



POLYPROPYLENE

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MANUFACTURING STANDARDS

Imperial PP products are generally manufactured in accordance with the following standards:

Pipe - BS4991

Fittings - To suit BS4991

POLYPROPYLENE SYSTEM TEMPERATURE/PRESSURE RELATIONSHIP

Pressure ratings for plastic pipework systems are always quoted at 20°C, it is a fundamental principle of such systems that if the temperature is increased then the pressure rating must be reduced.

Beige PP is suitable for continuous operating temperatures of 0°C to 100°C.

POLYPROPYLENE PIPEWORK SUPPORT CENTRES

In above ground installations it is essential to provide support to ensure that the weight of the pipe and its contents are adequately supported. The recommended maximum support spacing for horizontal runs of polypropylene pipe are given in the table below. Spacings are calculated assuming the pipes are carrying water and are pressure rated at 10 bar.

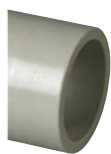
NOMINAL BORE	20°C	40°C	60°C	80°C	100°C
	SPACING GIVEN IN METRES				
1/2"	0.60	0.54	0.49	0.45	0.41
3/4"	0.67	0.60	0.54	0.50	0.46
1"	0.76	0.68	0.61	0.57	0.52
1 1/4"	0.85	0.76	0.69	0.64	0.59
1 1/2"	0.95	0.85	0.77	0.71	0.66
2"	1.07	0.96	0.86	0.80	0.74
3"	1.27	1.15	1.03	0.95	0.88
4"	1.41	1.27	1.14	1.06	0.97
6"	1.70	1.53	1.37	1.27	1.17

CORRECTION FACTORS

PRESSURE	FACTOR
PN3.2	0.81
PN6	0.92
PN12	1.03
PN15	1.06

SEE PAGE 225 FOR TRADITIONAL JOINTING PROCEDURES FOR PP

POLYPROPYLENE PRESSURE PIPE - INCH



SIZE	PART NO	£/M	RATING	PIPE OD	WALL	PIPE ID	WEIGHT
1/2"	031.P.02E	6.34	15 BAR	21.3	2.9	15.5	0.16
3/4"	031.P.03E	8.32	15 BAR	26.7	3.6	19.5	0.25
1"	031.P.04D	10.63	12 BAR	33.5	3.7	26.1	0.33
1 1/4"	031.P.05D	16.03	12 BAR	42.3	4.6	33.1	0.53
1 1/2"	031.P.06C	17.13	9 BAR	48.3	4.1	40.1	0.55
1 1/2"	031.P.06D	20.55	12 BAR	48.3	5.3	37.7	0.69
2"	031.P.07B	18.18	6 BAR	60.3	3.5	53.3	0.61
2"	031.P.07D	29.77	12 BAR	60.3	6.6	47.1	1.07
3"	031.P.09B	37.85	6 BAR	88.9	5.2	78.5	1.32
3"	031.P.09C	52.17	9 BAR	88.9	7.5	73.9	1.85
4"	031.P.10B	57.99	6 BAR	114.3	6.6	101.1	2.16
4"	031.P.10C	78.00	9 BAR	114.3	9.6	95.1	3.04
6"	031.P.12A	59.96	3 BAR	168.4	5.0	158.4	2.45
6"	031.P.12B	118.53	6 BAR	168.4	9.8	148.8	4.71

STANDARD PIPE LENGTH IS 6 METRES.

ALL WALL THICKNESSES AND PIPE ID'S ARE APPROXIMATE VALUES.

PP PRESSURE FITTINGS SOCKET FUSION

SOCKET - PN10



SIZE	PART NO	PRICE
1/2"	031.014.02	2.12
3/4"	031.014.03	2.84
1"	031.014.04	4.05
1 1/4"	031.014.05	6.44
1 1/2"	031.014.06	6.45
2"	031.014.07	9.39
3"	031.014.09	21.77
4"	031.014.10	50.30
6"	031.014.12	96.12

90° BEND - PN10



SIZE	PART NO	PRICE
1/2"	031.054.02	25.06
3/4"	031.054.03	25.17
1"	031.054.04	25.17
1 1/4"	031.054.05	26.31
1 1/2"	031.054.06	27.13
2"	031.054.07	32.06

90° ELBOW - PN10



SIZE	PART NO	PRICE
1/2"	031.034.02	3.62
3/4"	031.034.03	4.41
1"	031.034.04	4.54
1 1/4"	031.034.05	7.89
1 1/2"	031.034.06	7.95
2"	031.034.07	12.81
3"	031.034.09	36.50
4"	031.034.10	74.09

EQUAL TEE - PN10



SIZE	PART NO	PRICE
1/2"	031.064.02	4.54
3/4"	031.064.03	4.85
1"	031.064.04	5.90
1 1/4"	031.064.05	10.99
1 1/2"	031.064.06	12.15
2"	031.064.07	19.52
3"	031.064.09	49.84
4"	031.064.10	95.84

90° ELBOW - PN6

SIZE	PART NO	PRICE
6"	031.034.12	255.96

EQUAL TEE - PN6

SIZE	PART NO	PRICE
6"	031.064.12	416.99

45° ELBOW - PN10



SIZE	PART NO	PRICE
1/2"	031.044.02	4.54
3/4"	031.044.03	4.54
1"	031.044.04	5.90
1 1/4"	031.044.05	9.24
1 1/2"	031.044.06	9.39
2"	031.044.07	12.81
3"	031.044.09	52.55
4"	031.044.10	80.67

CAP



SIZE	PART NO	PRICE
1/2"	031.224.02	2.95
3/4"	031.224.03	4.05
1"	031.224.04	4.29
1 1/4"	031.224.05	6.44
1 1/2"	031.224.06	7.02
2"	031.224.07	9.64
3"	031.224.09	29.98
4"	031.224.10	41.54

45° ELBOW - PN6

SIZE	PART NO	PRICE
6"	031.044.12	211.71

PP PRESSURE FITTINGS SOCKET FUSION

UNION - PN10



SIZE	PART NO	PRICE
1/2"	031.024.02	15.50
3/4"	031.024.03	16.85
1"	031.024.04	21.30
1 1/4"	031.024.05	27.18
1 1/2"	031.024.06	45.78
2"	031.024.07	55.93

FULL FACE FLANGE - UNIVERSAL - PN10



SIZE	PART NO	PRICE
1/2"	031.144.02	9.07
3/4"	031.144.03	11.10
1"	031.144.04	11.57
1 1/4"	031.144.05	14.22
1 1/2"	031.144.06	14.86
2"	031.144.07	20.96
3"	031.144.09	36.50
4"	031.144.10	41.92
6"	031.144.12	77.55

REDUCING BUSH - PN10



SIZE	PART NO	PRICE
3/4" x 1/2"	031.094.0302	8.54
1" x 1/2"	031.094.0402	10.53
1" x 3/4"	031.094.0403	10.53
1 1/4" x 1"	031.094.0504	21.40
1 1/2" x 1"	031.094.0604	12.69
1 1/2" x 1 1/4"	031.094.0605	18.60
2" x 1"	031.094.0704	21.77
2" x 1 1/4"	031.094.0705	27.27
2" x 1 1/2"	031.094.0706	25.16
3" x 1 1/2"	031.094.0906	27.16
3" x 2"	031.094.0907	34.69
4" x 2"	031.094.1007	58.46
4" x 3"	031.094.1009	75.21
6" x 4"	031.094.1210	91.73

FULL FACE FLANGE - UNDRILLED - PN10*



SIZE	PART NO	PRICE
1/2"	031.144.02U	9.07
3/4"	031.144.03U	11.10
1"	031.144.04U	11.57
1 1/4"	031.144.05U	14.22
1 1/2"	031.144.06U	14.86
2"	031.144.07U	20.96
3"	031.144.09U	36.50
4"	031.144.10U	41.92
6"	031.144.12U	77.55

* SPECIAL ORDER ONLY

STUB FLANGE - PN10



SIZE	PART NO	PRICE
1/2"	031.114.02	3.39
3/4"	031.114.03	4.29
1"	031.114.04	4.54
1 1/4"	031.114.05	8.16
1 1/2"	031.114.06	9.07
2"	031.114.07	11.63
3"	031.114.09	31.98
4"	031.114.10	38.28
6"	031.114.12	65.78

BLANK FLANGE - UNIVERSAL - PN10



SIZE	PART NO	PRICE
1/2"	032.171.020	14.48
3/4"	032.171.025	15.62
1"	032.171.032	16.99
1 1/4"	032.171.040	17.48
1 1/2"	032.171.050	18.40
2"	032.171.063	24.93
3"	032.171.090	40.17
4"	032.171.110	46.23
6"	032.171.160	91.85

PP PRESSURE FITTINGS SOCKET FUSION PLAIN/THREADED

SOCKET - PN6



SIZE	PART NO	PRICE
1/2"	031.019.02	4.67
3/4"	031.019.03	6.22
1"	031.019.04	7.32
1 1/4"	031.019.05	9.07
1 1/2"	031.019.06	14.42
2"	031.019.07	18.08
3"	031.019.09	39.13
4"	031.019.10	72.96

NIPPLE - PN6



SIZE	PART NO	PRICE
1/2"	031.259.02	4.05
3/4"	031.259.03	4.29
1"	031.259.04	5.76
1 1/4"	031.259.05	10.23
1 1/2"	031.259.06	11.63
2"	031.259.07	16.11
3"	031.259.09	21.02
4"	031.259.10	37.07

UNION - PN6



SIZE	PART NO	PRICE
1/2"	031.029.02	18.41
3/4"	031.029.03	20.22
1"	031.029.04	24.61
1 1/4"	031.029.05	35.91
1 1/2"	031.029.06	48.31
2"	031.029.07	68.44

TANK CONNECTOR



SIZE	PART NO	PRICE
1 1/2"	031.242.06	27.11

PP PRESSURE FITTINGS THREADED

SOCKET - PN6



SIZE	PART NO	PRICE
1/2"	031.013.02	4.19
3/4"	031.013.03	5.42
1"	031.013.04	6.02
1 1/2"	031.013.06	8.84
2"	031.013.07	12.36
3"	031.013.09	31.73
4"	031.013.10	70.93

EQUAL TEE - PN6



SIZE	PART NO	PRICE
1/2"	031.063.02	8.26
3/4"	031.063.03	9.39
1"	031.063.04	13.38
1 1/2"	031.063.06	15.84
2"	031.063.07	27.65
3"	031.063.09	73.27
4"	031.063.10	137.88

90° ELBOW - PN6



SIZE	PART NO	PRICE
1/2"	031.033.02	5.66
3/4"	031.033.03	6.79
1"	031.033.04	9.07
1 1/2"	031.033.06	13.24
2"	031.033.07	17.21
3"	031.033.09	41.95
4"	031.033.10	104.58

UNION - PN6



SIZE	PART NO	PRICE
1/2"	031.023.02	20.54
3/4"	031.023.03	21.86
1"	031.023.04	27.58
1 1/2"	031.023.06	53.63
2"	031.023.07	68.44

REDUCING BUSH - PN6



SIZE	PART NO	PRICE
3/4" x 1/2"	031.093.0302	10.53
1" x 1/2"	031.093.0402	12.69
1" x 3/4"	031.093.0403	13.15
1 1/2" x 1"	031.093.0604	15.76
2" x 1"	031.093.0704	27.88
2" x 1 1/2"	031.093.0706	27.88

CAP - PN6



SIZE	PART NO	PRICE
1/2"	031.223.02	4.29
3/4"	031.223.03	4.41
1"	031.223.04	5.42
1 1/2"	031.223.06	8.84
2"	031.223.07	12.15
3"	031.223.09	40.30
4"	031.223.10	55.35

NIPPLE - PN6



SIZE	PART NO	PRICE
1/2"	031.253.02	4.05
3/4"	031.253.03	4.29
1"	031.253.04	5.76
1 1/2"	031.253.06	11.63
2"	031.253.07	16.11
3"	031.253.09	21.12
4"	031.253.10	35.52

PLUG - PN6



SIZE	PART NO	PRICE
1/2"	031.233.02	4.05
3/4"	031.233.03	4.29
1"	031.233.04	5.76
1 1/2"	031.233.06	16.75
2"	031.233.07	38.28

STUB FLANGE - PN6

SIZE	PART NO	PRICE
1/2"	031.113.02	6.44
3/4"	031.113.03	6.60
1"	031.113.04	8.37
1 1/2"	031.113.06	15.96
2"	031.113.07	21.12

FULL FACE FLANGE - UNIVERSAL



SIZE	PART NO	PRICE
1/2"	031.143.02	10.08
3/4"	031.143.03	13.15
1"	031.143.04	13.24
1 1/2"	031.143.06	17.21
2"	031.143.07	24.23
3"	031.143.09	42.05
4"	031.143.10	58.85

PP MANUAL VALVES

SOCKET FUSION AND THREADED

BALL VALVE - EPDM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.664.02Q	71.14
3/4"	081.664.03Q	84.36
1"	081.664.04Q	103.66
1 1/4"	081.664.05Q	130.26
1 1/2"	081.664.06Q	168.09
2"	081.664.07Q	206.98

BALL VALVE - FPM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.664.02R	86.56
3/4"	081.664.03R	100.98
1"	081.664.04R	126.06
1 1/4"	081.664.05R	157.58
1 1/2"	081.664.06R	206.98
2"	081.664.07R	264.74

BALL VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.664.09Q	683.94
4"	081.664.10Q	791.48

BALL VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.664.09R	759.09
4"	081.664.10R	896.65

BALL VALVE - EPDM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.663.02Q	82.59
3/4"	081.663.03Q	94.12
1"	081.663.04Q	114.50
1 1/4"	081.663.05Q	143.92
1 1/2"	081.663.06Q	183.84
2"	081.663.07Q	233.24

BALL VALVE - FPM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.663.02R	100.55
3/4"	081.663.03R	112.40
1"	081.663.04R	139.73
1 1/4"	081.663.05R	176.47
1 1/2"	081.663.06R	214.31
2"	081.663.07R	292.05

BALL VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.663.09Q	718.07

BALL VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.663.09R	796.94

NON RETURN VALVE - EPDM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.884.02Q	74.70
3/4"	081.884.03Q	79.12
1"	081.884.04Q	86.97
1 1/4"	081.884.05Q	104.64
1 1/2"	081.884.06Q	117.69
2"	081.884.07Q	172.31

NON RETURN VALVE - FPM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.884.02R	77.22
3/4"	081.884.03R	88.25
1"	081.884.04R	96.00
1 1/4"	081.884.05R	117.69
1 1/2"	081.884.06R	140.76
2"	081.884.07R	216.41

NON RETURN VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.884.09Q	528.84
4"	081.884.10Q	621.54

NON RETURN VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.884.09R	581.76
4"	081.884.10R	683.64

PP MANUAL VALVES SOCKET FUSION AND THREADED

NON RETURN VALVE - EPDM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.883.02Q	87.73
3/4"	081.883.03Q	90.20
1"	081.883.04Q	100.12
1 1/4"	081.883.05Q	119.72
1 1/2"	081.883.06Q	135.48
2"	081.883.07Q	200.66

NON RETURN VALVE - FPM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.883.02R	90.51
3/4"	081.883.03R	99.32
1"	081.883.04R	108.21
1 1/4"	081.883.05R	133.40
1 1/2"	081.883.06R	158.67
2"	081.883.07R	245.78

NON RETURN VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.883.09Q	721.78

NON RETURN VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.883.09R	794.06

AIR RELEASE VALVE - EPDM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.184.02Q	62.45
3/4"	081.184.03Q	75.61
1"	081.184.04Q	72.54
1 1/4"	081.184.05Q	87.52
1 1/2"	081.184.06Q	98.70
2"	081.184.07Q	142.15

AIR RELEASE VALVE - FPM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.184.02R	64.62
3/4"	081.184.03R	74.04
1"	081.184.04R	82.58
1 1/4"	081.184.05R	98.70
1 1/2"	081.184.06R	118.05
2"	081.184.07R	180.08

AIR RELEASE VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.184.09Q	441.72
4"	081.184.10Q	519.21

AIR RELEASE VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.184.09R	485.95
4"	081.184.10R	571.07

AIR RELEASE VALVE - EPDM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.183.02Q	65.52
3/4"	081.183.03Q	69.18
1"	081.183.04Q	76.24
1 1/4"	081.183.05Q	91.85
1 1/2"	081.183.06Q	103.65
2"	081.183.07Q	149.45

AIR RELEASE VALVE - FPM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.183.02R	67.87
3/4"	081.183.03R	77.58
1"	081.183.04R	86.64
1 1/4"	081.183.05R	103.65
1 1/2"	081.183.06R	123.99
2"	081.183.07R	189.11

AIR RELEASE VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.183.09Q	464.39

AIR RELEASE VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.183.09R	510.10

PP MANUAL VALVES

SOCKET FUSION AND THREADED

FOOT VALVE - EPDM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.864.02Q	71.86
3/4"	081.864.03Q	75.92
1"	081.864.04Q	83.56
1 1/4"	081.864.05Q	100.49
1 1/2"	081.864.06Q	113.49
2"	081.864.07Q	163.35

FOOT VALVE - FPM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	081.864.02R	74.24
3/4"	081.864.03R	85.24
1"	081.864.04R	92.19
1 1/4"	081.864.05R	113.49
1 1/2"	081.864.06R	135.89
2"	081.864.07R	206.83

FOOT VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.864.09Q	507.72
4"	081.864.10Q	597.01

FOOT VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.864.09R	558.47
4"	081.864.10R	656.40

FOOT VALVE - EPDM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.863.02Q	75.42
3/4"	081.863.03Q	79.88
1"	081.863.04Q	87.73
1 1/4"	081.863.05Q	105.64
1 1/2"	081.863.06Q	119.25
2"	081.863.07Q	171.56

FOOT VALVE - FPM SEAL - PN10



END CONFIGURATION =
THREADED

SIZE	PART NO	PRICE
1/2"	081.863.02R	77.88
3/4"	081.863.03R	89.50
1"	081.863.04R	96.74
1 1/4"	081.863.05R	119.25
1 1/2"	081.863.06R	142.41
2"	081.863.07R	217.35

FOOT VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.863.09Q	533.19

FOOT VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
3"	081.863.09R	586.43

BUTTERFLY VALVE - EPDM SEAL - PN10



SIZE	PART NO	PRICE
3"	083.731.090Q	453.85
4"	083.731.110Q	551.51
5"	083.731.140Q	712.37

BUTTERFLY VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
6"	083.731.160Q	787.06
8"	083.731.225Q	1009.19

DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:

3" - 6": BS4504 NP10/16 AND ANSI CLASS 150
8": BS4504 NP10 AND ANSI CLASS 150

BUTTERFLY VALVE - FPM SEAL - PN10



SIZE	PART NO	PRICE
3"	083.731.090R	517.04
4"	083.731.110R	628.12
5"	083.731.140R	802.39

BUTTERFLY VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
6"	083.731.160R	963.24
8"	083.731.225R	1129.85

DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:

3" - 6": BS4504 NP10/16 AND ANSI CLASS 150
8": BS4504 NP10 AND ANSI CLASS 150

WAFER CHECK VALVE - EPDM SEAL - PN10



SIZE	PART NO	PRICE
5"	083.841.140Q	254.70
6"	083.841.160Q	283.43
8"	083.841.225Q	352.37
10"	083.841.280Q	538.11
12"	083.841.315Q	756.43

WITHOUT SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

WAFER CHECK VALVE - FPM SEAL - PN10



SIZE	PART NO	PRICE
5"	083.841.140R	396.42
6"	083.841.160R	459.61
8"	083.841.225R	543.86
10"	083.841.280R	796.66
12"	083.841.315R	1059.00

WITHOUT SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

WAFER CHECK VALVE - EPDM SEAL - PN10



SIZE	PART NO	PRICE
5"	083.851.140Q	388.76
6"	083.851.160Q	442.35
8"	083.851.225Q	543.86
10"	083.851.280Q	817.69
12"	083.851.315Q	1175.81

WITH SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

WAFER CHECK VALVE - FPM SEAL - PN10



SIZE	PART NO	PRICE
5"	083.851.140R	549.62
6"	083.851.160R	643.44
8"	083.851.225R	756.43
10"	083.851.280R	1106.87
12"	083.851.315R	1516.68

WITH SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

MANUFACTURING STANDARDS

Metric PP products are generally manufactured in accordance with the following standards:

Pipe - DIN 8077

Fittings - DIN 16962 Parts 5/6/7/8/9/12

POLYPROPYLENE SYSTEM TEMPERATURE/PRESSURE RELATIONSHIP

Pressure ratings for plastic pipework systems are always quoted at 20°C, it is a fundamental principle of such systems that if the temperature is increased then the pressure rating must be reduced.

Beige PP is suitable for continuous operating temperatures of 0°C to 100°C.

POLYPROPYLENE PIPEWORK SUPPORT CENTRES

In above ground installations it is essential to provide support to ensure that the weight of the pipe and its contents are adequately supported. The recommended maximum support spacing for horizontal runs of polypropylene pipe are given in the table below. Spacings are calculated assuming the pipes are carrying water and are pressure rated at 10 bar.

PIPE O.D. mm	20°C	40°C	60°C	80°C	100°C
	SPACING GIVEN IN METRES				
20	0.60	0.54	0.49	0.45	0.41
25	0.67	0.60	0.54	0.50	0.46
32	0.76	0.68	0.61	0.57	0.52
40	0.85	0.76	0.69	0.64	0.59
50	0.95	0.85	0.77	0.71	0.66
63	1.07	0.96	0.86	0.80	0.74
75	1.16	1.05	0.94	0.87	0.80
90	1.27	1.15	1.03	0.95	0.88
110	1.41	1.27	1.14	1.06	0.97
160	1.70	1.53	1.37	1.27	1.17
225	2.01	1.81	1.63	1.51	1.39
250	2.12	1.91	1.72	1.59	1.46
280	2.25	2.02	1.82	1.68	1.55
315	2.38	2.14	1.93	1.79	1.64

CORRECTION FACTORS

PRESSURE	FACTOR
PN2.5	0.77
PN6	0.92
PN10	1.00
PN16	1.06

POLYPROPYLENE PRESSURE PIPE - METRIC



SIZE	PART NO	£/M	RATING	PIPE OD	WALL	PIPE ID	WEIGHT
20	032.P.02010	1.92	10 BAR	20	2.3	15.4	0.13
25	032.P.02510	2.52	10 BAR	25	2.3	20.4	0.16
32	032.P.03210	3.63	10 BAR	32	2.9	26.2	0.26
40	032.P.04010	4.91	10 BAR	40	3.7	32.6	0.42
50	032.P.0502.5	3.90	2.5 BAR	50	1.8	46.4	0.28
50	032.P.05006	5.15	6 BAR	50	2.9	44.2	0.43
50	032.P.05010	7.68	10 BAR	50	4.6	40.8	0.65
63	032.P.0632.5	4.91	2.5 BAR	63	1.8	59.4	0.35
63	032.P.06306	7.96	6 BAR	63	3.6	55.8	0.67
63	032.P.06310	12.05	10 BAR	63	5.8	51.4	1.02
75	032.P.0752.5	6.16	2.5 BAR	75	1.9	71.2	0.44
75	032.P.07506	11.30	6 BAR	75	4.3	66.4	0.95
75	032.P.07510	16.95	10 BAR	75	6.8	61.4	1.42
90	032.P.0902.5	8.57	2.5 BAR	90	2.2	85.6	0.62
90	032.P.09006	15.98	6 BAR	90	5.1	79.8	1.35
90	032.P.09010	24.42	10 BAR	90	8.2	73.6	2.06
110	032.P.1102.5	11.98	2.5 BAR	110	2.7	104.6	0.92
110	032.P.11006	23.93	6 BAR	110	6.3	97.4	2.02
110	032.P.11010	36.16	10 BAR	110	10.0	90.0	3.05
125	032.P.1252.5	15.60	2.5 BAR	125	3.1	118.8	1.20
125	032.P.12506	30.73	6 BAR	125	7.1	110.8	2.59
125	032.P.12510	46.82	10 BAR	125	11.4	102.2	3.97
140	032.P.1402.5	19.55	2.5 BAR	140	3.5	133.0	1.50
140	032.P.14006	38.39	6 BAR	140	8.0	124.0	3.25
140	032.P.14010	59.00	10 BAR	140	12.7	114.6	4.94
160	032.P.1602.5	24.70	2.5 BAR	160	4.0	152.0	1.94
160	032.P.16006	50.18	6 BAR	160	9.1	141.8	4.23
160	032.P.16010	76.89	10 BAR	160	14.6	130.8	6.49
180	032.P.1802.5	33.13	2.5 BAR	180	4.4	171.2	2.42
180	032.P.18006	65.98	6 BAR	180	10.2	159.6	5.33
180	032.P.18010	101.49	10 BAR	180	16.4	147.2	8.20
200	032.P.2002.5	40.71	2.5 BAR	200	4.9	190.2	2.97
200	032.P.20006	78.14	6 BAR	200	11.4	177.2	6.60
200	032.P.20010	125.42	10 BAR	200	18.2	163.6	10.11
225	032.P.2252.5	51.51	2.5 BAR	225	5.5	214.0	3.75
225	032.P.22506	102.43	6 BAR	225	12.8	199.4	8.32
225	032.P.22510	158.95	10 BAR	225	20.5	184.0	12.79
250	032.P.2502.5	63.48	2.5 BAR	250	6.2	237.6	4.70
250	032.P.25006	126.41	6 BAR	250	14.2	221.6	10.27
250	032.P.25010	197.26	10 BAR	250	22.7	204.6	15.73
280	032.P.2802.5	79.85	2.5 BAR	280	6.9	266.2	5.82
280	032.P.28006	158.95	6 BAR	280	15.9	248.2	12.84
280	032.P.28010	245.12	10 BAR	280	25.4	229.2	19.71
315	032.P.3152.5	105.33	2.5 BAR	315	7.7	299.6	7.30
315	032.P.31506	201.06	6 BAR	315	17.9	279.2	16.25
355	032.P.3552.5	140.74	2.5 BAR	355	8.7	337.6	9.29
355	032.P.35506	298.75	6 BAR	355	20.1	314.8	20.59
400	032.P.4002.5	173.31	2.5 BAR	400	9.8	380.4	11.76

STANDARD PIPE LENGTH IS 5 or 6 METRES.

ALL WALL THICKNESSES AND PIPE ID'S ARE APPROXIMATE VALUES.

PP PRESSURE FITTINGS SOCKET FUSION

SOCKET - PN10



SIZE	PART NO	PRICE
20	032.014.020	1.97
25	032.014.025	2.09
32	032.014.032	2.91
40	032.014.040	3.53
50	032.014.050	6.26
63	032.014.063	9.48
75	032.014.075	15.53
90	032.014.090	19.35
110	032.014.110	30.18
160	032.014.160	81.12

90° BEND - PN10



SIZE	PART NO	PRICE
20	032.054.020	23.30
25	032.054.025	23.42
32	032.054.032	23.42
40	032.054.040	24.48
50	032.054.050	25.23
63	032.054.063	29.81

90° ELBOW - PN10



SIZE	PART NO	PRICE
20	032.034.020	3.31
25	032.034.025	3.62
32	032.034.032	4.26
40	032.034.040	5.47
50	032.034.050	10.06
63	032.034.063	12.65
75	032.034.075	29.49
90	032.034.090	33.23
110	032.034.110	50.07
160	032.034.160	237.01

EQUAL TEE - PN10



SIZE	PART NO	PRICE
20	032.064.020	3.62
25	032.064.025	3.92
32	032.064.032	4.42
40	032.064.040	5.44
50	032.064.050	9.66
63	032.064.063	13.49
75	032.064.075	35.23
90	032.064.090	49.51
110	032.064.110	62.82
160	032.064.160	387.71

45° ELBOW - PN10



SIZE	PART NO	PRICE
20	032.044.020	4.42
25	032.044.025	4.83
32	032.044.032	5.44
40	032.044.040	6.71
50	032.044.050	8.94
63	032.044.063	11.49
75	032.044.075	27.67
90	032.044.090	32.17
110	032.044.110	51.32
160	032.044.160	196.83

CAP - PN10



SIZE	PART NO	PRICE
20	032.224.020	3.06
25	032.224.025	3.43
32	032.224.032	3.53
40	032.224.040	4.41
50	032.224.050	5.95
63	032.224.063	8.28
75	032.224.075	15.98
90	032.224.090	18.77
110	032.224.110	24.70

PP PRESSURE FITTINGS SOCKET FUSION

UNION - PN10



SIZE	PART NO	PRICE
20	032.024.020	13.90
25	032.024.025	15.26
32	032.024.032	18.39
40	032.024.040	24.42
50	032.024.050	34.18
63	032.024.063	48.75

STUB FLANGE - PN10



SIZE	PART NO	PRICE
20	032.114.020	2.27
25	032.114.025	2.31
32	032.114.032	2.67
40	032.114.040	3.14
50	032.114.050	3.60
63	032.114.063	5.67
75	032.114.075	12.05
90	032.114.090	16.67
110	032.114.110	23.74
160	032.114.160	57.42

REDUCING BUSH - PN10



SIZE	PART NO	PRICE
25 x 20	032.094.025020	3.09
32 x 20	032.094.032020	3.63
32 x 25	032.094.032025	3.63
40 x 25	032.094.040025	4.13
40 x 32	032.094.040032	4.13
50 x 32	032.094.050032	5.58
50 x 40	032.094.050040	5.58
63 x 32	032.094.063032	6.56
63 x 50	032.094.063050	6.56
75 x 63	032.094.075063	13.78
90 x 63	032.094.090063	16.20
90 x 75	032.094.090075	16.20
110 x 63	032.094.110063	31.07
110 x 90	032.094.110090	22.12
160 x 90	032.094.160090	67.99
160 x 110	032.094.160110	84.74

FULL FACE FLANGE - UNIVERSAL - PN10



SIZE	PART NO	PRICE
20	032.144.020	8.44
25	032.144.025	10.34
32	032.144.032	10.76
40	032.144.040	13.24
50	032.144.050	13.81
63	032.144.063	19.56
90	032.144.090	34.05
110	032.144.110	39.02
160	032.144.160	71.72

METRIC/INCH REDUCING BUSH - PN10



SIZE	PART NO	PRICE
90 X2"	033.094.09007	20.92
110 X2"	033.094.11007	50.48

BLANK FLANGE - UNIVERSAL - PN10



SIZE	PART NO	PRICE
20	032.171.020	14.48
25	032.171.025	15.62
32	032.171.032	16.99
40	032.171.040	17.48
50	032.171.050	18.40
63	032.171.063	24.93
90	032.171.090	40.17
110	032.171.110	46.23
160	032.171.160	91.85

METRIC/INCH SOCKET - PN10



SIZE	PART NO	PRICE
20 x 1/2"	033.014.02002	4.65
25 x 3/4"	033.014.02503	4.85
32 x 1"	033.014.03204	6.51
40 x 1 1/4"	033.014.04005	7.55
50 x 1 1/2"	033.014.05006	10.82
63 x 2"	033.014.06307	15.98
90 x 3"	033.014.09009	27.20
110 x 4"	033.014.11010	37.63
160 x 6"	033.014.16012	89.92

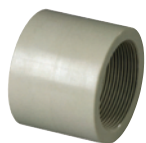
METRIC/INCH UNION - PN10



SIZE	PART NO	PRICE
20 x 1/2"	033.024.02002	19.83
25 x 3/4"	033.024.02503	21.26
32 x 1"	033.024.03204	25.48
40 x 1 1/4"	033.024.04005	30.14
50 x 1 1/2"	033.024.05006	45.76
63 x 2"	033.024.06307	65.48

PP PRESSURE FITTINGS SOCKET FUSION PLAIN/THREADED

SOCKET - PN6



SIZE	PART NO	PRICE
20 x 1/2"	033.019.02002	5.12
25 x 3/4"	033.019.02503	6.26
32 x 1"	033.019.03204	7.85
40 x 1 1/4"	033.019.04005	9.56
50 x 1 1/2"	033.019.05006	15.81
63 x 2"	033.019.06307	19.71
90 x 3"	033.019.09009	34.45
110 x 4"	033.019.11010	68.01

NIPPLE - PN6



SIZE	PART NO	PRICE
20 x 1/2"	033.259.02002	3.36
25 x 3/4"	033.259.02503	4.05
32 x 1"	033.259.03204	6.81
40 x 1 1/4"	033.259.04005	10.82
50 x 1 1/2"	033.259.05006	12.45
63 x 2"	033.259.06307	15.42

UNION - PN6



SIZE	PART NO	PRICE
20 x 1/2"	033.029.02002	16.37
25 x 3/4"	033.029.02503	17.64
32 x 1"	033.029.03204	21.62
40 x 1 1/4"	033.029.04005	25.61
50 x 1 1/2"	033.029.05006	41.33
63 x 2"	033.029.06307	55.19

PP PRESSURE FITTINGS BUTT FUSION

90° BEND - SHORT SPIGOT - PN10



SIZE	PART NO	PRICE
63	082.055.063	10.27
75	082.055.075	13.92
90	082.055.090	18.00
110	082.055.110	34.24
125	082.055.125	48.35
140	082.055.140	66.56
160	082.055.160	72.14
200	082.055.200	143.17
225	082.055.225	155.46

90° BEND - SHORT SPIGOT - PN6



SIZE	PART NO	PRICE
63	122.055.063	9.29
75	122.055.075	12.64
90	122.055.090	16.38
110	122.055.110	31.09
125	122.055.125	43.96
140	122.055.140	60.53
160	122.055.160	65.66
200	122.055.200	130.15
225	122.055.225	141.30

45° ELBOW - LONG SPIGOT - PN10



SIZE	PART NO	PRICE
90	082.045.090	19.04
110	082.045.110	36.81
125	082.045.125	53.61
160	082.045.160	78.89
180	082.045.180	92.16

45° ELBOW - LONG SPIGOT - PN6



SIZE	PART NO	PRICE
90	122.045.090	17.26
110	122.045.110	33.60
125	122.045.125	48.80
160	122.045.160	71.68
180	122.045.180	85.61

TEE - SHORT SPIGOT - PN10



SIZE	PART NO	PRICE
63	082.065.063	11.30
90	082.065.090	25.82
110	082.065.110	38.08
125	082.065.125	84.26
160	082.065.160	106.73
200	082.065.200	211.97
225	082.065.225	255.23
250	082.065.250	417.23
315	082.065.315	662.67

TEE - SHORT SPIGOT - PN6



SIZE	PART NO	PRICE
63	122.065.063	10.27
90	122.065.090	23.43
110	122.065.110	34.59
125	122.065.125	52.50
160	122.065.160	97.07
200	122.065.200	192.72
225	122.065.225	232.02
250	122.065.250	379.30
315	122.065.315	602.43

REDUCING TEE - SHORT SPIGOT - PN10



SIZE	PART NO	PRICE
90 x 63	082.085.090063	38.41
110 x 63	082.085.110063	55.20
110 x 90	082.085.110090	55.20
160 x 110	082.085.160110	137.61
200 x 160	082.085.200160	212.81
225 x 160	082.085.225160	279.96

REDUCING TEE - SHORT SPIGOT - PN6



SIZE	PART NO	PRICE
90 x 63	122.085.090063	32.81
110 x 63	122.085.110063	48.00
110 x 90	122.085.110090	48.00
160 x 110	122.085.160110	124.01
200 x 160	122.085.200160	192.01
225 x 160	122.085.225160	259.22

PP PRESSURE FITTINGS BUTT FUSION

REDUCER - SHORT SPIGOT - PN10



SIZE	PART NO	PRICE
75 x 63	082.095.075063	8.55
90 x 63	082.095.090063	11.83
90 x 75	082.095.090075	11.83
110 x 63	082.095.110063	15.70
110 x 75	082.095.110075	15.70
110 x 90	082.095.110090	15.70
125 x 90	082.095.125090	22.25
125 x 110	082.095.125110	22.25
140 x 110	082.095.140110	34.59
140 x 125	082.095.140125	34.59
160 x 90	082.095.160090	41.79
160 x 110	082.095.160110	41.79
160 x 125	082.095.160125	41.79
160 x 140	082.095.160140	41.79
180 x 125	082.095.180125	58.40
180 x 140	082.095.180140	58.40
180 x 160	082.095.180160	58.40
200 x 160	082.095.200160	60.92
200 x 180	082.095.200180	60.92
225 x 160	082.095.225160	86.34
225 x 200	082.095.225200	86.34
250 x 180	082.095.250180	99.21
250 x 200	082.095.250200	99.21
250 x 225	082.095.250225	99.21
280 x 200	082.095.280200	113.13
280 x 225	082.095.280225	113.13
280 x 250	082.095.280250	113.13
315 x 225	082.095.315225	119.84
315 x 250	082.095.315250	119.84
315 x 280	082.095.315280	119.84
355 x 250	082.095.355250	148.80
355 x 280	082.095.355280	148.80
355 x 315	082.095.355315	148.80
400 x 280	082.095.400280	296.02
400 x 315	082.095.400315	296.02
400 x 355	082.095.400355	296.02
450 x 315	082.095.450315	462.42
450 x 355	082.095.450355	429.63
450 x 400	082.095.450400	360.01
500 x 355	082.095.500355	692.87
500 x 400	082.095.500400	604.83
500 x 450	082.095.500450	504.04

REDUCER - SHORT SPIGOT - PN6



SIZE	PART NO	PRICE
75 x 63	122.095.075063	7.80
90 x 63	122.095.090063	10.79
90 x 75	122.095.090075	10.79
110 x 63	122.095.110063	14.30
110 x 75	122.095.110075	14.30
110 x 90	122.095.110090	14.30
125 x 90	122.095.125090	20.24
125 x 110	122.095.125110	20.24
140 x 110	122.095.140110	31.47
140 x 125	122.095.140125	31.47
160 x 90	122.095.160090	38.00
160 x 110	122.095.160110	38.00
160 x 125	122.095.160125	38.00
160 x 140	122.095.160140	38.00
180 x 160	122.095.180160	38.00
200 x 160	122.095.200160	55.41
225 x 160	122.095.225160	78.47
225 x 200	122.095.225200	78.47

REDUCER - LONG SPIGOT - PN10



SIZE	PART NO	PRICE
63 x 50	082.615.063050	6.87
75 x 63	082.615.075063	9.44
90 x 63	082.615.090063	13.13
90 x 75	082.615.090075	13.13
110 x 90	082.615.110090	17.44
125 x 110	082.615.125110	24.64
160 x 125	082.615.160125	46.40
200 x 160	082.615.200160	67.69
225 x 200	082.615.225200	95.85

REDUCER - LONG SPIGOT - PN6

SIZE	PART NO	PRICE
63 x 50	122.615.063050	6.24

PP PRESSURE FITTINGS BUTT FUSION

CAP - LONG SPIGOT - PN10



SIZE	PART NO	PRICE
63	082.225.063	8.31
75	082.225.075	12.14
90	082.225.090	18.24
110	082.225.110	13.84

CAP - LONG SPIGOT - PN6



SIZE	PART NO	PRICE
63	122.225.063	7.46
75	122.225.075	10.88
90	122.225.090	16.35
110	122.225.110	21.60

STUB FLANGE - SHORT SPIGOT - PN10



SIZE	PART NO	PRICE
125	082.115.125	16.91
140	082.115.140	22.46
160	082.115.160	26.34
200	082.115.200	49.55
225	082.115.225	58.15
250	082.115.250	75.26
280	082.115.280	85.93
315	082.115.315	100.81
355	082.115.355	152.82
400	082.115.400	308.97

STUB FLANGE - SHORT SPIGOT - PN6



SIZE	PART NO	PRICE
125	122.115.125	15.91
140	122.115.140	20.36
160	122.115.160	23.94
200	122.115.200	44.98
225	122.115.225	52.88
250	122.115.250	68.42
280	122.115.280	74.61
315	122.115.315	90.64
355	122.115.355	144.61
400	122.115.400	268.51

STUB FLANGE - LONG SPIGOT - PN10



SIZE	PART NO	PRICE
63	082.115L.063	8.00
75	082.115L.075	9.74
90	082.115L.090	12.97
110	082.115L.110	16.47
125	082.115L.125	19.53
140	082.115L.140	24.94
160	082.115L.160	29.27
180	082.115L.180	48.96

STUB FLANGE - LONG SPIGOT - PN6



SIZE	PART NO	PRICE
63	122.115L.063	7.20
75	122.115L.075	8.96
90	122.115L.090	11.69
110	122.115L.110	15.05
125	122.115L.125	17.61
140	122.115L.140	22.55
160	122.115L.160	26.57
180	122.115L.180	44.48

BLANK FLANGE - GLASS REINFORCED - PN10/16



SIZE	PART NO	PRICE
63	082.161.063Y	14.13
75	082.161.075Y	15.74
90	082.161.090Y	17.94
110	082.161.110Y	21.61
125	082.161.125Y	22.80
140	082.161.140Y	28.80
160	082.161.160Y	36.00

BACKING FLANGE - GLASS REINFORCED - PN10/16



SIZE	PART NO	PRICE
63	082.331.063Z	25.29
75	082.331.075Z	28.48
90	082.331.090Z	32.48
110	082.331.110Z	34.62
125	082.331.125Z	35.03
140	082.331.140Z	42.43
160	082.331.160Z	65.27
180	082.331.180Z	65.27

BLANK FLANGE - GLASS REINFORCED - PN10

SIZE	PART NO	PRICE
200	082.161.200Y	48.01
225	082.161.225Y	52.79

BACKING FLANGE - GLASS REINFORCED - PN10

SIZE	PART NO	PRICE
200	082.331.200Y	81.96
225	082.331.225Y	81.96
250	082.331.250Y	114.52
280	082.331.280Y	117.08
315	082.331.315Y	161.96

PP MANUAL VALVES

SOCKET FUSION AND FLANGED

BALL VALVE - EPDM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.664.020Q	64.82
25	082.664.025Q	77.36
32	082.664.032Q	94.53
40	082.664.040Q	118.76
50	082.664.050Q	153.24
63	082.664.063Q	188.67
75	082.664.075Q	449.21

BALL VALVE - FPM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.664.020R	78.93
25	082.664.025R	92.05
32	082.664.032R	114.91
40	082.664.040R	143.65
50	082.664.050R	188.67
63	082.664.063R	241.35
75	082.664.075R	550.31

BALL VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.664.090Q	623.50
110	082.664.110Q	721.52

BALL VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.664.090R	691.99
110	082.664.110R	817.40

BALL VALVE - EPDM SEAL - PN10



END CONFIGURATION =
SPIGOT

SIZE	PART NO	PRICE
20	082.661.020Q	64.82
25	082.661.025Q	77.36
32	082.661.032Q	94.53
40	082.661.040Q	118.76
50	082.661.050Q	153.24
63	082.661.063Q	188.67
75	082.661.075Q	449.21

BALL VALVE - FPM SEAL - PN10



END CONFIGURATION =
SPIGOT

SIZE	PART NO	PRICE
20	082.661.020R	78.93
25	082.661.025R	92.05
32	082.661.032R	114.91
40	082.661.040R	143.65
50	082.661.050R	188.67
63	082.661.063R	241.35
75	082.661.075R	550.31

BALL VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.661.090Q	623.50
110	082.661.110Q	721.52

BALL VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.661.090R	691.99
110	082.661.110R	817.40

BALL VALVE - EPDM SEAL - PN10



END CONFIGURATION =
FLANGED

SIZE	PART NO	PRICE
20	082.668.020Q	113.02
25	082.668.025Q	124.50
32	082.668.032Q	149.40
40	082.668.040Q	188.70
50	082.668.050Q	229.86
63	082.668.063Q	281.58
75	082.668.075Q	509.52

BALL VALVE - FPM SEAL - PN10



END CONFIGURATION =
FLANGED

SIZE	PART NO	PRICE
20	082.668.020R	128.34
25	082.668.025R	140.77
32	082.668.032R	172.37
40	082.668.040R	212.61
50	082.668.050R	254.75
63	082.668.063R	331.37
75	082.668.075R	591.84

BALL VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.668.090Q	691.48
110	082.668.110Q	919.41

BALL VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.668.090R	796.80
110	082.668.110R	1005.60

PP MANUAL VALVES

SOCKET FUSION AND FLANGED

DIAPHRAGM VALVE - EPDM DIAPHRAGM - PN10



END CONFIGURATION =
SPIGOT

SIZE	PART NO	PRICE
20	082.681.020Q	76.01
25	082.681.025Q	84.45
32	082.681.032Q	105.33
40	082.681.040Q	126.41
50	082.681.050Q	163.74
63	082.681.063Q	208.73
75	082.681.075Q	489.25
90	082.681.090Q	531.88
110	082.681.110Q	927.18

DIAPHRAGM VALVE - PTFE DIAPHRAGM - PN10



END CONFIGURATION =
SPIGOT

SIZE	PART NO	PRICE
20	082.681.020S	156.08
25	082.681.025S	162.77
32	082.681.032S	195.34
40	082.681.040S	248.97
50	082.681.050S	308.32
63	082.681.063S	384.91
75	082.681.075S	718.67
90	082.681.090S	762.55
110	082.681.110S	1172.30

DIAPHRAGM VALVE - EPDM DIAPHRAGM - PN10



END CONFIGURATION =
FLANGED

SIZE	PART NO	PRICE
20	082.688.020Q	120.63
25	082.688.025Q	137.88
32	082.688.032Q	165.67
40	082.688.040Q	201.06
50	082.688.050Q	252.78
63	082.688.063Q	323.64

DIAPHRAGM VALVE - PTFE DIAPHRAGM - PN10



END CONFIGURATION =
FLANGED

SIZE	PART NO	PRICE
20	082.688.020S	201.06
25	082.688.025S	214.47
32	082.688.032S	252.78
40	082.688.040S	321.72
50	082.688.050S	404.09
63	082.688.063S	505.56

NON RETURN VALVE - EPDM SEAL - PN10



CONE TYPE WITH SPRING
END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.884.020Q	68.10
25	082.884.025Q	72.10
32	082.884.032Q	79.29
40	082.884.040Q	95.38
50	082.884.050Q	107.24
63	082.884.063Q	157.01
75	082.884.075Q	372.91

NON RETURN VALVE - FPM SEAL - PN10



CONE TYPE WITH SPRING
END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.884.020R	70.39
25	082.884.025R	80.44
32	082.884.032R	87.52
40	082.884.040R	107.24
50	082.884.050R	128.30
63	082.884.063R	197.26
75	082.884.075R	410.31

NON RETURN VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.884.090Q	482.65
110	082.884.110Q	567.26

NON RETURN VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.884.090R	530.97
110	082.884.110R	623.94

NON RETURN VALVE - EPDM SEAL - PN10



CONE TYPE WITH SPRING
END CONFIGURATION
=SPIGOT

SIZE	PART NO	PRICE
20	082.881.020Q	68.10
25	082.881.025Q	72.10
32	082.881.032Q	79.29
40	082.881.040Q	95.38
50	082.881.050Q	107.24
63	082.881.063Q	157.01
75	082.881.075Q	372.91

NON RETURN VALVE - FPM SEAL - PN10



CONE TYPE WITH SPRING
END CONFIGURATION
=SPIGOT

SIZE	PART NO	PRICE
20	082.881.020R	70.39
25	082.881.025R	80.44
32	082.881.032R	87.52
40	082.881.040R	107.24
50	082.881.050R	128.30
63	082.881.063R	197.26
75	082.881.075R	410.31

NON RETURN VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.881.090Q	482.65
110	082.881.110Q	567.26

NON RETURN VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.881.090R	530.97
110	082.881.110R	623.94

PP MANUAL VALVES

SOCKET FUSION AND FLANGED

AIR RELEASE VALVE - EPDM SEAL - PN10



CONE TYPE WITHOUT
SPRING
END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.184.020Q	57.00
25	082.184.025Q	60.31
32	082.184.032Q	66.21
40	082.184.040Q	79.87
50	082.184.050Q	90.09
63	082.184.063Q	129.73
75	082.184.075Q	263.34

AIR RELEASE VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.184.090Q	403.16
110	082.184.110Q	473.90

AIR RELEASE VALVE - FPM SEAL - PN10



CONE TYPE WITHOUT
SPRING
END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.184.020R	58.96
25	082.184.025R	67.57
32	082.184.032R	75.35
40	082.184.040R	90.09
50	082.184.050R	107.74
63	082.184.063R	164.35
75	082.184.075R	342.55

AIR RELEASE VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.184.090R	443.50
110	082.184.110R	521.22

FOOT VALVE - EPDM SEAL - PN10



WEIGHTED CONE TYPE
WITHOUT SPRING
END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.864.020Q	65.58
25	082.864.025Q	69.29
32	082.864.032Q	76.22
40	082.864.040Q	91.73
50	082.864.050Q	103.58
63	082.864.063Q	126.06
75	082.864.075Q	288.27

FOOT VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
90	082.864.090Q	391.82
110	082.864.110Q	544.88

FOOT VALVE - FPM SEAL - PN10



WEIGHTED CONE TYPE
WITHOUT SPRING
END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
20	082.864.020R	67.73
25	082.864.025R	77.79
32	082.864.032R	84.14
40	082.864.040R	103.58
50	082.864.050R	124.02
63	082.864.063R	159.62
75	082.864.075R	333.03

FOOT VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
90	082.864.090R	430.98
110	082.864.110R	599.09

BUTTERFLY VALVE - EPDM SEAL - PN10



SIZE	PART NO	PRICE
90	083.731.090Q	453.85
110	083.731.110Q	551.51
140	083.731.140Q	712.37

BUTTERFLY VALVE - EPDM SEAL - PN6

SIZE	PART NO	PRICE
160	083.731.160Q	787.06
225	083.731.225Q	1009.19

DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:
90-160MM: BS4504 NP10/16 AND ANSI CLASS 150
225MM: BS4504 NP10 AND ANSI CLASS 150

BUTTERFLY VALVE - FPM SEAL - PN10



SIZE	PART NO	PRICE
90	083.731.090R	517.04
110	083.731.110R	628.12
140	083.731.140R	802.39

BUTTERFLY VALVE - FPM SEAL - PN6

SIZE	PART NO	PRICE
160	083.731.160R	963.24
225	083.731.225R	1129.85

DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:
90-160MM: BS4504 NP10/16 AND ANSI CLASS 150
225MM: BS4504 NP10 AND ANSI CLASS 150

WAFER CHECK VALVE - EPDM SEAL - PN10



SIZE	PART NO	PRICE
140	083.841.140Q	254.70
160	083.841.160Q	283.43
225	083.841.225Q	352.37
280	083.841.280Q	538.11
315	083.841.315Q	756.43

WITHOUT SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

WAFER CHECK VALVE - FPM SEAL - PN10



SIZE	PART NO	PRICE
140	083.841.140R	396.42
160	083.841.160R	459.61
225	083.841.225R	543.86
280	083.841.280R	796.66
315	083.841.315R	1059.00

WITHOUT SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

WAFER CHECK VALVE - EPDM SEAL - PN10



SIZE	PART NO	PRICE
140	083.851.140Q	388.76
160	083.851.160Q	442.35
225	083.851.225Q	543.86
280	083.851.280Q	817.69
315	083.851.315Q	1175.81

WITH SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

WAFER CHECK VALVE - FPM SEAL - PN10



SIZE	PART NO	PRICE
140	083.851.140R	549.62
160	083.851.160R	643.44
225	083.851.225R	756.43
280	083.851.280R	1106.87
315	083.851.315R	1516.68

WITH SPRING

DESIGNED FOR INSTALLATION BETWEEN BS4504 NP10/16 AND ANSI CLASS 150 FLANGES

PP MANUAL VALVES

SOCKET FUSION

VARIABLE AREA FLOWMETER - STANDARD PATTERN



PP UNION ENDS
EPDM SEAL
TROGAMID TUBE
STAINLESS STEEL FLOAT

OPTIONAL ITEMS
ON REQUEST:
POLYSULPHONE TUBE
MAGNETIC FLOAT
SWITCHES
SENSORS
SPECIAL SCALES

SIZE	SCALE	PART NO	PRICE
25	30-260 L/HR	032.1161.03A	163.05
25	40-400 L/HR	032.1161.03B	163.05
25	75-650 L/HR	032.1161.03C	163.05
25	75-1000 L/HR	032.1161.03D	163.05
32	40-400 L/HR	032.1161.04A	183.08
32	60-640 L/HR	032.1161.04B	183.08
32	100-1000 L/HR	032.1161.04C	183.08
32	150-1600 L/HR	032.1161.04D	183.08
40	150-1600 L/HR	032.1161.05A	250.30
40	200-2500 L/HR	032.1161.05B	250.30
40	400-4000 L/HR	032.1161.05C	250.30
50	200-2500 L/HR	032.1161.06A	301.79
50	400-4000 L/HR	032.1161.06B	301.79
50	500-5000 L/HR	032.1161.06C	301.79
63	0.4-4 M3/HR	032.1161.07A	386.18
63	0.6-6.4 M3/HR	032.1161.07B	386.18
63	1-10 M3/HR	032.1161.07C	386.18
75	1.5-14 M3/HR	032.1161.08A	650.78
75	2-20 M3/HR	032.1161.08B	650.78

VARIABLE AREA FLOWMETER - SHORT PATTERN



PP UNION ENDS
EPDM SEAL
TROGAMID TUBE
STAINLESS STEEL FLOAT

OPTIONAL ITEMS
ON REQUEST:
POLYSULPHONE TUBE
MAGNETIC FLOAT
SPECIAL SCALES

SIZE	SCALE	PART NO	PRICE
16	4-40 L/HR	032.1171.01A	118.71
16	5-60 L/HR	032.1171.01B	118.71
16	10-100 L/HR	032.1171.01C	118.71
16	15-160 L/HR	032.1171.01D	118.71
16	20-250 L/HR	032.1171.01E	118.71
20	10-100 L/HR	032.1171.02A	121.57
20	15-160 L/HR	032.1171.02B	121.57
20	20-250 L/HR	032.1171.02C	121.57
20	40-400 L/HR	032.1171.02D	121.57
20	50-500 L/HR	032.1171.02E	121.57
25	20-250 L/HR	032.1171.03A	130.16
25	40-400 L/HR	032.1171.03B	130.16
25	60-600 L/HR	032.1171.03C	130.16
25	100-1000 L/HR	032.1171.03D	130.16
32	40-400 L/HR	032.1171.04A	140.17
32	60-640 L/HR	032.1171.04B	140.17
32	100-1000 L/HR	032.1171.04C	140.17
32	150-1600 L/HR	032.1171.04D	140.17

MANUFACTURING STANDARDS

Imperial PP products are generally manufactured in accordance with the following standards:

Pipe - BS4991

Fittings - To suit BS4991

POLYPROPYLENE SYSTEM TEMPERATURE/PRESSURE RELATIONSHIP

Pressure ratings for plastic pipework systems are always quoted at 20°C, it is a fundamental principle of such systems that if the temperature is increased then the pressure rating must be reduced.

Natural PP is suitable for continuous operating temperatures of -20°C to 90°C.

POLYPROPYLENE PIPEWORK SUPPORT CENTRES

In above ground installations it is essential to provide support to ensure that the weight of the pipe and its contents are adequately supported. The recommended maximum support spacing for horizontal runs of polypropylene pipe are given in the table below. Spacings are calculated assuming the pipes are carrying water and are pressure rated at 10 bar.

PIPE O.D. mm	20°C	40°C	60°C	80°C
	SPACING GIVEN IN METRES			
1/2"	0.60	0.54	0.49	0.45
3/4"	0.67	0.60	0.54	0.50
1"	0.76	0.68	0.61	0.57
1 1/4"	0.85	0.76	0.69	0.64
1 1/2"	0.95	0.85	0.77	0.71
2"	1.07	0.96	0.86	0.80
3"	1.27	1.15	1.03	0.95
4"	1.41	1.27	1.14	1.06

CORRECTION FACTORS

PRESSURE	FACTOR
PN6	0.92
PN12	1.03
PN15	1.06

PP PRESSURE PIPES - NATURAL

POLYPROPYLENE PRESSURE PIPE



SIZE	PART NO	£/M	RATING	PIPE OD	WALL	PIPE ID	WEIGHT
1/2"	031.P.02EN	7.16	15 BAR	21.3	2.9	15.5	0.16
3/4"	031.P.03EN	9.16	15 BAR	26.7	3.6	19.5	0.25
1"	031.P.04DN	11.76	12 BAR	33.5	3.7	26.1	0.33
1 1/4"	031.P.05DN	17.68	12 BAR	42.3	4.6	33.1	0.53
1 1/2"	031.P.06CN	18.68	9 BAR	48.3	4.1	40.1	0.55
1 1/2"	031.P.06DN	22.54	12 BAR	48.3	5.3	37.7	0.69
2"	031.P.07BN	19.86	6 BAR	60.3	3.5	53.3	0.61
2"	031.P.07DN	32.83	12 BAR	60.3	6.6	47.1	1.07
3"	031.P.09BN	POA	6 BAR	88.9	5.2	78.5	1.32
3"	031.P.09CN	POA	9 BAR	88.9	7.5	73.9	1.85
4"	031.P.10BN	POA	6 BAR	114.3	6.6	101.1	2.16
4"	031.P.10CN	POA	9 BAR	114.3	9.6	95.1	3.04

STANDARD PIPE LENGTH IS 6 METRES.
ALL WALL THICKNESSES AND PIPE ID'S ARE APPROXIMATE VALUES.

PP PRESSURE FITTINGS - NATURAL SOCKET FUSION

SOCKET - PN10



SIZE	PART NO	PRICE
1/2"	031.014.02N	2.45
3/4"	031.014.03N	3.16
1"	031.014.04N	4.60
1 1/4"	031.014.05N	7.02
1 1/2"	031.014.06N	7.16
2"	031.014.07N	10.29
3"	031.014.09N	POA
4"	031.014.10N	POA

90° BEND - PN10



SIZE	PART NO	PRICE
1/2"	031.054.02N	27.13
3/4"	031.054.03N	27.44
1"	031.054.04N	27.44
1 1/4"	031.054.05N	28.67
1 1/2"	031.054.06N	29.37
2"	031.054.07N	34.90

90° ELBOW - PN10



SIZE	PART NO	PRICE
1/2"	031.034.02N	4.27
3/4"	031.034.03N	4.81
1"	031.034.04N	4.99
1 1/4"	031.034.05N	8.57
1 1/2"	031.034.06N	8.86
2"	031.034.07N	14.18
3"	031.034.09N	POA
4"	031.034.10N	POA

EQUAL TEE - PN10



SIZE	PART NO	PRICE
1/2"	031.064.02N	4.99
3/4"	031.064.03N	5.50
1"	031.064.04N	6.63
1 1/4"	031.064.05N	12.17
1 1/2"	031.064.06N	13.26
2"	031.064.07N	21.33
3"	031.064.09N	POA
4"	031.064.10N	POA

45° ELBOW - PN10



SIZE	PART NO	PRICE
1/2"	031.044.02N	4.99
3/4"	031.044.03N	5.41
1"	031.044.04N	6.63
1 1/4"	031.044.05N	10.11
1 1/2"	031.044.06N	10.29
2"	031.044.07N	14.18
3"	031.044.09N	POA
4"	031.044.10N	POA

CAP



SIZE	PART NO	PRICE
1/2"	031.224.02N	3.28
3/4"	031.224.03N	4.60
1"	031.224.04N	4.68
1 1/4"	031.224.05N	7.02
1 1/2"	031.224.06N	7.55
2"	031.224.07N	10.50
3"	031.224.09N	POA
4"	031.224.10N	POA

UNION - PN10



SIZE	PART NO	PRICE
1/2"	031.024.02N	18.36
3/4"	031.024.03N	23.88
1"	031.024.04N	33.79
1 1/4"	031.024.05N	43.77
1 1/2"	031.024.06N	67.02
2"	031.024.07N	98.46

STUB FLANGE - PN10



SIZE	PART NO	PRICE
1/2"	031.114.02N	3.86
3/4"	031.114.03N	4.68
1"	031.114.04N	4.91
1 1/4"	031.114.05N	9.08
1 1/2"	031.114.06N	10.02
2"	031.114.07N	12.86
3"	031.114.09N	POA
4"	031.114.10N	POA

PP PRESSURE FITTINGS & VALVES - NATURAL SOCKET FUSION AND PLAIN/THREADED

REDUCING BUSH - PN10



SIZE	PART NO	PRICE
3/4" x 1/2"	031.094.0302N	9.38
1" x 1/2"	031.094.0402N	11.62
1" x 3/4"	031.094.0403N	11.62
1 1/4" x 1"	031.094.0504N	23.58
1 1/2" x 1"	031.094.0604N	14.08
1 1/2" x 1 1/4"	031.094.0605N	20.30
2" x 1"	031.094.0704N	23.98
2" x 1 1/4"	031.094.0705N	29.37
2" x 1 1/2"	031.094.0706N	27.67
3" x 1 1/2"	031.094.0906N	POA
3" x 2"	031.094.0907N	POA
4" x 2"	031.094.1007N	POA
4" x 3"	031.094.1009N	POA

FULL FACE FLANGE - UNIVERSAL - PN10



SIZE	PART NO	PRICE
1/2"	031.144.02N	10.02
3/4"	031.144.03N	12.17
1"	031.144.04N	12.86
1 1/4"	031.144.05N	15.34
1 1/2"	031.144.06N	16.33
2"	031.144.07N	21.16
3"	031.144.09N	POA
4"	031.144.10N	POA

SOCKET - PLAIN THREADED - PN6



SIZE	PART NO	PRICE
1/2"	031.019.02N	4.99
3/4"	031.019.03N	6.74
1"	031.019.04N	7.96
1 1/4"	031.019.05N	9.81
1 1/2"	031.019.06N	16.03
2"	031.019.07N	19.72

NIPPLE - PLAIN THREADED - PN6



SIZE	PART NO	PRICE
1/2"	031.259.02N	4.60
3/4"	031.259.03N	4.81
1"	031.259.04N	6.63
1 1/4"	031.259.05N	11.21
1 1/2"	031.259.06N	13.38
2"	031.259.07N	18.25
3"	031.259.09N	POA
4"	031.259.10N	POA

BALL VALVE - FPM SEAL - PN10



END CONFIGURATION =
SOCKET

SIZE	PART NO	PRICE
1/2"	031.664.02	POA
3/4"	031.664.03	POA
1"	031.664.04	POA
1 1/4"	031.664.05	POA
1 1/2"	031.664.06	POA
2"	031.664.07	POA

STRAIGHT HOSETAIL - HOSE X MALE BSP



SIZE	PART NO	PRICE
1/4" x 7	043.262M.00007	0.91
1/4" x 10	043.262M.00010	0.91
1/4" x 12	043.262M.00012	0.91
3/8" x 7	043.262M.01007	0.66
3/8" x 10	043.262M.01010	0.66
3/8" x 12	043.262M.01012	0.68
3/8" x 16	043.262M.01016	0.74
1/2" x 13	043.262M.02013	0.97
1/2" x 16	043.262M.02016	0.80
1/2" x 20	043.262M.02020	1.21
3/4" x 10	043.262M.03010	0.82
3/4" x 12	043.262M.03012	0.84
3/4" x 13	043.262M.03013	1.10
3/4" x 16	043.262M.03016	0.84
3/4" x 20	043.262M.03020	0.95
3/4" x 25	043.262M.03025	1.10
1" x 20	043.262M.04020	1.16
1" x 25	043.262M.04025	1.73
1" x 30	043.262M.04030	1.16
1" x 32	043.262M.04032	1.31
1 1/4" x 25	043.262M.05025	1.63
1 1/4" x 30	043.262M.05030	1.89
1 1/4" x 32	043.262M.05032	1.84
1 1/4" x 35	043.262M.05035	1.94
1 1/4" x 38	043.262M.05038	2.05
1 1/4" x 40	043.262M.05040	3.10
1 1/2" x 38	043.262M.06038	2.99
1 1/2" x 40	043.262M.06040	3.89
1 1/2" x 50	043.262M.06050	2.52
2" x 50	043.262M.07050	5.46
2" x 60	043.262M.07060	5.78

90° HOSETAIL - HOSE X FEMALE BSP



SIZE	PART NO	PRICE
1/2" x 12	043.902F.02012	1.84
3/4" x 12	043.902F.03012	2.10
3/4" x 16	043.902F.03016	4.15
3/4" x 20	043.902F.03020	2.52
1" x 22	043.902F.04022	2.63
1" x 25	043.902F.04025	2.94
1 1/4" x 25	043.902F.05025	2.94
1 1/4" x 30	043.902F.05030	3.20
1 1/4" x 32	043.902F.05032	3.57
1 1/2" x 38	043.902F.06038	9.40
2" x 50	043.902F.07050	8.35

STRAIGHT HOSETAIL - HOSE X FEMALE BSP



SIZE	PART NO	PRICE
1/4" x 7	043.872.00007	1.73
3/8" x 9	043.872.01009	1.31
3/8" x 10	043.872.01010	1.31
3/8" x 12	043.872.01012	2.26
1/2" x 13	043.872.02013	1.68
1/2" x 16	043.872.02016	2.31
3/4" x 10	043.872.03010	2.31
3/4" x 12	043.872.03012	2.31
3/4" x 13	043.872.03013	1.58
3/4" x 16	043.872.03016	1.89
3/4" x 19	043.872.03019	2.42
3/4" x 20	043.872.03020	2.15
1" x 20	043.872.04020	1.89
1" x 25	043.872.04025	1.89
1 1/4" x 20	043.872.05020	2.10
1 1/4" x 25	043.872.05025	2.15
1 1/4" x 30	043.872.05030	2.52
1 1/4" x 32	043.872.05032	2.63
1 1/2" x 38	043.872.06038	3.68
1 1/2" x 40	043.872.06040	3.89
2" x 50	043.872.07050	3.94

90° HOSETAIL - HOSE X MALE BSP



SIZE	PART NO	PRICE
1/4" x 10	043.902M.00010	1.16
3/8" x 12	043.902M.01012	1.26
1/2" x 12	043.902M.02012	1.31
1/2" x 13	043.902M.02013	1.31
1/2" x 16	043.902M.02016	1.52
1/2" x 20	043.902M.02020	1.58
3/4" x 12	043.902M.03012	1.31
3/4" x 20	043.902M.03020	1.89
3/4" x 22	043.902M.03022	1.89
3/4" x 25	043.902M.03025	1.89
1" x 25	043.902M.04025	2.42
1" x 30	043.902M.04030	2.36
1" x 32	043.902M.04032	2.52
1 1/4" x 30	043.902M.05030	2.47
1 1/4" x 32	043.902M.05032	2.47
1 1/2" x 38	043.902M.06038	2.99
1 1/2" x 40	043.902M.06040	2.99

PART A MALE ADAPTOR X FEMALE BSP



SIZE	PART NO	PRICE
1/2"	041.105A.02	1.87
3/4"	041.105A.03	1.87
1"	041.105A.04	1.94
1 1/4"	041.105A.05	2.65
1 1/2"	041.105A.06	2.65
2"	041.105A.07	2.97
3"	041.105A.09	11.05
4"	041.105A.10	16.67

PART D FEMALE COUPLER X FEMALE BSP



SIZE	PART NO	PRICE
1/2"	041.105D.02	7.82
3/4"	041.105D.03	7.82
1"	041.105D.04	8.91
1 1/4"	041.105D.05	11.43
1 1/2"	041.105D.06	12.02
2"	041.105D.07	13.18
3"	041.105D.09	25.71
4"	041.105D.10	36.51

PART B FEMALE COUPLER X MALE BSP



SIZE	PART NO	PRICE
1/2"	041.105B.02	8.07
3/4"	041.105B.03	8.07
1"	041.105B.04	8.73
1 1/4"	041.105B.05	11.25
1 1/2"	041.105B.06	11.63
2"	041.105B.07	13.57
3"	041.105B.09	25.78
4"	041.105B.10	33.21

PART E MALE ADAPTOR X HOSE TAIL



SIZE	PART NO	PRICE
1/2"	041.105E.02	1.42
3/4"	041.105E.03	1.42
1"	041.105E.04	1.55
1 1/4"	041.105E.05	2.19
1 1/2"	041.105E.06	2.19
2"	041.105E.07	2.71
3"	041.105E.09	12.60
4"	041.105E.10	15.06

PART C FEMALE COUPLER X HOSE TAIL



SIZE	PART NO	PRICE
1/2"	041.105C.02	7.62
3/4"	041.105C.03	8.14
1"	041.105C.04	8.73
1 1/4"	041.105C.05	11.89
1 1/2"	041.105C.06	12.21
2"	041.105C.07	13.05
3"	041.105C.09	30.18
4"	041.105C.10	36.51

PART F MALE ADAPTOR X MALE BSP



SIZE	PART NO	PRICE
1/2"	041.105F.02	1.49
3/4"	041.105F.03	1.35
1"	041.105F.04	1.49
1 1/4"	041.105F.05	2.33
1 1/2"	041.105F.06	2.33
2"	041.105F.07	2.78
3"	041.105F.09	11.05
4"	041.105F.10	16.67

PART DC DUST CAP



SIZE	PART NO	PRICE
3/4"	041.105DC.03	8.01
1"	041.105DC.04	8.73
1 1/2"	041.105DC.06	11.63
2"	041.105DC.07	12.99
3"	041.105DC.09	25.78
4"	041.105DC.10	33.21

PART DP DUST PLUG



SIZE	PART NO	PRICE
3/4"	041.105DP.03	1.74
1"	041.105DP.04	1.81
1 1/2"	041.105DP.06	2.26
2"	041.105DP.07	2.78
3"	041.105DP.09	11.05
4"	041.105DP.10	16.29

SOCKET



SIZE	PART NO	PRICE
1/2"	041.013.02	0.79
3/4"	041.013.03	0.86
1"	041.013.04	1.02
1 1/4"	041.013.05	2.00
1 1/2"	041.013.06	2.73
2"	041.013.07	3.94
3"	041.013.09	16.49

CAP



SIZE	PART NO	PRICE
1/2"	041.223.02	0.53
3/4"	041.223.03	0.62
1"	041.223.04	0.65
1 1/4"	041.223.05	0.93
1 1/2"	041.223.06	1.73
2"	041.223.07	2.26
3"	041.223.09	POA

90° ELBOW



SIZE	PART NO	PRICE
1/2"	041.033.02	1.63
3/4"	041.033.03	1.94
1"	041.033.04	2.26
1 1/4"	041.033.05	4.36
1 1/2"	041.033.06	6.25
2"	041.033.07	9.50
3"	041.033.09	POA

PLUG



SIZE	PART NO	PRICE
1/2"	041.233.02	0.53
3/4"	041.233.03	0.62
1"	041.233.04	0.80
1 1/4"	041.233.05	0.96
1 1/2"	041.233.06	2.10
2"	041.233.07	POA
3"	041.233.09	POA

90° ELBOW - MALE/FEMALE



SIZE	PART NO	PRICE
1/2"	041.543.02	0.69
3/4"	041.543.03	2.10
1"	041.543.04	2.73
1 1/4"	041.543.05	2.15
1 1/2"	041.543.06	POA
2"	041.543.07	POA

REDUCING BUSH



SIZE	PART NO	PRICE
3/4" x 1/2"	041.093.0302	0.54
1" x 1/2"	041.093.0402	0.61
1" x 3/4"	041.093.0403	0.66
1 1/4" x 1/2"	041.093.0502	0.85
1 1/4" x 3/4"	041.093.0503	0.93
1 1/4" x 1"	041.093.0504	0.92
1 1/2" x 1/2"	041.093.0602	0.92
1 1/2" x 3/4"	041.093.0603	0.92
1 1/2" x 1"	041.093.0604	1.00
1 1/2" x 1 1/4"	041.093.0605	0.93
2" x 1/2"	041.093.0702	2.15
2" x 3/4"	041.093.0703	2.36
2" x 1"	041.093.0704	2.63
2" x 1 1/4"	041.093.0705	2.63
2" x 1 1/2"	041.093.0706	2.68
3" x 2"	041.093.0907	6.62

EQUAL TEE



SIZE	PART NO	PRICE
1/2"	041.063.02	2.36
3/4"	041.063.03	2.63
1"	041.063.04	3.10
1 1/4"	041.063.05	5.62
1 1/2"	041.063.06	8.09
2"	041.063.07	11.76
3"	041.063.09	33.18

REDUCING SOCKET



SIZE	PART NO	PRICE
3/4" x 1/2"	041.603.0302	0.88
1" x 1/2"	041.603.0402	1.26
1" x 3/4"	041.603.0403	1.94
1 1/4" x 1"	041.603.0504	2.84
1 1/2" x 1"	041.603.0604	2.52
1 1/2" x 1 1/4"	041.603.0605	4.36
2" x 3/4"	041.603.0703	POA
2" x 1"	041.603.0704	2.94
2" x 1 1/2"	041.603.0706	7.46
3" x 2"	041.603.0907	POA

NIPPLE



SIZE	PART NO	PRICE
1/2"	041.253.02	0.47
3/4"	041.253.03	0.62
1"	041.253.04	0.65
1 1/4"	041.253.05	1.16
1 1/2"	041.253.06	1.63
2"	041.253.07	2.73
3"	041.253.09	3.73

PP BLACK THREADED FITTINGS & ACCESSORIES

REDUCING NIPPLE



SIZE	PART NO	PRICE
3/4" x 1/2"	041.283.0302	0.62
1" x 1/2"	041.283.0402	0.68
1" x 3/4"	041.283.0403	0.68
1 1/4" x 1/2"	041.283.0502	1.52
1 1/4" x 3/4"	041.283.0503	1.16
1 1/2" x 1 1/4"	041.283.0605	1.94
2" x 1"	041.283.0704	1.89
2" x 1 1/4"	041.283.0705	1.89
2" x 1 1/2"	041.283.0706	2.84

REDUCER - FEMALE/MALE



SIZE	PART NO	PRICE
3/4" x 1/2"	041.303.0302	1.58
1" x 1/2"	041.303.0402	2.73
1" x 3/4"	041.303.0403	2.73
1 1/4" x 3/4"	041.303.0503	2.78
1 1/4" x 1"	041.303.0504	2.78
1 1/2" x 1"	041.303.0604	3.52
1 1/2" x 1 1/4"	041.303.0605	3.52
2" x 1 1/2"	041.303.0706	3.57

REDUCER - FEMALE/MALE



SIZE	PART NO	PRICE
1/2" x 3/4"	041.293.0203	1.63
1/2" x 1"	041.293.0204	POA
1/2" x 1 1/4"	041.293.0205	POA
3/4" x 1"	041.293.0304	1.58
3/4" x 1 1/4"	041.293.0305	1.58
3/4" x 1 1/2"	041.293.0306	POA
1" x 1 1/4"	041.293.0405	2.73
1" x 1 1/2"	041.293.0406	POA
1" x 2"	041.293.0407	POA
1 1/4" x 1 1/2"	041.293.0506	2.78
1 1/4" x 2"	041.293.0507	POA
1 1/2" x 2"	041.293.0607	3.52

GRIFFON CLEANER SPRAY



SIZE	PART NO	PRICE
500ml	96.E6308245	33.44

GRIFFON CLEANER WIPES



SIZE	PART NO	PRICE
1x100	96.E6307549	35.18

GRIFFON CABLE SAW



SIZE	PART NO	PRICE
	96.E6307762	32.64

GRIFFON DE-BURRING TOOL



SIZE	PART NO	PRICE
	96.E6307765	43.59

GRIFFON CHAMFERING TOOL



SIZE	PART NO	PRICE
20-63	96.E6307771	351.66
1/2"-2"		

*FOR SIZES 3/4" AND 1 1/4" THE NEXT SIZE INSERT NEEDS TO BE USED IE 3/4" - 32MM, 1 1/4" - 50MM

GRIFFON CLEANER CLOTHS



SIZE	PART NO	PRICE
1x100	96.E6307417	45.90

INDUSTRIAL PIPE CLIP INCH - BLACK P/P



SIZE	PART NO	PRICE
1/2"	961.41.02	1.92
3/4"	961.41.03	2.04
1"	961.41.04	2.25
1 1/4"	961.41.05	3.01
1 1/2"	961.41.06	3.26
2"	961.41.07	4.12
3"	961.41.09	9.61
4"	961.41.10	13.35
6"	961.41.12	30.03

INDUSTRIAL SPACING BLOCK - BLACK P/P



SIZE	PART NO	PRICE
1/2" / 20	961.42.02	0.97
3/4" / 25	961.42.03	1.16
1" / 32	961.42.04	1.44
1 1/4" / 40	961.42.05	1.68
1 1/2" / 50	961.42.06	2.25
2" / 63	961.42.07	3.12
75	961.42.08	4.51
3" / 90	961.42.09	4.66
4" / 110	961.42.10	5.34

INDUSTRIAL PIPE CLIP METRIC - BLACK P/P



SIZE	PART NO	PRICE
20	962.41.020	1.92
25	962.41.025	2.04
32	962.41.032	2.25
40	962.41.040	3.01
50	962.41.050	3.26
63	962.41.063	4.12
75	961.41.08	7.89
90	961.41.09	9.61
110	962.41.110	13.35
125	962.41.125	21.32
140	961.41.11	23.54
160	962.41.160	30.03
180	962.41.180	31.81
200	962.41.200	44.40
225	962.41.225	51.71
250	962.41.250	65.90
280	962.41.280	76.54
315	962.41.315	80.40
355	962.41.355	91.15
400	962.41.400	98.56

EPDM STUB GASKET



SIZE	PART NO	PRICE
1/2" / 20	983.151.02	1.49
3/4" / 25	983.151.03	1.82
1" / 32	983.151.04	2.44
1 1/4" / 40	983.151.05	2.86
1 1/2" / 50	983.151.06	2.96
2" / 63	983.151.07	3.07
75	983.151.08	3.27
3" / 90	983.151.09	3.71
4" / 110	983.151.10	5.30
125	983.151.11	7.31
6" / 160	983.151.12	7.72
200	983.151.13	16.09
225	983.151.13A	16.09
250	983.151.14	16.83
280	983.151.14A	16.83
315	983.151.15	21.49
355	983.151.16	26.51
400	983.151.17	33.92

EPDM FULL FACE GASKET - BS4504 NP10/16



SIZE	PART NO	PRICE
1/2" / 20	983.171.02Z	2.86
3/4" / 25	983.171.03Z	2.95
1" / 32	983.171.04Z	3.45
1 1/4" / 40	983.171.05Z	4.01
1 1/2" / 50	983.171.06Z	5.50
2" / 63	983.171.07Z	6.03
3" / 90	983.171.09Z	8.37
4" / 110	983.171.10Z	12.19
6" / 160	983.171.12Z	19.49
180	983.171.12AZ	19.49
200 NP10	983.171.13Y	21.71
200 NP16	983.171.13Z	21.71
225 NP10	983.171.13AY	21.71
225 NP16	983.171.13AZ	21.71
250 NP10	983.171.14Y	29.13
250 NP16	983.171.14Z	29.13
280 NP10	983.171.14AY	29.13
280 NP16	983.171.14AZ	29.13
315 NP10	983.171.15Y	40.77
315 NP16	983.171.15Z	40.77
355 NP10	983.171.16Y	49.86
355 NP16	983.171.16Z	49.86
400 NP10	983.171.17Y	61.50
400 NP16	983.171.17Z	61.50

EPDM FULL FACE GASKET - BS10 TABLES D/E



SIZE	PART NO	PRICE
1/2" / 20	983.171.02W	2.86
3/4" / 25	983.171.03W	2.95
1" / 32	983.171.04W	3.45
1 1/4" / 40	983.171.05W	4.01
1 1/2" / 50	983.171.06W	5.50
2" / 63	983.171.07W	6.03
3" / 90	983.171.09W	8.37
4" / 110 D	983.171.10V	12.19
4" / 110 E	983.171.10W	12.19
6" / 160	983.171.12W	19.49
180	983.171.12AW	19.49
200 D	983.171.13V	21.71
200 E	983.171.13W	21.71
225 D	983.171.13AV	21.71
225 E	983.171.13AW	21.71

EPDM FULL FACE GASKET - ASA 150



SIZE	PART NO	PRICE
1/2" / 20	983.171.02X	2.86
3/4" / 25	983.171.03X	2.95
1" / 32	983.171.04X	3.45
1 1/4" / 40	983.171.05X	4.01
1 1/2" / 50	983.171.06X	5.50
2" / 63	983.171.07X	6.03
3" / 90	983.171.09X	8.37
4" / 110	983.171.10X	12.19
6" / 160	983.171.12X	19.49
180	983.171.12AX	19.49
200	983.171.13X	21.71
225	983.171.13AX	21.71
250	983.171.14X	29.13
280	983.171.14AX	29.13
315	983.171.15X	40.77

GALVANISED BACKING RING - BS4504 NP10/16


SIZE	PART NO	PRICE
1/2" / 20	991.331.02Z	9.54
3/4" / 25	991.331.03Z	9.83
1" / 32	991.331.04Z	11.00
1 1/4" / 40	991.331.05Z	11.24
1 1/2" / 50	991.331.06Z	14.72
2" / 63	991.331.07Z	19.58
63*	992.331.063ZS	19.58
75	991.331.08Z	26.90
75*	992.331.075ZS	26.90
3" / 90	991.331.09Z	29.76
90*	992.331.090ZS	29.76
4" / 110	991.331.10Z	38.55
110*	992.331.110ZS	38.55
125*	992.331.125ZS	60.79
140*	992.331.140ZS	60.79
6" / 160	991.331.12Z	63.53
160*	992.331.160ZS	63.53
180*	991.331.180ZS	63.53
200 NP10*	992.331.200YS	87.04
200 NP16*	992.331.200ZS	87.04
225 NP10*	991.331.225YS	87.04
225 NP16*	991.331.225ZS	87.04
250 NP10*	992.331.250YS	208.14
250 NP16*	992.331.250ZS	208.14
280 NP10*	992.331.280YS	208.14
280 NP16*	992.331.280ZS	208.14
315 NP10*	992.331.315YS	340.63
315 NP16*	992.331.315ZS	340.63
355 NP10*	992.331.355YS	POA
355 NP16*	992.331.355ZS	POA
400 NP10*	992.331.400YS	POA
400 NP16*	992.331.400ZS	POA

GALVANISED BACKING RING - BS10 TABLES D/E


SIZE	PART NO	PRICE
1/2" / 20	991.331.02W	9.54
3/4" / 25	991.331.03W	9.83
1" / 32	991.331.04W	11.00
1 1/4" / 40	991.331.05W	11.24
1 1/2" / 50	991.331.06W	14.72
2" / 63	991.331.07W	19.58
63*	992.331.063WS	19.58
75	991.331.08W	26.90
75*	992.331.075WS	26.90
3" / 90	991.331.09W	29.76
90*	992.331.090WS	29.76
4" / 110 E	991.331.10W	38.55
110* E	992.331.110WS	38.55
125*	992.331.125WS	60.79
140*	992.331.140WS	60.79
6" / 160	991.331.12W	63.53
160*	992.331.160WS	63.53
180*	992.331.180WS	63.53
200 D*	992.331.200VS	87.04
200 E*	992.331.200WS	87.04
225 D*	992.331.225VS	87.04
225 E*	992.331.225WS	87.04
250 D*	992.331.250VS	208.14
250 E*	992.331.250WS	208.14
280 D*	992.331.280VS	208.14
280 E*	992.331.280WS	208.14
315 D*	992.331.315VS	340.63
315 E*	992.331.315WS	340.63
355 D*	992.331.355VS	POA
355 E*	992.331.355WS	POA
400 D*	992.331.400VS	POA
400 E*	992.331.400WS	POA

GALVANISED BACKING RING - ASA 150


SIZE	PART NO	PRICE
1/2" / 20	991.331.02X	9.54
3/4" / 25	991.331.03X	9.83
1" / 32	991.331.04X	11.00
1 1/4" / 40	991.331.05X	11.24
1 1/2" / 50	991.331.06X	14.72
2" / 63	991.331.07X	19.58
63*	992.331.063XS	19.58
75	991.331.08X	26.90
75*	992.331.075XS	26.90
3" / 90	991.331.09X	29.76
90*	992.331.090XS	29.76
4" / 110	991.331.10X	38.55
110*	992.331.110XS	38.55
125*	992.331.125XS	60.79
140*	992.331.140XS	60.79
6" / 160	991.331.12X	63.53
160*	992.331.160XS	63.53
180	992.331.180XS	63.53
200	992.331.200XS	87.04
225	992.331.225XS	87.04
250	992.331.250XS	208.14
280	992.331.280XS	208.14
315	992.331.315XS	340.63
355	992.331.355X	POA
400	992.331.400X	POA

* FOR USE WITH BUTT FUSION STUB FLANGES.

ALL OTHER ITEMS ARE FOR USE WITH SOCKET FUSION STUB FLANGES