

# e p c o

PIPE SYSTEMS



ABS



PVC IMPERIAL



PVC METRIC



POLYPROPYLENE



PVC IMPERIAL JOINTING PROCEDURES	49
PVC IMPERIAL PRICE REFERENCE	51
PVC IMPERIAL PRESSURE PIPE	57
PVC IMPERIAL CLEAR PRESSURE PIPE & PLAIN FITTINGS	59
PVC IMPERIAL PRESSURE FITTINGS PLAIN	60
PVC IMPERIAL PRESSURE FITTINGS PLAIN / THREADED (BSP+NPT)	66
PVC IMPERIAL PRESSURE FITTINGS THREADED (BSP)	73
PVC IMPERIAL MANUAL VALVES	78
METAL MANUAL VALVES & PVC BALL VALVE SPARES	89
PVC IMPERIAL VARIABLE AREA FLOWMETERS	90
PVC IMPERIAL ACTUATED VALVES	91
PVC IMPERIAL ACCESSORIES	105



**PVC IMPERIAL – (POLYVINYL CHLORIDE UNPLASTICISED)**

# PVC IMPERIAL JOINTING PROCEDURES

ABS

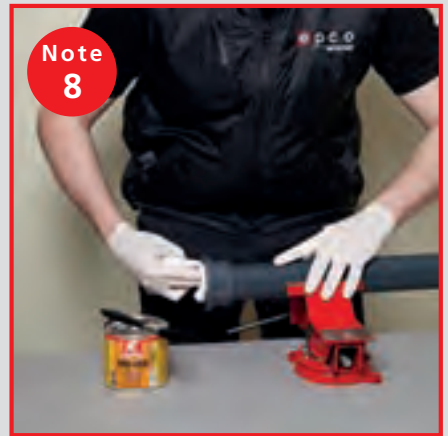
PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



## ACCESSORIES



## PRECAUTIONS

- The jointing area must be well ventilated
- Do not allow a naked flame or smoking in the jointing area
- Ensure cement is used prior to its expiry date (shown on bottom of tin)
- Wear rubber or latex gloves when applying MEK cleaner and PVC cement
- Never dilute PVC solvent cement
- Always replace lids on tins when not in use
- Always use clean brushes
- Always use clean lint-free cloth or absorbent paper
- Use a shelter to keep jointing surfaces dry in wet weather

PVC cement is gap filling.

PVC cement softens the inside of the fitting and the outside of the pipe to form a joint chemically.

Strength of joint is reduced if surfaces are not cleaned and properly prepared.

1. Cut the pipe ends square.
2. Remove burrs and clean out swarf. A chamfer must be filed approx 3mm x 45° (This will prevent the layer of cement being scraped away as the pipe is pushed into the fitting).
3. Use a felt marker pen or pencil to mark the pipe at the distance which will penetrate the fitting socket to the root/ stop.
4. Thoroughly clean the surfaces of both pipe and fittings with MEK cleaner on a clean lint-free cloth. Please note it is not necessary to abrade pipe or fitting unless pipes are discoloured/sun bleached.
5. Stir the PVC Cement thoroughly.
6. Use a clean brush approximately half as wide as the pipe to be jointed.

Apply cement to the pipe and fittings using longitudinal strokes.

The pipe should have as lightly thicker coating than the fitting.

The prepared areas should be completely covered with cement.

**Note:** It is important to apply cement quickly to enable assembly without excessive force being required.

7. Immediately after application of cement push pipe fully home to the stop in the fitting without rotating.

Hold the pipe and fitting for up to a minute, depending on size, to ensure fitting does not slide off the pipe.

**Note:** When working under cold conditions ensure the joints are free from frost and moisture and allow extra curing time.

8. Wipe off excess cement from both sides of the joint using a clean lint-free cloth.
9. Replace lids on tins.
10. Clean brush in MEK cleaner.

## INSTALLING THREADED FITTINGS USING PTFE TAPE

1. Ensure all threads are clean.
2. Apply PTFE Tape to the male thread for 1 1/2 turns in a clockwise direction.
3. Screw the female threaded fitting by hand onto the male thread.
4. It should be possible to screw the fitting on by hand for 2/3 of the thread length.
5. After tightening by hand add an extra 1/2 turn with a suitable tool i.e strap wrench.

## PRECAUTIONS

Use PTFE Tape or Kolmat Fibre Tape/Paste. Do not force tightening of the joint under any circumstances. For connecting plastic pipework systems to metal pipework systems composite unions and/or flanges must be used.

## CEMENT SETTING TIMES

PIPE DIAMETER	UP TO 2"		2 1/2" TO 4"		5" AND ABOVE		
	Temp	Up to 10 bar	Up to 16 bar	Up to 10 bar	Up to 16 bar	Up to 10 bar	Up to 16 bar
>10°C		2 h (4 h)	4 h (8 h)	4 h (8 h)	8 h (16 h)	8 h (24 h)	16 h (-)
5°C to 10°C		4 h (12 h)	8 h (24 h)	8 h (24 h)	16 h (48 h)	16 h (72 h)	32 h (-)

These times are applicable to UNI-100 Griffon cement with UNI-100 XT in brackets.

PIPE DIAMETER	UP TO 1 1/2"			2" TO 4"			5" AND ABOVE			
	Temp	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar
>15°C		15 min	30 min	2 h	30 min	1 h	4 h	2 h	8 h	16 h
5°C to 15°C		30 min	1 h	4 h	1 h	2 h	8 h	4 h	16 h	32 h

These times are applicable to WDF-05 Griffon cement.

- Solvent cement setting times are given for guidance only and can vary depending on a number of factors.

## CEMENT USAGE RECOMMENDATIONS

The following is an estimation of the number of joints likely to be achieved per litre of solvent cement.

NOMINAL BORE	NUMBER OF JOINTS	TYPE AND SIZE OF BRUSH	NUMBER OF PEOPLE
3/8" – 1/2"	1300	4mm Round	1
3/4" – 1"	650	8mm Round	1
1 1/4" – 2"	160	1" Flat	1
2 1/2"	90	2" Flat	1
3"	70	2" Flat	2
4"	30	3" Flat	2
5" – 6"	20	3" Flat	3
8"	12	3" Flat	3
10"	8	3" Flat	3
12"	4	3" Flat	3

# PVC IMPERIAL PRICE REFERENCE

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

PVC IMPERIAL PRESSURE PIPE



PAGE 19

CLEAR PVC PIPE x 3 METRE STANDARD LENGTH



PAGE 19

PLAIN SOCKET



PAGE 19

PLAIN 90° ELBOW



PAGE 19

PLAIN 90° SHORT RADIUS BEND



PAGE 20

PLAIN INCH / METRIC ADAPTOR SOCKET



PAGE 20

PLAIN 45° ELBOW



PAGE 20

PLAIN EQUAL TEE



PAGE 20

PLAIN Y PIECE / 45° TEE



PAGE 20

PLAIN REDUCING TEE



PAGE 20

PLAIN UNION



PAGE 21

INCH / METRIC ADAPTOR UNION



PAGE 21

PLAIN HOSE ADAPTOR – MALE SPIGOT x mm HOSE TAIL



PAGE 21

PLAIN CHALLENGER HOSE ADAPTOR – MALE SPIGOT x mm HOSE TAIL



PAGE 21

PLAIN REDUCING SOCKET



PAGE 21

PLAIN CROSS



PAGE 21

PLAIN CAP



PAGE 21

PLAIN REDUCING BUSH



PAGE 22

PLAIN STUB FLANGE



PAGE 22

PVC SINGLE CLAMP SADDLE – INCH SIZES



PAGE 22

PLAIN FULL FACE FLANGES



PAGE 22

PLAIN BLANK FLANGES



PAGE 23

PLAIN / THREADED SOCKET



PAGE 23

PLAIN / THREADED SOCKET – S/S REINFORCED



PAGE 23

PLAIN / THREADED 90° ELBOW



PAGE 24

# PVC IMPERIAL PRICE REFERENCE

PLAIN / THREADED 90° ELBOW – S/S REINFORCED



PLAIN / THREADED 45° ELBOW



PLAIN / THREADED EQUAL TEE



TEE – EXTERNAL THREAD ON ALL SIDES



EQUAL TEE – S/S REINFORCED



ADAPTOR – FEMALE PLAIN / MALE PLAIN / MALE THREADED



ADAPTOR – MALE PLAIN / FEMALE THREADED



ADAPTOR – S/S REINFORCED – MALE PLAIN / FEMALE THREADED



FEMALE THREADED ADAPTOR SCH40 x NPT



MALE THREADED ADAPTOR SCH40 x NPT



PLAIN / THREADED UNION



PLAIN / THREADED UNION – REINFORCED



PLAIN / THREADED UNION – WITH 'O' RING



UNION – MALE THREAD ONE END



HOSE ADAPTOR – MALE BSP x mm HOSE TAIL



CHALLENGER HOSE ADAPTOR – MALE BSP x INCH HOSE TAIL



HOSE ADAPTOR – FEMALE BSP x mm HOSE TAIL



TANK CONNECTOR



NIPPLE



PLAIN / THREADED REDUCING BUSH



COMPOSITE UNION – MALE BRASS



COMPOSITE UNION – FEMALE BRASS



COMPOSITE UNION – MALE BRASS WITH PVC NUT



COMPOSITE UNION – FEMALE BRASS WITH PVC NUT



PP TANK CONNECTOR



ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

# PVC IMPERIAL PRICE REFERENCE

THREADED SOCKET



PAGE 27

THREADED 90° ELBOW



PAGE 27

90° ELBOW – MALE THREAD ONE END – FEMALE THREAD ONE END



PAGE 27

THREADED 45° ELBOW



PAGE 27

THREADED EQUAL TEE



PAGE 27

THREADED UNION



PAGE 27

THREADED REDUCING SOCKET



PAGE 28

THREADED THREADED CAP



PAGE 28

THREADED PLUG



PAGE 28

THREADED REDUCING BUSH – LONG PATTERN



PAGE 28

THREADED REDUCING BUSH – LONG PATTERN REINFORCED



PAGE 28

THREADED REDUCING BUSH – SHORT PATTERN



PAGE 28

THREADED REDUCING PIECE – MALE / FEMALE



PAGE 29

THREADED REDUCING PIECE – MALE / FEMALE REINFORCED



PAGE 29

THREADED HEXAGON NIPPLE



PAGE 29

NIPPLE



PAGE 29

THREADED REDUCING NIPPLE



PAGE 29

THREADED BACKNUT



PAGE 29

THREADED FULL FACE FLANGE – NP10/16



PAGE 29

SINGLE UNION STANDARD BALL VALVE



PAGE 30

DOUBLE UNION STANDARD BALL VALVE



PAGE 30

DOUBLE UNION INDUSTRIAL BALL VALVE



PAGE 30

DOUBLE UNION STANDARD BALL VALVE FLANGED



PAGE 31

COMPRESSION BALL VALVE



PAGE 31

EXCEL BALL VALVE ISO TOP



PAGE 31

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

# PVC IMPERIAL PRICE REFERENCE

STANDARD SPRING CHECK  
NON RETURN AIR RELEASE AND  
FOOTVALVES



STANDARD WAFER TYPE CHECK  
VALVES



BUTTERFLY VALVE – PVC BODY &  
POLYPROPYLENE DISC



BUTTERFLY VALVE – PVC BODY &  
PVC DISC



MOUNTING KIT FOR BUTTERFLY  
VALVE



DUCTILE IRON BUTTERFLY VALVE  
– EPDM LINER



STANDARD SPRING TYPE FOOT  
VALVE STRAINER



SIGHT GLASS



LABORATORY BALL VALVE –  
THREADED ENDS



COMPACT BALL VALVES



VACUUM BREAKER VALVE



SLIDE VALVE



SINGLE UNION BALL CHECK  
VALVE



3 WAY L PORT – T PORT BALL  
VALVES



INDUSTRIAL DIAPHRAGM VALVE  
HANDWHEEL OPERATED



BRASS BALL VALVE



BRASS BALL VALVE – LOCKABLE



BRASS GATE VALVE



BRASS SWING CHECK VALVE –  
METAL SEAT



SEAL KITS



VALVE HANDLES



VARIABLE AREA FLOWMETERS



ELECTRICALLY ACTUATED  
BALL VALVES



PNEUMATICALLY ACTUATED  
BALL VALVE



ELECTRICALLY ACTUATED  
BUTTERFLY VALVES



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PVC METRIC

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ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

PNEUMATICALLY ACTUATED DIAPHRAGM VALVE



PAGE 41

PNEUMATICALLY ACTUATED ISO TOP BALL VALVE



PAGE 42

GRIFFON UNI-100 PVC CEMENT



PAGE 43

GRIFFON CLEANING FLUID



PAGE 43

GRIFFON UNI-100 XT



PAGE 43

GRIFFON HCR-36 CHEMICAL CEMENT



PAGE 43

GRIFFON UNI-100 GT PVC CEMENT



PAGE 43

GRIFFON HCR-36 CHEMICAL CLEANER



PAGE 43

GRIFFON WDF-05



PAGE 43

GRIFFON T-88 PVC CEMENT



PAGE 43

125g TUBE GRIFFON KOLMAT PVC / ABS THREAD SEAL PASTE



PAGE 43

GRIFFON AQUA-MAX POOL SEALANT



PAGE 43

5 METRE ROLL OF EMERY TAPE - 80 GRIT



PAGE 43

KOLMAT FIBRE ROLL 12mm x 15 METRES



PAGE 43

GRIFFON CABLE SAW



PAGE 43

GRIFFON CHAMFERING TOOL



PAGE 43

GRIFFON HAND CLEANER



PAGE 43

GRIFFON SFT-101 REPAIR TAPE 25mm WIDE x 3 METRE ROLL



PAGE 43

12mm WIDE PTFE THREAD SEAL TAPE



PAGE 43

GRIFFON MULTI-FUNCTIONAL WIPES



PAGE 43



# PVC IMPERIAL PRICE REFERENCE

GRIFTON CLEANER CLOTHS



PAGE 43

GLUE BRUSHES



PAGE 44

EPDM O RINGS TO SUIT PVC UNIONS



PAGE 43

INDUSTRIAL PIPE CLIP – BLACK P/P



PAGE 44

GREEN RUBBER LINED PIPE CLIP



PAGE 44

QUICK CLAMP PIPE CLIP



PAGE 44

INDUSTRIAL SPACING BLOCK – BLACK P/P



PAGE 44

PVC IMPERIAL VALVE END PLAIN



PAGE 44

PVC IMPERIAL VALVE NUT



PAGE 44

EPDM FULL FACE GASKET



PAGE 44

GALVANISED MILD STEEL BACKING RING



PAGE 45

GRPP COATED MILD STEEL BACKING RING



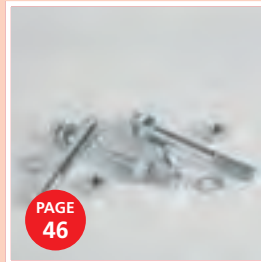
PAGE 45

PVC IMPERIAL BACKING RING



PAGE 46

FASTENER SET



PAGE 46

EPDM STUB GASKET



PAGE 46



ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

# PVC IMPERIAL PRESSURE PIPE

## MANUFACTURING STANDARDS

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

Pipe – EN1452–2

Fittings – EN1452–3 / BS4346 Part 1

Threaded Fittings – BS21, DIN2999, ISO7

Unless otherwise stated PVC Pressure Fittings have the following pressure ratings:

Solvent Weld – 3/8" to 8" = Class E/15 bar

10" = Class D/12 bar

Threaded = Class D/12 bar

\* All quoted at 20°C

## PVC SYSTEM PRESSURE/ TEMPERATURE 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.

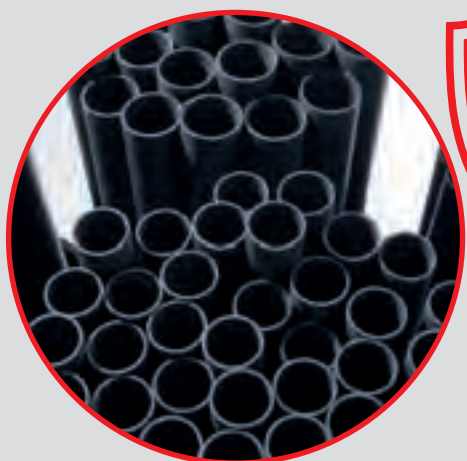
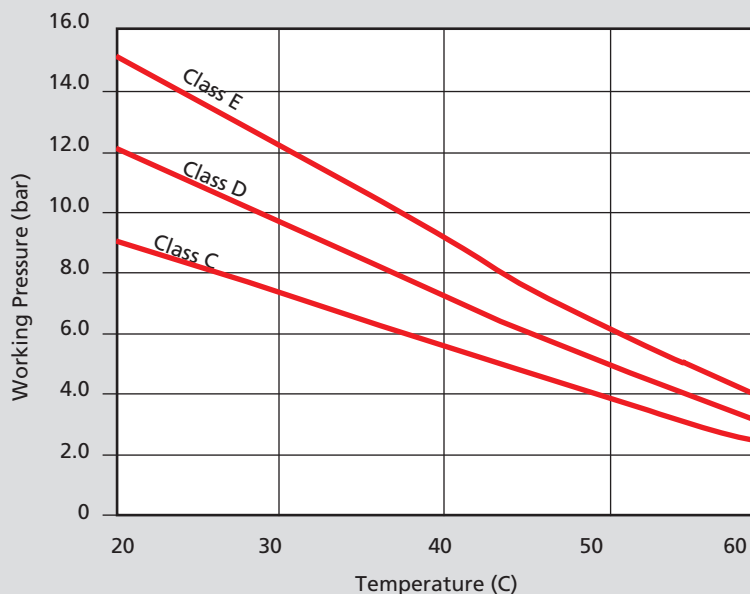
PVC systems should never be used for temperatures in excess of 60°C.

The following chart gives a rough guide as to the pressure/ temperature relationship of PVC pipework systems.

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 spacings for horizontal runs of PVC pipe are given in the table below. Spacings are calculated assuming the pipes are carrying water.

## PVC PIPEWORK SUPPORT CENTRES

20°C NOMINAL BORE	20°C	25°C	30°C	35°C	40°C	45°C	20°C – 45°C
	SPACING GIVEN IN METRES						VERTICAL PIPES
3/8"	0.75	0.67	0.60	0.50	0.40		0.80
1/2"	0.85	0.77	0.70	0.60	0.50		0.90
3/4"	0.90	0.82	0.75	0.65	0.55	0.50	1.00
1"	1.00	0.92	0.85	0.75	0.65	0.57	1.20
1 1/4"	1.10	1.05	1.00	0.90	0.80	0.70	1.40
1 1/2"	1.25	1.20	1.15	1.05	0.95	0.82	1.60
2"	1.40	1.35	1.30	1.20	1.10	0.97	1.80
2 1/2"	1.50	1.45	1.40	1.30	1.20	1.07	2.00
3"	1.65	1.60	1.55	1.45	1.35	1.20	2.20
4"	1.85	1.80	1.75	1.65	1.55	1.37	2.40
5"	2.15	2.10	2.05	1.95	1.85	1.72	2.50
6"	2.25	2.20	2.15	2.07	2.00	1.85	2.50
8"	2.50	2.45	2.40	2.32	2.25	2.12	2.50





PIPE IS SUPPLIED PLAIN ENDED

PRICE ON APPLICATION FOR OTHER END CONFIGURATIONS  
IE: SPIGOT AND SOCKET / RUBBER RING. PIPES WITH SPIGOT/  
SOCKET AND RUBBER RING ENDS MAY BE SUBJECT TO  
MINIMUM MANUFACTURING QUANTITIES AND/OR LEAD TIMES.

STANDARD PIPE LENGTH SUPPLIED IS 6 METRES OR 5.8 METRES.

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

## CLASS C IMPERIAL GREY PVC PRESSURE PIPE TO EN1452-2

SIZE	PART NO	CLASS	PIPE OD mm	WALL mm	PIPE ID mm	Wt (Kg/m)
2"	021.P.07CPE	C	60.3	2.5	55.3	0.75
2 1/2"	021.P.08CPE	C	75.2	3.6	68.0	1.24
3"	021.P.09CPE	C	88.9	3.5	81.9	1.51
4"	021.P.10CPE	C	114.3	4.5	105.3	2.47
5"	021.P.11CPE	C	140.2	6.0	128.2	3.71
6"	021.P.12CPE	C	168.3	6.6	155.1	5.30
8"	021.P.13CPE	C	219.1	7.8	203.5	8.20
10"	021.P.14CPE	C	273.0	9.7	253.6	12.00
12"	021.P.15CPE	C	323.9	11.5	300.9	16.60
14"	021.P.16CPE	C	355.6	14.1	327.4	20.20
16"	021.P.17CPE	C	406.4	14.5	377.4	26.50
18"	021.P.18CPE	C	457.2	16.3	424.6	33.30
20"	021.P.19CPE	C	508.0	18.1	471.8	41.50
24"	021.P.20CPE	C	609.6	21.7	566.2	59.90

## CLASS D IMPERIAL GREY PVC PRESSURE PIPE TO EN1452-2

SIZE	PART NO	CLASS	PIPE OD mm	WALL mm	PIPE ID mm	Wt (Kg/m)
1 1/4"	021.P.05DPE	D	42.2	2.2	37.8	0.45
1 1/2"	021.P.06DPE	D	48.3	2.5	43.3	0.59
2"	021.P.07DPE	D	60.3	3.1	54.1	0.90
3"	021.P.09DPE	D	88.9	4.6	79.7	1.93
4"	021.P.10DPE	D	114.3	6.0	102.3	3.24
6"	021.P.12DPE	D	168.3	8.8	150.7	6.95
8"	021.P.13DPE	D	219.1	10.3	198.5	10.56
10"	021.P.14DPE	D	273.0	12.8	247.4	15.80
12"	021.P.15DPE	D	323.9	15.2	293.5	22.20
14"	021.P.16DPE	D	355.6	18.6	318.4	26.50
16"	021.P.17DPE	D	406.4	19.0	368.4	34.60
18"	021.P.18DPE	D	457.2	21.4	414.4	43.90

## CLASS E IMPERIAL GREY PVC PRESSURE PIPE TO EN1452-2

SIZE	PART NO	CLASS	PIPE OD mm	WALL mm	PIPE ID mm	Wt (Kg/m)
3/8"	021.P.01EPE	E	17.1	1.5	14.1	0.09
1/2"	021.P.02EPE	E	21.4	1.7	18.0	0.17
3/4"	021.P.03EPE	E	26.7	1.9	22.9	0.24
1"	021.P.04EPE	E	33.6	2.2	29.2	0.35
1 1/4"	021.P.05EPE	E	42.2	2.7	36.8	0.55
1 1/2"	021.P.06EPE	E	48.3	3.1	42.1	0.71
2"	021.P.07EPE	E	60.3	3.9	52.5	1.10
2 1/2"	022.P.07516PE	E	75.2	5.6	64.0	1.86
3"	021.P.09EPE	E	88.9	5.7	77.5	2.37
4"	021.P.10EPE	E	114.3	7.3	99.7	3.86
5"	022.P.14016PE	E	140.2	8.3	123.6	6.60
6"	021.P.12EPE	E	168.3	10.8	146.7	8.37
8"	021.P.13EPE	E	219.1	12.6	193.9	12.50
10"	021.P.14EPE	E	273.0	15.7	241.6	18.90
12"	021.P.15EPE	E	323.9	18.7	286.5	26.70
14"	021.P.16EPE	E	355.6	22.8	310.0	32.00
16"	021.P.17EPE	E	406.4	23.4	359.6	41.50

## CLASS 7 IMPERIAL GREY PVC PRESSURE PIPE TO EN1452-2

SIZE	PART NO	CLASS	PIPE OD mm	WALL mm	PIPE ID mm	Wt (Kg/m)
3/8"	021.P.017PE	7	17.1	3.2	10.7	0.22
1/2"	021.P.027PE	7	21.4	3.7	14.0	0.32
3/4"	021.P.037PE	7	26.7	3.9	18.9	0.44
1"	021.P.047PE	7	33.6	4.5	24.6	0.65
1 1/4"	021.P.057PE	7	42.2	4.8	32.6	0.89
1 1/2"	021.P.067PE	7	48.3	5.1	38.1	1.10
2"	021.P.077PE	7	60.3	5.5	49.3	1.50

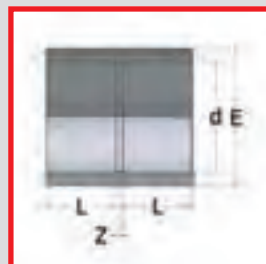


## CLEAR PVC PIPE – x 3 METRE STANDARD LENGTH



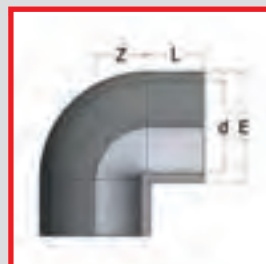
SIZE	PART NO	CLASS	PIPE OD (mm)	Wt (Kg/m)
1/2"	021.PC.02EPE	E	21.4	0.07
3/4"	021.PC.03EPE	E	26.7	0.09
1"	021.PC.04EPE	E	33.4	0.14
1 1/4"	021.PC.05EPE	E	42.2	0.19
1 1/2"	021.PC.06EPE	E	48.3	0.22
2"	021.PC.07DPE	D	60.3	0.30
3"	021.PC.09DPE	D	88.9	0.47
4"	021.PC.10DPE	D	114.3	0.61
6"	021.PC.12CPE	C	168.3	0.78
8"	021.PC.13CPE	C	219.1	0.93

## SOCKET



d	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.011.01	14	3	23	9	500
1/2"	021.011.02	16	3	28	13	380
3/4"	021.011.03	19	3	34	20	500
1"	021.011.04	22	3	42	33	300
1 1/4"	021.011.05	26	3	51	56	200
1 1/2"	021.011.06	31	3	59	82	220
2"	021.011.07	38	3	73	144	125
2 1/2"	022.011.075P	44	4	88	222	85
3"	021.011.09	51	5	106	372	45
4"	021.011.10	61	6	132	620	27
5"	022.011.140P	76	9	161	1100	12
6"	021.011.12	88	11	190	1680	6
8"	021.011.13	119	11	258	4200	42
10"	021.011.14	147	10	320	9020	14

## 90° ELBOW



d	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.031.01	14	9	23.5	13	450
1/2"	021.031.02	16	11	26.5	15	300
3/4"	021.031.03	19	14	32.5	24	350
1"	021.031.04	22	17	41	42	200
1 1/4"	021.031.05	26	23	50	72	120
1 1/2"	021.031.06	31	28	59	140	140
2"	021.031.07	38	34	73	253	70
2 1/2"	022.031.075P	44	40	89	375	40
3"	021.031.09	51	48	106	655	25
4"	021.031.10	61	59	132	1080	14
5"	022.031.140P	76	73	164	1990	6
6"	021.031.12	88	85	198	3990	4
8"	021.031.13	119	115	258	8600	20
10"	021.031.14	146	210	316	18160	8

## 90° SHORT RADIUS BEND



d	PART NO	L	Z	E	Wt (g)	Box
1/2"	021.051.02	16	40	28	38	350
3/4"	021.051.03	19	50	35	59	180
1"	021.051.04	22	64	42	118	100
1 1/4"	021.051.05	26	80	53	180	50
1 1/2"	021.051.06	31	100	63	320	60
2"	021.051.07	38	126	77	535	30
2 1/2"	022.051.075P	44	150	94	1015	15
3"	021.051.09	51	180	113	1590	9
4"	021.051.10	61	220	136	2640	6

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

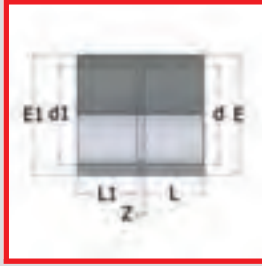
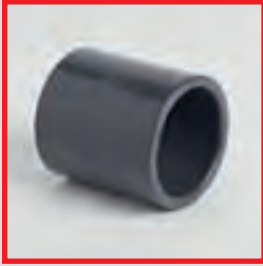
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**INCH / METRIC ADAPTOR SOCKET**



d1 x d	PART NO	L	L1	Z	E	E1	Wt (g)	Box
1/2" x 20	023.011.02020	16	16	3	28	28	15	400
3/4" x 25	023.011.03025	19	19	3	33	33	23	500
1" x 32	023.011.04032	22	22	3	41	41	36	300
1 1/4" x 40	023.011.05040	26	26	3	50	50	60	200
1 1/2" x 50	023.011.06050	31	31	3	60.5	60.5	85	220
2" x 63	023.011.07063	38	38	3	75	75	145	125
3" x 90	023.011.09090	51	51	5	106	106	353	45
4" x 110	023.011.10110	61	61	6	129	129	605	24
6" x 160	023.011.12160	88	95	8	181	191	1500	6

**45° ELBOW**



d	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.041.01	14	5.5	23	10	500
1/2"	021.041.02	16	5.5	28	15	700
3/4"	021.041.03	19	6	34	25	450
1"	021.041.04	22	8	42	41	250
1 1/4"	021.041.05	26	10	51	59	150
1 1/2"	021.041.06	31	12	59	110	170
2"	021.041.07	38	15	73	192	90
2 1/2"	022.041.075P	44	18	88	293	50
3"	021.041.09	51	21	106	485	30
4"	021.041.10	61	25	130	721	16
5"	022.041.140P	76	32	164	1640	6
6"	021.041.12	88	36	198	2150	4
8"	021.041.13	119	49	258	6800	26
10"	021.041.14	148	62	320	12000	11

**EQUAL TEE**



d	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.061.01	14	9	23	20	300
1/2"	021.061.02	16	11	27.5	21	450
3/4"	021.061.03	19	14	33.5	35	250
1"	021.061.04	22	17	42	63	130
1 1/4"	021.061.05	26	21	51	101	80
1 1/2"	021.061.06	31	26	61	207	90
2"	021.061.07	38	33	75	365	50
2 1/2"	022.061.075P	44	39	89	495	32
3"	021.061.09	51	47	106	837	20
4"	021.061.10	61	62	132	1440	9
5"	022.061.140P	76	72	162.5	2610	4
6"	021.061.12	88	81	198	4950	3
8"	021.061.13	119	114	258	11100	15
10"	021.061.14	148	142	318	20100	7

**Y PIECE / 45° TEE**



d	PART NO	L	Z1	Z2	E	Wt (g)	Box
1/2"	021.071.02	16	7	29	27.5	36	180
3/4"	021.071.03	19	7	36	33.5	49	90
1"	021.071.04	22	8	44	42	92	50
1 1/4"	021.071.05	26	10	54	50.5	149	50
1 1/2"	021.071.06	31	12	65	61	297	35
2"	021.071.07	38	14	80	74.5	513	18
2 1/2"*	022.071.075K	44	20	94	89	690	12
3"*	021.071.09	51	20	121	106	1516	9
4"*	021.071.10	64	20	147	136	2714	4
5"*	022.071.140K	76	34	190	163	6035	2
6"*	021.071.12	91	43	224	200	8406	1

\* PN10 RATED

• NON COMER PRODUCT



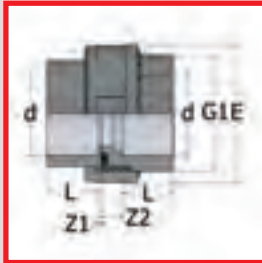
# PVC IMPERIAL PRESSURE FITTINGS PLAIN

## REDUCING TEE



d x d1	PART NO	L	L1	Z	Z1	E	E1	Wt (g)	Box
3/4" x 1/2"	021.081.0302	19	16	14	14	33.5	28	42	300
1" x 1/2"	021.081.0402	22	16	17	17	42	28	69	140
1" x 3/4"	021.081.0403	22	19	17	17	42	34	70	140
1 1/4" x 1/2"	021.081.0502	26	16	21	21	51	38	112	100
1 1/4" x 3/4"	021.081.0503	26	19	21	21	51	34	115	90
1 1/4" x 1"	021.081.0504	26	22	21	21	51	42	118	90
1 1/2" x 1/2"	021.081.0602	31	16	26	26	61	28	155	110
1 1/2" x 3/4"	021.081.0603	31	19	26	26	61	34	166	110
1 1/2" x 1"	021.081.0604	31	22	26	26	61	42	170	110
1 1/2" x 1 1/4"	021.081.0605	31	26	26	26	61	51	178	100
2" x 1/2"	021.081.0702	38	16	33	33	75	28	268	70
2" x 3/4"	021.081.0703	38	19	33	33	75	34	270	70
2" x 1"	021.081.0704	38	22	33	33	75	42	275	70
2" x 1 1/4"	021.081.0705	38	26	33	33	75	51	288	70
2" x 1 1/2"	021.081.0706	38	31	33	33	75	61	300	60
2 1/2" x 1"	021.081.0804	44	22	39	39	89	42	463	38
2 1/2" x 1 1/4"	021.081.0805	44	26	39	39	89	51	465	38
2 1/2" x 1 1/2"	021.081.0806	44	31	39	39	89	61	465	35
2 1/2" x 2"	021.081.0807	44	38	39	39	89	75	478	32
3" x 1 1/4"	021.081.0905	51	26	47	47	106	51	702	24
3" x 1 1/2"	021.081.0906	51	31	47	47	106	61	740	24
3" x 2"	021.081.0907	51	38	47	47	106	75	740	22
3" x 2 1/2"	021.081.0908	51	44	47	47	106	89	760	22
4" x 1 1/2"	021.081.1006	61	31	57	57	129	61	1250	12
4" x 2"	021.081.1007	61	38	57	57	129	75	1200	12
4" x 2 1/2"	021.081.1008	61	44	57	57	129	89	1220	12
4" x 3"	021.081.1009	61	51	57	57	129	106	1250	10

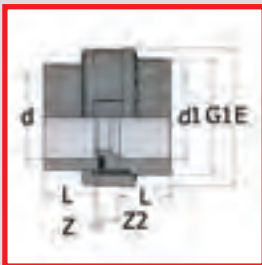
## UNION



d	PART NO	L	Z1	Z2	G1	E	Wt (g)	Box
3/8"	021.021.01	14	3	10	3/4"	34	30	200
1/2"	021.021.02	16	3	10	1"	42	41	180
3/4"	021.021.03	19	3	10	1 1/4"	52	67	220
1"	021.021.04	22	3	10	1 1/2"	59	90	130
1 1/4"	021.021.05	26	3	12	2"	72	135	80
1 1/2"	021.021.06	31	3	14	2 1/4"	79	206	120
2"	021.021.07	38	3	18	2 3/4"	96	360	60
2 1/2"*	022.021.075P	44	3	18	3 1/2"	119	580	35
3"*	021.021.09	51	5	18	4"	134	777	24
4"*	021.021.10	61	5	18	5"	163	1150	12

\* PN10 RATED

## INCH / METRIC ADAPTOR UNION



d x d1	PART NO	L	Z1	Z2	G1	E	Wt (g)	Box
3/8" x 16	023.021.01016	14	3	10	3/4"	34	30	200
1/2" x 20	023.021.02020	16	3	10	1"	42	41	180
3/4" x 25	023.021.03025	19	3	10	1 1/4"	52	67	220
1" x 32	023.021.04032	22	3	10	1 1/2"	59	90	130
1 1/4" x 40	023.021.05040	26	3	12	2"	72	135	80
1 1/2" x 50	023.021.06050	31	3	14	2 1/4"	79	206	60
2" x 63*	023.021.07063	38	3	18	2 3/4"	96	360	30
3" x 90*	023.021.09090	51	5	18	4"	134	777	24
4" x 110*	023.021.10110	61	5	18	5"	163	1150	12

\* PN10 RATED

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to **most** addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



# PVC IMPERIAL PRESSURE FITTINGS PLAIN

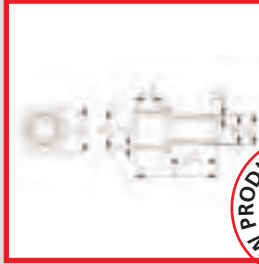
## HOSE ADAPTOR – MALE SPIGOT x mm HOSE TAIL



d x d1	PART NO	d	d1	L	H	C	Wt (g)	Box
1/2" x 20	023.261.02020	1/2"	20	16	70	24	23	700
3/4" x 25	023.261.03025	3/4"	25	19	79	27	30	420
1" x 32	023.261.04032	1"	32	22	83	36	50	250
1 1/4" x 40	023.261.05040	1 1/4"	40	26	96	46	73	300
1 1/2" x 50	023.261.06050	1 1/2"	50	31	108	55	137	180
2" x 60	023.261.07060	2"	60	38	130	65	208	100

RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 175

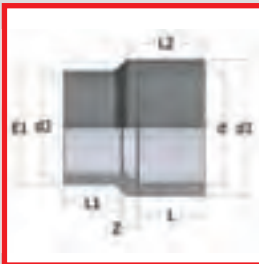
## CHALLENGER HOSE ADAPTOR – MALE SPIGOT x mm HOSE TAIL



D x d2	PART NO	L	A	L1	L2	d1	d2	Wt (g)	Box
1/2" x 13	023.261.02013	63	25.5	16.5	40	12.7	13.8	12	1000
3/4" x 19	023.261.03019	68	35	19.5	40	18.5	20	20	1000
1" x 25	023.261.04025	72	40	22.5	41	25	26.6	39	500



## REDUCING SOCKET



d x d2	PART NO	L	L1	Z	E	E1	Wt (g)	Box
3/4" x 1/2"	021.601.0302	19	16	6	34	28	32	250
1" x 3/4"	021.601.0403	22	19	6	42	33	53	160
1 1/4" x 1"	021.601.0504	26	22	6	51	41	89	220
1 1/2" x 1 1/4"	021.601.0605	31	26	6	61	50	134	130
2" x 1 1/2"	021.601.0706	38	31	6	75	60.5	225	80
2 1/2" x 2"	021.601.0807	44	38	6	89	75	359	60
3" x 2 1/2"	021.601.0908	51	44	6	106	88	571	36
4" x 3"	021.601.1009	61	51	6	129	106	940	42
6" x 4" •	021.601.1210	92	65	60	194	132	1706	8

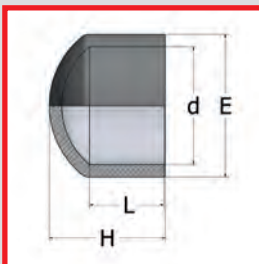
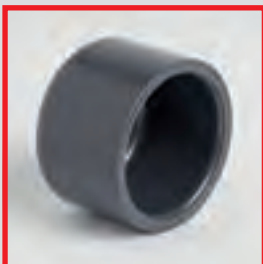
## CROSS



d	PART NO	L	Z	E	Wt (g)	Box
1/2"	021.191.02	16	11	27.5	26	200
3/4"	021.191.03	19	14	33.5	41	100
1"	021.191.04	22	17	42	72	50
1 1/4"	021.191.05	26	21	51	114	60
1 1/2"	021.191.06	31	26	61	233	35
2"	021.191.07	38	33	75	411	20
2 1/2" •*	022.191.075K	44	40	89	776	10
3" •*	021.191.09	51	48	110	1297	10
4" •*	021.191.10	63	60	137	2262	5

\* PN10 RATED

## CAP



d	PART NO	L	H	E	Wt (g)	Box
3/8"	021.221.01	14	22	23	7	700
1/2"	021.221.02	16	27	28	10	500
3/4"	021.221.03	19	31	33	16	350
1"	021.221.04	22	36	41	26	450
1 1/4"	021.221.05	26	43	50	40	300
1 1/2"	021.221.06	31	49	59	63	180
2"	021.221.07	38	57	73	115	100
2 1/2"	022.221.075P	44	67	89	178	60
3"	021.221.09	51	80	106	310	65
4"	021.221.10	61	95	132	520	40
5"	022.221.140P	76	114	161	920	20
6"	021.221.12	86	126	190	1317	14
8"	021.221.13	119	145	258	3478	6

• NON COMER PRODUCT





REDUCING BUSH



FIG A

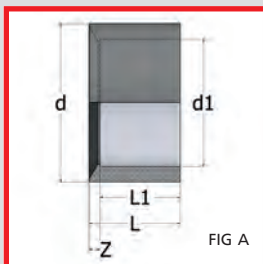


FIG A



FIG B

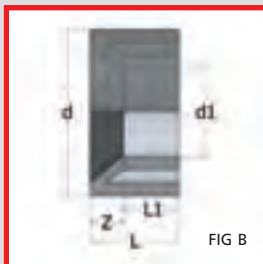
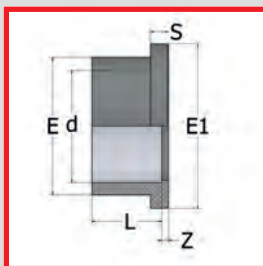


FIG B



d x d1	PART NO	L	L1	Z	FIG	Wt (g)	Box
1/2" x 3/8"	021.091.0201	16	14	2	A	3	1200
3/4" x 1/2"	021.091.0302	19	16	3	A	6	700
1" x 1/2"	021.091.0402	22	16	6	A	16	400
1" x 3/4"	021.091.0403	22	19	3	A	10	400
1 1/4" x 1/2"	021.091.0502	26	16	10	B	30	250
1 1/4" x 3/4"	021.091.0503	26	19	7	A	29	250
1 1/4" x 1"	021.091.0504	26	22	4	A	20	250
1 1/2" x 3/4"	021.091.0603	31	19	12	B	39	350
1 1/2" x 1"	021.091.0604	31	22	9	B	42	350
1 1/2" x 1 1/4"	021.091.0605	31	26	5	A	22	350
2" x 1"	021.091.0704	38	22	16	B	69	180
2" x 1 1/4"	021.091.0705	38	26	12	B	71	180
2" x 1 1/2"	021.091.0706	38	31	7	A	57	180
2 1/2" x 1 1/2"	021.091.0806	44	31	13	B	106	110
2 1/2" x 2"	021.091.0807	44	38	6	A	95	110
3" x 1 1/2"	021.091.0906	51	31	20	B	166	65
3" x 2"	021.091.0907	51	38	13	B	163	65
3" x 2 1/2"	021.091.0908	51	44	7	A	124	65
4" x 2"	021.091.1007	61	38	23	B	272	36
4" x 2 1/2"	021.091.1008	61	44	17	B	271	36
4" x 3"	021.091.1009	61	51	10	A	327	36
5" x 3"	021.091.1109	76	51	25	B	600	40
5" x 4"	021.091.1110	76	61	115	B	533	40
6" x 4"	021.091.1210	86	61	25	B	961	21
6" x 5"	021.091.1211	87	76	11	A	820	21
8" x 6"	021.091.1312	119	86	33	B	2038	7
10" x 8"	021.091.1413	147	120	27	B	3120	4

STUB FLANGE



d	PART NO	L	Z	S	E	E1	Wt (g)	Box
1/2"	021.111.02	16	3	6	27	34	10	550
3/4"	021.111.03	19	3	7	33	41	14	350
1"	021.111.04	22	3	7	41	50	23	200
1 1/4"	021.111.05	26	3	8	50	61	48	250
1 1/2"	021.111.06	31	3	8	61	73	68	180
2"	021.111.07	38	3	9	76	90	128	90
2 1/2"	022.111.075P	44	3	10	90	106	160	120
3"	021.111.09	51	5	11	108	125	272	70
4"	021.111.10	61	5	12	131	150	361	45
5"	022.111.140P	76	5	14	165	188	750	20
6"	021.111.12	88	7	14	193	217	1037	14
8"	021.111.13	119	7	19	248	274	2092	6
10"	021.111.14	142	10	23	308	329	3536	5

UK Wide Next Day Delivery\*

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



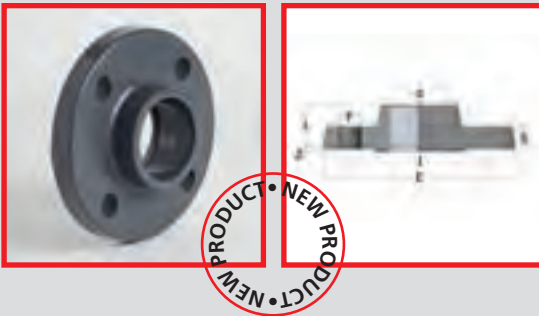
# PVC IMPERIAL PRESSURE FITTINGS PLAIN

## PVC SINGLE CLAMP SADDLE – INCH SIZES



d	PART NO	d	PART NO
3" x 1/2"	021.2061.0902	6" x 1 1/4"	021.2061.1205
3" x 3/4"	021.2061.0903	6" x 1 1/2"	021.2061.1206
3" x 1"	021.2061.0904	6" x 2"	021.2061.1207
3" x 1 1/4"	021.2061.0905	6" x 3"	021.2061.1209
3" x 1 1/2"	021.2061.0906	6" x 4"	021.2061.1210
3" x 2"	021.2061.0907	8" x 1/2"	021.2061.1302
4" x 1/2"	021.2061.1002	8" x 3/4"	021.2061.1303
4" x 3/4"	021.2061.1003	8" x 1"	021.2061.1304
4" x 1"	021.2061.1004	8" x 1 1/4"	021.2061.1305
4" x 1 1/4"	021.2061.1005	8" x 1 1/2"	021.2061.1306
4" x 1 1/2"	021.2061.1006	8" x 2"	021.2061.1307
4" x 2"	021.2061.1007	8" x 3"	021.2061.1309
4" x 3"	021.2061.1009	8" x 4"	021.2061.1310
6" x 1/2"	021.2061.1202	8" x 6"	021.2061.1312
6" x 3/4"	021.2061.1203	10" x 4"	021.2061.1410
6" x 1"	021.2061.1204	10" x 6"	021.2061.1412

## UNIVERSAL DRILLED FULL FACE FLANGE



d	PART NO	L	Z	I	S	E	HOLES	Bolt Dia	Wt (g)	Box
2"	021.141.07-UNIV	38	4.5	125	18	165	4	M16	380	36
2 1/2"	021.141.08-UNIV	44	6	145	19	185	4	M16	505	15
3"	021.141.09-UNIV	51	7	160	20	200	8	M16	685	30
4"	021.141.10-UNIV	61	8	180	22	220	8	M16	940	24
6"	021.141.12-UNIV	92	8	235	22	285	8	M20	1218	6

SUITABLE FOR TABLE D/E, NP10/16 & ASA150 (EXCEPT 4" WHICH IS NOT COMPATIBLE WITH ASA150).  
WHILST SUITABLE FOR TABLE D/E & ASA150, 3" HAS 8 HOLES, SAME APPLIES FOR 4" TABLE D.

## FULL FACE FLANGE – NP10/16



d	PART NO	L	Z	I	S	E	HOLES	Bolt Dia	Wt (g)	Box
1/2"	021.141.02Z	16	4.5	65	11	95	4	M12	78	100
3/4"	021.141.03Z	19	4.5	75	12	105	4	M12	105	60
1"	021.141.04Z	22	4.5	85	14	115	4	M12	143	50
1 1/4"	021.141.05Z	26	4.5	100	15	142	4	M16	220	50
1 1/2"	021.141.06Z	31	4.5	110	16	152	4	M16	280	48
2"	021.141.07Z	38	4.5	125	18	165	4	M16	380	36
2 1/2"	021.141.08Z	44	6	145	19	185	4	M16	505	15
3"	021.141.09Z	51	7	160	20	200	8	M16	685	30
4"	021.141.10Z	61	8	180	22	220	8	M16	940	24

## FULL FACE FLANGE – BS10 TABLES D & E



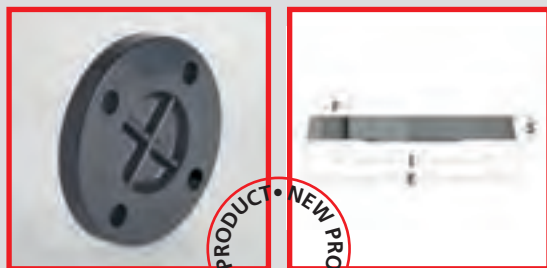
d	PART NO	L	Z	I	S	E	HOLES	Bolt Dia	Wt (g)	Box
1/2"	021.141.02W	16	4.5	67	11	95	4	M12	78	100
3/4"	021.141.03W	19	4.5	73	12	105	4	M12	105	60
1"	021.141.04W	22	4.5	83	14	115	4	M12	143	50
1 1/4"	021.141.05W	26	4.5	88	15	142	4	M12	220	50
1 1/2"	021.141.06W	31	4.5	98	16	152	4	M12	280	48
2"	021.141.07W	38	4.5	115	18	165	4	M16	380	36
2 1/2"	021.141.08W	44	6	127	19	185	4	M16	505	15
3"	021.141.09W	51	7	146	20	200	4	M16	685	30
4" E	021.141.10W	61	8	178	22	220	8	M16	940	24

• NON COMER PRODUCT



# PVC IMPERIAL PRESSURE FITTINGS PLAIN

## UNIVERSAL DRILLED BLANK FLANGE



SIZE	PART NO	E	I	HOLES	Bolt Dia	Wt (g)	Box
2"	021.161.07-UNIV	165	125	4	M16	360	50
3"	021.161.09-UNIV	200	160	8	M16	635	50
2 1/2"	021.161.08-UNIV	185	145	4	M16	480	35
4"	021.161.10-UNIV	220	180	8	M16	825	20
6"	021.161.12-UNIV	285	240	8	M20	1617	12

SUITABLE FOR TABLE D/E, NP10/16 & ASA150 (EXCEPT 4" WHICH IS NOT COMPATIBLE WITH ASA150).  
WHILST SUITABLE FOR TABLE D/E & ASA150, 3" HAS 8 HOLES, SAME APPLIES FOR 4" TABLE D.

## BLANK FLANGE – NP10/16



SIZE	PART NO	E	I	F	HOLES	Bolt Dia	Wt (g)	Box
1/2"	021.161.02Z	95	65	14	4	M12	75	150
3/4"	021.161.03Z	105	75	14	4	M12	100	80
1"	021.161.04Z	115	85	14	4	M12	137	65
1 1/4"	021.161.05Z	142	100	18	4	M16	225	70
1 1/2"	021.161.06Z	152	110	18	4	M16	280	65
2"	021.161.07Z	165	125	18	4	M16	355	50
2 1/2"	021.161.08Z	185	145	18	4	M16	488	35
3"	021.161.09Z	200	160	18	8	M16	640	30
4"	021.161.10Z	220	180	18	8	M16	825	20
6"	021.161.12Z	285	240	22	8	M20	1589	12

## BLANK FLANGE – BS10 TABLES D & E



SIZE	PART NO	E	I	F	HOLES	Bolt Dia	Wt (g)	Box
1/2"•	021.161.02W	95	67	14	4	M12	75	1
3/4"•	021.161.03W	102	73	14	4	M12	100	1
1"•	021.161.04W	114	83	14	4	M12	137	1
1 1/4"•	021.161.05W	121	87	14	4	M12	225	1
1 1/2"•	021.161.06W	133	98	14	4	M12	280	65
2"•	021.161.07W	165	114	18	4	M16	355	50
3"•	021.161.09W	200	146	18	4	M16	640	30
4" D•	021.161.10V	220	178	18	4	M16	825	1
4" E•	021.161.10W	220	178	18	8	M16	825	20
6"•	021.161.12W	285	235	22	8	M20	1589	12

## BLANK FLANGE – ASA 150



SIZE	PART NO	E	I	F	HOLES	Bolt Dia	Wt (g)	Box
1/2"•	021.161.02X	89	60	14	4	M12	75	1
3/4"•	021.161.03X	98	70	14	4	M12	100	1
1"•	021.161.04X	114	79	14	4	M12	137	1
1 1/4"•	021.161.05X	117	89	14	4	M12	225	1
1 1/2"•	021.161.06X	127	98	14	4	M12	280	1
2"•	021.161.07X	152	121	18	4	M16	355	1
3"•	021.161.09X	191	152	18	4	M16	640	1
4"•	021.161.10X	229	191	18	8	M16	825	1
6"•	021.161.12X	279	241	22	8	M20	1589	1

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

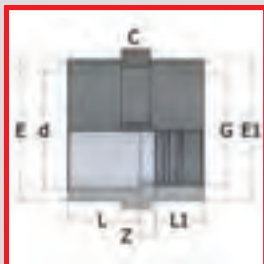
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**SOCKET**



\* PN10 RATED

d x G	PART NO	L	L1	Z	E	E1	C	Wt (g)	Box
3/8"	021.012.01	14	11.4	3	24	24	20	15	600
1/2" x 1/4"●*	021.012.0200	17	12	4	23			23	100
1/2" x 3/8"●*	021.012.0201	17	12	4				22	100
1/2"	021.012.02	16	15	4	28	28	30	15	350
3/4" x 3/8"●*	021.012.0301	20	12	7				34	100
3/4" x 1/2"●*	021.012.0302	20	15	4				31	100
3/4"	021.012.03	19	16.3	4	34	34	34	22	250
1"	021.012.04	22	19.1	5	42	42	44	33	300
1 1/4"	021.012.05	26	21.4	5	50	50	55	63	180
1 1/2"	021.012.06	31	21.4	5	61	61	65	100	120
2"	021.012.07	38	25.7	5	75	75	78	158	75
2 1/2"	023.012.07508K	44	30.2	5	89	89	94	215	45
3"	021.012.09	51	33.3	8	106	106	110	347	54
4"	021.012.10	61	39.3	8	129	129	134	508	30

**SOCKET – S/S REINFORCED**



\* PN10 RATED

d x G	PART NO	L	L1	Z	E	E1	Wt (g)	Box
1/2"	021.342.02	16	15	4	28	29	20	350
3/4"	021.342.03	19	16.3	4	34	35	30	200
1" x 1/2"●*	021.342.0402	23	15	5			56	50
1" x 3/4"●*	021.342.0403	23	16	6			61	75
1"	021.342.04	22	19.1	6	42	43	45	300
1 1/4" x 3/4"●*	021.342.0503	28	16	4			80	50
1 1/4" x 1"●*	021.342.0504	28	22	2			79	50
1 1/4"	021.342.05	26	21.4	8	50.5	51.5	75	170
1 1/2" x 1"●*	021.342.0604	30	22	3			123	100
1 1/2" x 1 1/4"●*	021.342.0605	30	23	5			129	75
1 1/2"	021.342.06	31	21.4	13	61	62	120	100
2" x 1 1/4"●*	021.342.0705	36	23	5			215	50
2" x 1 1/2"●*	021.342.0706	36	25	4			220	50
2"	021.342.07	38	25.7	15	75	76	195	75

**90° ELBOW**



d x G	PART NO	L	L1	Z	Z1	E	Wt (g)	Box
1/2"	021.032.02	16	15	11	12	26.5	15	300
3/4"	021.032.03	19	16.3	14	16	32.5	27	350
1"	021.032.04	22	19.1	17	19.7	41	48	200
1 1/4"	021.032.05	26	21.4	23	24.9	50	72	120
1 1/2"	021.032.06	31	21.4	28	30.6	60	162	140
2"	021.032.07	38	25.7	34	37.6	75	310	70
2 1/2"	023.032.07508K	44	30.2	40	46.3	89	410	40
3"	021.032.09	51	33.3	48	53.8	106	715	25
4"	021.032.10	61	39.3	58	65.7	129	1078	14

**90° ELBOW – S/S REINFORCED**



d x G	PART NO	L	L1	Z	Z1	E	E1	Wt (g)	Box
1/2"	021.352.02	16	15	11	12	26.5	27.5	23	350
3/4"	021.352.03	19	16.3	14	16.7	32.5	33.5	39	350
1"	021.352.04	22	19.1	17	19.9	41	42	65	200
1 1/4"	021.352.05	26	21.4	21	25.6	50	51	95	110
1 1/2"	021.352.06	31	21.4	26	35.6	60	61	180	125
2"	021.352.07	38	25.7	33	45.3	75	76	320	70

• NON COMER PRODUCT



45° ELBOW



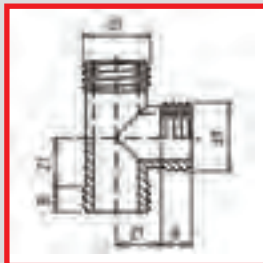
d x G	PART NO	L	L1	Z	Z1	E	Wt (g)	Box
1/2"	021.042.02	16	15	5.5	6.5	28	15	800
3/4"	021.042.03	19	16.3	6	8.7	34	25	500
1"	021.042.04	22	19.1	8	10.9	42	41	250
1 1/4"	021.042.05	26	21.4	10	14.6	51	69	150
1 1/2"	021.042.06	31	21.4	12	21.6	61	125	170
2"	021.042.07	38	25.7	15	27.3	75	235	90
2 1/2"	023.042.07508K	44	30.2	18	31.8	89	355	50
3"	021.042.09	51	33.3	21	38.7	106	535	30
4"	021.042.10	61	39.3	25	46.7	129	1000	16

EQUAL TEE



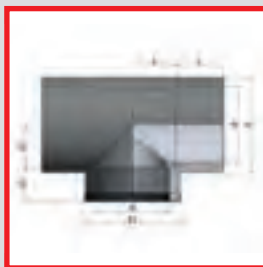
d x G	PART NO	L	L1	Z	Z1	E	Wt (g)	Box
1/2"	021.062.02	16	15	11	12	27.5	25	200
3/4"	021.062.03	19	16.3	14	16	33.5	38	250
1"	021.062.04	22	19.1	17	19.7	42	69	130
1 1/4"	021.062.05	26	21.4	23	19.9	51	106	80
1 1/2"	021.062.06	31	21.4	28	27.6	61	213	90
2"	021.062.07	38	25.7	34	37.6	75	380	50
2 1/2"	023.062.07508K	44	30.2	40	46.3	89	505	32
3"	021.062.09	51	33.3	48	53.8	106	882	20
4"	021.062.10	61	39.3	58	65.7	132	1455	9

TEE – EXTERNAL THREAD ON ALL SIDES



SIZE	PART NO	Z1	B	RATED	Wt (g)	Box
1 1/4"•	021.573.04	26	21	10 BAR	79	175

EQUAL TEE – S/S REINFORCED



d x G	PART NO	L	L1	Z	Z1	E	E1	Wt (g)	Box
1/2"	021.362.02	16	15	11	12	27.5	28.5	32	220
3/4"	021.362.03	19	16.3	14	16.7	33.5	34.5	50	250
1"	021.362.04	22	19.1	17	19.9	42	43	81	140
1 1/4"	021.362.05	26	21.4	21	25.6	51	52	127	80
1 1/2"	021.362.06	31	21.4	26	35.6	61	62	230	90
2"	021.362.07	38	25.7	33	45.3	75	76	390	50

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

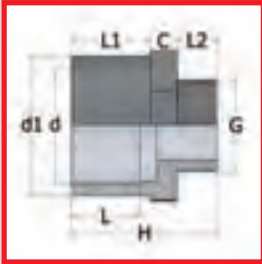
COMPRESSION FITTINGS

GUIDELINES



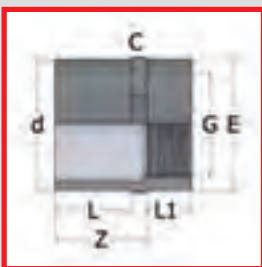
# PVC IMPERIAL PRESSURE FITTINGS PLAIN / THREADED (BSP)

## ADAPTOR – FEMALE PLAIN / MALE PLAIN / MALE THREADED



d x d1 x G	PART NO	d1	L	L1	L2	H	C	Wt (g)	Box
1/2" x 3/4" x 1/2"	021.202.02	3/4"	16	19	15	46	27	15	350
1/2" x 3/4" x 3/4"	021.202.0203	3/4"	16	19	16.3	47	30	16	300
3/4" x 1" x 3/4"	021.202.03	1"	19	22	16.3	50	36	27	450
3/4" x 1" x 1"	021.202.0304	1"	19	22	19.1	53	36	29	400
1" x 1 1/4" x 1"	021.202.04	1 1/4"	22	26	19.1	57	42	43	250
1" x 1 1/4" x 1 1/4"	021.202.0405	1 1/4"	22	26	21.4	60	46	52	200
1 1/4" x 1 1/2" x 1 1/4"	021.202.05	1 1/2"	26	31	21.4	66.5	55	61	150
1 1/4" x 1 1/2" x 1 1/2"	021.202.0506	1 1/2"	26	31	21.4	66.5	55	64	140
1 1/2" x 2" x 1 1/2"	021.202.06	2"	31	38	21.4	74	65	110	120
1 1/2" x 2" x 2"	021.202.0607	2"	31	38	25.7	78	65	124	170
2" x 2 1/2" x 2"	021.202.07	2 1/2"	38	44	25.7	84	75	152	90
2" x 2 1/2" x 2 1/2"	021.202.0708	2 1/2"	38	44	30.2	91	80	200	90
2 1/2" x 3" x 2 1/2"	021.202.08	3"	44	51	30.2	99	95	260	45
2 1/2" x 3" x 3"	021.202.0809	3"	44	51	33.3	102	95	275	60
3" x 4" x 3"	021.202.09	4"	53	61	33.3	113	119	578	45
3" x 4" x 4"	021.202.0910	4"	51	61	39.3	118	115	584	30
4" x 5" x 4"	021.202.10	5"	61	69	39.3	120	130	426	30
4" x 5" x 5"	021.202.1011	5"	61	64	43.6	124	140	526	30

## ADAPTOR – MALE PLAIN / FEMALE THREADED



d x G	PART NO	L	L1	E	Z	C	Wt (g)	Box
1/2" x 1/2"	021.212.02	16	15	28	24	30	23	350
1/2" x 3/4"	021.212.0203	16	16.3	34	24	36	28	300
3/4" x 1/2"	021.212.0302	19	15	28	27	30	23	600
3/4" x 3/4"	021.212.03	19	16.3	34	27	36	28	500
3/4" x 1"	021.212.0304	19	19.1	42	27	46	43	350
1" x 3/4"	021.212.0403	22	16.3	34	30	36	36	450
1" x 1"	021.212.04	22	19.1	42	30	46	46	280
1 1/4" x 1"	021.212.0504	26	19.1	42	36	46	55	250
1 1/4" x 1 1/4"	021.212.05	26	21.4	51	36	55	70	180
1 1/2" x 1 1/4"	021.212.0605	31	21.4	51	41	55	75	140
1 1/2" x 1 1/2"	021.212.06	31	21.4	58	41	60	75	130
1 1/2" x 2"	021.212.0607	31	25.7	75	41	75	120	100
2" x 1 1/2"	021.212.0706	38	21.4	60	49	65	130	90
2" x 2"	021.212.07	38	25.7	75	48	75	130	70
2 1/2" x 2"	021.212.0807	44	25.7	75	53	75	150	55
2 1/2" x 2 1/2"	023.212.07508K	44	30.2	89	58	90	225	80
2 1/2" x 3"	021.212.0809	44	33.3	103	58	105	310	35
3" x 2 1/2"	021.212.0908	51	30.2	89	65	95	300	60
3" x 3"	021.212.09	51	33.3	103	66	105	330	55
3" x 4"	021.212.0910	51	39.3	130	65	130	490	35
4" x 3"	021.212.1009	61	33.3	103	76	130	460	35
4" x 4"	021.212.10	61	39.3	130	76	130	510	30

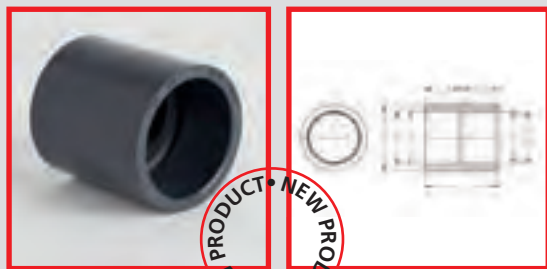


**ADAPTOR – S/S REINFORCED – MALE PLAIN / FEMALE THREADED**



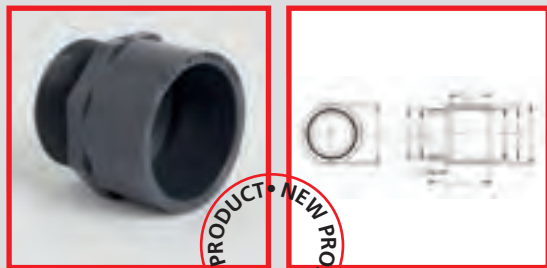
d x G	PART NO	L	L1	E	Z	C	Wt (g)	Box
1/2" x 1/2"	021.372.02	16	15	29	24	30	23	350
3/4" x 1/2"	021.372.0302	19	15	29	27	30	23	300
3/4" x 3/4"	021.372.03	19	16.3	35	27	36	30	500
1" x 3/4"	021.372.0403	22	16.3	35	30	36	36	400
1" x 1"	021.372.04	22	19.1	43	30	46	49	250
1 1/4" x 1"	021.372.0504	26	19.1	43	36	46	65	250
1 1/4" x 1 1/4"	021.372.05	26	21.4	51.5	36	55	81	180
1 1/2" x 1 1/4"	021.372.0605	31	21.4	51.5	41	55	77	140
1 1/2" x 1 1/2"	021.372.06	31	21.4	61	41	60	85	110
2" x 1 1/2"	021.372.0706	38	21.4	61	48	75	130	90
2" x 2"	021.372.07	38	25.7	76	48	75	140	70

**FEMALE THREADED ADAPTOR SCH40 x NPT**



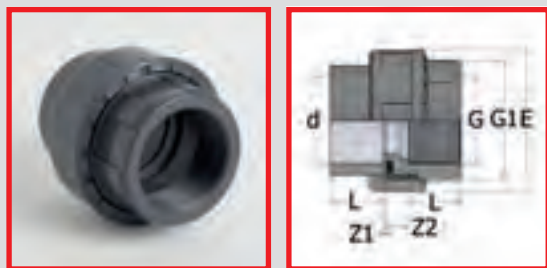
SIZE	PART NO	L	D	A	B	A1	B1	Wt (g)	Box
1/2"•	021.012.02-NPT	39	28	21.2	21.5	17.5	18.3	20	1200
3/4"•	021.012.03-NPT	44	33	26.5	26.8	22.9	23.6	30	800
1"•	021.012.04-NPT	57	42	33	34.1	29.2	30.2	50	400
1 1/4"•	021.012.05-NPT	56	51	42	42.4	37.5	38.4	60	300
1 1/2"•	021.012.06-NPT	64	57	48.1	48.5	43.5	44.5	80	200
2"•	021.012.07-NPT	70	70	60.1	60.3	55.5	56.5	120	100
3"•	021.012.09-NPT	92	87.3	72.8	73.3	66.1	67.6	370	50
4"•	021.012.10-NPT	104	103.3	88.7	89.3	81.9	83.5	730	48
6"•	021.012.12-NPT	125	132.9	114.7	114.7	107.1	108.8	1970	36

**MALE THREADED ADAPTOR SCH40 x NPT**



SIZE	PART NO	L	S	D	A	B	A1	B1	Wt (g)	Box
1/2"•	021.202.02-NPT	45	28	27.6	21.2	21.5	20.7	21.5	20	1400
3/4"•	021.202.03-NPT	45	32.5	32.5	26.5	26.8	26	26.9	20	1000
1"•	021.202.04-NPT	55	40	40	33.2	33.6	32.6	33.8	30	600
1 1/4"•	021.202.05-NPT	60	50	49.5	42	42.4	41.3	42.4	50	400
1 1/2"•	021.202.06-NPT	63	58	58	48.1	48.5	47.3	48.5	60	300
2"•	021.202.07-NPT	66	72	68.5	60.1	60.3	59.4	60.6	80	200
3"•	021.202.09-NPT	94	102	101	88.7	89.3	87.3	89.3	240	75
4"•	021.202.10-NPT	104.8	125	132.9	114	114.7	112.6	114.7	550	40
6"•	021.202.12-NPT	140.1	188	186.3	168	168.8	166.2	168.6	1450	16

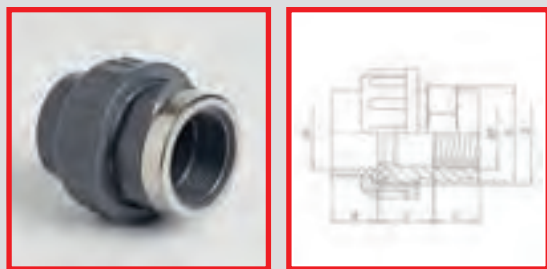
**UNION**



d x G	PART NO	L	L1	Z1	Z2	G1	E	Wt (g)	Box
1/2"	021.022.02	16	15	3	11	1"	42	41	180
3/4"	021.022.03	19	16.3	3	12.7	1 1/4"	52	68	220
1"	021.022.04	22	19.1	3	12.9	1 1/2"	59	93	130
1 1/4"	021.022.05	26	21.4	3	16.6	2"	72	145	80
1 1/2"	021.022.06	31	21.4	3	23.6	2 1/4"	79	234	60
2"	021.022.07	38	25.7	3	30.3	2 3/4"	96	390	30
2 1/2"*	023.022.07508K	44	30.2	3	31.8	3 1/2"	119	625	35
3"*	021.022.09	51	33.3	5	35.7	4"	134	820	24
4"*	021.022.10	61	39.3	5	39.7	5"	163	1280	12

\* PN10 RATED

**UNION – REINFORCED**



d	PART NO	Z	B	C	D	S	Wt (g)	Box
1/2"•	021.2712.02	24	17	16	1"	30	54	100
3/4"•	021.2712.03	24	20	17	1 1/4"	36	81	60
1"•	021.2712.04	24	23	21	1 1/2"	44	120	100
1 1/4"•	021.2712.05	24	28	23	2"	54	198	80
1 1/2"•	021.2712.06	31	31	23	2 1/4"	64	268	60
2"•	021.2712.07	33	36	27	2 3/4"	80	440	50

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

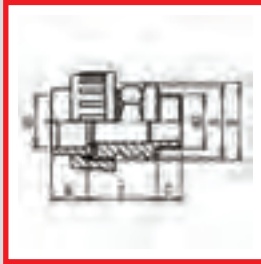
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



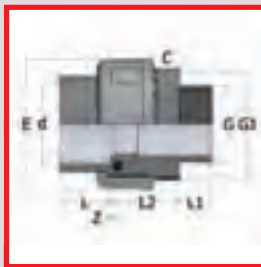
**UNION – WITH 'O' RING**



d	PART NO	Z	B	C	D	S	Wt (g)	Box
1/2"•	021.2722.02	40	17	10	1"	28	58	50
3/4"•	021.2722.03	42	20	12	1 1/4"	32	85	60
1"•	021.2722.04	43	23	15	1 1/2"	38	123	100
1 1/4"•	021.2722.05	48	28	15	2"	46	205	50
1 1/2"•	021.2722.06	53.5	30	18	2 1/4"	55	279	50
1 1/2" x 2"•	021.2722.0607	53.5	30	23.5	2 1/4"	55	310	25
2"•	021.2722.07	54.5	36	23.8	2 3/4"	65	418	25

PN10 RATED

**UNION – MALE THREAD ONE END**



d x G	PART NO	L	L1	L2	Z1	C	G1	E	Wt (g)	Box
1/2" x 1/2"•	021.592.02	17	17	31			1"		41	100
3/4" x 3/4"•	021.592.03	20	17	25			1 1/4"		76	60
1" x 1"•	021.592.04	23	22	34			1 1/2"		112	100
1 1/4" x 1 1/4"•	021.592.05	28	24	36			2"		185	80
1 1/2" x 1 1/2"•	021.592.06	31	21.4	40	3	65	2 1/4"	79	300	50
1 1/2" x 2"•	021.592.0607	31	25.7	40	3	65	2 1/4"	79	310	50
2" x 2"•	021.592.07	38	25.7	42	3	70	2 3/4"	96	430	30
3" x 3"•*	021.592.09	51	37	68			-		1222	10
4" x 4"•*	021.592.10	64	43	71			-		1798	10

\* PN10 RATED

**HOSE ADAPTOR – MALE BSP x mm HOSE TAIL**



G x d1	PART NO	L	H	C	Wt (g)	Box
1/4" x 12	023.262M.00012	11	52	19	8	700
3/8" x 16	023.262M.01016	11.4	64	19	15	500
1/2" x 20	023.262M.02020	15	70	24	20	700
3/4" x 25	023.262M.03025	16.3	76	30	30	430
1" x 32	023.262M.04032	19.1	80	36	50	250
1 1/4" x 40	023.262M.05040	21.4	92	46	70	300
1 1/2" x 50	023.262M.06050	21.4	99	55	118	200
2" x 60	023.262M.07060	25.7	118	65	190	115

RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 175

**CHALLENGER HOSE ADAPTOR – MALE BSP x INCH HOSE TAIL**



D2 x b	PART NO	L	A	L1	L2	D1	D2	Wt (g)	Box
1/2" x 1/2"•	021.262M.0202	60	25.5	13.2	40	12.7	13.8	13	1000
3/4" x 3/4"•	021.262M.0303	64	35	16	40	18.5	20	21	1000
1" x 1"•	021.262M.0404	68	40	19	41	25	26.6	20.4	500

RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 175



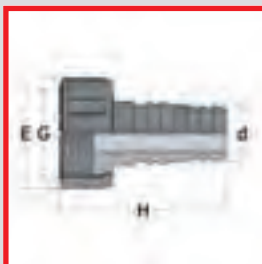
• NON COMER PRODUCT





# PVC IMPERIAL PRESSURE FITTINGS PLAIN / THREADED (BSP)

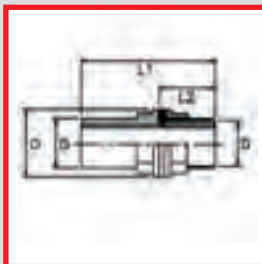
## HOSE ADAPTOR – FEMALE BSP x mm HOSE TAIL



G x d	PART NO	H	E	Wt (g)	Box
3/4" x 16	023.872.03016	54	34	24	150
1" x 20	023.872.04020	59	42	41	120
1 1/4" x 25	023.872.05025	63	52	64	160
1 1/2" x 30	023.872.06030	68	59	90	120
2" x 40	023.872.07040	77	72	140	60
2 1/4" x 50	023.872.08050	80	79	196	45
2 3/4" x 60	023.872.08060	84	96	324	30

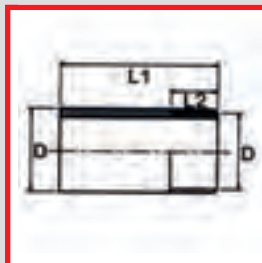
RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 175

## TANK CONNECTOR



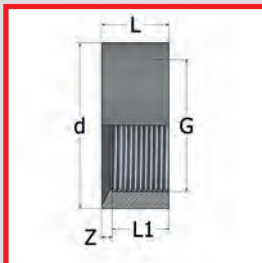
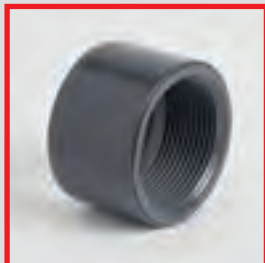
D	PART NO	L1	L2	O	Wt (g)	Box
3/8"•	021.242.01	67	27	30	22	50
1/2"•	021.242.02	77	42	38	41	50
3/4"•	021.242.03	77	42	42	52	50
1"•	021.242.04	103	55	55	108	25
1 1/4"•	021.242.05	121	65	65	153	25
1 1/2"•	021.242.06	128	73	72	216	10
2"•	021.242.07	154	85	93	370	10
2 1/2"•	021.242.08	164	90	106	471	10
3"•	021.242.09	202	112	125	768	10
4"•	021.242.10	230	130	154	1421	10
6"•	021.242.12	280	155	235	2658	1

## NIPPLE



D	PART NO	L2	L1	Wt (g)	Box
3/8"•	021.252.01	13	42	8	100
1/2"•	021.252.02	17	50	14	100
3/4"•	021.252.03	16	56	25	100
1"•	021.252.04	20	63	38	50
1 1/4"•	021.252.05	24	75	52	25
1 1/2"•	021.252.06	30	88	80	10
2"•	021.252.07	32	88	115	10
2 1/2"•	021.252.08	32	106	197	10
3"•	021.252.09	39	128	300	10
4"•	021.252.10	40	153	560	10

## REDUCING BUSH



d x G	PART NO	L	L1	Z	Wt (g)	Box
3/8" x 1/4"	021.092.0100	14	12	2	2	100
1/2" x 1/4"	021.092.0200	16	14	2	4	100
1/2" x 3/8"•	021.092.0201	16	13.5	2.5	4	100
3/4" x 1/2"	021.092.0302	19	15	4	8	700
1" x 3/4"	021.092.0403	22	16.3	5.7	12	400
1 1/4" x 1"	021.092.0504	26	19.1	6.9	22	250
1 1/2" x 1 1/4"	021.092.0605	31	21.4	9.6	45	350
2" x 1 1/2"	021.092.0706	38	21.4	16.6	68	180
2 1/2" x 2"	021.092.0807	44	25.7	18.3	96	110
3" x 2 1/2"	021.092.0908	51	30.2	20.8	152	65
4" x 3"	021.092.1009	61	33.3	27.7	282	36

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

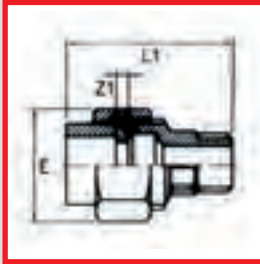
COMPRESSION FITTINGS

GUIDELINES



# PVC IMPERIAL PRESSURE FITTINGS PLAIN / THREADED (BSP)

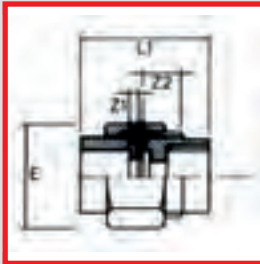
## COMPOSITE UNION – MALE BRASS



SIZE	PART NO	E	L1	Z1	Wt (g)
1/2"•	021.762.02	44	56	3	175
3/4"•	021.762.03	46	64	3	210
1"•	021.762.04	55	68	9	318
1 1/4"•	021.762.05	65	84	10	435
1 1/2"•	021.762.06	72	86	12	516
2"•	021.762.07	88	95	14	768
2 1/2"•	021.762.08	108	114	18	1400
3"•	021.762.09	122	130	18	1860

PLEASE NOTE: FOR CONNECTING PLASTIC PIPEWORK SYSTEMS TO METAL PIPEWORK SYSTEMS COMPOSITE UNIONS AND/OR FLANGES MUST BE USED.

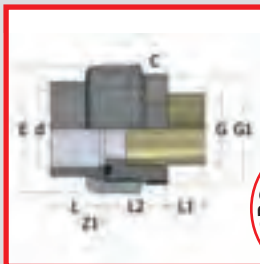
## COMPOSITE UNION – FEMALE BRASS



SIZE	PART NO	E	L1	Z1	Z2	Wt (g)
1/2"•	021.752.02	44	43	3	9	175
3/4"•	021.752.03	46	48	3	10	186
1"•	021.752.04	55	54	9	11	290
1 1/4"•	021.752.05	65	63	10	11	365
1 1/2"•	021.752.06	72	65	12	12	465
2"•	021.752.07	88	78	14	14	680
2 1/2"•	021.752.08	108	87	14	18	1220
3"•	021.752.09	122	105	16	18	1610

PLEASE NOTE: FOR CONNECTING PLASTIC PIPEWORK SYSTEMS TO METAL PIPEWORK SYSTEMS COMPOSITE UNIONS AND/OR FLANGES MUST BE USED.

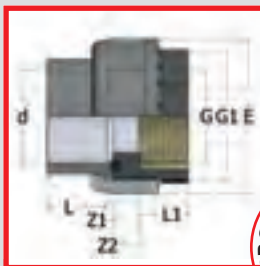
## COMPOSITE UNION – MALE BRASS WITH PVC NUT



d x G	PART NO	L	L1	L2	Z1	C	G1	E	O-R	Wt (g)	Box
1 1/2"	021.762.06	31	21,4	40	3	65	2 1/4"	79	6187	341	30
2"	021.762.07	38	25,7	42	3	70	2 3/4"	96	6237	535	12



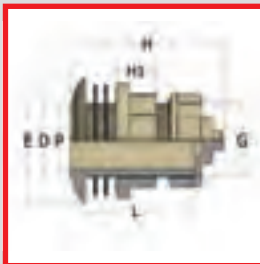
## COMPOSITE UNION – FEMALE BRASS WITH PVC NUT



d x G	PART NO	L	L1	L2	Z1	C	G1	E	O-R	Wt (g)	Box
1 1/2"	021.752.06	31	21,4	40	3	55,4	2 1/4"	79	6187	250	30
2"	021.752.07	38	25,7	42	3	66,7	2 3/4"	96	6237	374	12



## PP TANK CONNECTOR



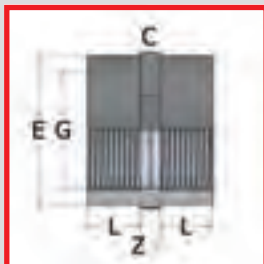
D	PART NO	D	E	H	P	L	H1	Wt (g)
1 1/2"	031.242.06	48	80	90	37	56	25	125

• NON COMER PRODUCT



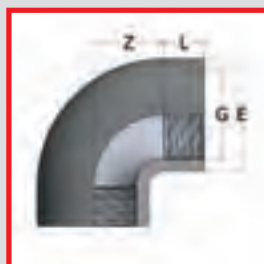
# PVC IMPERIAL PRESSURE FITTINGS THREADED (BSP)

## SOCKET



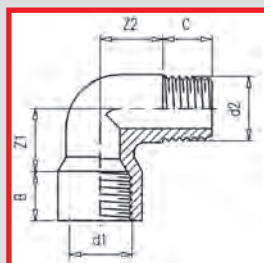
G	PART NO	L	Z	E	C	Wt (g)	Box
3/8"	021.013.01	11.4	6	23.5	24	8	600
1/2"	021.013.02	15	7	28	30	20	350
3/4"	021.013.03	16.3	7	34	36	25	500
1"	021.013.04	19.1	8	42	46	45	300
1 1/4"	021.013.05	21.4	8	50.5	55	65	180
1 1/2"	021.013.06	21.4	8	57.5	60	70	160
2"	021.013.07	25.7	8	71.5	75	125	85
2 1/2"	021.013.08	30.2	9	88	90	200	48
3"	021.013.09	33.3	10	102	105	276	60
4"	021.013.10	39.3	11	129	130	440	36

## 90° ELBOW



G	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.033.01	11.4	11.6	23.5	15	450
1/2"	021.033.02	15	12	26.5	22	300
3/4"	021.033.03	16.3	16.7	32.5	37	350
1"	021.033.04	19.1	19.9	41	60	200
1 1/4"	021.033.05	21.4	27.6	50	95	120
1 1/2"	021.033.06	21.4	37.6	60	180	140
2"	021.033.07	25.7	46.3	75	340	70
2 1/2"	021.033.08	30.2	53.8	89	436	40
3"	021.033.09	33.3	65.7	106	770	25
4"	021.033.10	39.3	79.7	129	1020	14

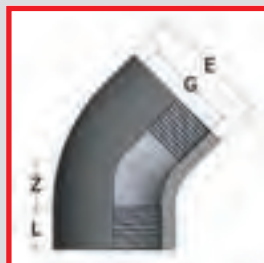
## 90° ELBOW – MALE THREAD ONE END – FEMALE THREAD ONE END



d1 x d2	PART NO	Z1	Z2	B	C	Wt (g)	Box
1/2" x 1/2"•	021.2683.02	20.5	20.5	16	16	24	100
3/4" x 3/4"•	021.2683.03	24.5	24.5	17	17	37	100
1" x 1"•	021.2683.04	30	30	21	21	67	100

PN10 RATED

## 45° ELBOW



G	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.043.01	11.4	8.1	23.5	10	500
1/2"	021.043.02	15	6.5	28	18	700
3/4"	021.043.03	16.3	8.7	34	30	400
1"	021.043.04	19.1	10.9	42	50	250
1 1/4"	021.043.05	21.4	14.6	51	80	150
1 1/2"	021.043.06	21.4	21.6	61	145	170
2"	021.043.07	25.7	27.3	75	254	90
2 1/2"	021.043.08	30.2	31.8	89	360	50
3"	021.043.09	33.3	38.7	106	620	30
4"	021.043.10	39.3	46.7	129	830	16

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



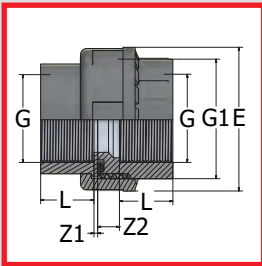
# PVC IMPERIAL PRESSURE FITTINGS THREADED (BSP)

## EQUAL TEE



G	PART NO	L	Z	E	Wt (g)	Box
3/8"	021.063.01	11.4	11.6	23.5	18	300
1/2"	021.063.02	15	12	27	30	450
3/4"	021.063.03	16.3	16.7	33.5	50	250
1"	021.063.04	19.1	19.9	42	80	130
1 1/4"	021.063.05	21.4	27.6	51	120	80
1 1/2"	021.063.06	21.4	37.6	61	240	90
2"	021.063.07	25.7	46.3	75	425	50
2 1/2"	021.063.08	30.2	53.8	89	560	32
3"	021.063.09	33.3	65.7	106	1000	20
4"	021.063.10	39.3	79.7	129	1310	10

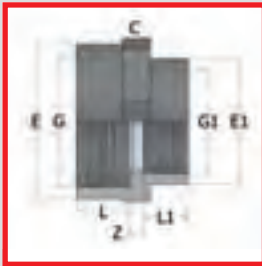
## UNION



\* PN10 RATED

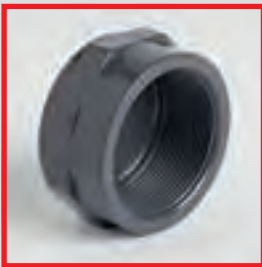
G	PART NO	L	Z1	Z2	G1	E	Wt (g)	Box
3/8"	021.023.01	11.4	5.6	12.6	3/4"	67	32	200
1/2"	021.023.02	15	4	11	1"	42	45	180
3/4"	021.023.03	16.3	5.7	12.7	1 1/4"	52	72	220
1"	021.023.04	19.1	5.9	12.9	1 1/2"	59	100	130
1 1/4"	021.023.05	21.4	7.6	16.6	2"	72	160	80
1 1/2"	021.023.06	21.4	12.6	23.6	2 1/4"	79	220	60
2"	021.023.07	25.7	15.3	30.3	2 3/4"	96	400	30
2 1/2"*	021.023.08	30.2	16.8	31.8	3 1/2"	119	635	35
3"*	021.023.09	33.3	22.7	35.7	4"	134	850	24
4"*	021.023.10	39.3	26.7	39.7	5"	163	1260	12

## REDUCING SOCKET



G x G1	PART NO	L	L1	Z	C	E	E1	Wt (g)	Box
1/2" x 3/8"	021.313.0201	15	11.4	6	24	28	23	18	400
3/4" x 1/2"	021.313.0302	16.3	15	7	30	34	28	24	550
1" x 3/4"	021.313.0403	19.1	16.3	7	36	42	34	41	300
1 1/4" x 1"	021.313.0504	21.4	19.1	8	46	51	42	62	200
1 1/2" x 1 1/4"	021.313.0605	21.4	21.4	8	55	58	51	72	160
2" x 1 1/2"	021.313.0706	25.7	21.4	8	60	72	58	116	100
2 1/2" x 2"	021.313.0807	30.2	25.7	8	75	89	72	128	60
3" x 2 1/2"	021.313.0908	33.3	30.2	9	105	103	89	287	35
4" x 3"	021.313.1009	39.3	33.3	10	130	130	103	434	24

## CAP

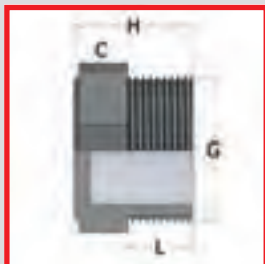
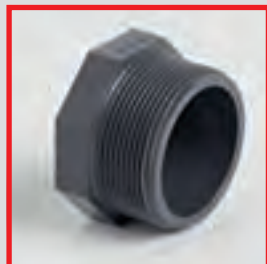


G	PART NO	L	H	C	E	Wt (g)	Box
3/8"	021.223.01	11.4	22	24	23	7	800
1/2"	021.223.02	15	26	30	28	15	450
3/4"	021.223.03	16.3	28	36	34	23	280
1"	021.223.04	19.1	32	46	42	40	180
1 1/4"	021.223.05	21.4	35	55	51	56	120
1 1/2"	021.223.06	21.4	35	60	58	67	210
2"	021.223.07	25.7	39	75	72	113	125
2 1/2"	021.223.08	30.2	52	90	89	190	65
3"	021.223.09	33.3	56	105	103	270	45
4"	021.223.10	39.3	64	130	130	420	30



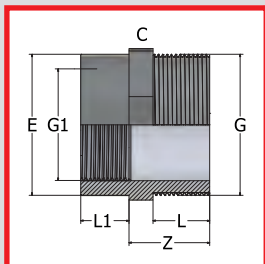
# PVC IMPERIAL PRESSURE FITTINGS THREADED (BSP)

## PLUG



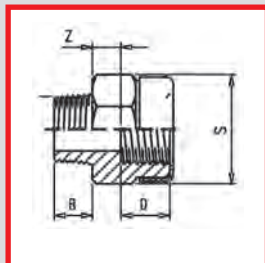
G	PART NO	L	H	C	Wt (g)	Box
1/4"•	021.233.00	12	21	17	6	100
3/8"	021.233.01	11.4	23	19	8	1200
1/2"	021.233.02	15	29	24	10	600
3/4"	021.233.03	16.3	30	30	15	430
1"	021.233.04	19.1	33	36	25	300
1 1/4"	021.233.05	21.4	39	46	40	350
1 1/2"	021.233.06	21.4	39	55	45	280
2"	021.233.07	25.7	43	65	80	160
2 1/2"	021.233.08	30.2	53	80	137	80
3"	021.233.09	33.3	58	95	210	60
4"	021.233.10	39.3	65	120	330	30

## REDUCING BUSH – LONG PATTERN



G x G1	PART NO	L	L1	Z	C	E	Wt (g)	Box
3/8" x 1/4"•	021.303.0100	12	12	19			12	100
1/2" x 3/8"	021.303.0201	15	11.4	24	24	23	12	450
3/4" x 3/8"	021.303.0301	16.3	11.4	25	30	23	16	350
3/4" x 1/2"	021.303.0302	16.3	15	26	30	28	20	320
1" x 3/8"	021.303.0401	19.1	11.4	28	36	23	25	250
1" x 1/2"	021.303.0402	19.1	15	29	36	28	26	220
1" x 3/4"	021.303.0403	19.1	16.3	30	36	34	26	450
1 1/4" x 1/2"	021.303.0502	21.4	15	33	46	28	42	300
1 1/4" x 3/4"	021.303.0503	21.4	16.3	34	46	34	43	280
1 1/4" x 1"	021.303.0504	21.4	19.1	33	46	42	46	260
1 1/2" x 3/4"	021.303.0603	21.4	16.3	34	50	34	60	220
1 1/2" x 1"	021.303.0604	21.4	19.1	34	50	42	55	200
1 1/2" x 1 1/4"	021.303.0605	21.4	21.4	34	55	51	60	180
2" x 1"	021.303.0704	25.7	19.1	37	65	42	97	120
2" x 1 1/4"	021.303.0705	25.7	21.4	37	65	51	94	110
2" x 1 1/2"	021.303.0706	25.7	21.4	37	65	58	96	110
2 1/2" x 1 1/4"	021.303.0805	30.2	21.4	43	80	51	140	85
2 1/2" x 1 1/2"	021.303.0806	30.2	21.4	43	80	58	138	85
2 1/2" x 2"	021.303.0807	30.2	25.7	43	80	72	142	60
3" x 1 1/2"	021.303.0906	33.3	21.4	47	95	58	200	60
3" x 2"	021.303.0907	33.3	25.7	47	95	72	210	60
3" x 2 1/2"	021.303.0908	33.3	30.2	47	95	89	215	45
4" x 2"	021.303.1007	39.3	25.7	53	120	72	325	30
4" x 2 1/2"	021.303.1008	39.3	30.2	53	120	89	330	30
4" x 3"	021.303.1009	39.3	33.3	53	120	103	350	45

## REDUCING BUSH – LONG PATTERN REINFORCED



SIZE	PART NO	Z	B	D	S	Wt (g)	Box
1/2" x 3/8"•	021.2693.0201	8.5	16	12	27	26	50
3/4" x 1/2"•	021.2693.0302	8	17	15	32	36	50
1" x 3/4"•	021.2693.0403	10.5	21	16	36	62	50
1 1/4" x 1"•	021.2693.0504	12	23	22	46	90	75
1 1/2" x 1 1/4"•	021.2693.0605	14	23	23	55	148	100

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

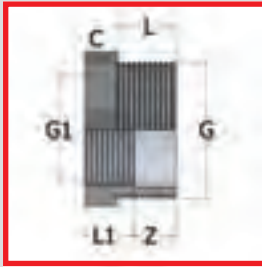
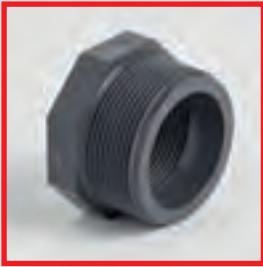
COMPRESSION FITTINGS

GUIDELINES



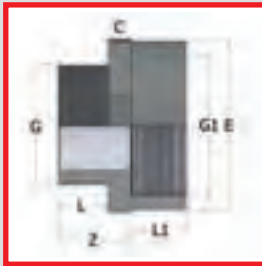
# PVC IMPERIAL PRESSURE FITTINGS THREADED (BSP)

## REDUCING BUSH – SHORT PATTERN



G x G1	PART NO	L	L1	Z	C	Wt (g)	Box
3/4" x 1/4"•	021.093.0300	17	12		32	16	100
3/4" x 3/8"•	021.093.0301	17	14		32	15	100
3/4" x 1/2"	021.093.0302	16.3	15	13.3	30	13	450
1" x 3/8"•	021.093.0401	21	14		36	25	100
1" x 1/2"•	021.093.0402	21	16		32	23	100
1" x 3/4"•	021.093.0403	19.1	16.3	14.8	36	20	300
1 1/4" x 1/2"•	021.093.0502	23	16		46	39	100
1 1/4" x 3/4"•	021.093.0503	23	16		46	38	100
1 1/4" x 1"	021.093.0504	21.4	19.1	16.3	46	35	350
1 1/2" x 3/4"•	021.093.0603	23	16		55	58	100
1 1/2" x 1"	021.093.0604	23	22		55	53	100
1 1/2" x 1 1/4"	021.093.0605	21.4	21.4	14	50	37	300
2" x 1"•	021.093.0704	27	22		65	90	100
2" x 1 1/4"•	021.093.0705	27	23		65	83	100
2" x 1 1/2"	021.093.0706	25.7	21.4	18.3	65	72	160
2 1/2" x 1 1/4"•	021.093.0805	31	23		80	160	50
2 1/2" x 1 1/2"•	021.093.0806	31	23		80	158	100
2 1/2" x 2"	021.093.0807	30.2	25.7	20.5	80	135	90
3" x 1 1/2"•	021.093.0906	34	23		94	226	50
3" x 2"•	021.093.0907	34	34		94	231	50
3" x 2 1/2"	021.093.0908	33.3	30.2	20.1	95	160	60
4" x 3"	021.093.1009	39.3	33.3	24	120	360	30

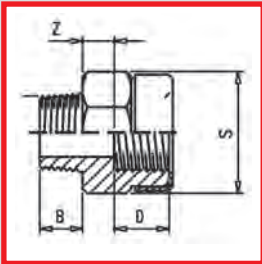
## REDUCING PIECE – MALE / FEMALE



G x G1	PART NO	L	L1	Z	C	E	Wt (g)	Box
1/4" x 3/8"•*	021.293.0100	12	12	19			13	
3/8" x 1/2"	021.293.0201	11.4	15	22	30	28	10	400
1/2" x 3/4"	021.293.0302	15	16.3	24	36	34	17	280
3/4" x 1"	021.293.0403	16.3	19.1	26	46	42	25	150
1" x 1 1/4"	021.293.0504	19.1	21.4	30	55	51	42	220
1 1/4" x 1 1/2"	021.293.0605	21.4	21.4	33	60	58	48	150
1 1/2" x 2"	021.293.0706	21.4	25.7	34	75	72	80	140
2" x 2 1/2"	021.293.0807	25.7	30.2	38	90	89	138	72
2 1/2" x 3"	021.293.0908	30.2	33.3	44	105	103	208	45
3" x 4"	021.293.1009	33.3	39.3	48	130	130	340	24

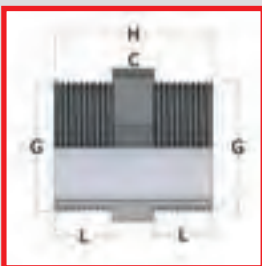
\* PN10 RATED

## REDUCING PIECE – MALE / FEMALE REINFORCED



SIZE	PART NO	Z	B	D	S	Wt (g)	Box
1/4" x 3/8"•	021.2703.0100	8.5	12	12	27	19	50
3/8" x 1/2"•	021.2703.0201	8	12	15	32	26	50
1/2" x 3/4"•	021.2703.0302	10.5	16	16	36	36	50
3/4" x 1"•	021.2703.0403	12	17	22	46	62	50
1" x 1 1/4"•	021.2703.0504	14	21	23	55	90	50
1 1/4" x 1 1/2"•	021.2703.0605	16	23	25	66	148	75
1 1/2" x 2"•	021.2703.0706	21.5	23	28	80	242	50
2" x 2 1/2"•	021.2703.0807	23.5	27	31	94	345	45

## HEXAGON NIPPLE



G	PART NO	L	H	C	Wt (g)	Box
3/8"	021.273.01	11.4	31.7	19	6	900
1/2"	021.273.02	15	42	24	11	500
3/4"	021.273.03	16.3	44	30	18	700
1"	021.273.04	19.1	50	36	28	450
1 1/4"	021.273.05	21.4	58	46	47	240
1 1/2"	021.273.06	21.4	58	50	61	160
2"	021.273.07	25.7	66	65	98	200
2 1/2"	021.273.08	30.2	78	80	144	60
3"	021.273.09	33.3	85	95	230	70
4"	021.273.10	39.3	96	120	345	40

• NON COMER PRODUCT



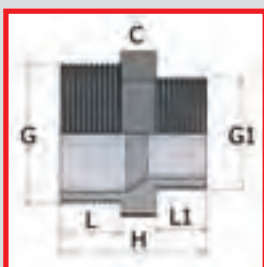
# PVC IMPERIAL PRESSURE FITTINGS THREADED (BSP)

## NIPPLE



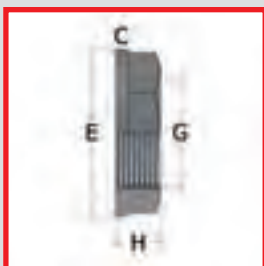
SIZE	PART NO	L	H	Wt (g)	Box
1/4"•	021.253.00	12	40	7	100
3/8"•	021.253.01	12	43	11	100
1/2"•	021.253.02	16	50	13	100
3/4"•	021.253.03	18	55	20	100
1"•	021.253.04	20	63	30	50
1 1/4"•	021.253.05	23	75	51	25
1 1/2"•	021.253.06	28	88	83	10
2"•	021.253.07	29	88	119	10
2 1/2"•	021.253.08	30	106	169	10
3"•	021.253.09	36	128	243	10
4"•	021.253.10	38	153	485	10

## REDUCING NIPPLE



G x G1	PART NO	L	L1	H	C	Wt (g)	Box
1/2" x 3/8"	021.283.0201	15	11.4	38	24	10	550
3/4" x 1/2"	021.283.0302	16.3	15	43	30	17	350
1" x 3/4"	021.283.0403	19.1	16.3	47	36	25	450
1 1/4" x 1"	021.283.0504	21.4	19.1	56	46	42	270
1 1/2" x 1 1/4"	021.283.0605	21.4	21.4	58	50	48	180
2" x 1 1/2"	021.283.0706	25.7	21.4	62	65	80	110
2 1/2" x 2"	021.283.0807	30.2	25.7	73	80	138	80
3" x 2 1/2"	021.283.0908	33.3	30.2	82	95	208	35
4" x 3"	021.283.1009	39.3	33.3	90	120	340	24

## BACKNUT



G	PART NO	E	H	C	Wt (g)	Box
3/8"•	021.323.01	34	12	24	8	1200
1/2"•	021.323.02	38	13	29	13	800
3/4"•	021.323.03	43	14	34	16	1250
1"•	021.323.04	56	16	46	30	600
1 1/4"•	021.323.05	65	18	50	35	450
1 1/2"•	021.323.06	72	19	60	45	300
2"•	021.323.07	94	21	80	90	150
2 1/2"•	021.323.08	115	24	94	97	120
3"•	021.323.09	130	27	108	137	80
4"•	021.323.10	162	30	135	207	90

## FULL FACE FLANGE – NP10/16



G	PART NO	L	Z	I	E	S	Holes	Bolt Dia	Wt (g)	Box
1/2"	021.143.02Z	16	4.5	65	95	11	4	M12	78	100
3/4"	021.143.03Z	19	4.5	75	105	12	4	M12	105	60
1"	021.143.04Z	22	4.5	85	115	14	4	M12	143	50
1 1/4"	021.143.05Z	26	4.5	100	142	15	4	M16	220	50
1 1/2"	021.143.06Z	31	4.5	110	152	16	4	M16	280	48
2"	021.143.07Z	38	4.5	125	165	18	4	M16	380	36
2 1/2"	021.143.08Z	44	6	145	185	19	4	M16	505	15
3"	021.143.09Z	51	7	160	200	20	8	M16	685	30
4"	021.143.10Z	61	8	180	220	22	8	M16	940	24

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to **most** addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

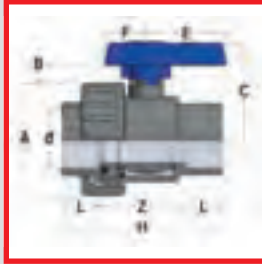
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



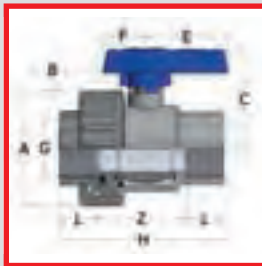
**STANDARD BALL VALVE – SINGLE UNION – PTFE SEAT – EPDM SEALS – PLAIN ENDS**



d	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.82S1.01Q	14	44	72	50	10	58	39	21	15	100	60
1/2"	021.82S1.02Q	16	44	76	50	10	58	39	21	15	110	60
3/4"	021.82S1.03Q	19	52	90	60	11	65	47	24	15	170	90
1"	021.82S1.04Q	22	58	102	68	13	75	55	27	15	250	60
1 1/4"	021.82S1.05Q	26	66	118	80	18	75	60	30	15	370	35
1 1/2"	021.82S1.06Q	31	74	136	96	20	87	68	35	15	560	24
2"	021.82S1.07Q	38	92	168	116	20	101	80	40	15	980	12
2 1/2"	022.82S1.075Q	44	126	214	145	25	123	90	45	10	1825	5
3"	021.82S1.09Q	51	138	240	166	28	138	100	50	10	2900	3
4"	021.82S1.10Q	61	153	275	210	28	160	120	60	10	4790	2

NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED

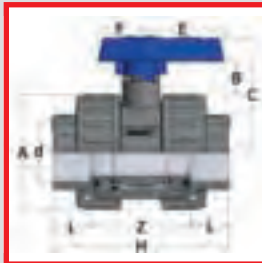
**STANDARD BALL VALVE – SINGLE UNION – PTFE SEAT – EPDM SEALS – THREADED ENDS**



G	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.82S3.01Q	14	44	72	50	10	58	39	21	15	100	60
1/2"	021.82S3.02Q	16	44	76	50	10	58	39	21	15	110	60
3/4"	021.82S3.03Q	19	52	90	60	11	65	47	24	15	170	90
1"	021.82S3.04Q	22	58	102	68	13	75	55	27	15	250	60
1 1/4"	021.82S3.05Q	26	66	118	80	18	75	60	30	15	370	35
1 1/2"	021.82S3.06Q	31	74	136	96	20	87	68	35	15	560	24
2"	021.82S3.07Q	38	92	168	116	20	101	80	40	15	980	12
2 1/2"	021.82S3.08Q	44	126	214	145	25	123	90	45	10	1825	5
3"	021.82S3.09Q	51	138	240	166	28	138	100	50	10	2900	3
4"	021.82S3.10Q	61	153	275	210	28	160	120	60	10	4790	2

NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED

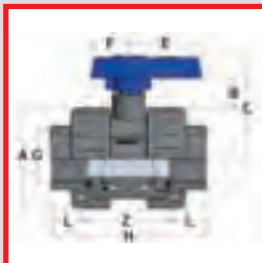
**STANDARD BALL VALVE – DOUBLE UNION – PTFE SEAT – EPDM SEALS – PLAIN ENDS**



d	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.66S1.01Q	14	53	81	50	10	58	39	21	15	140	60
1/2"	021.66S1.02Q	16	49	81	50	10	58	39	21	15	130	60
3/4"	021.66S1.03Q	19	56	94	60	11	65	47	24	15	200	36
1"	021.66S1.04Q	22	63	107	68	13	75	55	27	15	295	50
1 1/4"	021.66S1.05Q	26	72	124	80	18	75	60	30	15	440	30
1 1/2"	021.66S1.06Q	31	84	146	96	20	87	68	35	15	720	20
2"	021.66S1.07Q	38	94	170	116	20	101	80	40	15	1190	12
2 1/2"	022.66S1.075Q	44	130	218	145	25	123	90	45	10	2210	5
3"	021.66S1.09Q	51	148	250	166	28	138	100	50	10	3520	3
4"	021.66S1.10Q	61	168	290	210	28	160	120	60	10	5790	2

NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED

**STANDARD BALL VALVE – DOUBLE UNION – PTFE SEAT – EPDM SEALS – THREADED ENDS**



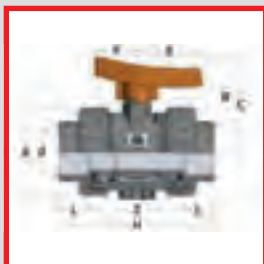
G	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.66S3.01Q	14	53	81	50	10	58	39	21	15	140	60
1/2"	021.66S3.02Q	16	49	81	50	10	58	39	21	15	130	60
3/4"	021.66S3.03Q	19	56	94	60	11	65	47	21	15	200	36
1"	021.66S3.04Q	22	63	107	68	13	75	55	27	15	295	50
1 1/4"	021.66S3.05Q	26	72	124	80	18	75	60	30	15	440	30
1 1/2"	021.66S3.06Q	31	84	146	96	20	87	68	35	15	720	20
2"	021.66S3.07Q	38	94	170	116	20	101	80	40	15	1190	12
2 1/2"	021.66S3.08Q	44	130	218	145	25	123	90	45	10	2210	5
3"	021.66S3.09Q	51	148	250	166	28	138	100	50	10	3520	3
4"	021.66S3.10Q	61	168	290	210	28	160	120	60	10	5790	2

NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED



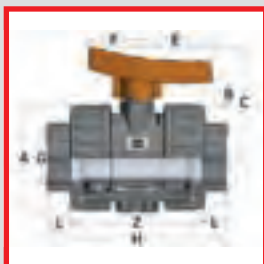


## INDUSTRIAL BALL VALVE – DOUBLE UNION – PTFE SEAT – EPDM SEALS – PLAIN ENDS



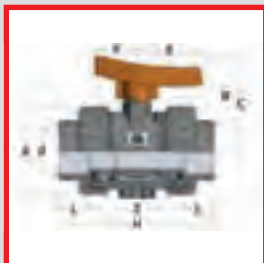
d	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.6611.01Q	14	74	102	50	10	54	39	19	15	180	50
1/2"	021.6611.02Q	16	70	102	50	10	54	39	19	15	170	50
3/4"	021.6611.03Q	19	82	120	60	11	64	47	22	15	265	32
1"	021.6611.04Q	22	86	130	68	13	74	55	25	15	370	22
1 1/4"	021.6611.05Q	26	97	149	80	18	87	60	30	15	545	27
1 1/2"	021.6611.06Q	31	103	165	96	20	100	68	35	15	885	18
2"	021.6611.07Q	38	123	199	116	20	118	80	40	15	1440	10
2 1/2"	022.6611.075Q	44	130	218	145	25	150	90	45	10	2300	2
3"	021.6611.09Q	51	148	250	166	28	175	100	50	10	3655	2
4"	021.6611.10Q	61	168	290	210	28	200	120	60	10	6000	2

## INDUSTRIAL BALL VALVE – DOUBLE UNION – PTFE SEAT – EPDM SEALS – THREADED ENDS



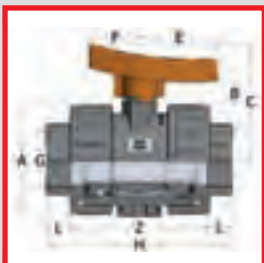
G	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.6613.01Q	14	74	102	50	10	54	39	19	15	180	50
1/2"	021.6613.02Q	16	70	102	50	10	54	39	19	15	170	50
3/4"	021.6613.03Q	19	82	120	60	11	64	47	22	15	265	32
1"	021.6613.04Q	22	86	130	68	13	74	55	25	15	370	22
1 1/4"	021.6613.05Q	26	97	149	80	18	87	60	30	15	545	27
1 1/2"	021.6613.06Q	31	103	165	96	20	100	68	35	15	885	18
2"	021.6613.07Q	38	123	199	116	20	118	80	40	15	1440	10
2 1/2"	021.6613.08Q	44	130	218	145	25	150	90	45	10	2300	2
3"	021.6613.09Q	51	148	250	166	28	175	100	50	10	3655	2
4"	021.6613.10Q	61	168	290	210	28	200	120	60	10	6000	2

## INDUSTRIAL BALL VALVE – DOUBLE UNION – PTFE SEAT – FPM SEALS – PLAIN ENDS



d	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.6611.01R	14	74	102	50	10	54	39	19	15	180	50
1/2"	021.6611.02R	16	70	102	50	10	54	39	19	15	170	50
3/4"	021.6611.03R	19	82	120	60	11	64	47	22	15	265	32
1"	021.6611.04R	22	86	130	68	13	74	55	25	15	370	22
1 1/4"	021.6611.05R	26	97	149	80	18	87	60	30	15	545	27
1 1/2"	021.6611.06R	31	103	165	96	20	100	68	35	15	885	18
2"	021.6611.07R	38	123	199	116	20	118	80	40	15	1440	10
2 1/2"	022.6611.075R	44	130	218	145	25	150	90	45	10	2300	2
3"	021.6611.09R	51	148	250	166	28	175	100	50	10	3655	2
4"	021.6611.10R	61	168	290	210	28	200	120	60	10	6000	2

## INDUSTRIAL BALL VALVE – DOUBLE UNION – PTFE SEAT – FPM SEALS – THREADED ENDS



G	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)	Box
3/8"	021.6613.01R	14	74	102	50	10	54	39	19	15	180	50
1/2"	021.6613.02R	16	70	102	50	10	54	39	19	15	170	50
3/4"	021.6613.03R	19	82	120	60	11	64	47	22	15	265	32
1"	021.6613.04R	22	86	130	68	13	74	55	25	15	370	22
1 1/4"	021.6613.05R	26	97	149	80	18	87	60	30	15	545	27
1 1/2"	021.6613.06R	31	103	165	96	20	100	68	35	15	885	18
2"	021.6613.07R	38	123	199	116	20	118	80	40	15	1440	10
2 1/2"	021.6613.08R	44	130	218	145	25	150	90	45	10	2300	2
3"	021.6613.09R	51	148	250	166	28	175	100	50	10	3655	2
4"	021.6613.10R	61	168	290	210	28	200	120	60	10	6000	2

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

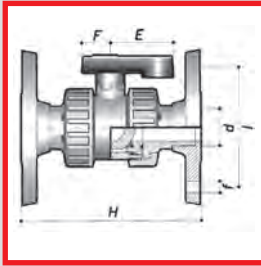
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**STANDARD BALL VALVE – DOUBLE FLANGED NP10/16 – PTFE SEAT – EPDM SEALS**



d	PART NO	H	I	f	E	F	Wt (g)
1/2" / 20	023.6658.02Q	122	65	14	39	19	305
3/4" / 25	023.6658.03Q	142	75	14	47	22	430
1" / 32	023.6658.04Q	160	85	14	55	25	620
1 1/4" / 40	023.6658.05Q	185	100	18	60	30	920
1 1/2" / 50	023.6658.06Q	216	110	18	68	35	1350
2" / 63	023.6658.07Q	255	125	18	80	40	2050
2 1/2" / 75	023.6658.08Q	314	145	18	90	45	3390
3" / 90	023.6658.09Q	365	160	18	100	50	5160
4" / 110	023.6658.10Q	428	180	18	120	60	8140

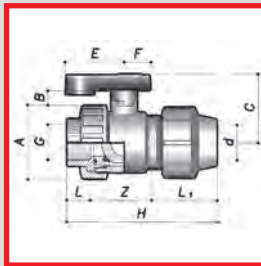
NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED

**COMPRESSION BALL VALVE – SINGLE UNION / COMPRESSION – x BSP THREADED ENDS – PTFE SEAT – EPDM SEALS**

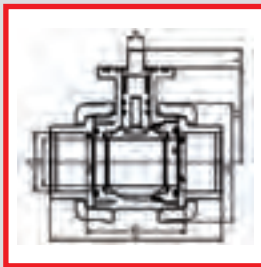


d	PART NO	L	L	Z	H	A	B	C	E	F	Wt (g)
1/2" x 20	023.8259.02002Q	14	57	44	117	50	10	48	39	19	140
3/4" x 25	023.8259.02503Q	16	58	52	129	60	11	54	47	22	230
1" x 32	023.8259.03204Q	19	65	58	145	68	13	62	55	25	330
1 1/4" x 40	023.8259.04005Q	22	85	66	179	80	18	75	60	30	510
1 1/2" x 50	023.8259.05006Q	26	90	65	193	96	20	87	68	35	840
2" x 63	023.8259.06307Q	31	109	92	249	116	20	101	80	40	1380

NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED



**EXCEL BALL VALVE ISO TOP**

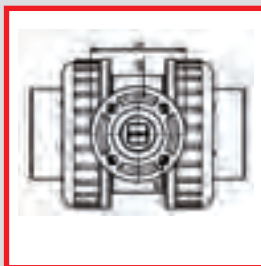


**DOUBLE UNION – TEFLON FILLED PE SEAT – EPDM SEALS – PLAIN ENDS**

d	PART NO	d1	d2	d3	d4	d5	d6	Z1	Z2	C	E	S
1"	021.6611.04Q-ISO	32	73	25	42	5.5	54	63	60.5	108	11	11
1 1/2"	021.6611.06Q-ISO	50	102	40	50	6.5	65	85.5	81.5	148	15	14
2"	021.6611.07Q-ISO	63	124	50	50	6.5	65	101	93.5	178	15	14

**DOUBLE UNION – TEFLON FILLED PE SEAT – FPM SEALS – PLAIN ENDS**

d	PART NO	d1	d2	d3	d4	d5	d6	Z1	Z2	C	E	S
1"	021.6611.04R-ISO	32	73	25	42	5.5	54	63	60.5	108	11	11
1 1/2"	021.6611.06R-ISO	50	102	40	50	6.5	65	85.5	81.5	148	15	14
2"	021.6611.07R-ISO	63	124	50	50	6.5	65	101	93.5	178	15	14



• NON COMER PRODUCT



**STANDARD SPRING CHECK NON RETURN VALVE – DOUBLE UNION – STAINLESS STEEL SPRING – EPDM SEALS – PLAIN ENDS**



d	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.671.01Q	14	53	81	50	15	120	50
1/2"	021.671.02Q	16	49	81	50	15	110	50
3/4"	021.671.03Q	19	56	94	60	15	168	32
1"	021.671.04Q	22	63	107	68	15	246	22
1 1/4"	021.671.05Q	26	72	124	80	15	360	27
1 1/2"	021.671.06Q	31	84	146	96	15	595	18
2"	021.671.07Q	38	94	170	116	15	970	10
2 1/2"	022.671.075Q	44	130	218	145	10	1740	5
3"	021.671.09Q	51	148	250	166	10	2810	3
4"	021.671.10Q	61	168	290	210	10	4690	2

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

**STANDARD SPRING CHECK NON RETURN VALVE – DOUBLE UNION – STAINLESS STEEL SPRING – EPDM SEALS – THREADED ENDS**



G	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.673.01Q	14	53	81	50	15	120	50
1/2"	021.673.02Q	16	49	81	50	15	110	50
3/4"	021.673.03Q	19	56	94	60	15	168	32
1"	021.673.04Q	22	63	107	68	15	246	22
1 1/4"	021.673.05Q	26	72	124	80	15	360	27
1 1/2"	021.673.06Q	31	84	146	96	15	595	18
2"	021.673.07Q	38	94	170	116	15	970	10
2 1/2"	021.673.08Q	44	130	218	145	10	1740	5
3"	021.673.09Q	51	148	250	166	10	2810	3
4"	021.673.10Q	61	168	290	210	10	4690	2

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

**STANDARD SPRING CHECK NON RETURN VALVE – DOUBLE UNION – STAINLESS STEEL SPRING – FPM SEALS – PLAIN ENDS**



d	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.671.01R	14	53	81	50	15	120	50
1/2"	021.671.02R	16	49	81	50	15	110	50
3/4"	021.671.03R	19	56	94	60	15	168	32
1"	021.671.04R	22	63	107	68	15	246	22
1 1/4"	021.671.05R	26	72	124	80	15	360	27
1 1/2"	021.671.06R	31	84	146	96	15	595	18
2"	021.671.07R	38	94	170	116	15	970	10
2 1/2"	022.671.075R	44	130	218	145	10	1740	5
3"	021.671.09R	51	148	250	166	10	2810	3
4"	021.671.10R	61	168	290	210	10	4690	2

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

**STANDARD SPRING CHECK NON RETURN VALVE – DOUBLE UNION – STAINLESS STEEL SPRING – FPM SEALS – THREADED ENDS**



G	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.673.01R	14	53	81	50	15	120	50
1/2"	021.673.02R	16	49	81	50	15	110	50
3/4"	021.673.03R	19	56	94	60	15	168	32
1"	021.673.04R	22	63	107	68	15	246	22
1 1/4"	021.673.05R	26	72	124	80	15	360	27
1 1/2"	021.673.06R	31	84	146	96	15	595	18
2"	021.673.07R	38	94	170	116	15	970	10
2 1/2"	021.673.08R	44	130	218	145	10	1740	5
3"	021.673.09R	51	148	250	166	10	2810	3
4"	021.673.10R	61	168	290	210	10	4690	2

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

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ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**STANDARD AIR RELEASE VALVE – DOUBLE UNION – EPDM SEALS – PLAIN ENDS**



d	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67A1.01Q	14	53	81	50	15	85	50
1/2"	021.67A1.02Q	16	49	81	50	15	85	50
3/4"	021.67A1.03Q	19	56	94	60	15	140	32
1"	021.67A1.04Q	22	63	107	68	15	240	22
1 1/4"	021.67A1.05Q	26	72	124	80	15	395	27
1 1/2"	021.67A1.06Q	31	84	146	96	15	670	18
2"	021.67A1.07Q	38	94	170	116	15	1130	10
2 1/2"	022.67A1.075Q	44	130	218	145	10	1740	2
3"	021.67A1.09Q	51	148	250	166	10	2810	2
4"	021.67A1.10Q	61	168	290	210	10	4690	2

**STANDARD AIR RELEASE VALVE – DOUBLE UNION – EPDM SEALS – THREADED ENDS**



G	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67A3.01Q	14	53	81	50	15	85	50
1/2"	021.67A3.02Q	16	49	81	50	15	85	50
3/4"	021.67A3.03Q	19	56	94	60	15	140	32
1"	021.67A3.04Q	22	63	107	68	15	240	22
1 1/4"	021.67A3.05Q	26	72	124	80	15	395	27
1 1/2"	021.67A3.06Q	31	84	146	96	15	670	18
2"	021.67A3.07Q	38	94	170	116	15	1130	10
2 1/2"	021.67A3.08Q	44	130	218	145	10	1740	2
3"	021.67A3.09Q	51	148	250	166	10	2810	2
4"	021.67A3.10Q	61	168	290	210	10	4690	2

**STANDARD AIR RELEASE VALVE – DOUBLE UNION – FPM SEALS – PLAIN ENDS**



d	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67A1.01R	14	53	81	50	15	85	50
1/2"	021.67A1.02R	16	49	81	50	15	85	50
3/4"	021.67A1.03R	19	56	94	60	15	140	32
1"	021.67A1.04R	22	63	107	68	15	240	22
1 1/4"	021.67A1.05R	26	72	124	80	15	395	27
1 1/2"	021.67A1.06R	31	84	146	96	15	670	18
2"	021.67A1.07R	38	94	170	116	15	1130	10
2 1/2"	022.67A1.075R	44	130	218	145	10	1740	2
3"	021.67A1.09R	51	148	250	166	10	2810	2
4"	021.67A1.10R	61	168	290	210	10	4690	2

**STANDARD AIR RELEASE VALVE – DOUBLE UNION – FPM SEALS – THREADED ENDS**



G	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67A3.01R	14	53	81	50	15	85	50
1/2"	021.67A3.02R	16	49	81	50	15	85	50
3/4"	021.67A3.03R	19	56	94	60	15	140	32
1"	021.67A3.04R	22	63	107	68	15	240	22
1 1/4"	021.67A3.05R	26	72	124	80	15	395	27
1 1/2"	021.67A3.06R	31	84	146	96	15	670	18
2"	021.67A3.07R	38	94	170	116	15	1130	10
2 1/2"	021.67A3.08R	44	130	218	145	10	1740	2
3"	021.67A3.09R	51	148	250	166	10	2810	2
4"	021.67A3.10R	61	168	290	210	10	4690	2



# PVC IMPERIAL MANUAL VALVES

## STANDARD FOOT VALVE – DOUBLE UNION – EPDM SEALS – PLAIN ENDS



d	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67F1.01Q	14	53	81	50	15	95	50
1/2"	021.67F1.02Q	16	49	81	50	15	95	50
3/4"	021.67F1.03Q	19	56	94	60	15	150	32
1"	021.67F1.04Q	22	63	107	68	15	260	22
1 1/4"	021.67F1.05Q	26	72	124	80	15	460	27
1 1/2"	021.67F1.06Q	31	84	146	96	15	780	18
2"	021.67F1.07Q	38	94	170	116	15	1350	10
2 1/2"	022.67F1.075Q	44	130	218	145	10	1740	2
3"	021.67F1.09Q	51	148	250	166	10	2810	2
4"	021.67F1.10Q	61	168	290	210	10	4690	2

## STANDARD FOOT VALVE – DOUBLE UNION – EPDM SEALS – THREADED ENDS



G	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67F3.01Q	14	53	81	50	15	95	50
1/2"	021.67F3.02Q	16	49	81	50	15	95	50
3/4"	021.67F3.03Q	19	56	94	60	15	150	32
1"	021.67F3.04Q	22	63	107	68	15	260	22
1 1/4"	021.67F3.05Q	26	72	124	80	15	460	27
1 1/2"	021.67F3.06Q	31	84	146	96	15	780	18
2"	021.67F3.07Q	38	94	170	116	15	1350	10
2 1/2"	021.67F3.08Q	44	130	218	145	10	1740	2
3"	021.67F3.09Q	51	148	250	166	10	2810	2
4"	021.67F3.10Q	61	168	290	210	10	4690	2

## STANDARD FOOT VALVE – DOUBLE UNION – FPM SEALS – PLAIN ENDS



d	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67F1.01R	14	53	81	50	15	95	50
1/2"	021.67F1.02R	16	49	81	50	15	95	50
3/4"	021.67F1.03R	19	56	94	60	15	150	32
1"	021.67F1.04R	22	63	107	68	15	260	22
1 1/4"	021.67F1.05R	26	72	124	80	15	460	27
1 1/2"	021.67F1.06R	31	84	146	96	15	780	18
2"	021.67F1.07R	38	94	170	116	15	1350	10
2 1/2"	022.67F1.075R	44	130	218	145	10	1740	2
3"	021.67F1.09R	51	148	250	166	10	2810	2
4"	021.67F1.10R	61	168	290	210	10	4690	2

## STANDARD FOOT VALVE – DOUBLE UNION – FPM SEALS – THREADED ENDS



G	PART NO	L	Z	H	A	PN	Wt (g)	Box
3/8"	021.67F3.01R	14	53	81	50	15	95	50
1/2"	021.67F3.02R	16	49	81	50	15	95	50
3/4"	021.67F3.03R	19	56	94	60	15	150	32
1"	021.67F3.04R	22	63	107	68	15	260	22
1 1/4"	021.67F3.05R	26	72	124	80	15	460	27
1 1/2"	021.67F3.06R	31	84	146	96	15	780	18
2"	021.67F3.07R	38	94	170	116	15	1350	10
2 1/2"	021.67F3.08R	44	130	218	145	10	1740	2
3"	021.67F3.09R	51	148	250	166	10	2810	2
4"	021.67F3.10R	61	168	290	210	10	4690	2

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ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

**STANDARD WAFER TYPE CHECK VALVE – WITHOUT SPRING – EPDM SEAL**



STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:  
2" – 6" NP10/16 8" – 12" NP10

SIZE	PART NO	A	B	C	Wt (g)
1 1/4"	023.845.040Q	85	15	18	184
1 1/2"	023.845.050Q	95	16	22	218
2"	023.845.063Q	109	20	32	310
2 1/2"	023.845.075Q	129	20	40	406
3"	023.845.090Q	144	20	52	468
4"	023.845.110Q	164	22	70	660
5"	023.845.140Q	195	23	92	850
6"	023.845.160Q	220	25	112	1252
8"	023.845.225Q	275	35	150	2230
10"	023.845.280Q	330	40	189	3380
12"	023.845.315Q	380	45	226	4865

**STANDARD WAFER TYPE CHECK VALVE – WITHOUT SPRING – FPM SEAL**



STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:  
2" – 6" NP10/16 8" – 12" NP10

SIZE	PART NO	A	B	C	Wt (g)
1 1/4"	023.845.040R	85	15	18	184
1 1/2"	023.845.050R	95	16	22	218
2"	023.845.063R	109	20	32	310
2 1/2"	023.845.075R	129	20	40	406
3"	023.845.090R	144	20	52	468
4"	023.845.110R	164	22	70	660
5"	023.845.140R	195	23	92	850
6"	023.845.160R	220	25	112	1252
8"	023.845.225R	275	35	150	2230
10"	023.845.280R	330	40	189	3380
12"	023.845.315R	380	45	226	4865

**STANDARD WAFER TYPE CHECK VALVE – WITH SPRING – EPDM SEAL**



STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:  
2" – 6" NP10/16 8" – 12" NP10

SIZE	PART NO	A	B	C	Wt (g)
1 1/4"	023.855.040Q	85	15	18	184
1 1/2"	023.855.050Q	95	16	22	218
2"	023.855.063Q	109	20	32	310
2 1/2"	023.855.075Q	130	20	40	406
3"	023.855.090Q	144	20	53	468
4"	023.855.110Q	164	22	70	660
5"	023.855.140Q	192	22	93	850
6"	023.855.160Q	220	26	113	1252
8"	023.855.225Q	276	35	152	2230
10"	023.855.280Q	330	40	189	3380
12"	023.855.315Q	380	45	226	4865

**STANDARD WAFER TYPE CHECK VALVE – WITH SPRING – FPM SEAL**



STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:  
2" – 6" NP10/16 8" – 12" NP10

SIZE	PART NO	A	B	C	Wt (g)
1 1/4"	023.855.040R	85	15	18	184
1 1/2"	023.855.050R	95	16	22	218
2"	023.855.063R	109	20	32	310
2 1/2"	023.855.075R	130	20	40	406
3"	023.855.090R	144	20	53	468
4"	023.855.110R	164	22	70	660
5"	023.855.140R	192	22	93	850
6"	023.855.160R	220	26	113	1252
8"	023.855.225R	276	35	152	2230
10"	023.855.280R	330	40	189	3380
12"	023.855.315R	380	45	226	4865

• NON COMER PRODUCT



ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

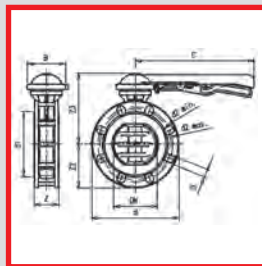


BUTTERFLY VALVE  
DESIGNED FOR  
INSTALLATION  
BETWEEN THE  
FOLLOWING FLANGES:  
2" – 6" NP10/16  
8" – NP10

**BUTTERFLY VALVE – PVC BODY & POLYPROPYLENE DISC C/W EPDM LINER & SEALS – BZP STEM**

SIZE	PART NO	A	B	C	D	E	F	L	Wt (g)	Box
2" – 2 1/2"	023.73EL.075Q-C	250	40	54	191	152.5	19 x 26.5	239	1555	2
3"	023.73EL.090Q-C	240	38	50	185	135	19.5 x 29.5	219	1380	2
4"	023.73EL.110Q-C	284	43	57.3	227	185	19 x 24.5	239	2220	2
5"	023.73EL.140Q-C	325	48	67.3	255	210	21.9 x 27	274	3400	1
6"	023.73EL.160Q-C	349	48	67.5	284	239	22 x 25	274	3870	1
8"	023.73EL.225Q-C	412	56	77	347	289	23 x 32	274	6440	1

PRICES AVAILABLE ON APPLICATION FOR STAINLESS STEEL STEM VERSION



BUTTERFLY VALVE  
DESIGNED FOR  
INSTALLATION  
BETWEEN THE  
FOLLOWING FLANGES:  
2" – 6" NP10/16  
8" – NP10

**BUTTERFLY VALVE – PVC BODY & PVC DISC – EPDM LINER & SEALS – STAINLESS STEEL STEM**

SIZE	PART NO	d	d1	d2	Z	Z1	Z2	Z3	B	C	NxD	Wt (g)
2 1/2"•	023.73EL.075Q-V	185	106	128/144	53	134	92.5	174	108	270	4x19	2030
3"•	023.73EL.090Q-V	200	125	145/160	53	141.5	100	181	108	270	8x19	2320
4"•	023.73EL.110Q-V	220	150	165/160	63	151.5	110	192	108	270	8x19	2740
5"•	023.73EL.140Q-V	250	188	204/215	71	162.5	125	203	108	340	8x23	3960
6"•*	023.73EL.160Q-V	285	214	230/242	78	180	142.5	221	108	340	8x23	4860
8"•*	023.73EL.225Q-V	340	266	280/298	81	233	170	289	150	420	8x23	8830

\* WE ARE ABLE TO OFFER BUTTERFLY VALVES WITH FPM SEALS AND/OR HANDWHEEL OPERATED WITH REDUCTION GEAR IN LARGER SIZES

EXTENSION STEM ALSO AVAILABLE

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*



**MOUNTING KIT FOR BUTTERFLY VALVE – COMPRISING STUB FLANGES – BACKING RINGS AND BOLT SETS**



SIZE	PART NO
2 1/2"•	023.92E.075-KIT-V
3"•	021.92E.09-KIT-V
4"•	021.92E.10-KIT-V
5"•	023.92E.140-KIT-V
6"•	021.92E.12-KIT-V
8"•	021.92E.13-KIT-V

PLEASE CONFIRM EITHER PVC OR GALVANISED BACKING RINGS WHEN ORDERING

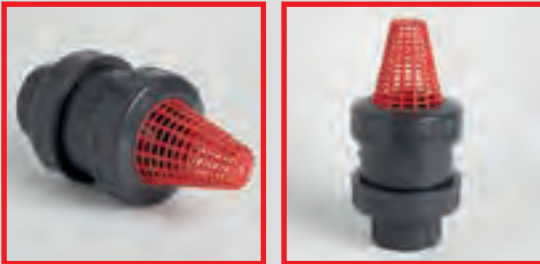
**DUCTILE IRON BUTTERFLY VALVE – EPDM LINER**



SIZE	PART NO	SIZE	PART NO
1 1/2"•	9911-06	10"•	9911-14
2"•	9911-07	12"•	9911-15
2 1/2"•	9911-08	14"•	9911-16
3"•	9911-09	16"•	9911-17
4"•	9911-10	18"•	9911-18
5"•	9911-11	20"•	9911-19
6"•	9911-12	24"•	9911-20
8"•	9911-13		

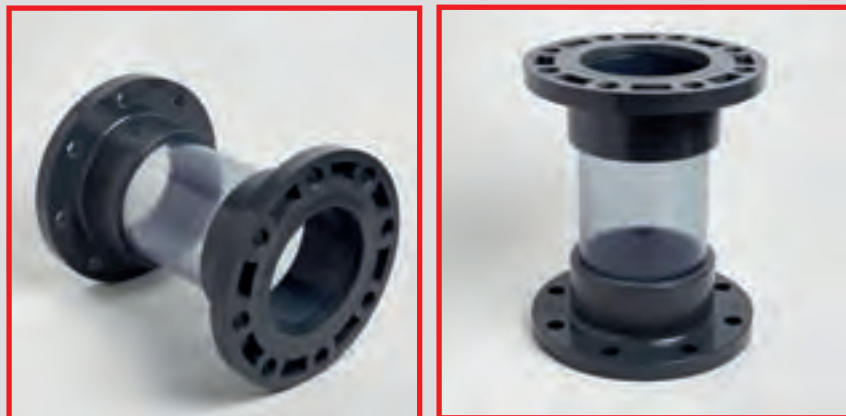
EPOXY COATED DUCTILE IRON BODY ST.ST. 316 DISC

**STANDARD SPRING TYPE FOOT VALVE STRAINER – DOUBLE UNION – EPDM SEAL – PLAIN ENDS**



SIZE	PART NO	L	H	E	Wt (g)
1/2"•	021.861.02Q	16	107	52	150
3/4"•	021.861.03Q	19	130	62	200
1"•	021.861.04Q	22	154	70	330
1 1/4"•	021.861.05Q	26	176	84	530
1 1/2"•	021.861.06Q	31	202	94	680
2"•	021.861.07Q	38	239	117	1230
2 1/2"•	022.861.075Q	44	306	148	2550
3"•	021.861.09Q	51	362	179	4550
4"•	021.861.10Q	61	367	179	4600

SPRING MATERIAL = STAINLESS STEEL



**SIGHT GLASS**

SIZE	PART NO
2 1/2"•	023.891.075
3"•	023.891.090
4"•	023.891.110
5"•	023.891.140
6"•	023.891.160

ALL FLANGED NP10/16



**LABORATORY BALL VALVE – THREADED ENDS**

SIZE	PART NO
1/4"•	021.983.00
3/8"•	021.983.01

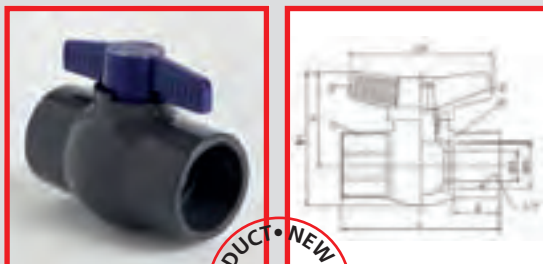
• NON COMER PRODUCT





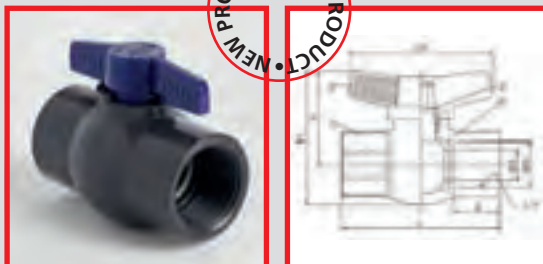
# PVC IMPERIAL MANUAL VALVES

## COMPACT BALL VALVE



### EPDM SEALS – PLAIN ENDS

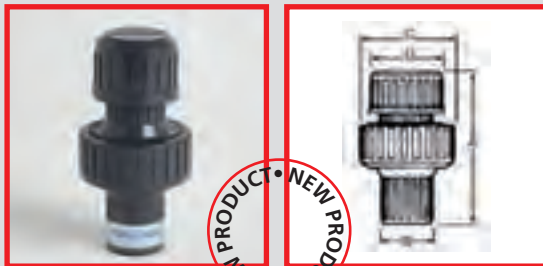
d	PART NO	L	od	oDu	I	H1	HL	Wt (g)	Box
1/2"	021.641.02Q	78	15	31	22	47	70	96	100
3/4"	021.641.03Q	90	20	37	25	52	79	150	100
1"	021.641.04Q	106	23.8	44	30	65	99	250	50
1 1/4"	021.641.05Q	121	29.6	53	33	70	112	355	50
1 1/2"	021.641.06Q	130	33.8	60	35	74	112	460	24
2"	021.641.07Q	148	44.2	76	38	80	138	755	24



### EPDM SEALS – THREADED ENDS

d	PART NO	L	od	oDu	I	H1	HL	Wt (g)	Box
1/2"	021.643.02Q	78	15	31	22	47	70	96	100
3/4"	021.643.03Q	90	20	37	25	52	79	150	100
1"	021.643.04Q	106	23.8	44	30	65	99	250	50
1 1/4"	021.643.05Q	121	29.6	53	33	70	112	355	50
1 1/2"	021.643.06Q	130	33.8	60	35	74	112	460	24
2"	021.643.07Q	148	44.2	76	38	80	138	755	24

## VACUUM BREAKER VALVE



SIZE	PART NO	A"	A mm	B"	B mm	C"	C mm	D"	D mm
1/2"	021.701.02	4.3	110	1.3	33	2.4	62	1.9	48
3/4"	021.701.03	4.6	117	1.6	39	2.8	72	2.3	59
1"	021.701.04	5.1	130	1.9	48	2.8	72	2.5	64

## SLIDE VALVE



SIZE	PART NO	d2	d4	Z1	Z2	Z4	B	C	E	H	Wt (g)
1 1/2"	021.941.06Q	42	7	29	139	76	31	91	52	40	391
2"	021.941.07Q	54	9	38	164	98	38	114	65	51.5	719
3"	021.941.09Q	76	9	45	218	134	51	147	91	71	1790
4"	021.941.10Q	95	9	54	250	158	61	176	108	81	2918

## SINGLE UNION PLAIN BALL CHECK VALVE



SIZE	PART NO	D	D1	L	L1	Wt (g)	Box
1/2"	021.831.02Q	58	26	98		13	200
3/4"	021.831.03Q	58	32	104	34	13	200
1"	021.831.04Q	58	39	108.5	40	14	200
1 1/4"	021.831.05Q	102	56	165	55	62	24
1 1/2"	021.831.06Q	102	56	165	55	57	24
2"	021.831.07Q	102	69	155	68	62	24

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

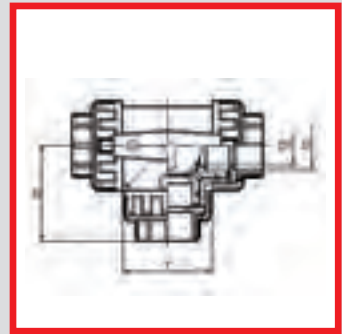
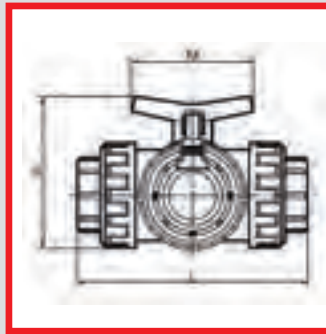
PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES





**3 WAY L PORT BALL VALVE**  
– PLAIN UNION ENDS – PTFE SEAT – EPDM SEALS

SIZE	PART NO	D1	D	L	A	M	T	N	Wt (g)
1/2"•	021.66L1.02Q	15	20	112	80	85	45	57	222
3/4"•	021.66L1.03Q	20	25	123	87	85	55	62	303
1"•	021.66L1.04Q	25	32	147	104	100	66	74	492
1 1/4"•	021.66L1.05Q	32	40	169	115	100	79	82	760
1 1/2"•	021.66L1.06Q	40	50	207	145	128	102	94	1,456
2"•	021.66L1.07Q	50	63	230	160	128	111	117	1,843

**3 WAY T PORT BALL VALVE**  
– PLAIN UNION ENDS – PTFE SEAT – EPDM SEALS

SIZE	PART NO	D1	D	L	A	M	T	N	Wt (g)
1/2"•	021.66T1.02Q	15	20	112	80	85	45	57	222
3/4"•	021.66T1.03Q	20	25	123	87	85	55	62	303
1"•	021.66T1.04Q	25	32	147	104	100	66	74	492
1 1/4"•	021.66T1.05Q	32	40	169	115	100	79	82	760
1 1/2"•	021.66T1.06Q	40	50	207	145	128	102	94	1,456
2"•	021.66T1.07Q	50	63	230	160	128	111	117	1,843

**3 WAY L PORT BALL VALVE**  
– PLAIN UNION ENDS – PTFE SEAT – FPM SEALS

SIZE	PART NO	D1	D	L	A	M	T	N	Wt (g)
1/2"•	021.66L1.02R	15	20	112	80	85	45	57	222
3/4"•	021.66L1.03R	20	25	123	87	85	55	62	303
1"•	021.66L1.04R	25	32	147	104	100	66	74	492
1 1/4"•	021.66L1.05R	32	40	169	115	100	79	82	760
1 1/2"•	021.66L1.06R	40	50	207	145	128	102	94	1,456
2"•	021.66L1.07R	50	63	230	160	128	111	117	1,843

**3 WAY T PORT BALL VALVE**  
– PLAIN UNION ENDS – PTFE SEAT – FPM SEALS

SIZE	PART NO	D1	D	L	A	M	T	N	Wt (g)
1/2"•	021.66T1.02R	15	20	112	80	85	45	57	222
3/4"•	021.66T1.03R	20	25	123	87	85	55	62	303
1"•	021.66T1.04R	25	32	147	104	100	66	74	492
1 1/4"•	021.66T1.05R	32	40	169	115	100	79	82	760
1 1/2"•	021.66T1.06R	40	50	207	145	128	102	94	1,456
2"•	021.66T1.07R	50	63	230	160	128	111	117	1,843

ALSO AVAILABLE WITH BSP THREADED ENDS



**DIAPHRAGM VALVE HANDWHEEL OPERATED – DOUBLE UNION**  
EPDM SEALS

SIZE	PART NO	A	B	C	D	E	F	G	H	I	K	Wt (g)
3/8"•	021.681.01Q-A	16	17	156	24	93	117	73	82	10	M-6	428
1/2"•	021.681.02Q-A	20	17	156	24	93	117	73	82	15	M-6	426
3/4"•	021.681.03Q-A	25	19	168	27	98	125	83	82	20	M-6	535
1"•	021.681.04Q-A	35	22	184	33	107	140	93	94	25	M-6	760
1 1/4"•	021.681.05Q-A	40	27	205	39	113	152	102	94	32	M-8	1,015
1 1/2"•	021.681.06Q-A	50	35	228	50	121	171	115	117	40	M-8	1,594
2"•	021.681.07Q-A	63	32	245	47	123	170	122	117	50	M-8	1,929

**DIAPHRAGM VALVE HANDWHEEL OPERATED – DOUBLE UNION**  
FPM SEALS

SIZE	PART NO	A	B	C	D	E	F	G	H	I	K	Wt (g)
3/8"•	021.681.01R-A	16	17	156	24	93	117	73	82	10	M-6	428
1/2"•	021.681.02R-A	20	17	156	24	93	117	73	82	15	M-6	426
3/4"•	021.681.03R-A	25	19	168	27	98	125	83	82	20	M-6	535
1"•	021.681.04R-A	35	22	184	33	107	140	93	94	25	M-6	760
1 1/4"•	021.681.05R-A	40	27	205	39	113	152	102	94	32	M-8	1,015
1 1/2"•	021.681.06R-A	50	35	228	50	121	171	115	117	40	M-8	1,594
2"•	021.681.07R-A	63	32	245	47	123	170	122	117	50	M-8	1,929

• NON COMER PRODUCT



# METAL MANUAL VALVES & PVC BALL VALVE SPARES

## BRASS BALL VALVE



SIZE	PART NO
1/4"•	4101-00
3/8"•	4101-01
1/2"•	4101-02
3/4"•	4101-03
1"•	4101-04
1 1/4"•	4101-05
1 1/2"•	4101-06
2"•	4101-07

BSP FEMALE THREADED ENDS

PLEASE NOTE - COLOUR OF LEVER HANDLE MAY DIFFER FROM THE ABOVE IMAGES

## BRASS BALL VALVE – LOCKABLE



SIZE	PART NO
1/4"•	2312-00
3/8"•	2312-01
1/2"•	2312-02
3/4"•	2312-03
1"•	2312-04
1 1/4"•	2312-05
1 1/2"•	2312-06
2"•	2312-07
2 1/2"•	2312-08
3"•	2312-09
4"•	2312-10

BSP FEMALE THREADED ENDS

## BRASS GATE VALVE



SIZE	PART NO
1/4"•	2015-00
3/8"•	2015-01
1/2"•	2015-02
3/4"•	2015-03
1"•	2015-04
1 1/4"•	2015-05
1 1/2"•	2015-06
2"•	2015-07
2 1/2"•	2015-08
3"•	2015-09
4"•	2015-10

BSP FEMALE THREADED ENDS

## BRASS SWING CHECK VALVE – METAL SEAT



SIZE	PART NO
3/8"•	2250-01
1/2"•	2250-02
3/4"•	2250-03
1"•	2250-04
1 1/4"•	2250-05
1 1/2"•	2250-06
2"•	2250-07
2 1/2"•	2250-08
3"•	2250-09
4"•	2250-10

BSP FEMALE THREADED ENDS

## PVC IMPERIAL BALL VALVE SPARES

### EPDM SEAL KIT



SIZE	PART NO
3/8"	BIG/E016
1/2"	BIG/E020
3/4"	BIG/E025
1"	BIG/E032
1 1/4"	BIG/E040
1 1/2"	BIG/E050
2"	BIG/E063
2 1/2"	BIG/E075
3"	BIG/E090
4"	BIG/E110

FOR INDUSTRIAL BALL VALVES ONLY

### FPM SEAL KIT



SIZE	PART NO
3/8"	BIG/F016
1/2"	BIG/F020
3/4"	BIG/F025
1"	BIG/F032
1 1/4"	BIG/F040
1 1/2"	BIG/F050
2"	BIG/F063
2 1/2"	BIG/F075
3"	BIG/F090
4"	BIG/F110

FOR INDUSTRIAL BALL VALVES ONLY

### BLUE VALVE HANDLE



SIZE	PART NO
3/8" – 1/2"	BDH.020-BLUE
3/4"	BDH.025-BLUE
1"	BDH.032-BLUE
1 1/4"	BDH.040-BLUE
1 1/2"	BDH.050-BLUE
2"	BDH.063-BLUE
2 1/2"	BDH.075-BLUE
3"	BDH.090-BLUE
4"	BDH.110-BLUE

NEW VALVE HANDLE DESIGN GRADUALLY BEING INTRODUCED

### ORANGE VALVE HANDLE



SIZE	PART NO
3/8" – 1/2"	BDH.020
3/4"	BDH.025
1"	BDH.032
1 1/4"	BDH.040
1 1/2"	BDH.050
2"	BDH.063
2 1/2"	BDH.075
3"	BDH.090
4"	BDH.110

SPARE IMPERIAL VALVE PLAIN ENDS AND THREADED NUTS AVAILABLE SEE 108

• THE ABOVE SPARES ARE FOR COMER VALVES ONLY

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

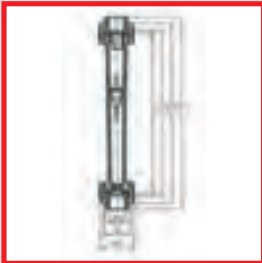
COMPRESSION FITTINGS

GUIDELINES



# PVC IMPERIAL VARIABLE AREA FLOWMETERS

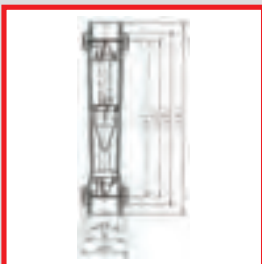
## VARIABLE AREA FLOWMETER – STANDARD PATTERN – TROGAMID TUBE – STAINLESS STEEL FLOAT – EPDM SEALS



SIZE	PART NO	SCALE	G	D	L1	L2	L3	L4	Wt (g)
3/4"•	021.1161.03A	20–250 L/HR	1 1/4"	53	350	356	375	394	450
3/4"•	021.1161.03B	40–400 L/HR	1 1/4"	53	350	356	375	394	450
3/4"•	021.1161.03C	60–640 L/HR	1 1/4"	53	350	356	375	394	450
3/4"•	021.1161.03D	75–1000 L/HR	1 1/4"	53	350	356	375	394	440
1"•	021.1161.04A	40–400 L/HR	1 1/2"	60	350	356	376	400	620
1"•	021.1161.04B	60–640 L/HR	1 1/2"	60	350	356	376	400	610
1"•	021.1161.04C	100–1000 L/HR	1 1/2"	60	350	356	376	400	600
1"•	021.1161.04D	150–1600 L/HR	1 1/2"	60	350	356	376	400	590
1 1/4"•	021.1161.05A	150–1600 L/HR	2"	74	350	356	380	408	1110
1 1/4"•	021.1161.05B	200–2500 L/HR	2"	74	350	356	380	408	1090
1 1/4"•	021.1161.05C	400–4000 L/HR	2"	74	350	356	380	408	1070
1 1/2"•	021.1161.06A	200–2500 L/HR	2 1/4"	83	350	356	382	418	1420
1 1/2"•	021.1161.06B	400–4000 L/HR	2 1/4"	83	350	356	382	418	1390
1 1/2"•	021.1161.06C	500–5000 L/HR	2 1/4"	83	350	356	382	418	1380
2"•	021.1161.07A	0.4–4.0 M/HR	2 3/4"	103	350	356	386	433	2000
2"•	021.1161.07B	0.6–6.4 M/HR	2 3/4"	103	350	356	386	433	1970
2"•	021.1161.07C	1.0–10.0 M/HR	2 3/4"	103	350	356	386	433	1920
2 1/2"•	022.1161.08A	1.5–14.0 M/HR	3 1/2"	122	350	356	388	445	3310
2 1/2"•	022.1161.08B	2.0–20.0 M/HR	3 1/2"	122	350	356	388	445	3310

OPTIONAL ITEMS ON REQUEST: POLYSULFONE TUBE, PP FLOAT, MAGNETIC FLOAT, SWITCHES, SENSORS, SPECIAL SCALES

## VARIABLE AREA FLOWMETER – SHORT PATTERN – TROGAMID TUBE – STAINLESS STEEL FLOAT – EPDM SEALS



SIZE	PART NO	SCALE	G	D	L1	L2	L3	L4	Wt (g)
3/8"•	021.1171.01A	4–40 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01B	5–60 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01C	10–100 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01D	15–160 L/HR	3/4"	35	165	171	186	199	80
3/8"•	021.1171.01E	20–250 L/HR	3/4"	35	165	171	186	199	80
1/2"•	021.1171.02A	10–100 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02B	15–160 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02C	20–250 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02D	40–400 L/HR	1"	43	170	176	192	208	130
1/2"•	021.1171.02E	50–500 L/HR	1"	43	170	176	192	208	130
3/4"•	021.1171.03A	20–250 L/HR	1 1/4"	53	185	191	210	229	240
3/4"•	021.1171.03B	40–400 L/HR	1 1/4"	53	185	191	210	229	240
3/4"•	021.1171.03C	60–600 L/HR	1 1/4"	53	185	191	210	229	240
3/4"•	021.1171.03D	100–1000 L/HR	1 1/4"	53	185	191	210	229	240
1"•	021.1171.04A	40–400 L/HR	1 1/2"	59	200	206	226	250	340
1"•	021.1171.04B	60–650 L/HR	1 1/2"	59	200	206	226	250	340
1"•	021.1171.04C	100–1000 L/HR	1 1/2"	59	200	206	226	250	340
1"•	021.1171.04D	150–1600 L/HR	1 1/2"	59	200	206	226	250	340

OPTIONAL ITEMS ON REQUEST: POLYSULFONE TUBE, PP FLOAT, MAGNETIC FLOAT, SPECIAL SCALES.

• NON COMER PRODUCT



ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**ELECTRICALLY ACTUATED BALL VALVE**

**EPDM SEALS – PLAIN ENDS – 110–240V AC**

d	PART NO
3/8"	021.6611.EAJ.01Q
1/2"	021.6611.EAJ.02Q
3/4"	021.6611.EAJ.03Q
1"	021.6611.EAJ.04Q
1 1/4"	021.6611.EAJ.05Q
1 1/2"	021.6611.EAJ.06Q
2"	021.6611.EAJ.07Q
2 1/2"	022.6611.EAJ.075Q
3"	021.6611.EAJ.09Q
4"	021.6611.EAJ.10Q

**EPDM SEALS – PLAIN ENDS – 24V AC/DC**

d	PART NO
3/8"	021.6611.EAC.01Q
1/2"	021.6611.EAC.02Q
3/4"	021.6611.EAC.03Q
1"	021.6611.EAC.04Q
1 1/4"	021.6611.EAC.05Q
1 1/2"	021.6611.EAC.06Q
2"	021.6611.EAC.07Q
2 1/2"	022.6611.EAC.075Q
3"	021.6611.EAC.09Q
4"	021.6611.EAC.10Q

**FPM SEALS – PLAIN ENDS – 110–240V AC**

d	PART NO
3/8"	021.6611.EAJ.01R
1/2"	021.6611.EAJ.02R
3/4"	021.6611.EAJ.03R
1"	021.6611.EAJ.04R
1 1/4"	021.6611.EAJ.05R
1 1/2"	021.6611.EAJ.06R
2"	021.6611.EAJ.07R
2 1/2"	022.6611.EAJ.075R
3"	021.6611.EAJ.09R
4"	021.6611.EAJ.10R

**FPM SEALS – PLAIN ENDS – 24V AC/DC**

d	PART NO
3/8"	021.6611.EAC.01R
1/2"	021.6611.EAC.02R
3/4"	021.6611.EAC.03R
1"	021.6611.EAC.04R
1 1/4"	021.6611.EAC.05R
1 1/2"	021.6611.EAC.06R
2"	021.6611.EAC.07R
2 1/2"	022.6611.EAC.075R
3"	021.6611.EAC.09R
4"	021.6611.EAC.10R

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*





## ELECTRICALLY ACTUATED BALL VALVE

## EPDM SEALS – THREADED ENDS – 110-240V AC

d	PART NO
3/8"	021.6613.EAJ.01Q
1/2"	021.6613.EAJ.02Q
3/4"	021.6613.EAJ.03Q
1"	021.6613.EAJ.04Q
1 1/4"	021.6613.EAJ.05Q
1 1/2"	021.6613.EAJ.06Q
2"	021.6613.EAJ.07Q
2 1/2"	021.6613.EAJ.08Q
3"	021.6613.EAJ.09Q
4"	021.6613.EAJ.10Q

## EPDM SEALS – THREADED ENDS – 24V AC/DC

d	PART NO
3/8"	021.6613.EAC.01Q
1/2"	021.6613.EAC.02Q
3/4"	021.6613.EAC.03Q
1"	021.6613.EAC.04Q
1 1/4"	021.6613.EAC.05Q
1 1/2"	021.6613.EAC.06Q
2"	021.6613.EAC.07Q
2 1/2"	021.6613.EAC.08Q
3"	021.6613.EAC.09Q
4"	021.6613.EAC.10Q

## FPM SEALS – THREADED ENDS – 110-240V AC

d	PART NO
3/8"	021.6613.EAJ.01R
1/2"	021.6613.EAJ.02R
3/4"	021.6613.EAJ.03R
1"	021.6613.EAJ.04R
1 1/4"	021.6613.EAJ.05R
1 1/2"	021.6613.EAJ.06R
2"	021.6613.EAJ.07R
2 1/2"	021.6613.EAJ.08R
3"	021.6613.EAJ.09R
4"	021.6613.EAJ.10R

## FPM SEALS – THREADED ENDS – 24V AC/DC

d	PART NO
3/8"	021.6613.EAC.01R
1/2"	021.6613.EAC.02R
3/4"	021.6613.EAC.03R
1"	021.6613.EAC.04R
1 1/4"	021.6613.EAC.05R
1 1/2"	021.6613.EAC.06R
2"	021.6613.EAC.07R
2 1/2"	021.6613.EAC.08R
3"	021.6613.EAC.09R
4"	021.6613.EAC.10R

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT



# PVC IMPERIAL ACTUATED VALVES

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



## ELECTRICALLY ACTUATED ISO TOP BALL VALVE

### EPDM SEALS – PLAIN ENDS – 110–240V AC

d	PART NO
1"•	021.6611.EAJ.04Q-V
1 1/2"•	021.6611.EAJ.06Q-V
2"•	021.6611.EAJ.07Q-V

### EPDM SEALS – PLAIN ENDS – 24V AC/DC

d	PART NO
1"•	021.6611.EAC.04Q-V
1 1/2"•	021.6611.EAC.06Q-V
2"•	021.6611.EAC.07Q-V

### FPM SEALS – PLAIN ENDS – 110–240V AC

d	PART NO
1"•	021.6611.EAJ.04R-V
1 1/2"•	021.6611.EAJ.06R-V
2"•	021.6611.EAJ.07R-V

### FPM SEALS – PLAIN ENDS – 24V AC/DC

d	PART NO
1"•	021.6611.EAC.04R-V
1 1/2"•	021.6611.EAC.06R-V
2"•	021.6611.EAC.07R-V

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

• NON COMER PRODUCT

**UK Wide Next Day Delivery\***

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**ELECTRICALLY ACTUATED ISO TOP BALL VALVE**

**EPDM SEALS – THREADED ENDS – 110-240V AC**

d	PART NO
1"•	021.6613.EAJ.04Q-V
1 1/2"•	021.6613.EAJ.06Q-V
2"•	021.6613.EAJ.07Q-V

**EPDM SEALS – THREADED ENDS – 24V AC/DC**

d	PART NO
1"•	021.6613.EAC.04Q-V
1 1/2"•	021.6613.EAC.06Q-V
2"•	021.6613.EAC.07Q-V

**FPM SEALS – THREADED ENDS – 110-240V AC**

d	PART NO
1"•	021.6613.EAJ.04R-V
1 1/2"•	021.6613.EAJ.06R-V
2"•	021.6613.EAJ.07R-V

**FPM SEALS – THREADED ENDS – 24V AC/DC**

d	PART NO
1"•	021.6613.EAC.04R-V
1 1/2"•	021.6613.EAC.06R-V
2"•	021.6613.EAC.07R-V

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

• NON COMER PRODUCT





ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**PNEUMATICALLY ACTUATED BALL VALVE – SPRING RETURN ACTUATOR**

**EPDM SEALS – PLAIN ENDS – FAIL SAFE CLOSE**

d	PART NO
3/8"	021.6611.PANC.01Q
1/2"	021.6611.PANC.02Q
3/4"	021.6611.PANC.03Q
1"	021.6611.PANC.04Q
1 1/4"	021.6611.PANC.05Q
1 1/2"	021.6611.PANC.06Q
2"	021.6611.PANC.07Q
2 1/2"	022.6611.PANC.075Q
3"	021.6611.PANC.09Q
4"	021.6611.PANC.10Q

**EPDM SEALS – PLAIN ENDS – FAIL SAFE OPEN**

d	PART NO
3/8"	021.6611.PANO.01Q
1/2"	021.6611.PANO.02Q
3/4"	021.6611.PANO.03Q
1"	021.6611.PANO.04Q
1 1/4"	021.6611.PANO.05Q
1 1/2"	021.6611.PANO.06Q
2"	021.6611.PANO.07Q
2 1/2"	022.6611.PANO.075Q
3"	021.6611.PANO.09Q
4"	021.6611.PANO.10Q

**FPM SEALS – PLAIN ENDS – FAIL SAFE CLOSE**

d	PART NO
3/8"	021.6611.PANC.01R
1/2"	021.6611.PANC.02R
3/4"	021.6611.PANC.03R
1"	021.6611.PANC.04R
1 1/4"	021.6611.PANC.05R
1 1/2"	021.6611.PANC.06R
2"	021.6611.PANC.07R
2 1/2"	022.6611.PANC.075R
3"	021.6611.PANC.09R
4"	021.6611.PANC.10R

**FPM SEALS – PLAIN ENDS – FAIL SAFE OPEN**

d	PART NO
3/8"	021.6611.PANO.01R
1/2"	021.6611.PANO.02R
3/4"	021.6611.PANO.03R
1"	021.6611.PANO.04R
1 1/4"	021.6611.PANO.05R
1 1/2"	021.6611.PANO.06R
2"	021.6611.PANO.07R
2 1/2"	022.6611.PANO.075R
3"	021.6611.PANO.09R
4"	021.6611.PANO.10R

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCH BOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*





**PNEUMATICALLY ACTUATED BALL VALVE – SPRING RETURN ACTUATOR**

**EPDM SEALS – THREADED ENDS – FAIL SAFE CLOSE**

d	PART NO
3/8"	021.6613.PANC.01Q
1/2"	021.6613.PANC.02Q
3/4"	021.6613.PANC.03Q
1"	021.6613.PANC.04Q
1 1/4"	021.6613.PANC.05Q
1 1/2"	021.6613.PANC.06Q
2"	021.6613.PANC.07Q
2 1/2"	021.6613.PANC.08Q
3"	021.6613.PANC.09Q
4"	021.6613.PANC.10Q

**EPDM SEALS – THREADED ENDS – FAIL SAFE OPEN**

d	PART NO
3/8"	021.6613.PANO.01Q
1/2"	021.6613.PANO.02Q
3/4"	021.6613.PANO.03Q
1"	021.6613.PANO.04Q
1 1/4"	021.6613.PANO.05Q
1 1/2"	021.6613.PANO.06Q
2"	021.6613.PANO.07Q
2 1/2"	021.6613.PANO.08Q
3"	021.6613.PANO.09Q
4"	021.6613.PANO.10Q

**FPM SEALS – THREADED ENDS – FAIL SAFE CLOSE**

d	PART NO
3/8"	021.6613.PANC.01R
1/2"	021.6613.PANC.02R
3/4"	021.6613.PANC.03R
1"	021.6613.PANC.04R
1 1/4"	021.6613.PANC.05R
1 1/2"	021.6613.PANC.06R
2"	021.6613.PANC.07R
2 1/2"	021.6613.PANC.08R
3"	021.6613.PANC.09R
4"	021.6613.PANC.10R

**FPM SEALS – THREADED ENDS – FAIL SAFE OPEN**

d	PART NO
3/8"	021.6613.PANO.01R
1/2"	021.6613.PANO.02R
3/4"	021.6613.PANO.03R
1"	021.6613.PANO.04R
1 1/4"	021.6613.PANO.05R
1 1/2"	021.6613.PANO.06R
2"	021.6613.PANO.07R
2 1/2"	021.6613.PANO.08R
3"	021.6613.PANO.09R
4"	021.6613.PANO.10R

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCH BOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE



# PVC IMPERIAL ACTUATED VALVES

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



## PNEUMATICALLY ACTUATED BALL VALVE – DOUBLE ACTING ACTUATOR

### EPDM SEALS – PLAIN ENDS

d	PART NO
3/8"	021.6611.PADA.01Q
1/2"	021.6611.PADA.02Q
3/4"	021.6611.PADA.03Q
1"	021.6611.PADA.04Q
1 1/4"	021.6611.PADA.05Q
1 1/2"	021.6611.PADA.06Q
2"	021.6611.PADA.07Q
2 1/2"	022.6611.PADA.075Q
3"	021.6611.PADA.09Q
4"	021.6611.PADA.10Q

### FPM SEALS – PLAIN ENDS

d	PART NO
3/8"	021.6611.PADA.01R
1/2"	021.6611.PADA.02R
3/4"	021.6611.PADA.03R
1"	021.6611.PADA.04R
1 1/4"	021.6611.PADA.05R
1 1/2"	021.6611.PADA.06R
2"	021.6611.PADA.07R
2 1/2"	022.6611.PADA.075R
3"	021.6611.PADA.09R
4"	021.6611.PADA.10R

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

**UK Wide Next Day Delivery\***

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**PNEUMATICALLY ACTUATED BALL VALVE – DOUBLE ACTING ACTUATOR**

**EPDM SEALS – THREADED ENDS**

d	PART NO
3/8"	021.6613.PADA.01Q
1/2"	021.6613.PADA.02Q
3/4"	021.6613.PADA.03Q
1"	021.6613.PADA.04Q
1 1/4"	021.6613.PADA.05Q
1 1/2"	021.6613.PADA.06Q
2"	021.6613.PADA.07Q
2 1/2"	021.6613.PADA.08Q
3"	021.6613.PADA.09Q
4"	021.6613.PADA.10Q

**FPM SEALS – THREADED ENDS**

d	PART NO
3/8"	021.6613.PADA.01R
1/2"	021.6613.PADA.02R
3/4"	021.6613.PADA.03R
1"	021.6613.PADA.04R
1 1/4"	021.6613.PADA.05R
1 1/2"	021.6613.PADA.06R
2"	021.6613.PADA.07R
2 1/2"	021.6613.PADA.08R
3"	021.6613.PADA.09R
4"	021.6613.PADA.10R

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**ELECTRICALLY ACTUATED BUTTERFLY VALVE – PVC BODY & PP DISC – ZINC PLATED MILD STEEL STEM**

**EPDM LINER – 110–240V AC**

d	PART NO
2 1/2"	023.73E.EAJ.075Q
3"	023.73E.EAJ.090Q
4"	023.73E.EAJ.110Q
5"	023.73E.EAJ.140Q
6"	023.73E.EAJ.160Q
8"	023.73E.EAJ.225Q

**EPDM LINER – 24V AC/DC**

d	PART NO
2 1/2"	023.73E.EAC.075Q
3"	023.73E.EAC.090Q
4"	023.73E.EAC.110Q
5"	023.73E.EAC.140Q
6"	023.73E.EAC.160Q
8"	023.73E.EAC.225Q



**PNEUMATICALLY ACTUATED BUTTERFLY VALVE – PVC BODY & PP DISC – ZINC PLATED MILD STEEL STEM – SPRING RETURN ACTUATOR**

**PNEUMATICALLY ACTUATED BUTTERFLY VALVE – PVC BODY & PP DISC – ZINC PLATED MILD STEEL STEM – DOUBLE ACTING ACTUATOR**

**EPDM LINER – FAIL SAFE CLOSE**

d	PART NO
2 1/2"	023.73E.PANC.075Q
3"	023.73E.PANC.090Q
4"	023.73E.PANC.110Q
5"	023.73E.PANC.140Q
6"	023.73E.PANC.160Q
8"	023.73E.PANC.225Q

**EPDM LINER – FAIL SAFE OPEN**

d	PART NO
2 1/2"	023.73E.PANO.075Q
3"	023.73E.PANO.090Q
4"	023.73E.PANO.110Q
5"	023.73E.PANO.140Q
6"	023.73E.PANO.160Q
8"	023.73E.PANO.225Q

**EPDM LINER**

d	PART NO
2 1/2"	023.73E.PADA.075Q
3"	023.73E.PADA.090Q
4"	023.73E.PADA.110Q
5"	023.73E.PADA.140Q
6"	023.73E.PADA.160Q
8"	023.73E.PADA.225Q

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

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**PNEUMATICALLY ACTUATED DIAPHRAGM VALVE –  
SPRING RETURN ACTUATOR**

**PNEUMATICALLY ACTUATED  
DIAPHRAGM VALVE – DOUBLE  
ACTING ACTUATOR**

**EPDM DIAPHRAGM –  
FAIL SAFE CLOSE**

**EPDM DIAPHRAGM –  
FAIL SAFE OPEN**

**EPDM DIAPHRAGM**

d	PART NO
1/2"•	021.681.PANC.02Q
3/4"•	021.681.PANC.03Q
1"•	021.681.PANC.04Q
1 1/4"•	021.681.PANC.05Q
1 1/2"•	021.681.PANC.06Q
2"•	021.681.PANC.07Q
2 1/2"•	022.681.PANC.075Q
3"•	021.681.PANC.09Q
4"•	021.681.PANC.10Q

d	PART NO
1/2"•	021.681.PANO.02Q
3/4"•	021.681.PANO.03Q
1"•	021.681.PANO.04Q
1 1/4"•	021.681.PANO.05Q
1 1/2"•	021.681.PANO.06Q
2"•	021.681.PANO.07Q
2 1/2"•	022.681.PANO.075Q
3"•	021.681.PANO.09Q
4"•	021.681.PANO.10Q

d	PART NO
1/2"•	021.681.PADA.02Q
3/4"•	021.681.PADA.03Q
1"•	021.681.PADA.04Q
1 1/4"•	021.681.PADA.05Q
1 1/2"•	021.681.PADA.06Q
2"•	021.681.PADA.07Q
2 1/2"•	022.681.PADA.075Q
3"•	021.681.PADA.09Q
4"•	021.681.PADA.10Q

FPM DIAPHRAGM AVAILABLE – PRICES ON APPLICATION FPM DIAPHRAGM AVAILABLE – PRICES ON APPLICATION

FPM DIAPHRAGM AVAILABLE – PRICES ON APPLICATION

**PTFE / EPDM DIAPHRAGM –  
FAIL SAFE CLOSE**

**PTFE / EPDM DIAPHRAGM –  
FAIL SAFE OPEN**

**PTFE/EPDM DIAPHRAGM**

d	PART NO
1/2"•	021.681.PANC.02S
3/4"•	021.681.PANC.03S
1"•	021.681.PANC.04S
1 1/4"•	021.681.PANC.05S
1 1/2"•	021.681.PANC.06S
2"•	021.681.PANC.07S
2 1/2"•	022.681.PANC.075S
3"•	021.681.PANC.09S
4"•	021.681.PANC.10S

d	PART NO
1/2"•	021.681.PANO.02S
3/4"•	021.681.PANO.03S
1"•	021.681.PANO.04S
1 1/4"•	021.681.PANO.05S
1 1/2"•	021.681.PANO.06S
2"•	021.681.PANO.07S
2 1/2"•	022.681.PANO.075S
3"•	021.681.PANO.09S
4"•	021.681.PANO.10S

d	PART NO
1/2"•	021.681.PADA.02S
3/4"•	021.681.PADA.03S
1"•	021.681.PADA.04S
1 1/4"•	021.681.PADA.05S
1 1/2"•	021.681.PADA.06S
2"•	021.681.PADA.07S
2 1/2"•	022.681.PADA.075S
3"•	021.681.PADA.09S
4"•	021.681.PADA.10S

SIZES 1/2" TO 2" HAVE DOUBLE UNION ENDS, LARGER SIZES HAVE SPIGOT ENDS

NOTE  
THE ABOVE VALVES HAVE THE FOLLOWING DIAPHRAGM SIZES:  
1/2" TO 1" VALVES – 3/4" DIAPHRAGM  
1 1/4" VALVES – 1" DIAPHRAGM  
1 1/2" TO 2" VALVES – 1 1/2" DIAPHRAGM  
2 1/2" VALVE – 2" DIAPHRAGM  
3" VALVE – 3" DIAPHRAGM  
4" VALVE – 4" DIAPHRAGM

• NON COMER PRODUCT

[sales@epco-plastics.com](mailto:sales@epco-plastics.com)

Call us on 0113 2491155

Speak to one of our dedicated and highly trained sales team, you can also fax 0113-2491166



ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**PNEUMATICALLY ACTUATED ISO TOP BALL VALVE – SPRING RETURN ACTUATOR**

**EPDM SEALS – PLAIN ENDS – FAIL SAFE CLOSE**

d	PART NO
1"•	021.6611.PANC.04Q-V
1 1/2"•	021.6611.PANC.06Q-V
2"•	021.6611.PANC.07Q-V

**EPDM SEALS – PLAIN ENDS – FAIL SAFE OPEN**

d	PART NO
1"•	021.6611.PANO.04Q-V
1 1/2"•	021.6611.PANO.06Q-V
2"•	021.6611.PANO.07Q-V

**FPM SEALS – PLAIN ENDS – FAIL SAFE CLOSE**

d	PART NO
1"•	021.6611.PANC.04R-V
1 1/2"•	021.6611.PANC.06R-V
2"•	021.6611.PANC.07R-V

**FPM SEALS – PLAIN ENDS – FAIL SAFE OPEN**

d	PART NO
1"•	021.6611.PANO.04R-V
1 1/2"•	021.6611.PANO.06R-V
2"•	021.6611.PANO.07R-V

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

• NON COMER PRODUCT

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ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**PNEUMATICALLY ACTUATED ISO TOP BALL VALVE – SPRING RETURN ACTUATOR**

**EPDM SEALS – THREADED ENDS – FAIL SAFE CLOSE**

d	PART NO
1"•	021.66I3.PANC.04Q-V
1 1/2"•	021.66I3.PANC.06Q-V
2"•	021.66I3.PANC.07Q-V

**EPDM SEALS – THREADED ENDS – FAIL SAFE OPEN**

d	PART NO
1"•	021.66I3.PANO.04Q-V
1 1/2"•	021.66I3.PANO.06Q-V
2"•	021.66I3.PANO.07Q-V

**FPM SEALS – THREADED ENDS – FAIL SAFE CLOSE**

d	PART NO
1"•	021.66I3.PANC.04R-V
1 1/2"•	021.66I3.PANC.06R-V
2"•	021.66I3.PANC.07R-V

**FPM SEALS – THREADED ENDS – FAIL SAFE OPEN**

d	PART NO
1"•	021.66I3.PANO.04R-V
1 1/2"•	021.66I3.PANO.06R-V
2"•	021.66I3.PANO.07R-V

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

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PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



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PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**PNEUMATICALLY ACTUATED ISO TOP BALL VALVE – DOUBLE ACTING ACTUATOR**

**EPDM SEALS – PLAIN ENDS**

d	PART NO
1"•	021.6611.PADA.04Q-V
1 1/2"•	021.6611.PADA.06Q-V
2"•	021.6611.PADA.07Q-V

**FPM SEALS – PLAIN ENDS**

d	PART NO
1"•	021.6611.PADA.04R-V
1 1/2"•	021.6611.PADA.06R-V
2"•	021.6611.PADA.07R-V

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

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**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to most addresses in the UK\*





**PNEUMATICALLY ACTUATED ISO TOP BALL VALVE – DOUBLE ACTING ACTUATOR**

**EPDM SEALS – THREADED ENDS**

d	PART NO
1"•	021.6613.PADA.04Q-V
1 1/2"•	021.6613.PADA.06Q-V
2"•	021.6613.PADA.07Q-V

**FPM SEALS – THREADED ENDS**

d	PART NO
1"•	021.6613.PADA.04R-V
1 1/2"•	021.6613.PADA.06R-V
2"•	021.6613.PADA.07R-V

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PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



**GRIFFON UNI-100 PVC CEMENT**

SIZE	PART NO	Box
250ml*	96.E101030	24
500ml	96.E101080	12

\* TUB WITH BRUSH



**GRIFFON CLEANING FLUID**

SIZE	PART NO	Box
500ml	96.E200021	12
5000ml	96.E200035	1



**GRIFFON UNI-100 XT**

SIZE	PART NO	Box
125ml*	96.E6300545	30
250ml=	96.E6300425	24
500ml=	96.E6300497	12
1000ml=	96.E6300427	8

\* TUBE  
= TUB WITH BRUSH



**GRIFFON HCR-36 CHEMICAL CEMENT**

SIZE	PART NO	Box
1000ml	96.E114091	2



**GRIFFON UNI-100 GT PVC CEMENT**

SIZE	PART NO	Box
5000ml	96.E101160	1

A SLOWER SETTING PVC CEMENT WHICH IS NORMALLY USED IN LARGE DIAMETER INSTALLATIONS



**GRIFFON HCR-36 CHEMICAL CLEANER**

SIZE	PART NO	Box
500ml	96.E120006	2



**GRIFFON WDF-05**

SIZE	PART NO	Box
250ml*	96.45.0240	12
500ml*	96.45.0500	12

\* TUB WITH BRUSH



**GRIFFON T-88 PVC CEMENT**

SIZE	PART NO	Box
100ml	96.E6110027	24



**125g TUBE GRIFFON KOLMAT PVC / ABS THREAD SEAL PASTE**

SIZE	PART NO	Box
125g	96.E6300213	6



**GRIFFON AQUA-MAX POOL SEALANT**

SIZE	PART NO	Box
425g	96.E6308214	12

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**5 METRE ROLL OF EMERY TAPE – 80 GRIT**

SIZE	PART NO	Box
38mm wide	96.51.08015	6



**KOLMAT FIBRE ROLL 12mm x 15 METRES**

SIZE	PART NO	Box
12mm	96.E6300531	30



**GRIFFON CABLE SAW**

SIZE	PART NO	Box
90cm	96.E6307762	6



**GRIFFON CHAMFERING TOOL**

SIZE	PART NO	Box
1/2" – 2"	96.E6307771	6

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 HAND CLEANER**

SIZE	PART NO	Box
500ml	96.E6307283	12



**GRIFFON SFT-101 REPAIR TAPE 25mm WIDE x 3 METRE ROLL**

SIZE	PART NO	Box
25mm	96.E631114	12



**12mm WIDE PTFE THREAD SEAL TAPE**

SIZE	PART NO	Box
12mm	96.50.0012	250



**GRIFFON MULTI-FUNCTIONAL WIPES**

SIZE	PART NO	Box
1 x 75	96.E6307282	6



**GRIFFON CLEANER CLOTHS**

SIZE	PART NO	Box
1 x 100	96.E6307417	6



**GLUE BRUSHES**

SIZE	PART NO	Box
4mm	96.49.004R	10
8mm	96.49.008R	10
1/2"	96.49.015F	10
1"	96.49.025F	10
1 1/2"	96.49.040F	20
2"	96.49.050F	10
3"	96.49.080F	10

**EPDM O RINGS TO SUIT PVC UNIONS**



SIZE	PART NO
1/2"	G/UN020
3/4"	G/UN025
1"	G/UN032
1 1/4"	G/UN040
1 1/2"	G/UN050

SIZE	PART NO
2"	G/UN063
2 1/2"	G/UN075
3"	G/UN090
4"	G/UN110

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ABS

PVC IMPERIAL

PVC METRIC

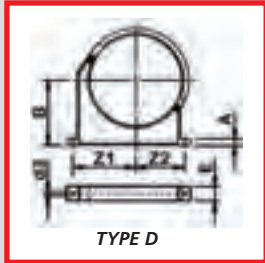
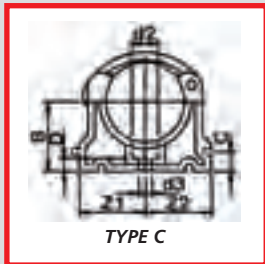
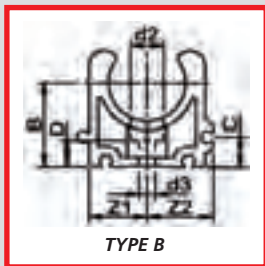
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

# PVC IMPERIAL ACCESSORIES

## INDUSTRIAL PIPE CLIP – BLACK P/P



SIZE	PART NO	TYPE	D2	D3	Z1	Z2	B	C	D	E	Wt (g)	Box
1/4"	961.41.00	A	8.3	4.5	11	13.5	22	10	6	12	4	500
3/8"	961.41.01	B	10.5	5.5	14	16.5	23.5	10	6	16	6	400
1/2"	961.41.02	B	10.5	5.5	16.5	19	23.5	10	6	16	8	400
3/4"	961.41.03	B	10.5	5.5	19	21.5	28.5	10	6	16	10	800
1"	961.41.04	B	10.5	5.5	24	26.5	32	10	6	16	12	600
1 1/4"	961.41.05	C	14	6.5	33.5	33.5	36	10	6.5	22	26	250
1 1/2"	961.41.06	C	14	6.5	37	37	39	10	6.5	22	29	250
2"	961.41.07	C	17	8.5	44.5	44.5	50	10	10	25	48	150
2 1/2"	961.41.08	C	17	8.5	52	52	57.5	10	10	25	73	80
3"	961.41.09	C	17	8.5	64.5	64.5	65	10	10	28	107	60
4"	961.41.10	C	17	8.5	78	78	82	10	10	28	120	50
5"	961.41.11	C	17	8.5	109	109	110	10	10	35	270	20
6"	961.41.12	D		11	136	111	147		20	35	360	20
8"	961.41.13	D		13	165	135	177		25	40	560	10

SIZES 1/4" TO 1" INCLUSIVE ARE NOT SUPPLIED WITH RETAINING STRAPS  
SIZES 5" TO 8" INCLUSIVE ARE SUPPLIED COMPLETE WITH STRAP AND BZP STRAP BOLT

THIS PRODUCT IS DESIGNED FOR USE WITH OUR INDUSTRIAL SPACING BLOCK PAGE 108  
PRODUCT CODE 961.42

## GREEN RUBBER LINED PIPE CLIP



SIZE	PART NO	mm	b x s (mm)	TAPPED	Box
3/8"	962.123.016	16	20 x 1,25	M8 / M10	50
1/2"	962.123.020	20	20 x 1,25	M8 / M10	50
3/4"	962.123.025	25	20 x 1,25	M8 / M10	50
1"	962.123.032	32	20 x 1,25	M8 / M10	50
1 1/4"	962.123.040	40	20 x 1,25	M8 / M10	50
1 1/2"	962.123.050	50	20 x 1,25	M8 / M10	50
2"	962.123.063	63	20 x 1,25	M8 / M10	50
2 1/2"	962.123.075	75	20 x 1,25	M8 / M10	25
3"	962.123.090	90	23 x 2,00	M8 / M10	25

ABS

PVC IMPERIAL

PVC METRIC

POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES

NEW PRODUCT

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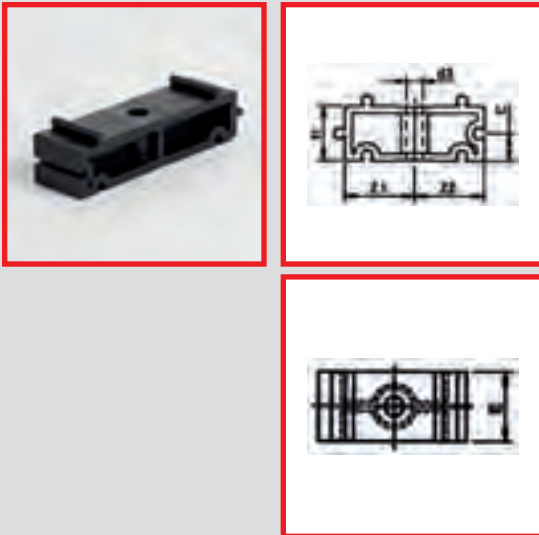
**QUICK CLAMP PIPE CLIP**



D	PART NO	o.d.	DN	B (mm)	H (mm)	h (mm)
3/8"	961.47.01	16-20	10	29	40	26
1/2"	961.47.02	20-23	15	29	44	27
3/4"	961.47.03	24-28	20	40	50	31
1"	961.47.04	32-35	25	43	57	34
1 1/4"	961.47.05	40-44	32	52	70	42
1 1/2"	961.47.06	48-55	40	63	81	47
2"	961.47.07	59-65	50	74	94	55

D	PART NO	o.d.	d1 (mm)	d2 (mm)	h2 (mm)
2 1/2"	961.47.08	71-76	10.5	13 x 8.3	28
3"	961.47.09	88-93	13.0	13 x 8.3	32
4"	961.47.10	109-115	13.0	15 x 10.5	35

**INDUSTRIAL SPACING BLOCK – BLACK P/P**



SIZE	PART NO	d3	Z1	Z2	H	C	E	Wt (g)	Box
1/4"	961.42.00	4.5	11	13.5	20	10	12	4	500
3/8"	961.42.01	5.5	14	16.5	20	10	16	4.5	400
1/2"	961.42.02	5.5	16.5	19	20	10	16	5	400
3/4"	961.42.03	5.5	19	21.5	20	10	16	6	800
1"	961.42.04	5.5	24	26.5	20	10	16	8	600
1 1/4"	961.42.05	6.5	33.5	33.5	20	10	22	16	250
1 1/2"	961.42.06	6.5	37	37	20	10	22	17	250
2"	961.42.07	8.5	44.5	44.5	20	10	25	24	150
2 1/2"	961.42.08	8.5	52	52	20	10	25	28	80
3"	961.42.09	8.5	64.5	64.5	20	10	28	42	100
4"	961.42.10	8.5	78	78	20	10	28	49	80

THIS PRODUCT IS DESIGNED FOR USE WITH OUR INDUSTRIAL PIPE CLIP PAGE 107 PRODUCT COSE 961.41

**IMPERIAL VALVE END PLAIN**



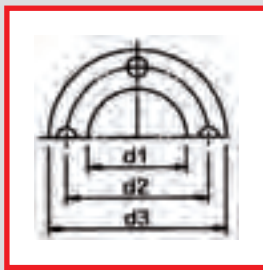
SIZE	PART NO
3/8"	VEIPPVC001
1/2"	VEIPPVC002
3/4"	VEIPPVC003
1"	VEIPPVC004
1 1/4"	VEIPPVC005
1 1/2"	VEIPPVC006
2"	VEIPPVC007
2 1/2"	VEIPPVC008
3"	VEIPPVC009
4"	VEIPPVC010

**IMPERIAL VALVE NUT**



SIZE	PART NO
3/8" - 1/2"	VNPVC020
3/4"	VNPVC025
1"	VNPVC032
1 1/4"	VNPVC040
1 1/2"	VNPVC050
2"	VNPVC063
2 1/2"	VNPVC075
3"	VNPVC090
4"	VNPVC110





STANDARD GASKETS ARE 3.0MM THICK  
OTHER DRILLINGS ARE AVAILABLE TO ORDER  
PRICES ARE ALSO AVAILABLE ON REQUEST FOR OTHER GASKET MATERIALS (IE FPM, PTFE ETC.)  
STUB GASKETS ARE AVAILABLE ON THE FOLLOWING PAGE 111.

**EPDM FULL FACE GASKET – NP10/16**

SIZE	PART NO	d3	d1	d2	Holes	Wt (g)
1/2"	983.171.02Z	95	22	65	4	22
3/4"	983.171.03Z	105	26	75	4	31
1"	983.171.04Z	115	36	85	4	34
1 1/4"	983.171.05Z	140	43	100	4	48
1 1/2"	983.171.06Z	150	50	110	4	51
2"	983.171.07Z	165	60	125	4	66
2 1/2"	983.171.08Z	185	77	145	4	80
3"	983.171.09Z	200	89	160	8	86
4"	983.171.10Z	220	115	180	8	95
5"	983.171.11AZ	250	141	210	8	108
6"	983.171.12Z	285	170	240	8	136
8" NP10	983.171.13AY	340	221	295	8	177
8" NP16	983.171.13AZ	340	221	295	12	177
10" NP10	983.171.14AY	395	272	350	12	220
10" NP16	983.171.14AZ	405	272	355	12	220

**EPDM FULL FACE GASKET – BS10 TABLES D & E**

SIZE	PART NO	d3	d1	d2	Holes	Wt (g)
1/2"	983.171.02W	95	22	67	4	22
3/4"	983.171.03W	102	26	73	4	31
1"	983.171.04W	114	36	83	4	34
1 1/4"	983.171.05W	121	43	87	4	48
1 1/2"	983.171.06W	133	50	98	4	51
2"	983.171.07W	152	60	114	4	66
2 1/2"	983.171.08W	165	77	127	4	80
3"	983.171.09W	184	89	146	4	86
4" D	983.171.10V	216	115	178	4	95
4" E	983.171.10W	216	115	178	8	95
5"	983.171.11AW	254	141	210	8	108
6"	983.171.12W	279	170	235	8	136
8"	983.171.13AW	337	221	292	8	177
10" D	983.171.14AV	406	272	356	8	220
10" E	983.171.14AW	406	272	356	12	220

**EPDM FULL FACE GASKETS – ASA 150**

SIZE	PART NO	d3	d1	d2	Holes	Wt (g)
1/2"	983.171.02X	89	22	60	4	22
3/4"	983.171.03X	98	26	70	4	31
1"	983.171.04X	114	36	79	4	34
1 1/4"	983.171.05X	117	43	89	4	48
1 1/2"	983.171.06X	127	50	98	4	51
2"	983.171.07X	152	60	121	4	66
2 1/2"	983.171.08X	178	77	140	4	80
3"	983.171.09X	191	89	152	4	86
4"	983.171.10X	229	115	191	8	95
5"	983.171.11AX	254	141	216	8	108
6"	983.171.12X	279	170	241	8	136
8"	983.171.13AX	343	221	298	8	177
10"	983.171.14AX	406	272	362	12	220

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**GALVANISED MILD STEEL BACKING RING – NP10/16**



SIZE	PART NO	d3	d1	d2	Holes	Wt (g)
1/2"	991.331.02Z	95	28	65	4	350
3/4"	991.331.03Z	105	34	75	4	400
1"	991.331.04Z	115	42	85	4	500
1 1/4"	991.331.05Z	140	51	100	4	600
1 1/2"	991.331.06Z	150	62	110	4	700
2"	991.331.07Z	165	78	125	4	1000
2 1/2"	991.331.08Z	185	92	145	4	1390
3"	991.331.09Z	200	110	160	8	1300
4"	991.331.10Z	220	133	180	8	1500
5"	991.331.11Z	250	167	210	8	2050
6"	991.331.12Z	285	196	240	8	2400
8" NP10	991.331.13Y	340	250	295	8	2500
8" NP16	991.331.13Z	340	250	295	12	2500
10" NP10	991.331.14Y	393	310	350	12	7000
10" NP16	991.331.14Z	404	310	355	12	7000



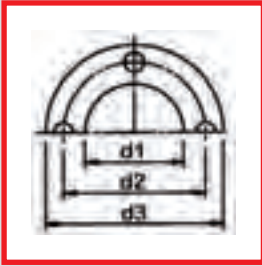
**GALVANISED MILD STEEL BACKING RING – BS10 TABLES D & E**

SIZE	PART NO	d3	d1	d2	Holes	Wt (g)
1/2"	991.331.02W	95	28	67	4	350
3/4"	991.331.03W	102	34	73	4	400
1"	991.331.04W	114	42	83	4	500
1 1/4"	991.331.05W	121	51	87	4	600
1 1/2"	991.331.06W	133	62	98	4	700
2"	991.331.07W	152	78	114	4	1000
2 1/2"	991.331.08W	165	92	127	4	1390
3"	991.331.09W	184	110	146	4	1300
4" D	991.331.10V	216	133	178	4	1500
4" E	991.331.10W	216	133	178	8	1500
5"	991.331.11W	254	167	210	8	2050
6"	991.331.12W	279	196	235	8	2400
8"	991.331.13W	337	250	292	8	2500
10" D	991.331.14V	406	280	356	8	7000
10" E	991.331.14W	406	280	356	12	7000



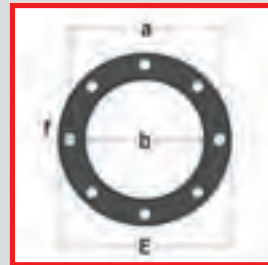
**GALVANISED MILD STEEL BACKING RING – ASA 150**

SIZE	PART NO	d3	d1	d2	Holes	Wt (g)
1/2"	991.331.02X	89	28	60	4	350
3/4"	991.331.03X	98	34	70	4	400
1"	991.331.04X	114	42	79	4	500
1 1/4"	991.331.05X	117	51	89	4	600
1 1/2"	991.331.06X	127	62	98	4	700
2"	991.331.07X	152	78	121	4	1000
2 1/2"	991.331.08X	178	92	140	4	1390
3"	991.331.09X	191	110	152	4	1300
4"	991.331.10X	229	133	191	8	1500
5"	991.331.11X	254	167	216	8	2050
6"	991.331.12X	279	196	241	8	2400
8"	991.331.13X	343	250	298	8	2500
10"	991.331.14X	406	280	362	12	7000



**GRPP COATED MILD STEEL BACKING RING – NP10/16**

SIZE	PART NO	A	E	Holes	Wt (g)
1"	081.441.04Z	85	115	4	600
1 1/4"	081.441.05Z	100	140	4	705
1 1/2"	081.441.06Z	110	150	4	795
2"	081.441.07Z	125	165	4	1028
2 1/2"	081.441.08Z	145	185	4	1274
3"	081.441.09Z	160	200	8	1300
4"	081.441.10Z	180	220	8	1418
5"	081.441.11Z	210	250	8	1952
8" NP10	081.441.13Y	295	340	8	3230
8" NP16	081.441.13Z	295	340	12	3230
10" NP10	081.441.14Y	350	395	12	7000
10" NP16	081.441.14Z	355	405	12	7000
12" NP10	081.441.15Y	400	445	12	8150



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ABS

PVC IMPERIAL

PVC METRIC

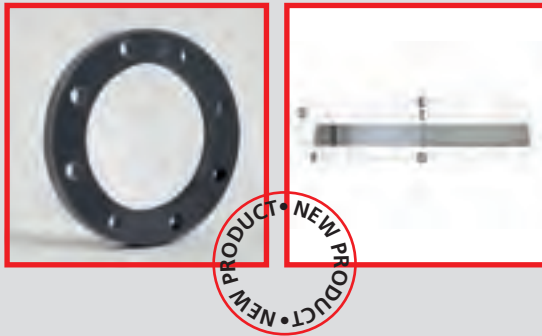
POLYPROPYLENE

COMPRESSION FITTINGS

GUIDELINES



PVC IMPERIAL BACKING RING – NP10/16



SIZE	PART NO	D	E	S	F	I	Holes	Wt (g)	Box
1/2"	022.331.020Z	28	95	11	14	65	4	68	150
3/4"	022.331.025Z	34	105	12	14	75	4	90	100
1"	022.331.032Z	42	115	14	14	85	4	120	75
1 1/4"	022.331.040Z	51	142	15	18	100	4	195	100
1 1/2"	022.331.050Z	62	152	16	18	110	4	230	80
2"	022.331.063Z	78	165	18	18	125	4	280	50
2 1/2"	022.331.075Z	92	185	19	18	145	4	355	40
3"	022.331.090Z	110	200	20	18	160	8	430	35
4"	022.331.110Z	133	220	22	18	180	8	520	24
5"	022.331.140Z	167	250	26	18	210	8	700	18
6"	021.331.12-UNIV	196	285	28	22	240	8	930	28
8" NP10	022.331.225Y	250	340	30	22	295	8	1270	10
10" NP10	022.331.280Y	310	395	30	22	350	12	2000	9

FASTENER SET



SIZE	PART NO	SIZE	PART NO
M16 BZP HEX NUT	M16NUT	M20 BZP HEX NUT	M20NUT
M16 BZP WASHER	M16WASHER	M20 BZP FLAT WASHER	M20WASHER
M16 x 50 BZP HEX HEAD BOLT	M16X50BZPB	M20 x 70 BZP HEX HEAD BOLT	M20X70BZPB
M16 x 60 BZP HEX HEAD BOLT	M16X60BZPB	M20 x 75 BZP HEX HEAD BOLT	M20X75BZPB
M16 x 65 BZP HEX HEAD BOLT	M16X65BZPB	M20 x 80 BZP HEX HEAD BOLT	M20X80BZPB
M16 x 70 BZP HEX HEAD BOLT	M16X70BZPB	M20 x 90 BZP HEX HEAD BOLT	M20X90BZPB
M16 x 75 BZP HEX HEAD BOLT	M16X75BZPB	M20 x 100 BZP HEX HEAD BOLT	M20X100BZPB
M16 x 80 BZP HEX HEAD BOLT	M16X80BZPB	M20 x 120 BZP HEX HEAD BOLT	M20X120BZPB
M16 x 90 BZP HEX HEAD BOLT	M16X90BZPB	M20 x 130 BZP HEX HEAD BOLT	M20X130BZPB
M16 x 100 BZP HEX HEAD BOLT	M16X100BZPB	M20 x 140 BZP HEX HEAD BOLT	M20X140BZPB
M16 x 110 BZP HEX HEAD BOLT	M16X110BZPB	M20 x 150 BZP HEX HEAD BOLT	M20X150BZPB
M16 x 120 BZP HEX HEAD BOLT	M16X120BZPB	M20 x 160 BZP HEX HEAD BOLT	M20X160BZPB
M16 x 130 BZP HEX HEAD BOLT	M16X130BZPB	M20 x 170 BZP HEX HEAD BOLT	M20X170BZPB
M16 x 140 BZP HEX HEAD BOLT	M16X140BZPB	M20 x 180 BZP HEX HEAD BOLT	M20X180BZPB
M16 x 150 BZP HEX HEAD BOLT	M16X150BZPB	M20 x 200 BZP HEX HEAD BOLT	M20X200BZPB
M16 x 160 BZP HEX HEAD BOLT	M16X160BZPB	M20 x 210 BZP HEX HEAD BOLT	M20X210BZPB
M16 x 170 BZP HEX HEAD BOLT	M16X170BZPB	M20 x 220 BZP HEX HEAD BOLT	M20X220BZPB
M16 x 180 BZP HEX HEAD BOLT	M16X180BZPB	M20 x 240 BZP HEX HEAD BOLT	M20X240BZPB
		M20 x 280 BZP HEX HEAD BOLT	M20X280BZPB

EPDM STUB GASKET



SIZE	PART NO	D	d	Wt (g)
1/2"	983.151.02	33	18	2
3/4"	983.151.03	40	23	3
1"	983.151.04	48	30	4
1 1/4"	983.151.05	58	33	6
1 1/2"	983.151.06	70	44	8
2"	983.151.07	87	60	11
2 1/2"	983.151.08	103	77	16
3"	983.151.09	121	85	21
4"	983.151.10	147	105	31
5"	983.151.11A	183	143	37
6"	983.151.12	210	170	43
8"	983.151.13A	265	215	80
10"	983.151.14A	295	265	90

STANDARD GASKETS ARE 3.0mm THICK  
PRICES ARE ALSO AVAILABLE ON REQUEST FOR OTHER GASKET  
MATERIALS (IE FPM, PTFE ETC.)

**UK Wide Next Day Delivery\***

epco customers can place orders up to 5pm for next day delivery to **most** addresses in the UK\*

