.9-239.7mm)	GUP200X200	U
DN250xDN200 (269.2-293.55mm)	GUP250X200	U
DN250xDN250 (269.2-293.55mm)	GUP250X250	U
DN300xDN200 (319.9-341.3mm)	GUP300X200	U
DN300xDN300 (319.9-341.3mm)	GUP300X300	U

UNDERPRESSURE SWIVEL TOP TEE



Size mm	Code	UoM
3/4"x20mm	GUST0.75X20	U
3/4"x25mm	GUST0.75X25	U
3/4"x32mm	GUST0.75X32	U
1"x20mm	GUST1X20	U
1"x25mm	GUST1X25	U
1"x32mm	GUST1X32	U
1 1/2"x63mm (2 piece)	GUST1.5X63	U
2"x63mm (2 piece)	GUST2X63	U

ABOVE GROUND ENTRY ELBOW THREADED



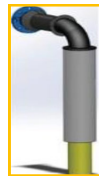
Size mm	Code	UoM
63x2" 150mm	GAGET150	U
63x2" 345mm	GAGET345	U
63x2" 610mm	GAGET610	U

ABOVE GROUND ENTRY ELBOW PLAIN



Size mm	Code	UoM
90x3" 345mm	GAGEP345	U
90x3" 610mm	GAGEP610	U
125x4" 345mm	GAGEP345	U
125x4" 610mm	GAGEP610	U
180x6" 610mm	GAGEP#610	U

ABOVE GROUND ENTRY ELBOW—SPLIT FLANGE



Size mm	Code	UoM
90x3" 345mm 1m	GAF903451	U
90x3" 610mm 1m	GAF906101	U
90x3" 610mm 2m	GAF906102	U
125x4" 345mm 1m	GAF1253451	U
125x4" 610mm 1m	GAF1256101	U
125x4" 610mm 2m	GAF1256102	U
180x6" 345mm 1m	GAF1803451	U
180x6" 610mm 1m	GAF1806101	U
180x6" 610mm 2m	GAF1806102	U

HOUSE ENTRY TEE



Size mm	Code	UoM
3/4"x20 150mm	GHT.7520150	U
3/4"x20 345mm	GHT.7520345	U
3/4"x20 500mm	GHT.7520500	U
3/4"x25 150mm	GHT.7525150	U
3/4"x 25 345mm	GHT.7525345	U
3/4"x25 500mm	GHT.7525500	U
1"x32 150mm	GHT1X32150	U
1"x32 345mm	GHT1X32345	U
1"x32 500mm	GHT1X32500	U
1"x32 610mm	GHT1X32610	U

GOVENOR ENTRY FITTING (FLANGED)



Size mm	Code	UoM
DN50-63mm ad2022	GEF5063	U
DN80-90mm ad2026	GEF8090	U
DN100-125mm ad2031	GEF100125	U
DN250-180mm ad2033	GEF250180	U

PE ADAPTER



Size mm	Code	UoM
25 SDR11x3/4" - 0.5mx0.5m PE80	GPA25X.75	U
32 SDR11x1" - 0.5mx0.5m PE80	GPA32X1	U
63 SDR11x2" - 0.5mx0.5m PE80	GPA63X2	U
90 SDR11x3" - 0.75mx1.25m PE80	GPA90X3	U
125 SDR11x4" - 0.5mx1.0m PE80	GPA125X4	U
180 SDR11x6" - 0.5mx1.0m PE80	GPA180X6	U

TRANSITION FITTING PE80



Size mm	Code	UoM
63/11x2" FEM BASE PLATE 1.0	GTFPE80F63	U
63/11x2" MALE BASE PLATE 1.0	GTFPE80M63	U

PUNCH TEE



Size mm	Code	UoM
1"x32mm	GPT1X32	U
1.5"x32mm	GPT1.5X35	U
2"x32mm	GPT2X32	U

PIPE STANDARD PRESSURE POINT WITH FROG



Size mm	Code	UoM
1"x32mm WITH FROG	GPSPF1X32	U
2"x63mm WITH FROG	GPSPF2X63	U

PECAT MAXI ADAPTER



Size mm	Code	UoM
90x3" SDR17 PE80 YELLOW	GP90X3Y	U
250x8" SDR17 RIL YELLOW	GP250X8RY	U
125x6" SDR17 RIL YELLOW	GP125X6RY	U
315x12" SDR17 0.8 PE80 YELLOW	GP315X12.8Y	U
250x10" SDR17 0.5 PE80 YELLOW	GP250X10.5Y	U
355x12" SDR17 0.5 PE80 YELLOW	GP355X12.5Y	U
90x4" SDR17 0.6 PE80 YELLOW	GP90X4.6Y	U
90x3" SDR17 0.5 PE80 YELLOW	GP90X3.5Y	U
125x4" SDR17 0.5 PE80 YELLOW	GP125X4.5Y	U
125x6" SDR17 0.5 PE80 YELLOW	GP125X6.5Y	U
180x6" SDR17 0.5 PE80 YELLOW	GP180X6.5Y	U
250x8" SDR17 0.5 PE80 YELLOW	GP250X8.5Y	U

TRANSITION FITTING



Size mm	Code	UoM
3/4"x20mm MALE	GT.75X20M	U
3/4"x25mm MALE	GT.75X25M	U
1"x32mm MALE	GT1X32M	U
3/4"x25mm FEMALE	GT.75X25F	U
1"x32mm FEMALE	GT1X32F	U
1"x32mm WALL MOUNT	GT1X32WM	U
2"x63mm WALL MOUNT	GT2X63WM	U

EMID PLUG



Size mm	Code	UoM
3/4"	GEP.75	U
1"	GEP1	U
1 1/4"	GEP1.25	U
1 1/2"	GEP1.5	U
2"	GEP2	U

LEAK DETECTION FLUID



Size mm	Code	UoM
1 litre	GLDF1L	U

Gas

KIOSK WALL MOUNTED



Size mm	Code	UoM
U16 GC2 F	GKWMU16	U

KIOSK FLOOR MOUNTED



Size mm	Code	UoM
U16 GC2 W	GKFM162W	U
U25 GC3	GKFM25C3	U
U16-U40 GC4	GKFM16C4	U
U65 GC5	GKFM65C5	U
U65-U160 GC6 inc EXPLOSION PROOF	GKFM65EX	U

METER BOX UNI- VERSAL BROWN UB1 FOR CREDIT METER



Size mm	Code	UoM
	GMBUB1	U

METER BOX SURFACE MOUNTED



Size mm	Code	UoM
MK2 GAS	GMBSM	U

METER BOX RECESSED WITH SPIGOT



Size mm	Code	UoM
GMBRS	GMBRS	U

METER BOX MULTIBOX WITH OUTLET ADAPTER



Size mm	Code	UoM
	GMBOA	U

KIT UNIVERSAL 1ST STAGE RECESSED/SURFACE BOX



Size mm	Code	UoM
25mm INLET	GRSB25	U
32mm INLET	GRSB32	U

KIT UNIVERSAL 1ST STAGE SEMI CON BOX



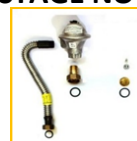
Size mm	Code	UoM
25mm INLET	GRSCB25	U
32mm INLET	GRSCB32	U

METER BOX ADAPTER



Size mm	Code	UoM
3/4"x20mm	GMBA20	U
3/4"x25mm	GMBA25	U
3/4"x32mm	GMBA32	U
1"x32mm	GMBA132	U

KIT 2ND STAGE NO METER



Size mm	Code	UoM
SURFACE	G2SMS	U
RECESSED	G2SMR	U
SEMI CON	G25MSC	U

PRIMOFIT COUPLING



Size mm	Code	UoM
25	GPC25	U
32	GPC32	U
63	GPC63	U

PETROLEUM TAPE



Size mm	Code	UoM
50x10m	GPT50X10	U
100x10m	GPT100X10	U

PRIMOFIT MALE ADAPTER



Size mm	Code	UoM
25	GPMA25	U
32	GPMA32	U
63	GPMA63	U

BOSS GAS- TITE PASTE



Size mm	Code	UoM
400g	GBGTP	U

PRIMOFIT FEMALE ADAPTER



Size mm	Code	UoM
25	GPFA25	U
32	GPFA32	U
63	GPFA63	U

PTFE TAPE



Size mm	Code	UoM
12x5m	GPTFET	U

YELLOW PE 2901 TAPE



Size mm	Code	UoM
50x33m	GYPE2901T	U

BALL VALVE LEVER HANDLE



Size mm	Code	UoM
3/4"	GBVLH.75	U
1"	GBVLH1	U
1 1/4"	GBVLH1.25	U
1 1/2"	GBVLH1.5	U
2"	GBVHL2	U

METER CONTROL VALVE LEVER HANDLE



Size mm	Code	UoM
3/4" BS746	GVH.75	U
3/4"x1" BS746	GVH.75X1	U
1"x3/4" BS746	GVH1X.75	U
1" BS746	GVH1	U
2" BS746	GVH2	U
2" BSP	GVHBSP	U

METER CONTROL VALVE LEVER HANDLE ANGLE MP CONE



Size mm	Code	UoM
3/4"		U

METER CONTROL VALVE LEVER HANDLE INVERTED CONE



Size mm	Code	UoM
3/4"	GMVC.75	U

BLANKING CAP FOR IN- VERTED CONE METER CON- TROL VALVE



Size mm	Code	UoM
3/4"	GBCIV.75	U

EMERGENCY CONTROL SECURITY VALVE



Size mm	Code	UoM
3/4"	GECSV.75	U
1"	GECSV1	U
1 1/2"	GECSV1.5	U
2"	GECSV2	U

BLACK BEND



Size mm	Code	UoM
38	GBB38	U
44	GBB44	U

GRP SLEEVE



Size mm	Code	UoM
38 x 1m	GGRP38X1	U
44 x 1m	GGRP44X1	U
38 x 2m	GGRP38X2	U
44 x 2m	GGRP44X2	U
38 x 3m	GGRP38X3	U
44 x 3m	GGRP44X3	U

PLASTIC PIPE CLIP FOR GRP SLEEVE



Size mm	Code	UoM
38	GPPGRP38	U
44	GPPGRP44	U

LABEL PACK UNIVERSAL



Size mm	Code	UoM
SSE	GLPUSSE	U
GTC	GLPUGTC	U
ESP	GLPUESP	U

LABEL 'IN THE EVENT OF ES- CAPE'



Size mm	Code	UoM
IEE	GLIEE	U

LABEL GTC ESCAPE



Size mm	Code	UoM
GTC	GLGTC	U

LABEL IPL ESCAPE



Size mm	Code	UoM
IPL	GLIPL	U

LABEL 'ON- OFF'



Size mm	Code	UoM
ONOFF	GLOF	U

TAPE 'SQUEEZE OFF APPLIED'



Size mm	Code	UoM
SOA	GTSOA	U

WASHER



Size mm	Code	UoM
3/4" BS746	GW.75	U
1" BS746	GW1	U
1.5" BS746	GW1.5	U
2" BS746	GW2	U
2" CAP	GW2C	U

SEALING CAP



Size mm	Code	UoM
3/4" BS746	GSC.75	U
1" BS746	GSC1	U
1.5" BS746	GSC1.5	U
2" BS746	GSC2	U

METER ADAPTER BS746



Size mm	Code	UoM
1"x22mm	GMA1X22	U

METER SEAL- ING DISC



Size mm	Code	UoM
3/4"	GMSD.75	U

U6 METER SHELF BRACKET



Size mm	Code	UoM
3/4"	GU6MSB.75	U

THERMAL CUT OFF VALVE



Size mm	Code	UoM
3/4"	GTCV.75	U
1"	GTCV1	U
2"	GTCV2	U

PIPE CLAMP



Size mm	Code	UoM
3/4"	GPC.75	U
1"	GPC1	U
1 1/2"	GPC1.5	U
2"	GPC2	U

TRANSITION TEE



Size mm	Code	UoM
3/4"x20mm	GTT.75X20	U
3/4"x25mm	GTT.75X25	U
3/4"x32mm	GTT.75X32	U
1"x20mm	GTT1X20	U
1"x25mm	GTT1X25	U
1"x32mm	GTT1X32	U

STEEL PIPE MEDIUM WEIGHT



Size mm	Code	UoM
3/4"x3.25m	GSPM.75	U
1"x3.25m	GSPM1	U
1.5"x3.25m	GSPM1.5	U
2"x3.25m	GSPM2	U

SERVICE NIPPLE

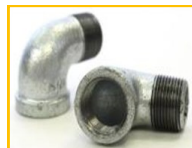
Size mm	Code	UoM
1.5"x2"	GSN1.5	U
2"x2"	GSN2	U

STEEL PIPE HEAVY GRADE



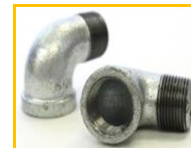
Size mm	Code	UoM
3/4"x3.25m	GSPH.75	U
1"x3.25m	GSPH1	U
1.5"x3.25m	GSPH1.5	U
2"x3.25m	GSPH2	U

ELBOW MALE/ FEMALE



Size mm	Code	UoM
1/2"	G1EMF.5	U
3/4"	G1EMF.75	U
1"	G1EMF1	U
1 1/4"	G1EMF1.25	U
1 1/2"	G1EMF1.5	U
2"	G1EMF2	U

ELBOW FEMALE/ FEMALE



Size mm	Code	UoM
1/2"	G2EMF.5	U
3/4"	G2EMF.75	U
1"	G2EMF1	U
1 1/4"	G2EMF1.25	U
1 1/2"	G2EMF1.5	U
2"	G2EMF2	U

HEXAGON NIPPLE



Size mm	Code	UoM
1/2"	GHN.5	U
3/4"	GHN.75	U
1"	GHN1	U
1 1/4"	GHN1.25	U
1 1/2"	GHN1.5	U
2"	GHN2	U

PLUG



Size mm	Code	UoM
1/2"	GPL.5	U
3/4"	GPL.75	U
1"	GPL1	U
1 1/4"	GPL1.25	U
1 1/2"	GPL1.5	U
2"	GPL2	U

BUSH



Size mm	Code	UoM
1/2"x1/4"	GB.5X.25	U
3/4"x3/8"	GB.75X.375	U
1"x1/2"	GB1X.5	U
1"x3/4"	GB1X.75	U
1 1/4"x1"	GB1.25X1	U
1 1/2"x3/4"	GB1.5X.75	U
1 1/2"x1"	GB1.5X1	U
1 1/2"x1 1/4"	GB1.5X1.25	U
2"x3/4"	GB2X.75	U
2"x1"	GB2X1	U
2"x1 1/2"	GB2X1.5	U

MALE/FEMALE UNION



Size mm	Code	UoM
3/4"	GMFU.75	U

BARREL NIPPLE



Size mm	Code	UoM
1/2"	GBN.5	U
3/4"	GBN.75	U
1"	GBN1	U
1 1/4"	GBN1.25	U
1 1/2"	GBN1.5	U
2"	GBN2	U

IRON/IRON UNION



Size mm	Code	UoM
3/4"	GIIU.75	U
1"	GIIU1	U
1 1/2"	GIIU1.5	U
2"	GIIU2	U

REDUCING NIPPLE



Size mm	Code	UoM
1"x3/4"	GRN1X.75	U

HEXAGON NIPPLE



Size mm	Code	UoM
1/2"	GHN.5	U
3/4"	GHN.75	U
1"	GHN1	U
1 1/4"	GHN1.25	U
1 1/2"	GHN1.5	U
2"	GHN2	U

PLUG



Size mm	Code	UoM
1/2"	GPG.5	U
3/4"	GPG.75	U
1"	GPG1	U
1 1/4"	GPG1.25	U
1 1/2"	GPG1.5	U
2"	GPG2	U

SOCKET



Size mm	Code	UoM
1/2"	GS.5	U
3/4"	GS.75	U
1"	GS1	U
1 1/4"	GS1.25	U
1 1/2"	GS1.5	U
2"	GS2	U

REDUCING SOCKET



Size mm	Code	UoM
1"x3/4"	GRS1X.75	U
1 1/4"x1"	GRS1.25X1	U
1 1/2"x1"	GRS1.5X1	U
2"x1 1/2"	GRS2X1.5	U

TEE



Size mm	Code	UoM
3/4"	GT.75	U
1"	GT1	U
1"x3/4"	GT1X.75	U
1 1/4"	GT1.25	U
1 1/2"	GT1.5	U
1 1/2"x1"	GT1.5X1	U
2"	GT2	U
1 1/2"x3/4"	GT1.5X.75	U

CROSS



Size mm	Code	UoM
3/4"	GC.75	U
1"	GC1	U
1 1/2"	GC1.5	U

END CAP



Size mm	Code	UoM
1/2"	GEC.5	U
3/4"	GEC.75	U
1"	GEC1	U
1 1/4"	GEC1.25	U
1 1/2"	GEC1.5	U
2"	GEC2	U

M10 FIXINGS

Size mm	Code	UoM
BACK PLATE	GM10BP	U
THRD ROD	GM10TR	U



SC100 - SDR11 - 7 bar Orange pipe, for natural & suitable manufactured gas in buried applications

gas

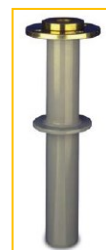
Diameter	SDR	MOP-GIS PL2-8	MOP-EN 1555-2	Straight pipe		Coils
mm		bar	bar	6m	12m	100m
63	11	7	10	FC0068	-	FC0072
90	11	7	10	FC0125	FC0127	FC0129
125	11	7	10	FC0287	FC0289	FC0291
180	11	7	10	FC0530	FC0532	FC0535
250	11	7	10	FC0766	FC0769	-
315	11	7	10	FC0985	FC0988	-
355	11	7	10	FC1044	FC1047	-
400	11	7	10	FC1104	FC1107	-
450	11	7	10	FC1219	FC1221	-
500	11	7	10	FC1327	FC1329	-
560	11	7	10	FC1383	FC1385	-
630	11	7	10	FC1439	FC1441	-

STEEL FIG555 GATE VALVE CAP TOP



Size mm	Code	UoM
DN50	55505000013	U
DN80	55508003013	U
DN100	55510003013	U
DN150	55515003013	U
DN200	55520003013	U
DN250	55525003013	U
DN300	55530003013	U

PECAT GOVERNOR RISER TRANSITION FITTING PN16 FLANGE PE100 ORANGE



Size mm	Code	UoM
63mm SDR11xDN20	AD2084	U
63mm SDR11xDN50	AD2023	U
90mm SDR11xDN100	AD2077	U
90mm SDR11xDN80	AD2027	U
125mm SDR11xDN100	AD2032	U
180mm SDR11xDN150	AD2041	U
180mm SDR11xDN200	AD2042	U
250mm SDR11xDN200	AD2060	U
250mm SDR11xDN250	AD2069	U

SERIES 60 STEEL FLANGED BALL



Size mm	Code	UoM
25mm/1"	46002502013	U
50mm/2"	46005002013	U



Information

If you require other 7 bar gas fittings such as Pecat flange adapters, Cathodic Protection, etc.. please contact us



DUCT STD PVC - CLASS 1

Size mm OD/ID	Code	UoM
38/34	EDPV1-38-34	M
42/38	EDPV1-42-38	M
50/45	EDPV1-50-45	M
53.9/49	EDPV1-53.9-49	M
63/58	EDPV1-63-58	M
75/68	EDPV1-75-68	M
88.9/82	EDPV1-88.9-82	M
96.5/89	EDPV1-96.5-89	M
110/102	EDPV1-110-102	M
125/116	EDPV1-125-116	M
140/131	EDPV1-140-131	M
160/150	EDPV1-160-150	M
168/158	EDPV1-168-158	M
180/169	EDPV1-180-169	M
200/188	EDPV1-200-188	M
225/213	EDPV1-225-213	M
250/237	EDPV1-250-237	M

Available in 3m or 6m lengths



DUCT STD PVC—CLASS 2

Size mm OD/ID	Code	UoM
38/34	EDPV2-38-34	M
42/38	EDPV2-42-38	M
50/46	EDPV2-50-45	M
53.9/50	EDPV2-53.9-49	M
63/59	EDPV2-63-58	M
75/69	EDPV2-75-68	M
88.9/83	EDPV2-88.9-82	M
96.5/90	EDPV2-96.5-89	M
110/103	EDPV2-110-102	M
125/118	EDPV2-125-116	M
140/132	EDPV2-140-131	M
160/151	EDPV2-160-150	M
168/159	EDPV2-168-158	M
180/171	EDPV2-180-169	M
200/190	EDPV2-200-188	M
225/215	EDPV2-225-213	M
250/239	EDPV2-250-237	M

Available in 3m or 6m lengths



DUCT TWIN WALL PE

Size mm OD/ID	Code	UoM
120/100	EDPETW-120-100	M
150/125	EDPETW-150-125	M
175/150	EDPETW-175-150	M

Available in 3m or 6m lengths



COUPLER DUCT T/WALL PE

Size mm OD/ID	Code	UoM
120/100	ECPETW-120-100	M
150/125	ECPETW-150-125	M
175/150	ECPETW-175-150	M

DUCT SMALL BORE PE



Size mm OD/ID	Individual coiled lengths	Coils per pack	Code	UoM
63/50	50m	4	EDPESB-63-50	M
60/50	50m	4	EDPESB-60-50	M
58/50	50m	4	EDPESB-58-50	M
54/46	50m	4	EDPESB-54-46	M
50/42	50m / 100m	4	EDPESB-50-42	M
44/38	50m / 100m	4	EDPESB-44-38	M
38/32	50m / 100m	4	EDPESB-38-32	M
37/32	50m / 100m	4	EDPESB-37-32	M

DUCT PE SOLID WALL SDR17



Size mm OD/ID	Coiled lengths m	Straight lengths	Code	UoM
75/65.4	50/100/125/150	6m, 12m	EDPESW17-75	M
90/78.6	50/100/125/150	6m, 12m	EDPESW17-90	M
110/96.1	50/100/125/150	6m, 12m	EDPESW17-110	M
125/109.5	50/100/125/150	6m, 12m	EDPESW17-125	M
140/122.6	50/100/125	6m, 12m	EDPESW17-140	M
160/140.2	50/100/125	6m, 12m	EDPESW17-160	M
180/157.7	50/100	6m, 12m	EDPESW17-180	M
200/175.2	Not available	6m, 12m	EDPESW17-200	M
225/197.2	Not available	6m, 12m	EDPESW17-225	M
250/219.4	Not available	6m, 12m	EDPESW17-250	M
280/245	Not available	6m, 12m	EDPESW17-280	M
315/276	Not available	6m, 12m	EDPESW17-315	M
355/311	Not available	6m, 12m	EDPESW17-355	M
400/351	Not available	6m, 12m	EDPESW17-400	M
450/422	Not available	6m, 12m	EDPESW17-450	M
500/438	Not available	6m, 12m	EDPESW17-500	M

DUCT PE SOLID WALL SDR11



Size mm OD/ID	Coiled lengths m	Straight lengths	Code	UoM
75/60.7	50/100/125/150	6m, 12m	EDPESW11-75	M
90/72.9	50/100/125/150	6m, 12m	EDPESW11-90	M
110/89.2	50/100/125/150	6m, 12m	EDPESW11-110	M
125/101.4	50/100/125/150	6m, 12m	EDPESW11-125	M
140/113.6	50/100/125	6m, 12m	EDPESW11-140	M
160/129.8	50/100/125	6m, 12m	EDPESW11-160	M
180/146.2	50/100	6m, 12m	EDPESW11-180	M
200/162.6	Not available	6m, 12m	EDPESW11-200	M
225/182.9	Not available	6m, 12m	EDPESW11-225	M
250/203.5	Not available	6m, 12m	EDPESW11-250	M
280/227	Not available	6m, 12m	EDPESW11-280	M
315/254	Not available	6m, 12m	EDPESW11-315	M
355/288	Not available	6m, 12m	EDPESW11-355	M
400/324	Not available	6m, 12m	EDPESW11-400	M
450/364	Not available	6m, 12m	EDPESW11-450	M
400/405	Not available	6m, 12m	EDPESW11-500	M



BENDS PVC DUCT – Class 1 or 2

Size mm OD	Angle Deg	Radius Mm	Code	UoM
38	90	400	EBPV38904	U
38*	90	400	EBPV38*904	U
43**	90	400	EBPV43*904	U
53.9	22 1/2	350	EBPV5392235	U
88.9	11 1/4	1500	EBPV8891115	U
88.9	11 1/4	3900	EBPV8891139	U
88.9	22 1/2	1500	EBPV8892215	U
88.9	22 1/2	3900	EBPV8892239	U
96.5	22 1/2	2685	EBPV9652226	U
110	11 1/4	700	EBPV110117	U
110	11 1/4	3500	EBPV1101135	U
110	22 1/2	700	EBPV110227	U
110	22 1/2	1750	EBPV1102217	U
110	45	560	EBPV1104556	U
110	90	450	EBPV1109045	U
125	11 1/4	1200	EBPV1251112	U
125	11 1/4	3900	EBPV1251139	U
125	22 1/2	1200	EBPV1252212	U
125	22 1/2	3900	EBPV1252239	U



BENDS PVC DUCT—Class 1 or 2

Size mm OD	Angle Deg	Radius Mm	Code	UoM
125	45	1200	EBPD1254512	U
125	90	1200	EBPD1259012	U
140	11 1/4	3900	EBPD1401139	U
140	22 1/2	1950	EBPD1402219	U
140	22 1/2	3900	EBPD1402239	U
160	11 1/4	560	EBPD1601145	U
160	22 1/2	560	EBPD1602215	U
160	45	560	EBPD1604556	U
160	90	560	EBPD1609056	U
160	11 1/4	1200	EBPD1601141	U
160	22 1/2	1200	EBPD1602211	U
160	45	1200	EBPD1604512	U
160	90	1200	EBPD1609012	U
160	11 1/4	3900	EBPD1601143	U
160	22 1/2	3900	EBPD1602239	U
168	22 1/2	3900	EBPD1682239	U
200	22 1/2	3900	EBPD2002239	U
250	11 1/4	4500	EBPD2501145	U

*Hockey stick.

**Hockey stick, 50mm ID socket

Other non-standard bends may be available on request



BENDS PE SOLID WALL DUCT SDR17

Size mm OD	Angle Deg	Radius Mm	Code	UoM
75	Specify	Specify	EBPSW75	U
90	Specify	Specify	EBPSW90	U
110	Specify	Specify	EBPSW110	U
125	Specify	Specify	EBPSW125	U
140	Specify	Specify	EBPSW140	U
160	Specify	Specify	EBPSW160	U
180	Specify	Specify	EBPSW180	U
200	Specify	Specify	EBPSW200	U
225	Specify	Specify	EBPSW225	U
250	Specify	Specify	EBPSW250	U
280	Specify	Specify	EBPSW280	U
315	Specify	Specify	EBPSW315	U
355	Specify	Specify	EBPSW355	U
400	Specify	Specify	EBPSW400	U
450	Specify	Specify	EBPSW450	U
500	Specify	Specify	EBPSW500	U



BENDS PE SOLID WALL DUCT SDR11

Size mm OD	Angle Deg	Radius Mm	Code	UoM
75	Specify	Specify	EBPSW75	U
90	Specify	Specify	EBPSW90	U
110	Specify	Specify	EBPSW110	U
125	Specify	Specify	EBPSW125	U
140	Specify	Specify	EBPSW140	U
160	Specify	Specify	EBPSW160	U
180	Specify	Specify	EBPSW180	U
200	Specify	Specify	EBPSW200	U
225	Specify	Specify	EBPSW225	U
250	Specify	Specify	EBPSW250	U
280	Specify	Specify	EBPSW280	U
315	Specify	Specify	EBPSW315	U
355	Specify	Specify	EBPSW355	U
400	Specify	Specify	EBPSW400	U
450	Specify	Specify	EBPSW450	U
500	Specify	Specify	EBPSW500	U

Electric



HOCKEY STICK BEND PVC 2 PIECE (Interference fit socket)

Size mm OD/ID	Angle deg	Radius	Straight	Colour	Sack Quantity	Code	UoM
38/32	90	400	850	Black/white	25	EHBPISBKW	M
38/32	90	400	850	Red/white	25	EHBPISREW	M

Products guide March 2017



UNDERGROUND MARKER TAPE

Size mm	Length	Marking	Code	UoM
150x0.1	365m	Electric	EMT-E	U
150x0.1	365m	Electric badged Scottish Power	EMT-SP	U
150x0.1	365m	Electric badged Scottish & Southern	EMT-SS	U
150x0.1	365m	Electric badged Electricity North West	EMT-ENW	U
150x0.1	365m	Electric badged GTC	EMT-GTC	U
150x0.1	365m	Electric badged ESP	EMT-ESP	U
150x0.1	365m	Electric badged Western Power	EMT-WP	U
150x0.1	365m	Electric badged pŵer gorllewinol	EMT-PG	U



TAPETILE UNDERGROUND MARKER TAPE

Size mm	Length	Marking	Code	UoM
200x2.5	40m	Electric	ETT-E	U
200x2.5	40m	Electric badged Scottish Power	ETT-SP	U
200x2.5	40m	Electric badged NPG LV	ETT-NPGLV	U
200x2.5	40m	Electric badged NPG 11kv	ETT-NPG11	U
200x2.5	40m	Electric badged UK Power Networks	ETT-UPN	U
200x2.5	40m	Electric badged GTC	ETT-GTC	U
200x2.5	40m	Electric badged ESP	ETT-ESP	U



RECESSED METER BOX

Box Size WxDxH mm	Code	UoM
430 x 220 x 600	ERMB-1	U



SHALLOW RECESSED METER BOX

Box Size WxDxH mm	Code	UoM
415 x 190 x 615	ERMB-2	U



MEDIUM RECESSED METER BOX

Box Size WxDxH mm	Code	UoM
485 x 190 x 685	ERMB-3	U



SLIMLINE RECESSED METER BOX

Box Size WxDxH mm	Code	UoM
279 x 210 x 828	ERMB-4	U



FIRE RET' RECESSED METER BOX

Box Size WxDxH mm	Code	UoM
409x 210 x 595	ERMB-5	U



LARGE (3-P) RECESSED METER BOX

Box Size WxDxH mm	Code	UoM
550 x 210 x 770	ERMB-6	U



SURFACE METER BOX

Box Size WxDxH mm	Code	UoM
400x 215 x 560	ESMB-1	U



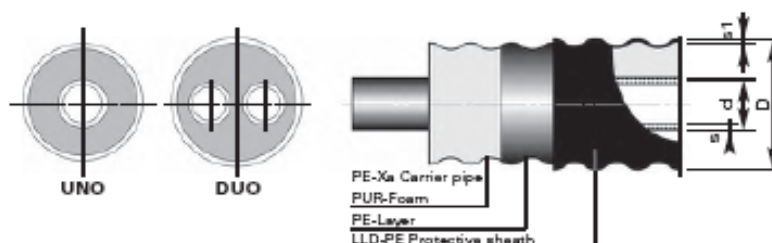
LARGE (3-P) SURFACE METER BOX

Box Size WxDxH mm	Code	UoM
520x 210 x 750	ESMB-2	U

CALPEX® Pre-Insulated district heating pipe system

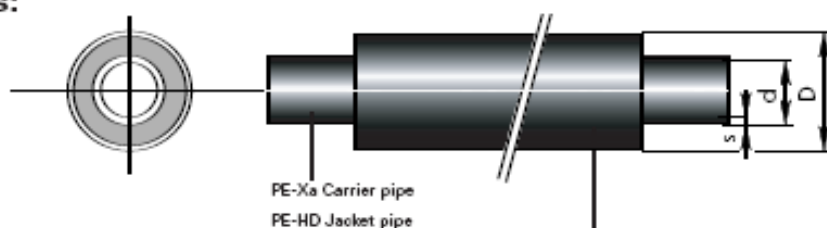
CALPEX® in coils:

Dimensions:
DN20 - DN110



CALPEX® in bars:

Dimension:
DN125



CALPEX® Heating 6 bar, UNO

Type	DN	Inches ["]	Carrier pipe d x s mm	Protective sheath, D x s1 mm	min. ben- ding radius m	Capacity l/m	Weight kg/m	max. delivery length*	
								Jumbo-Coil m	Maxi-Coil m
25/76	20	3/4"	25 x 2.3	78 x 2.0	0.7	0.32	0.9	520	807
32/76	25	1"	32 x 2.9	78 x 2.0	0.7	0.53	1.00	520	807
40/91	32	1 1/4"	40 x 3.7	93 x 2.2	0.8	0.83	1.39	377	590
50/111	40	1 1/2"	50 x 4.6	113 x 2.4	0.9	1.30	1.97	271	429
63/126	50	2"	63 x 5.8	128 x 2.7	1.0	2.07	2.60	192	305
75/142	65	2 1/2"	75 x 6.8	143 x 3.0	1.1	2.96	3.39	143	229
90/162	80	3"	90 x 8.2	163 x 3.2	1.2	4.25	4.56	92	149
110/162	100	4"	110 x 10.0	163 x 3.2	1.2	6.36	5.10	92	149
110/182 PLUS	100	4"	110 x 10.0	183 x 3.3	1.4	6.36	5.68	52	86
125/182	110	4 1/2"	125 x 11.4	183 x 3.3	1.4	8.20	6.37	52	86
160/250	125	5"	160 x 14.6	250 x 3.9	-	13.43	11.31	12 m	12 m

CALPEX® Heating 6 bar, DUO

Type	DN	Inches ["]	Carrier pipe d x s mm	Protective sheath, D x s1 mm	min. ben- ding radius m	Capacity l/m	Weight kg/m	max. delivery length*	
								Jumbo-Coil m	Jumbo-Coil m
25+25/91	20+20	2 x 3/4"	2x 25x2.3	93 x 2.2	0.8	2x 0.32	1.34	377	590
32+32/111	25+25	2 x 1"	2x 32x2.9	113 x 2.4	0.9	2x 0.53	1.87	271	429
40+40/126	32+32	2 x 1 1/4"	2x 40x3.7	128 x 2.7	1.0	2x 0.83	2.48	192	305
50+50/162	40+40	2 x 1 1/2"	2x 50x4.6	163 x 3.2	1.2	2x 1.30	3.96	92	149
63+63/182	50+50	2 x 2"	2x 63x5.8	183 x 3.3	1.4	2x 2.07	5.28	52	86

* Supplies with section lengths are possible

- Special dimensions as of 500 m and exceeding on request.
- Larger lengths on request.
- Ring dimensions: Jumbo Coil with outer diameter 2800 mm x 800 mm (width)
Maxi Coil with outer diameter 2800 mm x 1200 mm (width)

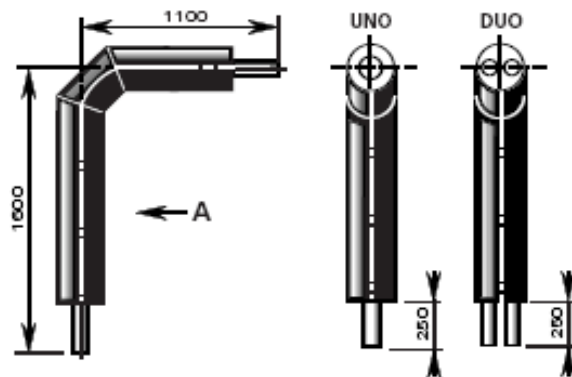


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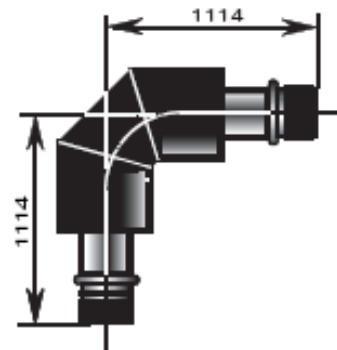
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CALPEX® Pre-Insulated district heating pipe system

Elbow 90° DN20 - DN110 (PE-Xa)



Elbow 90° DN125 (St 37.0)



CALPEX® Heating 6 bar, UNO/DUO

all dimensions in mm

Type	DN	Inches ["]	Carrier pipe d x s mm	Protective sheat d x s mm	Capacity l/m	Weight kg/unit
UNO						
25/76	20	3/4"	25 x 2.3	75 x 2.9	0.32	2.30
32/76	25	1"	32 x 2.9	75 x 2.9	0.53	2.50
40/91	32	1 1/4"	40 x 3.7	90 x 3.5	0.83	3.47
50/111	40	1 1/2"	50 x 4.6	110 x 4.3	1.30	4.92
63/126	50	2"	63 x 5.8	125 x 4.9	2.07	6.50
75/142	65	2 1/2"	75 x 6.8	140 x 4.4	2.96	8.47
90/162	80	3"	90 x 8.2	160 x 5.0	4.25	11.40
110/162	100	4"	110 x 10.0	160 x 5.0	6.36	14.23
110/182	100	4"	110 x 10.0	180 x 5.6	6.36	16.19
125/182	110	4 1/2"	125 x 11.4	180 x 5.6	8.20	17.20
160/250	125	5"	160 x 14.6	250 x 6.2	13.43	13.96
DUO						
25+25/91	20+20	2 x 3/4"	2x 25x2.3	90 x 3.5	2x 0.32	4.32
32+32/111	25+25	2 x 1"	2x 32x2.9	110 x 4.3	2x 0.53	4.67
40+40/126	32+32	2 x 1 1/4"	2x 40x3.7	125 x 4.9	2x 0.83	7.42
50+50/162	40+40	2 x 1 1/2"	2x 50x4.6	160 x 5.0	2x 1.30	9.90
63+63/182	50+50	2 x 2"	2x 63x5.8	180 x 5.6	2x 2.07	13.96

CALPEX® Sanitary 10 bar, UNO/DUO

Type	DN	Inches ["]	Carrier pipe d x s mm	Protective sheat d x s mm	Capacity l/m	Weight kg/unit
UNO						
22/76	16	5/8"	22 x 3.0	75 x 2.9	0.20	2.40
28/76	20	3/4"	28 x 4.0	75 x 2.9	0.31	2.65
32/76	25	1"	32 x 4.4	75 x 2.9	0.42	2.80
40/91	32	1 1/4"	40 x 5.5	90 x 3.5	0.66	3.90
50/111	40	1 1/2"	50 x 6.9	110 x 4.3	1.02	5.62
63/126	50	2"	63 x 8.7	125 x 4.9	1.63	7.65
DUO						
28+22/91	20+16	3/4" + 5/8"	28.0x4.0 + 22.0x3.0	90 x 3.5	0.31 + 0.20	3.67
32+22/111	25+16	1" + 3/4"	32.0x4.4 + 22.0x3.0	110 x 4.3	0.42 + 0.20	4.87
40+28/126	32+20	1 1/4" + 3/4"	40.0x5.5 + 28.0x4.0	125 x 4.9	0.66 + 0.31	6.50
50+32/126	40+25	1 1/2" + 1"	50.0x6.9 + 32.0x4.4	125 x 4.9	1.02 + 0.42	7.30



Information

Please contact us to request a brochure covering the complete range of CALPEX Pre-insulated District heating pipe system

Durapipe PLX is an above and below ground product range specifically designed for the safe transfer of all liquid fuels. Consisting of single wall and two types of secondary contained pipe and fittings, PLX has been installed for many different applications such as forecourts, building services and industrial across the World.



SECONDARY CONTAINMENT PIPE

Size mm OD/ID	Code	UoM
50/90	FUPSC50-90	M
50/110	FUPSC50-110	M
63/110	FUPSC63-110	M
90/160	FUPSC90-160	M
110/160	FUPSC110-160	M

Available in 6m lengths



SINGLE WALL PIPE

Size mm OD/ID	Code	UoM
32	FUP-32ST	M
50	FUP-50ST	M
63	FUP-63ST	M
90	FUP-90ST	M
110	FUP-110ST	M

Available in 6m lengths



SECONDARY CONTAINMENT PIPE

Size mm OD/ID	Code	UoM
32/40	FUPSC32-40C	M
50/63	FUPSC50-63C	M
63/75	FUPSC63-75C	M

Available in 50m or 100m coils



SINGLE WALL PIPE

Size mm OD/ID	Code	UoM
32	FUP-32C	M
50	FUP-50C	M
63	FUP-63C	M
90	FUP-90C	M
110	FUP-110C	M

Available in 50m or 100m coils



Information

Please contact us to request a brochure covering the complete range of PLX Dual Contained Fuel pipe system

Durapipe

PLX

Safe Pipework for Fuel

Durapipe PLX is an above and below ground product range specifically designed for the safe transfer of all liquid fuels. Consisting of single wall and two types of secondary contained pipe and fittings, PLX has been installed for many different applications such as forecourts, building services and industrial across the World.

Fuel



COUPLER EF

Size mm OD/ID	Code	UoM
32	FUC32	n
50	FUC50	n
63	FUC63	n
90	FUC90	n
110	FUC110	n



ELBOW 90 DEG EF

Size mm OD/ID	Code	UoM
32	FUE90-32	n
50	FUE90-50	n
63	FUE90-63	n
90	FUE90-90	n
110	FUE90-110	n



ELBOW 45 EDG EF

Size mm OD/ID	Code	UoM
32	FUE45-32	n
50	FUE45-50	n
63	FUE45-63	n
90	FUE45-90	n
110	FUE45-110	n



TEE EQUAL EF

Size mm OD/ID	Code	UoM
32	FUET-32	n
50	FUET-50	n
63	FUET-63	n
90	FUET-90	n
110	FUET-110	n



REDUCER EF

Size mm OD/ID	Code	UoM
32	FUR-32	n
50	FUR-50	n
63	FUR-63	n
90	FUR-90	n
110	FUR-110	n



END CAP EF

Size mm OD/ID	Code	UoM
32	FUEC-32	n
50	FUEC-50	n
63	FUEC-63	n
90	FUEC-90	n
110	FUEC-110	n



Information

Please contact us to request a brochure covering the complete range of PLX Dual Contained Fuel pipe system

Products guide March 2017

Durapipe PLX is an above and below ground product range specifically designed for the safe transfer of all liquid fuels. Consisting of single wall and two types of secondary contained pipe and fittings, PLX has been installed for many different applications such as forecourts, building services and industrial across the World.



COUPLER SEC CONT EF

Size mm OD/ID	Description	Code	UoM
32/40	EF/short spigot	FUCSC32-40	n
50/90	EF/short spigot	FUCSC50-90	n
63/110	EF/short spigot	FUCSC63-110	n



SECONDARY CLOSURE EF

Size mm OD/ID	Description	Code	UoM
32/40	EF/EF	FURSC32-40	n
50/63	EF/EF	FURSC50-63	n
63/75	EF/EF	FURSC65-75	n
63/90	EF/EF	FURSC63-90	n
75/110	EF/EF	FURSC75-110	n



ELBOW SEC CONT 90 DEG EF

Size mm OD/ID	Description	Code	UoM
32/40	Spigot/spigot	FUE90SC32-40	n
50/90	EF/short spigot	FUE90SC50-90	n
63/110	EF/short spigot	FUE90SC63-110	n
90/160	Spigot/short spigot	FUE90SC90-160	n
110/160	Spigot/short spigot	FUE90SC110-160	n



ELBOW SEC CONT 45 DEG EF

Size mm OD/ID	Description	Code	UoM
50/90	EF/short spigot	FUE45SC50-90	n
63/110	EF/short spigot	FUE45SC63-110	n
90/110	EF/short spigot	FUE45SC90-160	n
110/160	EF/short spigot	FUE45SC110-160	n



TEE EQUAL SEC CONT EF

Size mm OD/ID	Description	Code	UoM
50/90	EF/short spigot	FUETSC50-90	n
63/110	EF/short spigot	FUETSC63-110	n



SECONDARY CONTAINED ACCESS TEE

Size mm OD/ID	Description	Code	UoM
32/40 x 1/2"	EF/BSPT	FUATSC32-40/0.5	n
32/40 x 3/4"	EF/BSPT	FUATSC32-40/0.75	n



Information

Please contact us to request a brochure covering the complete range of PLX Dual Contained Fuel pipe system



BS TYPE 2 HYDRANT

Size mm	Code	UoM
DN80	FHYDT280	n



HYDRANT THROUGH BORE

Size mm	Code	UoM
DN80	FHYDTB	n



FM USA TYPE HYDRANT

Size mm	Code	UoM
DN150	FHYDFM	n



DI DUCK FOOT ELBOW

Size mm	Code	UoM
DN80	FDFE80	n
DN100	FDFE100	n
DN150	FDFE150	n
DN200	FDFE200	n
DN250	FDFE250	n
DN300	FDFE300	n



DI RISER SPOOL 300mm

Size mm	Code	UoM
DN80	FR300-80	n
DN100	FR300-100	n
DN150	FR300-150	n
DN200	FR300-200	n
DN250	FR300-250	n
DN300	FR300-300	n



DI RISER SPOOL 500mm

Size mm	Code	UoM
DN80	FR500-80	n
DN100	FR500-100	n
DN150	FR500-150	n
DN200	FR500-200	n
DN250	FR500-250	n
DN300	FR500-300	n



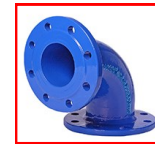
DI RISER SPOOL 1000mm

Size mm	Code	UoM
DN80	FR1000-80	n
DN100	FR1000-100	n
DN150	FR1000-150	n
DN200	FR1000-200	n
DN250	FR1000-250	n
DN300	FR1000-300	n



DI ALL FLANGED TEE

Size mm	Code	UoM
DN80	FAFT80	n
DN100	FAFT100	n
DN150	FAFT150	n
DN200	FAFT200	n
DN250	FAFT250	n
DN300	FAFT300	n



DI FLANGED 90 DEG ELBOW

Size mm	Code	UoM
DN80	FFE90-80	n
DN100	FFE90-100	n
DN150	FFE90-150	n
DN200	FFE90-200	n
DN250	FFE90-250	n
DN300	FFE90-300	n



DI SOCKETED PIPE

Size mm	Code	UoM
DN80	FSP-80	n
DN100	FSP-100	n
DN150	FSP-150	n
DN200	FSP-200	n
DN250	FSP-250	n
DN300	FSP-300	n



DI FLANGED SPIGOT 300mm

Size mm	Code	UoM
DN80	FFS300-80	n
DN100	FFS300-100	n
DN150	FFS300-150	n
DN200	FFS300-200	n
DN250	FFS300-250	n
DN300	FFS300-300	n



DI FLANGED SPIGOT 500mm

Size mm	Code	UoM
DN80	FFS500-80	n
DN100	FFS500-100	n
DN150	FFS500-150	n
DN200	FFS500-200	n
DN250	FFS500-250	n
DN300	FFS500-300	n



Information

We can supply Ductile Iron pipes and fittings in sizes from DN80 to DN2000. Please contact us with your requirements



HYDRANT STAND PIPE

Size mm	Code	UoM
2 1/2"	FIHSP2.5	n



MANHOLE COVER KEY

Size mm	Code	UoM
18" Reach	FIMCK18	n



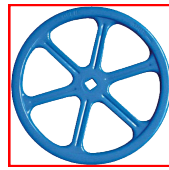
HYDRANT STAND PIPE KEY

Size mm	Code	UoM
1000 long	FISPK1000	n



STOP TAP KEY

Size mm	Code	UoM
1000 long	FISTK1000	n



VALVE HAND WHEEL

Size mm	Code	UoM
Std gate valve	FIVHWSTD	n



VALVE KEY

Size mm	Code	UoM
BS5163 cap	FIVKCAP	n



HYDRANT MARKER PLATE

Size mm	Code	UoM
0-9 numbers	FIHMPL	n



HYDRANT MARKER POST

Size mm	Code	UoM
PLASTIC	FIHMPO-PL	n
CONCRETE	FIHMPO-CO	n



Information

For hydrant chambers (Concrete & Plastic), and hydrant covers please see the Water section of this guide

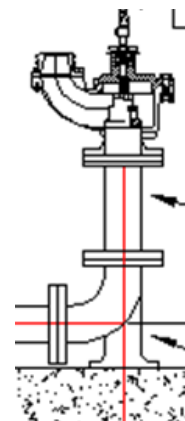
PUSH-FIT fire hydrant duck foot



The Reinogrip full end-restraint fire hydrant duck foot incorporates a newly developed composite flange which is corrosion resistant, lightweight and therefore easier to handle.

The new flange design features a 'cup spring' which maintains bolt pre-tension permanently resulting in a much safer and reliable fire hydrant assembly.

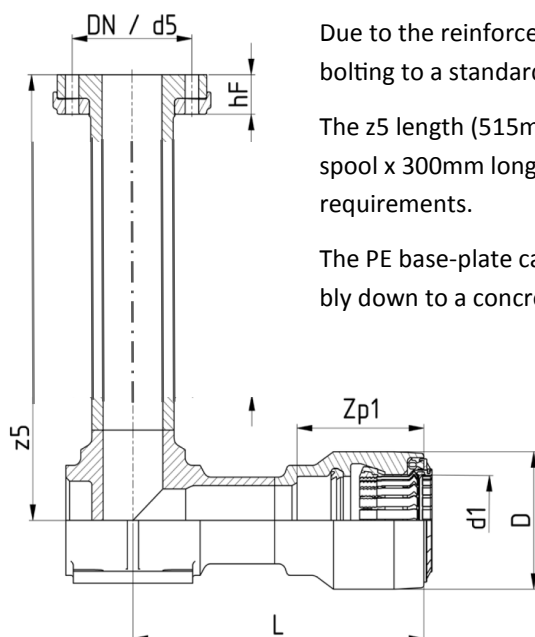
In addition to the features above the PE flange has been made to DN110 dimensions, ie; thicker and stronger than a standard DN80 flange.



Replace this

Notes.

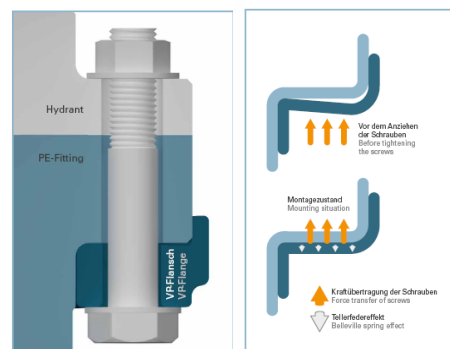
Tolerances; $L = \pm 5\text{mm}$, $Z5 = \pm 5\text{mm}$



Due to the reinforced flange extra long bolts should be used, ie; M16 x 100 when bolting to a standard BS Type 2 hydrant.

The z5 length (515mm) is the equivalent dimension as a 3" DI duck foot and a 3" DI spool x 300mm long. The z5 dimension can be specified to suit your own particular requirements.

The PE base-plate can easily be drilled in 4 corners should you need to bolt the assembly down to a concrete base.



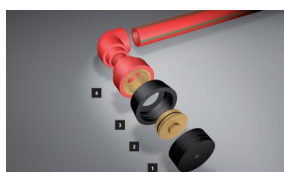
							weight
d_1	DN/ d_5	z_{p1}	z_5	h_F	D	L	kg
90	80/110	140	515	50	152	355	7,2
110	80/110	170	515	50	175	390	8,0
125	80/110	172	515	50	190	405	9,8

Aquatherm red

Polypropylene pipework for sprinkler systems

BENEFITS

- **Lightweight**, especially compared to an equivalent sized steel pipes and fittings
- Fast and simple to install **reducing site installation times**
- **No chance of 'dry' joints**, all joints display a visible weld bead after fusion has been run. Fittings can not be assembled dry. **Fully fused homogenous system.**
- **No extended curing times**, thus saving on; **installation times** system can be hydraulically tested immediately after installation. **Future modifications and/or repairs** can be completed and tested without having to wait for curing times. **Health & safety issues** avoided due to not using solvents as used in other plastic systems making a cleaner and safer working environment.
- **Minimum skills required.** Semi-automated jointing process, not relying on brushing solvents onto the surfaces in an ad-hoc manner. Also eases the process of recruiting installation operatives.
- **Corrosion resistant**—100% plastic resists a wide range of chemicals.
- **Comprehensive** range of fittings available to cover most eventualities. Sizes from 20mm to 160mm
- **LPCB approved & FM approved.** For use with sprinkler systems in the UK
- Weld-in saddle technique useful **for post-installation modifications** and saving installation times when installing
- Proven system based on in **excess of 20 years use** throughout Europe
- **Bracketing centres** wider than other plastic systems thus saving installation time and the cost of bracketing.
- **Environmentally friendly** 100% recyclable.
- Low pipe roughness factor and **high abrasion resistance.**
- **High impact strength** when compared with other plastic systems. PP is even used to manufacture vehicle bodies due to its high impact resistance.

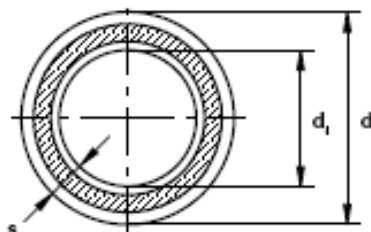


Aquatherm red

Polypropylene pipework for sprinkler systems

Fire

Material: PP-R FS
Pipe series: SDR 7,4
Packing Unit: straight length à 6 m
Colour: red/4 green stripes



aquatherm red pipe PIPE SDR 7,4 / B1

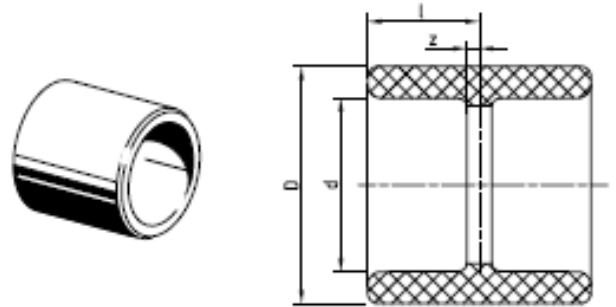
Art.-No.	Dimension	DN	PU m/pc	Price m/pc	Diameter d [mm]	Wall thickness s [mm]	Internal diameter d _i [mm]	Water content [l/m]	Weight [kg/m]
4170708	20 x 2,8 mm	10	120		20	2,8	14,4	0,152	0,158
4170710	25 x 3,5 mm	15	120		25	3,5	18	0,236	0,246
4170712	32 x 4,4 mm	20	60		32	4,4	23,2	0,379	0,394
4170714	40 x 5,5 mm	25	60		40	5,5	29	0,590	0,613
4170716	50 x 6,9 mm	32	30		50	6,9	36,2	0,919	0,955
4170718	63 x 8,6 mm	40	30		63	8,6	45,8	1,444	1,500
4170720	75 x 10,3 mm	50	18		75	10,3	54,4	2,054	2,135
4170722	90 x 12,3 mm	65	12		90	12,3	65,4	2,943	3,058
4170724	110 x 15,1 mm	80	6		110	15,1	79,8	4,403	4,576
4170726	125 x 17,1 mm	90	6		125	17,1	90,8	5,669	5,891

aquatherm red pipe PIPE SDR 11 / B1

Art.-No.	Dimension	DN	PU m/pc	Price m/pc	Diameter d [mm]	Wall thickness s [mm]	Internal diameter d _i [mm]	Water content [l/m]	Weight [kg/m]
4170130	160x14,6 mm	125	6		160	14,6	130,8	15,792	4,360

Aquatherm red

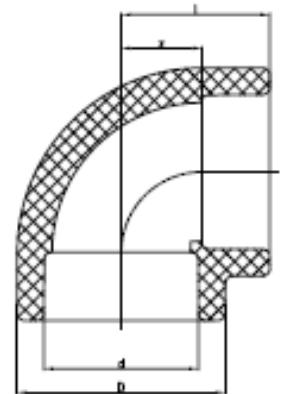
Polypropylene pipework for sprinkler systems



aquatherm red pipe SOCKET / B1

Art.-No.	Dimension	PU m/pc	Price m/pc	Price EURO	d	l	z	D	Weight [kg/m]
4111008	20 mm	10	1		20	16	1,5	29,5	0,011
4111010	25 mm	10	1		25	17,5	1,5	34	0,018
4111012	32 mm	5	1		32	20,3	2,3	43	0,027
4111014	40 mm	5	1		40	23,8	3,3	52	0,043
4111016	50 mm	5	1		50	26,5	3	68	0,067
4111018	63 mm	1	1		63	30,3	2,8	84	0,125
4111020	75 mm	1	1		75	36,3	3,3	100	0,208
4111022	90 mm	1	1		90	36,3	3,3	120	0,332
4111024	110 mm	1	1		110	41	4	147	0,592
4111026	125 mm	1	1		125	46	6	167	0,809

FITTINGS



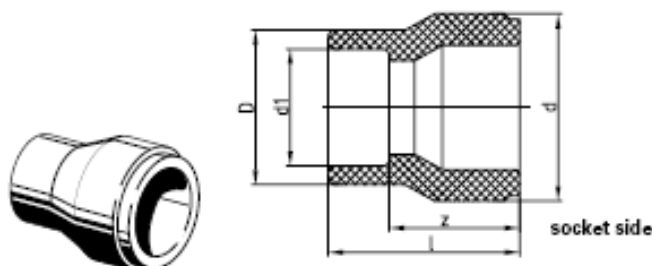
aquatherm red pipe ELBOW 90°/ B1

SDR	Art.-No.	Dimension	PU m/pc	Price m/pc	Price EURO	d	z	l	D	Weight
7,4	socket welding									
	4112108	20 mm	10	1		20	11	25,5	29,5	0,018
	4112110	25 mm	10	1		25	13,5	29,5	34	0,025
	4112112	32 mm	5	1		32	17	35	43	0,041
	4112114	40 mm	5	1		40	21	41,5	52	0,071
	4112116	50 mm	5	1		50	26	49,5	68	0,161
	4112118	63 mm	1	1		63	32,5	60	84	0,277
	4112120	75 mm	1	1		75	38,5	68,5	100	0,447
	4112122	90 mm	1	1		90	46	79	120	0,802
	4112124	110 mm	1	1		110	56	93	147	1,412
	4112126	125 mm	1	1		125	76,5	116,5	167	1,964
11	butt welding									
	4112131	160 mm	1	1		160				

Aquatherm red

Polypropylene pipework for sprinkler systems

Fire



aquatherm red pipe REDUCER / B1

SDR	Art.-No.	Dimension	PU m/pc	Price m/pc	Price EURO	d	d1	l	z	D	Weight
7,4	socket welding										
	4111112	25/20 mm	10	1		25	20	38,5	24	29,5	0,013
	4111116	32/25 mm	5	1		32	25	38	22	34	0,021
	4111122	40/32 mm	5	1		40	32	50	32	43	0,035
	4111124	50/20 mm	5	1		50	20	55	40,5	29,5	0,044
	4111128	50/32 mm	5	1		50	32	54	36	43	0,052
	4111130	50/40 mm	5	1		50	40	53	32,5	52	0,057
	4111131	63/20 mm	1	1		63	20	65	50,5	29,5	0,074
	4111136	63/50 mm	1	1		63	50	63,5	40	68	0,116
	4111140	75/50 mm	1	1		75	50	63	39,5	68	0,109
	4111142	75/63 mm	1	1		75	63	71	43,5	64	0,131
	4111152	90/63 mm	1	1		90	63	78	50,5	64	0,244
	4111153	90/75 mm	1	1		90	75	81,5	51,5	100	0,288
	4111155	110/63 mm	1	1		110	63	86	58,5	64	0,349
	4111159	110/90 mm	1	1		110	90	99	66	120	0,531
	4111163	125/90 mm	1	1		125	90	99	66	120	0,531
	4111165	125/110 mm	1	1		125	110	112	75	147	0,819
11	butt welding										
	4111175	160/110 mm	1	1		160	110	90	53	147	1,024
	4111177	160/125 mm	1	1		160	125	90	50	167	0,940



Information

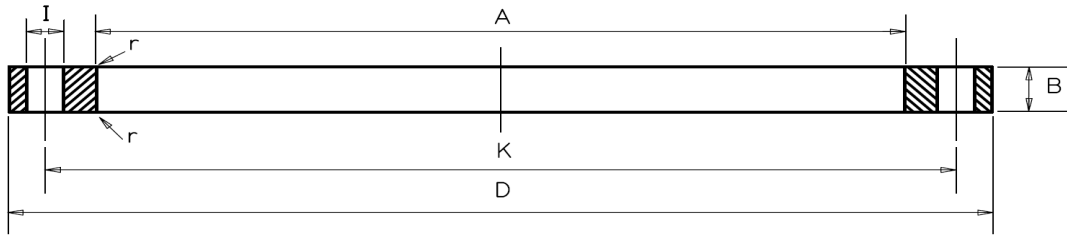
Please contact us to request a brochure covering the complete range of AQUATHERM PP pipework for Sprinkler systems

Backing rings

Drilling/size:- DIN PN16

Suitable for:- BUTT weld fittings

Material: Hot dipped galvanised mild steel



Code	d mm	DN mm	D	A	K	B	I	No. Holes
724.701.606	20	15	95	28	65	8	14	4
724.701.607	25	20	105	34	75	8	14	4
724.701.608	32	25	115	42	85	8	14	4
724.701.609	40	32	140	51	100	8	18	4
724.701.610	50	40	150	62	110	8	18	4
724.701.611	63	50	165	78	125	10	18	4
724.701.612	75	65	185	92	145	10	18	4
724.701.613	90	80	200	110	160	10	18	8
724.700.914	110	100	220	128	180	10	18	8
724.700.915	125	100	220	135	180	10	18	8
724.700.916	140	125	250	158	210	10	18	8
724.700.917	160	150	285	178	240	10	22	8
724.700.918	180	150	285	186	240	10	22	8
724.700.969	200	200	340	235	295	10	22	12
724.700.970	225	200	340	238	295	10	22	12
724.700.971	250	250	405	288	355	15	26	12
724.700.972	280	250	405	294	355	15	26	12
724.700.973	315	300	460	338	410	15	26	12
724.700.924	355	350	520	375	470	20	26	16
724.700.925	400	400	580	430	525	25	30	16
724.700.926	450	450	640	490	585	25	30	20
724.700.927	500	500	715	535	650	30	33	20
724.700.928	560	600	840	620	770	42	36	20
724.700.929	630	600	840	645	770	44	36	20
724.700.930	710	700	910	740	840	50	36	24
724.700.931	800	800	1025	843	950	56	39	24
724.700.932	900	900	1125	947	1050	62	39	28
724.700.933	1000	1000	1255	1050	1170	68	42	28
724.700.934	1200	1200	1485	1260	1390	76	48	32



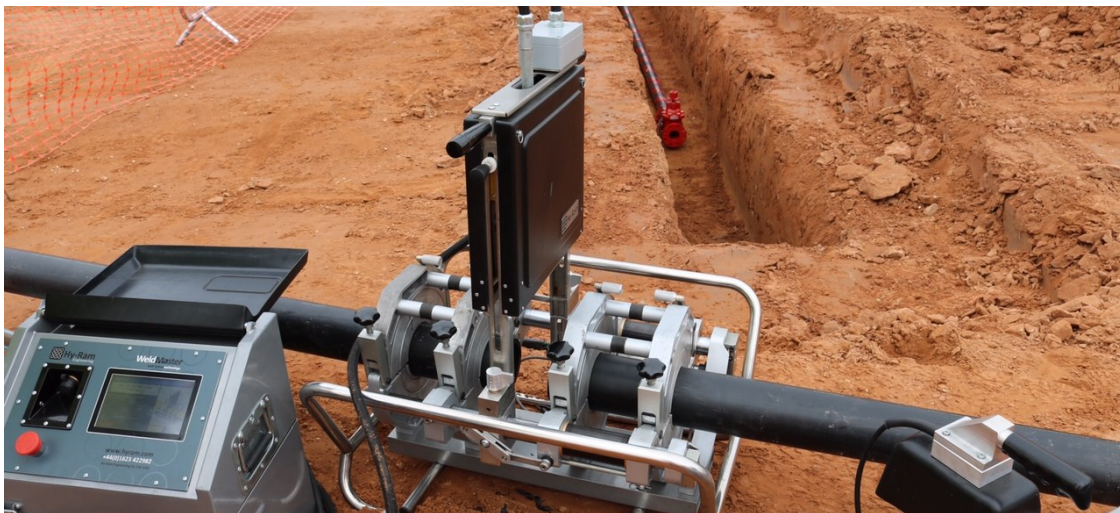
Information

Other sizes, drillings, materials and specifications available,
please contact us with your requirements



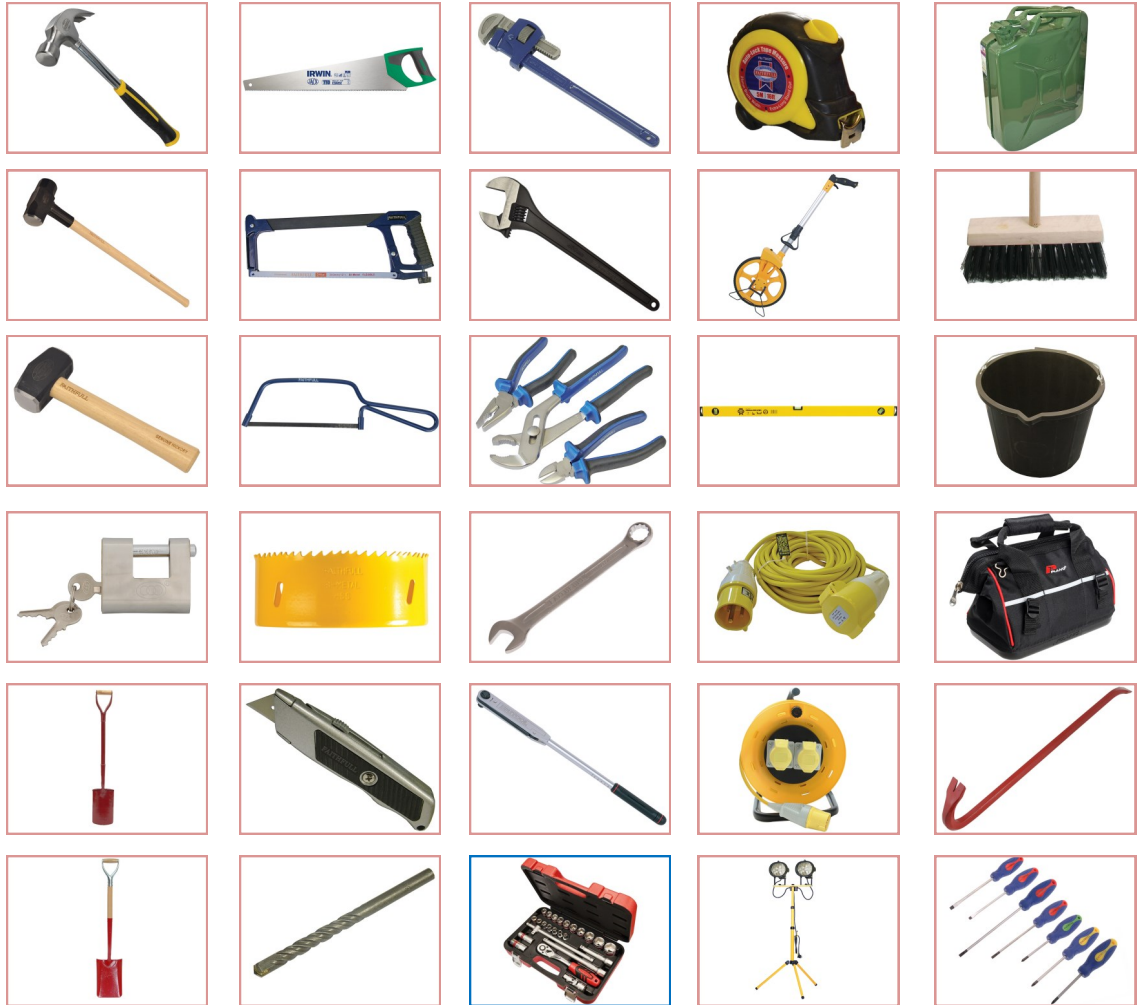
Equipment

Fusion welding machines, test gauges, test pumps, extension reels, pipe scrapers, generators, squeeze off tools, tents etc etc ...



Pipeline Plus supplies a wide range of Pipeline equipment from some of the worlds leading manufacturers. Please contact us with your requirements

Tools



Tools

Hand tools, electric tools, cutting tools, spades, spanners, crow bars, 110v extension cables, site lights, screw drivers, hole cutters etc etc ...



We supply a wide range of of tools and equipment from major brands such as....



Please contact us with your requirements....



HI-VIZ MOTORWAY JACKET

Size	Code	UoM
L (44")	WVMJYL	n
XL (48")	WVMJYXL	n
M (41")	WVMJYM	n
XXL (52")	WVMJYXXL	n



HI-VIZ MOTORWAY JACKET

Size	Code	UoM
L (44")	WVMJOL	n
XL (48")	WVMJOXL	n
M (41")	WVMJOM	n
XXL (52")	WVMJOXXL	n



HI-VIZ WAISTCOAT

Size	Code	UoM
L (44")	WVWYL	n
XL (48")	WVWYXL	n
M (41")	WVWYM	n
XXL (52")	WVWYXXL	n



HI-VIZ WAISTCOAT

Size	Code	UoM
L (44")	WVWOL	n
XL (48")	WVWOXL	n
M (41")	WVWOM	n
XXL (52")	WVWOXXL	n



HI-VIZ MOTORWAY TROUSER

Size	Code	UoM
L (40")	WVMTYL	n
XL (44")	WVMTYXL	n
M (36")	WVMTYM	n
XXL (48")	WVMTYXXL	n



HI-VIZ MOTORWAY TROUSER

Size	Code	UoM
L (40")	WVMTOL	n
XL (44")	WVMTOXL	n
M (36")	WVMTOM	n
XXL (48")	WVMTOXXL	n



HI-VIZ BOMBER JACKET

Size	Code	UoM
L (44")	WVBJYL	n
XL (48")	WVBJYXL	n
M (41")	WVBJYM	n
XXL (52")	WVBJYXXL	n



HI-VIZ BOMBER JACKET

Size	Code	UoM
L (44")	WVBJOL	n
XL (48")	WVBJOXL	n
M (41")	WVBJOM	n
XXL (52")	WVBJOXXL	n



HI-VIZ YELLOW POLO SHIRT

Size	Code	UoM
L (44")	WVPSYL	n
XL (48")	WVPSYXL	n
M (41")	WVPSYM	n
XXL (52")	WVPSYXXL	n



HI-VIZ FULL ZIP FLEECE

Size	Code	UoM
L (44")	WVPSOL	n
XL (48")	WVPSOXL	n
M (41")	WVPSOM	n
XXL (52")	WVPSOXXL	n

We supply a wide range of workwear, safety footwear and PPE from major brands such as....



Please contact us with your requirements....



SAFETY WELLINGTONS

Size	Code	UoM
UK 6	WWELSAF6	n
UK 7	WWELSAF7	n
UK 8	WWELSAF8	n
UK 9	WWELSAF9	n
UK 10	WWELSAF10	n
UK 11	WWELSAF11	n
UK 12	WWELSAF12	n



SERVAL ANKLE BOOTS

Size	Code	UoM
UK 6	WBOOAN6	n
UK 7	WBOOAN7	n
UK 8	WBOOAN8	n
UK 9	WBOOAN9	n
UK 10	WBOOAN10	n
UK 11	WBOOAN11	n
UK 12	WBOOAN12	n



NON SAFETY WELLINGTONS

Size	Code	UoM
UK 6	WWEL6	n
UK 7	WWEL7	n
UK 8	WWEL8	n
UK 9	WWEL9	n
UK 10	WWEL10	n
UK 11	WWEL11	n
UK 12	WWEL12	n



CARACAL SAFETY TRAINERS

Size	Code	UoM
UK 6	WBOOTR6	n
UK 7	WBOOTR7	n
UK 8	WBOOTR8	n
UK 9	WBOOTR9	n
UK 10	WBOOTR10	n
UK 11	WBOOTR11	n
UK 12	WBOOTR12	n



LINED TAN RIGGER BOOTS

Size	Code	UoM
UK 6	WBOORIG6	n
UK 7	WBOORIG7	n
UK 8	WBOORIG8	n
UK 9	WBOORIG9	n
UK 10	WBOORIG10	n
UK 11	WBOORIG11	n
UK 12	WBOORIG12	n



OCELOT DEALER SAFETY BOOTS

Size	Code	UoM
UK 6	WBOODE6	n
UK 7	WBOODE7	n
UK 8	WBOODE8	n
UK 9	WBOODE9	n
UK 10	WBOODE10	n
UK 11	WBOODE11	n
UK 12	WBOODE12	n



NUBUCK SAFETY BOOTS

Size	Code	UoM
UK 6	WBOONU6	n
UK 7	WBOONU7	n
UK 8	WBOONU8	n
UK 9	WBOONU9	n
UK 10	WBOONU10	n
UK 11	WBOONU11	n
UK 12	WBOONU12	n



STORM SAFETY HIKER BOOTS

Size	Code	UoM
UK 6	WBOOHI6	n
UK 7	WBOOHI7	n
UK 8	WBOOHI8	n
UK 9	WBOOHI9	n
UK 10	WBOOHI10	n
UK 11	WBOOHI11	n
UK 12	WBOOHI12	n

We supply a wide range of workwear, safety footwear and PPE from major brands such as....



Please contact us with your requirements....



Workwear

Hi-viz coats, trousers, vests, waterproofs, boots, wellies, fleeces etc etc

We supply a wide range of workwear, safety footwear and PPE from major brands such as....



Please contact us with your requirements....

PPE



PPE

Hard hats, safety glass's, dust masks, gloves, goggles, etc etc



We supply a wide range of workwear, safety footwear and PPE from major brands such as....



Please contact us with your requirements....

General

1.1 In these conditions "the company" shall mean Pipeline Plus Ltd and "the products" shall mean all goods and services and associated documentation to be supplied under this contract. "Writing" includes telex, cable, facsimile transmission, electronic data transfer and comparable means of communication. All quotations are made and all orders are accepted subject to these conditions. All other terms Conditions or warranties whatsoever are excluded from the contract or any variation thereof unless expressly accepted by the Company in writing (order acknowledgements do not constitute such acceptance). In particular in no circumstances of purchase submitted at any time by the customer be applied to this or any other Contract and any failure by the company to challenge any such conditions of purchase does not imply acceptance of those conditions of purchase. In the event of a conflict between these conditions and the specific terms of the quotation then the latter shall prevail. Accepted by the customer of delivery of the products shall be deemed to constitute unqualified acceptance of these conditions.

1.2 Unless otherwise stated therein quotations shall be available for acceptance for a maximum period of 30 days from issue and may be withdrawn at any time by written or oral notice.

1.3 Any statement or representation (other than in the company's quotation or order acknowledgement) by the company its servants or agents it wishes to relay must be set out in writing and attached to or endorsed on the customers order and in any such case the company may confirm, reject or clarify the point and submit a new quotation. Any statement or representation, which, is not so confirmed in writing, is followed or acted upon entirely at the customer's, own risk.

1.4 The contract is between the company and the customer as principals; neither the benefit nor the burden is assignable by the customer without the company's consent; the contract may be assigned or subcontracted by the company.

1.5 Unless specifically agreed to the contrary all the trade terms shall be interpreted in accordance with current INCOTERMS.

1.6 If subsequent to any contract of sale which is subject to these conditions, a contract of sale is made with the same customer without reference to any conditions of sale or purchase, such contract howsoever made shall be deemed to be subject to these conditions or (if different) the standard conditions of sale of the company current at the time of such contract of sale is made.

Electronic Trading

2.1 If the company and customer agree that electronic trading between them shall be a basis for order processing and invoicing then the Standard Interchange Agreement (3rd Edition December 1993 as amended or revised from time to time) of the Electronic Commerce Association (or any successor body or association) shall be incorporated into the contract by reference. If and to the extent any conflict or inconsistency between these conditions and the Standard Interchange Agreement, the former shall prevail.

2.2 Electronic orders shall be valid if all the information agreed between the customer and the company as being required is properly set out in the agreed format and the order is transmitted by the customer to the company by reference to the correct identification code and is received by the company when collecting its electronic mail from the relevant system.

2.3 Each valid electronic order will be deemed accepted by the company unless the company communicates rejection of the order by electronic of other means (including telephone) within 2 working days of receipt. Acceptance of an order shall constitute a contract for sale and purchase to which these conditions and the Standard Interchange Agreement shall apply.

Delivery

3.1 Unless otherwise agreed in writing by the company delivery shall be deemed to take place in the case

of ex-works sales when the products are made available by the company for collection by the customer or its carrier and in all other cases upon delivery by the company to the agreed mainland UK delivery point airport or port but before the products are unloaded, which shall be the responsibility of the customer.

3.2 The company shall not be obliged to make delivery unless and until the company has received all the necessary information drawings and final instructions and approvals from the customer and any delays or alterations by the customer may result in delayed delivery for which the company shall not be responsible.

3.3 All dates and periods for delivery are estimated and do not constitute fixed times for delivery by the company unless otherwise expressly agreed in writing by the company the customer shall have no right to damages or to cancel the contract for failure arising from any cause to meet any delivery times given in the contract or subsequently set.

3.4 Notwithstanding clause 3.3 the customer shall be obliged to accept delivery on the date or within the period stated in the quotation or order acknowledgement or (if none is so stated) in the order of (if none is so stated) one month after the issue or notice in writing by the company requiring the customer to accept delivery. Failure by the customer either to take delivery or to make payment in respect of one or more instalments of products shall entitle the company to terminate the contract. (Such right is without prejudice to any other rights and remedies available to the company) whether expressly provided for in these conditions or implied by any rule of Law.

3.5 Where the customer requests and the company agrees to postpone delivery or where delivery is otherwise postponed without default by the company the customer shall pay upon receipt of written demand from the company all costs and expenses including a reasonable charge for storage and transportation occasioned thereby and the customer shall pay for the products in accordance with these conditions as if the same had been delivered in the ordinary course without reference to the postponement. In addition the company shall be entitled to claim interest pursuant to clause 7.3.2 of these conditions from the date which payment would have fallen due had the products been delivered in the ordinary course but for the postponement.

3.6 Unless otherwise expressly agreed in writing the company may affect delivery in one or more instalments. Where delivery is affected by instalment shall be treated as a separate contract governed by these conditions. No delay in the delivery of any instalment of products or any defect therein shall entitle the customer to terminate the remainder of the contract.

Risk and Title

4.1 Risk of damage to or loss of the products shall pass to the customer upon delivery and the customer is then solely responsible for all loss damage or deterioration to the products.

4.2 Title to the products shall not pass to the customer until either:

4.2.1 The Company has received in cash or cleared funds all monies payable (whether or not due).

4.2.2 When the company serves the customer notice in writing specifying that title in the products or any part thereof has passed.

4.3 Until title has passed to the customer the company may require the customer to deliver up to the company all products in respect of which the company has title and if the customer fails to do so forthwith the company's officers, employees, representatives or agents shall be entitled to enter upon any premises where such products are kept for the purpose of recovering the same.

4.4 Until title of the products has passed to the customer pursuant to these conditions it shall possess the products as fiduciary agent and bailor of the company and shall store the products separately from other goods not owned by the company and shall ensure that they are fully insured on an all risks basis and

clearly identifiable as belonging to the company and the company shall be entitled to enter upon any premises where such products are kept for the purpose of satisfying itself that this condition is being complied with by the customer.

4.5 In the event that the customer has any controls with any other company under the ultimate control of the parent company that has the ultimate control of the company under which any monies are outstanding (whether or not due) the customer shall not (notwithstanding that the title would otherwise pass pursuant to clause 4.2 above) obtain title to the products or other goods supplied by the company under this or any other contracts between them until such other company has received in cash or cleared hands all such monies.

Cancellation and Amendment

5 No contract can be amended or cancelled except with the company's approval in writing and should such approval be given the customer shall indemnify the company against any costs losses or expenses resulting from any cancellation or amendment.

Prices

6.1 Unless otherwise agreed in writing all prices are net for delivery ex works and vat and any other applicable taxes are payable in addition. Unless otherwise stipulated by the company in writing prices are payable in sterling currency or if the sterling currency should cease to exist when the contract is made, shall be payable in such currency as replaces the sterling currency.

6.2 The company shall be entitled at any time by giving notice in writing, before, at or after final invoicing, to make a reasonable adjustment to the price in the event of any alteration in quantity design or specification requested by the customer.

6.3 The company reserves the right at any time prior to delivery by giving notice in writing to increase the price if there is any increase in the cost of materials labour transport or utilities or if the costs of the company are increased by any other factor beyond the reasonable control of the company.

6.4 Charges made on the company's invoice for cases will be credited on their return to the company's premises carriage paid and in good reusable condition. Cases shown as returnable but not charged on the company's invoice must be returned to the company's premises carriage paid and in good re-useable condition otherwise an additional charge will be made in respect of their cost.

6.5 The customer shall be liable to the company for any demurrage costs incurred in the event of vehicles being unduly delayed at the point of delivery.

Terms Of Payment

7.1 Unless otherwise agreed by the company in writing payment shall be made within 30 days of the date of the company's invoice. The company shall be entitled to issue invoices in the month in which the products are delivered or would have been delivered save for postponement otherwise than due to default on the part of the company. Time for payment of the price is of the essence of the contract.

7.2 No disputes arising under this contract shall serve to permit payment by the customer of sums due to the company to be delayed nor shall disputes interfere with prompt payment in full. The buyer shall not be entitled to make any deductions from sums owing to the company by reason of any such dispute.

7.3 In the event of default in payment by the customer the company shall be entitled without prejudice to any other right or remedy;

7.3.1 To suspend without notice all further deliveries on this or any other contracts between the company and the customer;

7.3.2 To charge interest on a daily basis (after as well as before judgement) on any amount outstanding at the rate of 8% above the Bank of England Reference Rate from time to time; and/or

7.3.3 To serve notice on the customer requiring immediate payment for all goods supplied by the company under this and all other contracts between them whether or not payment is otherwise due or invoiced.

Specifications

8.1 Subject to clause 8.2 the products shall in all material respects be of such specification agreed between the company and the customer under the contract, or (if not so agreed) shall be generally in all material respects in accordance with any published specification issued by the company;

8.2 The company reserves the right to make changes in dimensions or other specifications of the products as are required to conform to applicable standards or laws or are otherwise within reasonable limits having regard to the nature of the products. Dimensions specified by the company are to be treated as approximate only unless it is specifically agreed in writing that exact measurements are required.

Loss Shortages And Damages Apparent On Delivery Inspections

9.1 The customer shall have no claim for loss, shortages or damage on delivery which are or would be apparent on inspection unless the customer:

9.1.1 unpacks and inspects the products as soon as reasonably practical following receipt;

9.1.2 notifies the company of any loss or damage (otherwise than by a qualified signature on the delivery note) within ten working days of receipt; and

9.1.3 demonstrates to the satisfaction of the company that such loss, shortages or damage occurred prior to delivery.

9.2 The customer shall have no rights in respect of the loss, shortages or damage unless the company is given a reasonable opportunity to inspect the products and investigate any complaint before any use of or alteration to or interference with the products.

9.3 On a valid complaint made in accordance with this clause 9 the customer shall be entitled (in the case of notified shortages) to receive within a reasonable time a delivery of products equivalent to the shortfall and (in the case of defects) to repairs or replacements for the affected products or at the company's option a credit for the price thereof but the company shall have no further liability whatsoever. If a complaint of loss shortages or damage on delivery is not made to the company in accordance with this clause 9 then the products shall be deemed to be complete and undamaged in accordance with the contract and the customer shall be bound to pass for the same accordingly.

9.4 Loss shortages or damage in a delivery or any instalment delivery shall not be a ground for termination of the contract or the remainder of the contract (as the case may be).

Warranty

10.1 The company warrants that products which do not comply with either clause 8.1 or sections 13 to 15 of the Sale of Goods Act 1979 (as amended by the Sale and Supply Of Goods Act 1994) or are shown to have been defective at delivery as a result of faulty design workmanship or materials (other than free issue materials). Shall either be repaired or replaced or that, at the company's option a credit or refund for the price thereof shall be given provided always that:

10.1.1 The Company receives written notice of the defect within twelve months of the delivery;

10.1.2 No alteration to or interference with the products takes place before the company is given access to the products to inspect and test the same;

10.1.3 the defect does not consist of a loss shortage or damage to which clause 9 is expressed to apply;

10.1.4 the defect does not arise by reason of a design

specification or instruction given by the customer:

10.1.5 the customer has not defaulted in its obligation to make payment of the contract price for the products;

10.1.6 The defect shall not be attributable to incorrect storage or use of the products by the customer;

10.2 The benefit clause 10.1 shall only extend to products or parts not manufactured by the company to the extent that the company has equivalent recourse against the manufacturer or supplier thereof.

10.3 The customer shall indemnify the company in respect of the loss or damage from any use made of products after the customer became or ought reasonably to have been aware of the defect.

10.4 In the event of a valid claim being made in accordance with clause 10.1:

10.4.1 the customer shall be bound to accept repaired or replacement products or at the company's option credit or repayment and shall not be entitled to terminate the contract;

10.4.2 If the company does not repair or replace products within 60 days or such longer time as may be reasonable then the customer's sole remedy shall be an entitlement to full credit or repayment on respective of the defective products, and the company shall be under no further liability in respect of any loss or damage arising from the defect of from any delay before repair replacement credit or refund is effected.

Liability

11.1 The company does not exclude liability arising under section 12 of The Sale of Goods Act 1979 (good title) (as amended by the Sale and Supply Act 1994) or for death or personal injury caused by this negligence as defined in the Unfair contract terms Act 1977

11.2 Save as provided under clauses 9, 10 and 11.1 the company shall have no liability to the customer in connection with or arising from any defect or failure in the products or otherwise due to the quality condition suitability durability safety or any other aspect or feature of the products. Save for death or personal injury attributable to the proven negligence of the company, the company's liability whether in respect of one claim or in the aggregate shall not exceed the contract price payable under this contract for the supply of products to be provided under it. The customer acknowledges that the limitation of the company's liability is reasonable in all the circumstances and the customer agrees that it is its own responsibility to insure adequately to cover any loss or damage in excess of the aforesaid limit of the company's liability. Subject to reaching agreement on terms, the company and the customer may determine an increased level of liability which is to be accepted in writing by the company to cover, in particular specific types of loss or damage which both parties reasonably foresee and anticipate.

11.3 In clause 11.2 the term "liability" means any form of liability whatsoever including but not limited to liability in misrepresentation and under contract common law equity and any statutory provision whether or not based on negligence or breach of any implied duty to act with care or skill.

11.4 Notwithstanding any other provisions of these conditions the customer shall have no claim against the company in respect of any loss other than strictly direct losses (meaning for these purposes the increased costs of purchasing products from a third party or the cost of remedial repair work) and specifically consequential, financial economic loss whether direct or indirect including but not limited to any incidental costs of dismantling fitting or ancillary work required in connection with the provision of a repair or replacement, any loss or production profits contracts. Loss of use or anticipated savings and any claims made against the customer by any third party are excluded even if reasonably foreseeable.

11.5 To the extent that any liability of the company is expressed to be limited or excluded by these conditions the customer shall indemnify the company in respect thereof.

Confidential Information Etc

12. All drawings documents records computer software and other information supplied by the company are supplied on the express understanding that the copyright is reserved to the company and that the customer will not without written consent of the company either give away loan exhibit or sell the same or extracts there from or copies thereof or use the same in any way except in connection with the products in respect of which they are issued.

Patent Indemnities

13.1 If the customer is subject to a claim or threatened with any action alleging that the products in the form supplied infringe any patent or; On right design right or other intellectual property rights then provided that the customer promptly informs and fully cooperates with the company and if requested allows the company the conduct and defence thereof on the customer's behalf, the company will indemnify the (customer against any award of damages for infringement made in any such action by a court or other competent body against the customer. Further, if the products are infringing the customer agrees that the company shall have the option at its expense either to modify the products so that they do not infringe; to replace the products with a substitute; to procure for the customer the right for the customer to continue its use of the products; or to repurchase the products from the customer at the price by the customer less an allowance for the use made thereof.

13.2 The company shall have no liability in respect of claims for infringement or alleged infringement of third parties; patent or other intellectual property rights arising from the manufacture or supply of the products to the customer's instructions or in accordance with designs plans or specifications given by the customer and the customer shall indemnify the company against all losses damages expenses costs or other liability arising from such claims.

Customer's Drawings

14 The customer shall be solely responsible for ensuring that all drawings information advice and recommendations specified or given to the company by the customer or its agents servants consultants or advisers are accurate correct and suitable. Examination or consideration by the company of such drafting information advice or recommendations shall not result in any liability on the part of the company.

Company Literature

15 The information contained in the advertising sales technical and other literature issued by the company may be relied upon to be accurate in the exact circumstances in which it is expressed otherwise any illustrations performance details examples or installations and methods of assemble and all other information and data in such literature are based on experience and upon trials under test conditions and are provided for general guidance only. No such information or data shall form part of the contract unless it is specifically referred to in the quotation or order acknowledgement or the customer shall have complied in respect thereof with clause 1.3

Termination

16.1 Without prejudice to any other rights or remedies of the company it shall be entitled in any of the following circumstances to terminate (in

whole or on part) this and any other contract whenever made between the company and the customer and/or to suspend deliveries and/or to receive upon demand payment of all monies payable under any such contracts whether or not otherwise due;

16.1.1 The customer made or proposes any voluntary arrangement with its creditors or becomes subject to an administration order or becomes bankrupt or goes into liquidation;

16.1.2 An encumbrance takes possession or a receiver is appointed of any property or assets of the customer;

16.1.3 The customer becomes unable to satisfy its debts as they fall due or ceases or threatens to cease to carry on business;

16.1.4 The company reasonably believes that any of the events mentioned above or any equivalent or similar event under any relevant laws to which the customer or any connected person is subject has or may occur;

16.1.5 The customer or any connected person commits any breach of this or any other contract whenever made between the customer and the company.

Force Majeure

17.1 The company shall be excused performance of its obligations whilst and if affected by act of god restriction condition or control, any act done or not done pursuant to a trade dispute whether such dispute involves its employees or not, default by suppliers of the company, shortage of materials or by any other act matter or thing beyond its reasonable control including failure by the other party to carry out anything required for performance of the contract.

17.2 In the event that the company does not perform its obligations by reason of any of the causes referred to in clause 17.1 within six months after the time for performance then the company may by written notice terminate the contract without liability save that the customer shall pay for any products delivered or completed at the time of termination.

Tools

18 Any tools (such as jigs dies, etc) which the company may construct or ascertain specifically in connection with the products shall, notwithstanding any changes the company may make for them, be and remain the company's sole and unencumbered property and in the company's possession and control without restriction.

Free Issue Materials

19.1 Free issue material shall be insured by and remain at the risk of the customer at all times and the company shall be indemnified by the customer against any loss damage injury or expense whatsoever arising directly or indirectly there from and the company shall not be liable for loss of or damage to any such materials during fabrication by the company or by any sub-contractor employed by the company or whilst on the premises of the company or of any sub-contractor or in transit to or from the premises of the company or of any such sub-contractor provided that the company may at its sole discretion make a contribution towards the replacement costs of such materials.

19.2 An allowance for material lost as process of scrap is (where applicable) included in the contract price and no such losses shall be the subject of any claim by the customer or contribution by the company.

19.3 Where materials are supplied by or on behalf of the customer to the company the customer shall be responsible to ensure that the material is of satisfactory quality and is for its purpose and shall indemnify the company against any loss, damage, injury or expenses whatsoever arising directly or indirectly from any fault in or incorrect specification of the said materials.

Consumer Protection Act 1987

20.1 Where the consumer purchases the products for use or incorporation with any composite products to be assembled produced processed packed or supplied by the customer or for resale or supply ancillary to any such composite products or other products supplied by the customer then,

20.1.1 The customer shall forthwith on demand pro-

duce for inspection by the company copies of all written instructions information and warnings to be supplied by the customer in relation there to provided nevertheless that such inspection or right to inspect shall not give rise to any responsibility or liability on the part of the company;

20.1.2 The customer shall indemnify the company against any losses costs and damages that the company may suffer or incur in the event that any claim is made against the company in relation there to if the products did not comprise the defective element thereof or were rendered defective by reason of actions or omissions of the customer (including without limitation the supply of defective free-issue materials) or were rendered defective by reason of instructions or warnings given or omitted by the customer or other reseller.

20.2 For the purpose of clause 20.1 the term "defective" shall be interpreted in accordance with the (limitations contained in part 1 The Consumer Protection Act 1987).

Health and Safety

21 The customer agrees to pay due regard to any information supplied by the company relating to the use for which the products are designed or have been or concerning conditions necessary to ensure that they will be safe and without risk to health at all times when they are being set used chained serviced or maintained by any person and the customer undertakes to take such steps as may be specified by such information or otherwise necessary to ensure that as far as is reasonably practicable the products will be safe and without risk to health at all times as mentioned above.

Law And Jurisdiction etc

22.1 The contract shall be governed and interpreted exclusively according to the Laws of England. The parties hereby agree to submit to the exclusive jurisdiction of the English courts provided that the company may at its option take proceedings in the courts of the state in which the customer is domiciled including action to obtain any remedy (including injunctive relief). In the case of any order for the export of products, the schedule to the Uniform Law on International Sales Act 1967 shall not be in any circumstances apply to the contract and neither shall the limits imposed by the Unfair Contract Terms Act 1977 on the extent to which liability can be excluded or limited.

22.2 No waiver of or delay or failure by the company to exercise any rights or remedies shall prejudice any future or further exercise thereof.

22.3 If any provision of these conditions shall be held invalid or unenforceable in whole or in part then the unaffected provisions shall remain in force and effect. Headings appear for convenience only and shall not affect the construction of these conditions.

22.4 If the contract includes the supply of services and no general conditions of the company relating specifically to the supply of services are made applicable to such services then these conditions shall apply to such services as they would apply to products and in such event clause 10.1 will be deemed to include a reference to sections 3 to 5 of the Supply of Goods and Services Act 1982 (as amended) either in addition to or in place of the reference to sections 13 to 15 of The Sale of Goods Act 1979 (as amended) as may be appropriate. For the avoidance of doubt the following specific provisions apply where the company supplies services to the customer in accordance with clause 22.4.

22.4.1 The company's obligation to provide the services is in any event conditional upon payment of the agreed price for the services Any default or delay in payment according to the terms agreed between the company and the customer shall entitle the company at its option to decline to perform or decline to continue to perform its obligations hereunder but without thereby incurring any liability to the customer.

22.4.2 Save to the extent that by reason of negligence on the part of the company in the performance of the services which results in death or personal injury (which the company does not limit or exclude) the company's liability under the contract shall be limited to the amount of charges paid to the company in return for the services and in particular the company accepts responsibility only for direct and unavoidable loss or damage arising from any negligence in the

provision of services and in particular all other types of loss whether economic, financial, indirect or consequential and whether reasonably foreseeable or not are excluded to the fullest extent permitted by law.

22.4.3 The customer shall lend all such reasonable assistance to the company in the performance or the services as the company shall reasonably require.

22.4.4 The customer shall indemnify and keep the company, its employees, agents and contractors indemnified at all times from and against any loss or damage and injury caused to persons or property in the course of the provision of the services where such loss or damage arises by reason of the customer's negligence or negligence of persons under the control of the customer;

22.4.5 The customer acknowledges and agrees that if due to their act or omission of the customer, the company is not able having attended at the customer's premises to perform the services, the company shall be entitled to claim reasonable costs and expenses from the customer occasioned by any resulting delay in the provision of the services.

22.5 In cases of the sale or supply of products overseas, the following additional provisions shall apply unless otherwise stipulated in writing by the company.

22.5.1 The customer shall be solely responsible for obtaining all necessary import authorisations, the payment of any applicable import taxes, duties or imposts and the company shall be under no obligation to give the customer the notice specified in section 32 (3) of the Sale of Goods Act 1979 (or any re-enactment thereof);

22.5.2 Quotations issued in currency other than sterling may, at the company's option unless otherwise agreed in writing, be subject to amendment in the event of fluctuations in the applicable exchange rate prior to the date of invoice;

22.5.3 Payment in respect of products for export is due on the date specified by the company at the date when the contract is made, in the currency stated in the invoice and in accordance with the method of payment stipulated by the company.

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