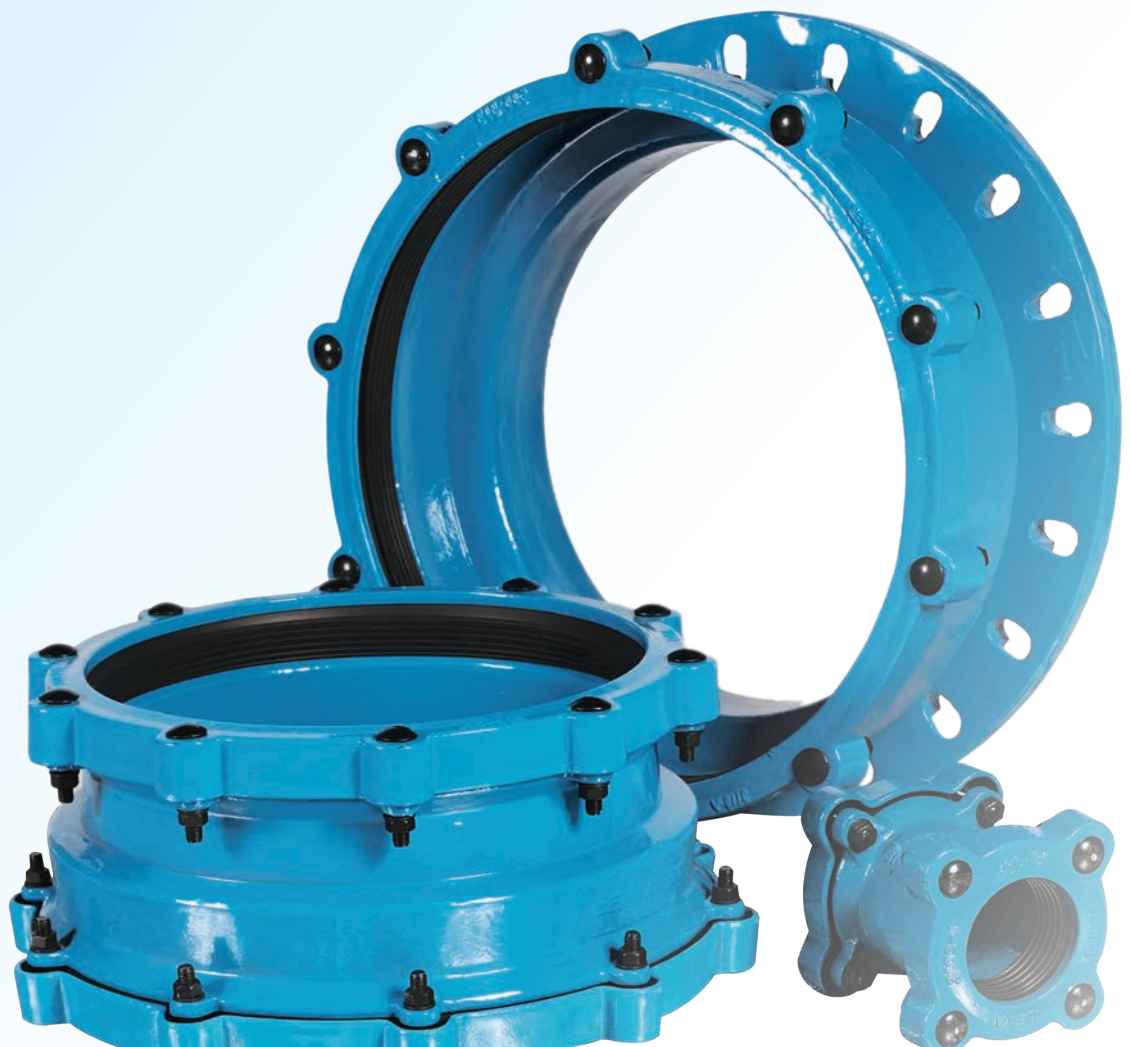


ATLANTIC PLASTICS is a company of



UPE Multi Diameter Wide tolerance Couplings and Flange Adaptors



Mains Connections – MultiDiameter

Wide tolerance couplings and Flange Adaptors

The UPE MultiDiameter range of wide tolerance couplings and flange adaptors can be used for almost any plane-ended rigid pipe material from 32mm to 800mm pipe nominals.

This flexibility combined with each fittings ability to accommodate a wide variety of pipe sizes makes the UPE MultiDiameter fitting a versatile and economical product to use.

Benefits

- Available in a range of stepped and equal couplings and flange adaptors from 32mm - 800mm (1 1/2" - 32")
- A wide tolerance of up to 43mm means extreme versatility of fitment
- Wide tolerances allow for reduced stock holdings
- Quick and efficient installation without disassembly or any loose components
- Suits all common rigid pipe materials
- Prolonged life of fitting due to the high quality corrosion protective coating used

Technical data

Pressures	Working	Test
Water:	16 bar	24 bar
Gas:	7 bar	11 bar

Higher pressure options are available on request. For further details please contact our customer service department at the telephone number shown on the closing page.

Temperature: -20°C to +80°C at PN 16

Higher temperatures will affect the installed life of the product. For further information relating to higher operating temperatures please contact our customer service department.

Sizes: 40mm - 845mm

Flange type: PN 10/16
ANSI 150 (Available on request)

Max angular deflection: +/- 5°

Material:

Body: Ductile Iron

Gland Rings: Ductile Iron

Coating:

Blue Epoxy (UNE 4802980) (Alternative coatings available on request)

Fasteners:

Bolts & Nuts: Grade 8.8. Dichromate
Zinc Plated with
Cathaphoretic Coating.

Sealing Gaskets: Water EPDM (EN 681)
Gas Nitrile EN 682

Technical help

For further product specifications, technical data and general information please contact the Customer Service Team on the telephone number shown on the closing page of this data sheet.

Safety

As with all industrial products it is important to take adequate safety precautions such as the use of adequate protective clothing like gloves, overalls, eye protection and safety footwear during use, maintenance and installation.

General application

Tolerances between the minimum and maximum sizes of each fitting vary between 35 and 43mm. This wide range makes the UPE MultiDiameter product exceedingly versatile and particularly suitable for connecting pipes of different rigid materials such as Asbestos cement, PVC or Cast Iron.

Flange adaptor dimensions are to DIN 28605 and the inner diameter of the body coincides with the nominal diameter of the flange adaptor so providing a stop.

MultiDiameter flange adaptors can be used in conjunction with any type of flanged valve including butterfly and gate valves. All fittings are WRAS listed for below and above ground use with the exception of recent additions which have been submitted but not yet tested.



Mains Connections - MultiDiameter

Wide tolerance couplings and Flange Adaptors

Product Selection Guide - Couplings - 300mm to 800mm Nominal Bore

Nominal Size	Repair Pipe Material	Coupling Range	Existing Pipe Material
12"/300mm	Ductile Iron, Steel, Metric & Imperial PVC	310 - 350mm	Cast Iron (AB & CD), Ductile Iron, Steel, Metric & Imperial PVC, GRP, Asbestos Cement (Metric class 15, 20 & Imperial)
Alternative	Ductile Iron, Steel, Metric & Imperial PVC 350mm Ductile Iron, Steel, Metric & Imperial PVC	310 - 350/350 - 390mm 350 - 390mm	Asbestos Cement (Metric class 25) Asbestos Cement (Metric class 25)
14"/350mm	Ductile Iron, Steel, Metric & Imperial PVC	350 - 390mm	Cast Iron (AB), Ductile Iron, Steel, Metric & Imperial PVC, GRP
Alternative	Ductile Iron, Steel, Metric & Imperial PVC 400mm Ductile Iron, Steel, Metric & Imperial PVC	350 - 390/395 - 435mm 395 - 435mm	Asbestos Cement (Metric class 15, 20, 25 & Imperial), Cast Iron (CD) Asbestos Cement (Metric class 15, 20, 25 & Imperial), Cast Iron (CD)
15"/375mm	400mm Ductile Iron, Steel, Metric & Imperial PVC	395 - 435	Cast Iron (AB & CD)
16"/400mm	Ductile Iron, Steel, Metric & Imperial PVC	395 - 435mm	Ductile Iron, Steel, Metric & Imperial PVC, GRP
	Ductile Iron, Steel, Metric & Imperial PVC	395 - 435/435 - 470mm	Cast Iron (AB & CD), Asbestos Cement (Metric class 15, 20 & Imperial)
	Ductile Iron, Steel, Metric & Imperial PVC	395 - 435/470 - 505mm	Asbestos Cement (Metric class 25)
Alternative	450mm Ductile Iron, 500mm Steel, Metric & Imperial PVC	470 - 505mm	Asbestos Cement (Metric class 25)
18"/450mm	Ductile Iron, GRP, 500mm Metric PVC	435 - 470/470 - 505mm	Steel, Metric & Imperial PVC
Alternative	Steel, Imperial PVC	435 - 470mm	Steel, Metric & Imperial PVC
	Ductile Iron, GRP, 500mm Metric PVC	470 - 505mm	Cast Iron (AB), GRP, Ductile Iron, Asbestos Cement (Metric class 15)
	Ductile Iron, GRP	470 - 505/505 - 540mm	Cast Iron (CD), Asbestos Cement (Metric class 20, 25 & Imperial)
Alternative	500mm Ductile Iron, Steel, Imperial PVC, GRP	505 - 540mm	Cast Iron (CD), Asbestos Cement (Metric class 20, 25 & Imperial)
20"/500mm	450mm Ductile Iron, Metric PVC, GRP	470 - 505mm	Metric PVC
Alternative	Ductile Iron, GRP	470 - 505/505 - 540mm	Metric PVC
	Ductile Iron, Steel, Imperial PVC, GRP	505 - 540mm	Ductile Iron, Steel, Imperial PVC, GRP
	Ductile Iron, Steel, GRP, Imperial PVC, Metric PVC	505 - 540/540 - 575mm	Cast Iron (AB & CD), 560mm Metric PVC,
	Ductile Iron, Steel, GRP, Imperial PVC,	540 - 575	Asbestos Cement (Metric class 15 & Imperial)
	Ductile Iron, Steel, GRP, Imperial PVC,	505 - 540/575 - 610mm	Asbestos Cement (Metric class 20 & 25)
21"/525mm	600mm Ductile Iron, Steel, Metric & Imperial PVC, GRP	540 - 575/610 - 645mm	Cast Iron (AB)
Alternative	500mm Ductile Iron, Steel, Imperial PVC, GRP	505 - 540/540 - 575mm	Cast Iron (AB)
	600mm Ductile Iron, Steel, Metric & Imperial PVC, GRP	575 - 610/610 - 645mm	Cast Iron (CD)
Alternative	500mm Ductile Iron, Steel, Imperial PVC, GRP	505 - 540/575 - 610mm	Cast Iron (CD)
22"/550mm	600mm Ductile Iron, Steel, Metric & Imperial PVC, GRP	575 - 610/610 - 645mm	Cast Iron (AB), Steel, Imperial PVC
Alternative	500mm Ductile Iron, Steel, Imperial PVC, GRP	505 - 540/575 - 610mm	Cast Iron (AB), Steel, Imperial PVC
	600mm Ductile Iron, Steel, Metric & Imperial PVC, GRP	610 - 645mm	Cast Iron (CD), Asbestos Cement (Imperial)
24"/600mm	Ductile Iron, Steel, Metric & Imperial PVC, GRP	610 - 645mm	Ductile Iron, Steel, Metric & Imperial PVC, GRP
	Ductile Iron, Steel, Metric & Imperial PVC, GRP	610 - 645/645 - 680mm	Cast Iron (AB & CD), Asbestos Cement (Metric class 15 & 20 & Imperial)
	Ductile Iron, Steel, Metric & Imperial PVC, GRP	610 - 645/680 - 715mm	Asbestos Cement (Metric class 25)
26"/650mm	700mm Steel, Ductile Iron, GRP	645 - 680/710 - 745mm	Steel
	700mm Steel, Ductile Iron, GRP	680 - 715/710 - 745mm	Cast Iron (AB)
	700mm Steel, Ductile Iron, GRP	710 - 745mm	Cast Iron (CD)
27"/675mm	700mm Steel, Ductile Iron, GRP	710 - 745mm	Cast Iron (AB)
	-	See Note 4	Cast Iron (CD)
28"/700mm	Steel, Ductile Iron, GRP	710 - 745mm	Steel, Ductile Iron, GRP
	-	See Note 4	Cast Iron (AB & CD), All Asbestos Cement
30"/750mm	800mm Steel, Ductile Iron, GRP	810 - 845mm	Cast Iron (CD), Asbestos Cement (Metric Class 20 & Imperial)
		See Note 4	Cast Iron (AB), Steel
32"/800mm	Steel, Ductile Iron, GRP	810 - 845mm	Steel, Ductile Iron, GRP
	-	See Note 4	Cast Iron (AB & CD), All Asbestos Cement

All the above product can be supplied from stock

Notes

- 1 In general the repair product shown will increase the pipe bore.
- 2 For mid-barrel asbestos cement please confirm the pipe OD before fitting selection.
- 3 Please check the suitability of thin walled stainless steel, GRP and modified PVC before selection.
- 4 UPE suggest the use of the UPE Engineered Large Diameter fitting.



- **A wide tolerance of up to 43mm means extreme versatility of fitment**

The wide tolerance of the UPE MultiDiameter coupling or flange adaptor allows a very limited number of fittings to connect onto the majority of pipe sizes and materials available this reduces stock holding and increases the flexibility of supply.

- **Available in a range of equal and stepped couplings from 30 - 800mm (1½" - 32") pipe nominal to suit all common rigid pipe materials**

The flexibility created by its extensive tolerance allows the UPE MultiDiameter fitting to connect rigid plain ended pipe of the same or different outside diameter in any combination.

- **Quick and efficient installation without disassembly or any loose components**

There is no need to disassemble the fitting prior to fitment. product is pre assembled before delivery allowing easy, quick and efficient installation.

- **Independent clamping on gasket seals**

The independent clamping on each gasket seal limits the travel of fasteners during fitment allowing the use of standard sockets and torque wrenches.

Mains Connections - MultiDiameter

Wide tolerance couplings and Flange Adaptors

Product Selection Guide - Flange Adaptors 300mm - 800mm Nominal Bore Flange Drilling PN 10/16to 800mm Nominal Bore

Nominal Size	Existing Pipe Material	Coupling Range	Nominal Flange Size
12"/300mm	Cast Iron (AB & CD), Ductile Iron, Steel, Metric & Imperial, PVC, GRP, Asbestos Cement (Metric class 15, 20 & Imperial), Asbestos Cement (Metric class 25)	310 - 350mm 350 - 390mm	300mm 300mm
14"/350mm	Cast Iron (AB), Ductile Iron, Steel, Metric & Imperial, PVC, GRP, Asbestos Cement (Metric class 15, 20, 25 & Imperial), Cast Iron (CD)	350 - 390mm 395 - 435mm	350mm 350mm
15"/375mm	Cast Iron (AB & CD)	400 - 435mm	400mm
16"/400mm	Ductile Iron, Steel, Metric & Imperial, PVC, GRP, Cast Iron (AB & CD), Asbestos Cement (Metric class 15, 20 & Imperial), Asbestos Cement (Metric class 25)	400 - 435mm 435 - 470mm 470 - 505mm	400mm 400mm 400mm
18"/450mm	Metric PVC, Steel, Imperial PVC, GRP, Ductile Iron, Cast Iron (AB & CD), Asbestos Cement (Metric class 15, 20 & Imperial), Asbestos Cement (Metric class 25)	435 - 470mm 455 - 490mm 490 - 525mm	400mm 450mm 450mm
20"/500mm	Metric PVC, Steel, Imperial PVC, GRP, Ductile Iron, Cast Iron (AB & CD), Metric PVC, Asbestos Cement (Metric class 15 & Imperial), Asbestos Cement (Metric class 20 & 25)	490 - 525mm 505 - 540mm 470 - 505mm 575 - 610mm	450mm 500mm 500mm 500mm
21"/525mm	Cast Iron (AB), Cast Iron (CD)	540 - 575mm 575 - 610mm	500mm 500mm
22"/550mm	Cast Iron (AB), Steel, Imperial PVC, Cast Iron (CD), Asbestos Cement (Imperial)	575 - 610mm 610 - 645mm	500mm 600mm
24"/600mm	Ductile Iron, Steel, Metric & Imperial, PVC, GRP, Cast Iron (AB & CD), Asbestos Cement (Metric class 15 & 20 & Imperial), Asbestos Cement (Metric class 25)	610 - 645mm 645 - 680mm 680 - 715mm	600mm 600mm 600mm
26"/650mm	Steel, Cast Iron (AB), Cast Iron (CD)	645 - 680mm 680 - 715mm 710 - 745mm	600mm 600mm 700mm
27"/675mm	Cast Iron (AB), Cast Iron (CD)	710 - 745mm See Note 4	700mm -
28"/700mm	Steel, Ductile Iron, GRP, Cast Iron (CD), All Asbestos Cement	710 - 745mm See Note 4	700mm -
30"/750mm	Cast Iron (CD), Asbestos Cement (Metric Class 20 & Imperial), Cast Iron (AB), Steel	810 - 845mm See Note 4	800mm -
32"/800mm	Steel, Ductile Iron, GRP, Cast Iron (CD), All Asbestos Cement	810 - 845mm See Note 4	800mm -

All the above product can be supplied from stock

Notes

- Where possible the product offered above uses the same pipe and flange nominal size. Other flange sizes can be selected if the pipe OD suits the working range of the fitting.
- For mid-barrel asbestos cement please confirm the pipe OD before selection.
- Please check the suitability of thin walled stainless steel, GRP and modified PVC before selection.
- UPE suggest the use of the UPE Engineered Large Diameter fitting.



Fasteners, Gaskets and Flange Gasket Sets

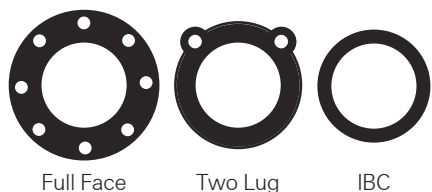
To compliment the MultiDiameter flange adaptor, UPE can supply a full range of flange gaskets, fasteners and flange gasket sets. UPE offer three types of gasket as standard, full face, two lug and IBC gaskets. Other special gaskets can be supplied to exact customer requirements. All gaskets are supplied in either EPDM or Nitrile rubber for gas or water applications to a thickness of 3mm. All the gaskets supplied are fully approved for contact with potable water or gas. For pressures exceeding NP25 a 'ceramic' gasket can also be supplied.



UPE offer complete flange gasket sets consisting of a gasket and the appropriate number of bolt sets for the size of flange. These flange gasket sets are supplied bagged and clearly labeled enabling the correct gasket with the correct number of bolts, nuts and washers to be selected every time a connection is to be made.



Bolts and nuts are supplied grade 4.6 as standard but with the option of alternative grades on request. Prior to coating with Rilsan Nylon 11, all bolts, nuts and washers are Zinc plated to ZN2 with yellow passivation. Rilsan Nylon 11 is applied in accordance with WIS 4:52:03 and is fully tested to ensure a consistent standard of quality. Each nut, bolt and washer is fully coated. Bolts are passed through the coating procedure twice to ensure that the thread tips are coated.



Mains Connections - MultiDiameter

Wide tolerance couplings and Flange Adaptors

Range - Couplings (Straight)

Tolerance range	Bolt length	No. of bolts	Weight (kg)
40 - 75mm	M14 x 80mm	3/3	8.5
60 - 95mm	M14 x 80mm	4/4	7.9
80 - 115mm	M14 x 80mm	4/4	10.5
105 - 135mm	M14 x 80mm	4/4	12.0
130 - 165mm	M14 x 100mm	4/4	15.7
155 - 195mm	M14 x 100mm	4/4	18.2
190 - 230mm	M14 x 100mm	4/4	20.5
215 - 258mm	M14 x 100mm	6/6	22.7
240 - 280mm	M16 x 100mm	6/6	27.2
235 - 275mm	M16 x 100mm	6/6	26.1
270 - 310mm	M16 x 100mm	6/6	29.3
310 - 350mm	M16 x 100mm	6/6	32.9
350 - 390mm	M16 x 100mm	6/6	36.1
395 - 435mm	M16 x 100mm	6/6	39.1
435 - 470mm	M16 x 100mm	6/6	42.4
470 - 505mm	M16 x 100mm	6/6	45.2
505 - 540mm	M16 x 100mm	10/10	50.2
540 - 575mm	M16 x 100mm	10/10	70.5
575 - 610mm	M16 x 100mm	10/10	73.6
610 - 645mm	M16 x 100mm	10/10	57.8
645 - 680mm	M16 x 100mm	10/10	81.6
680 - 715mm	M16 x 100mm	10/10	82.0
710 - 745mm	M16 x 100mm	12/12	85.6
810 - 845mm	M16 x 100mm	12/12	94.6

Notes

The 41 items shown in bold on this page are all available from stock. These items provide total coverage for all repairs and with any pipe material from 300mm - 800mm nominal bore.

The remaining items are available to order but may be on longer manufacturing lead times. For further information on lead times please contact the UPE customer services team on the telephone number shown on the back of this data sheet.



Range - Flange Adaptors

Nominal Bore	Tolerance range	Bolt length	No. of bolts	Weight (kg)
50mm	40 - 75mm	M14 x 80mm	3	7.7
60/65mm	60 - 95mm	M14 x 80mm	4	9.3
80mm	80 - 115mm	M14 x 80mm	4	12.9
100mm	105 - 135mm	M14 x 80mm	4	15.4
125mm	130 - 165mm	M14 x 100mm	4	19.5
150mm	155 - 195mm	M14 x 100mm	4	23.8
175mm	190 - 230mm	M14 x 100mm	4	28.3
200mm	215 - 258mm	M14 x 100mm	6	30.9
225mm	240 - 280mm	M16 x 100mm	6	37.6
250mm	235 - 275mm	M16 x 100mm	6	39.0
250mm	270 - 310mm	M16 x 100mm	6	42.0
300mm	310 - 350mm	M16 x 100mm	6	49.5
300mm	350 - 390mm	M16 x 100mm	6	55.2
350mm	350 - 390mm	M16 x 100mm	6	58.4
350mm	395 - 435mm	M16 x 100mm	6	65.5
400mm	400 - 435mm	M16 x 100mm	6	69.4
400mm	435 - 470mm	M16 x 100mm	6	76.1
400mm	470 - 505mm	M16 x 100mm	6	80.7
450mm	455 - 490mm	M16 x 100mm	6	79.9
450mm	490 - 525mm	M16 x 100mm	6	83.2
500mm	505 - 540mm	M16 x 100mm	10	81.8
500mm	540 - 575mm	M16 x 100mm	10	89.8
500mm	575 - 610mm	M16 x 100mm	10	93.6
600mm	610 - 645mm	M16 x 100mm	10	102.3
600mm	645 - 680mm	M16 x 100mm	10	113.9
600mm	680 - 715mm	M16 x 100mm	10	116.8
700mm	710 - 745mm	M16 x 100mm	12	85.2
800mm	810 - 845mm	M16 x 100mm	12	98.8

Range - Couplings (Stepped)

Tolerance range	Bolt length	No. of bolts	Weight (kg)
40 - 75mm x 60 - 95mm	M14 x 80mm	3/4	10.0
40 - 75mm x 80 - 115mm	M14 x 80mm	3/4	10.9
40 - 75mm x 105 - 135mm	M14 x 80mm	3/4	11.7
40 - 75mm x 130 - 165mm	M14 x 80mm	3/4	13.5
60 - 95mm x 80 - 115mm	M14 x 80mm	4/4	12.6
60 - 95mm x 105 - 135mm	M14 x 80mm	4/4	13.3
60 - 95mm x 130 - 165mm	M14 x 80mm/100mm	4/4	15.3
60 - 95mm x 155 - 195mm	M14 x 80mm/100mm	4/4	16.9
80 - 115mm x 105 - 135mm	M14 x 80mm/100mm	4/4	14.2
80 - 115mm x 130 - 165mm	M14 x 80mm/100mm	4/4	16.3
80 - 115mm x 150 - 195mm	M14 x 80mm/100mm	4/4	17.7
80 - 115mm x 190 - 230mm	M14 x 80mm/100mm	4/4	19.2
105 - 135mm x 130 - 165mm	M14 x 80mm/100mm	4/4	17.0
105 - 135mm x 155 - 195mm	M14 x 80mm/100mm	4/4	18.4
105 - 135mm x 190 - 230mm	M14 x 80mm/100mm	4/4	20.0
105 - 135mm x 215 - 258mm	M14 x 80mm/100mm	4/6	22.0
130 - 165mm x 155 - 195mm	M14 x 100mm	4/4	19.4
130 - 165mm x 190 - 230mm	M14 x 100mm	4/4	20.9
130 - 165mm x 215 - 258mm	M14 x 100mm	4/6	23.0
130 - 165mm x 240 - 280mm	M14/16 x 100mm	4/6	24.2
155 - 195mm x 190 - 230mm	M14 x 100mm	4/4	22.3
155 - 195mm x 215 - 258mm	M14 x 100mm	4/6	23.9
155 - 195mm x 240 - 280mm	M14/16 x 100mm	4/6	25.9
155 - 195mm x 270 - 310mm	M14/16 x 100mm	4/6	27.3
190 - 230mm x 215 - 258mm	M14 x 100mm	4/6	26.5
190 - 230mm x 240 - 280mm	M14/16 x 100mm	4/6	28.8
190 - 230mm x 270 - 310mm	M14/16 x 100mm	4/6	30.4
190 - 230mm x 310 - 350mm	M14/16 x 100mm	4/6	33.9
215 - 258mm x 240 - 280mm	M14/16 x 100mm	6/6	30.2
215 - 258mm x 270 - 310mm	M14/16 x 100mm	6/6	31.8
215 - 258mm x 310 - 350mm	M14/16 x 100mm	6/6	35.3
215 - 258mm x 350 - 390mm	M14/16 x 100mm	6/6	37.9
240 - 280mm x 270 - 310mm	M16 x 100mm	6/6	33.3
240 - 280mm x 310 - 350mm	M16 x 100mm	6/6	35.8
240 - 280mm x 350 - 390mm	M16 x 100mm	6/6	38.4
240 - 280mm x 395 - 435mm	M16 x 100mm	6/6	41.3
270 - 310mm x 310 - 350mm	M16 x 100mm	6/6	36.2
270 - 310mm x 350 - 390mm	M16 x 100mm	6/6	38.8
270 - 310mm x 395 - 435mm	M16 x 100mm	6/6	41.8
270 - 310mm x 435 - 470mm	M16 x 100mm	6/6	44.1
310 - 350mm x 350 - 390mm	M16 x 100mm	6/6	40.6
310 - 350mm x 395 - 435mm	M16 x 100mm	6/6	43.6
310 - 350mm x 435 - 470mm	M16 x 100mm	6/6	45.9
310 - 350mm x 470 - 505mm	M16 x 100mm	6/6	48.4
350 - 390mm x 395 - 435mm	M16 x 100mm	6/6	44.7
350 - 390mm x 435 - 470mm	M16 x 100mm	6/6	47.1
350 - 390mm x 470 - 505mm	M16 x 100mm	6/6	49.6
350 - 390mm x 505 - 540mm	M16 x 100mm	6/10	53.5
395 - 435mm x 435 - 470mm	M16 x 100mm	6/6	47.6
395 - 435mm x 470 - 505mm	M16 x 100mm	6/6	50.1
395 - 435mm x 505 - 540mm	M16 x 100mm	6/10	54.0
395 - 435mm x 540 - 575mm	M16 x 100mm	6/10	55.3
395 - 435mm x 575 - 610mm	M16 x 100mm	6/10	58.0
435 - 470mm x 470 - 505mm	M16 x 100mm	6/6	50.9
435 - 470mm x 505 - 540mm	M16 x 100mm	6/10	54.8
435 - 470mm x 540 - 575mm	M16 x 100mm	6/10	56.1
435 - 470mm x 575 - 610mm	M16 x 100mm	6/10	58.8
435 - 470mm x 610 - 645mm	M16 x 100mm	6/10	63.0
470 - 505mm x 505 - 540mm	M16 x 100mm	6/10	55.6
470 - 505mm x 540 - 575mm	M16 x 100mm	6/10	56.9
470 - 505mm x 575 - 610mm	M16 x 100mm	6/10	59.8
470 - 505mm x 610 - 645mm	M16 x 100mm	6/10	63.8
505 - 540mm x 540 - 575mm	M16 x 100mm	10/10	59.4
505 - 540mm x 575 - 610mm	M16 x 100mm	10/10	62.2
505 - 540mm x 610 - 645mm	M16 x 100mm	10/10	66.4
505 - 540mm x 645 - 680mm	M16 x 100mm	10/10	68.6
540 - 575mm x 575 - 610mm	M16 x 100mm	10/10	68.1
540 - 575mm x 610 - 645mm	M16 x 100mm	10/10	72.1
540 - 575mm x 645 - 680mm	M16 x 100mm	10/10	74.8
540 - 575mm x 680 - 715mm	M16 x 100mm	10/10	77.1
575 - 610mm x 610 - 645mm	M16 x 100mm	10/10	73.0
575 - 610mm x 645 - 680mm	M16 x 100mm	10/10	74.7
575 - 610mm x 680 - 715mm	M16 x 100mm	10/10	76.7
575 - 610mm x 710 - 745mm	M16 x 100mm	10/12	79.2
610 - 645mm x 645 - 680mm	M16 x 100mm	10/10	76.7
610 - 645mm x 680 - 715mm	M16 x 100mm	10/10	78.0
610 - 645mm x 710 - 745mm	M16 x 100mm	10/12	81.0
610 - 645mm x 810 - 845mm	M16 x 100mm	10/12	91.8
645 - 680mm x 680 - 715mm	M16 x 100mm	10/10	78.1
645 - 680mm x 710 - 745mm	M16 x 100mm	10/12	80.9
645 - 680mm x 810 - 845mm	M16 x 100mm	10/12	91.6
680 - 715mm x 710 - 745mm	M16 x 100mm	10/12	80.4
680 - 715mm x 810 - 845mm	M16 x 100mm	10/12	88.5
710 - 745mm x 810 - 845mm	M16 x 100mm	12/12	89.9

Mains Connections - MultiDiameter

Wide tolerance couplings and Flange Adaptors

Installation Instructions

All UPE fittings are supplied ready assembled allowing for efficient installation on site.

Couplings

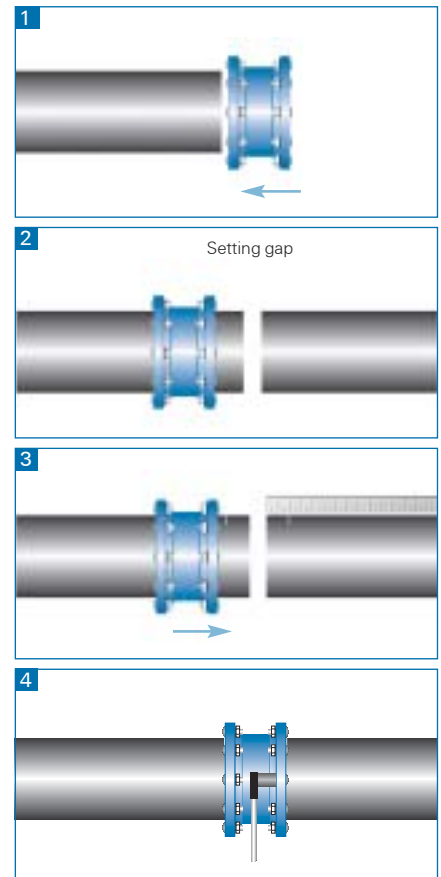
Preparation

Select the correct type and size of fitting for the situation and ensure that the pipe to be connected to is clean, round, free from deep scratches, scores or general imperfections that may prevent an effective seal. Also ensure that the relative angle of the two pipes conforms to suggested maximum for couplings of $\pm 5^\circ$.



Assembly

- 1 Slide the fitting over one of the pipes to be connected
- 2 Line up the other pipe end (ensuring that a setting gap of approximately 18mm is maintained).
- 3 Mark the pipe to ensure accurate location of the fitting over the setting gap.
- 4 Locate the fitting using the marks and, to ensure an even fit, tighten the fasteners in a diametrically opposed sequence to a torque of:
M14: 68 - 81Nm (50 - 60lb.ft)
M16: 95 - 108Nm (70 - 80lb.ft)



NB

UPE MultiDiameter couplings and flange adaptors are not fully end load restrained, please ensure adequate restraint is provided. These fittings are not suitable for use on PE pipe.

Flange Adaptors

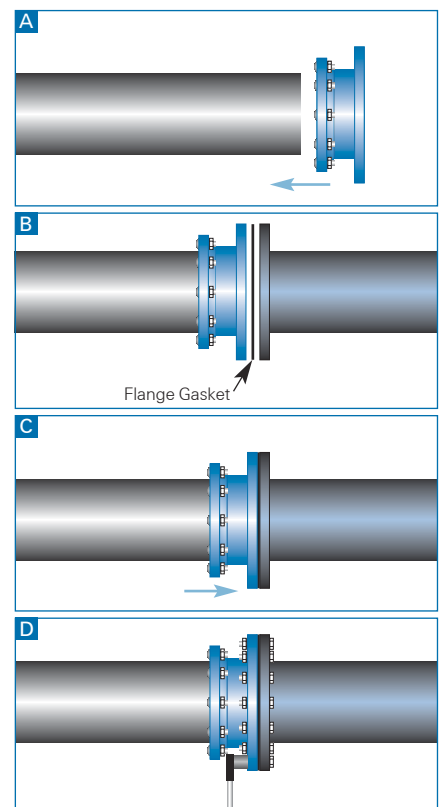
Preparation

Select the correct type and size of fitting for the situation and ensure that the pipe to be connected to is clean, round, free from deep scratches, scores or general imperfections that may prevent an effective seal. Also ensure that the relative angle of the pipe to the flange conforms to suggested maximum for flange adaptors of $\pm 5^\circ$.



Assembly

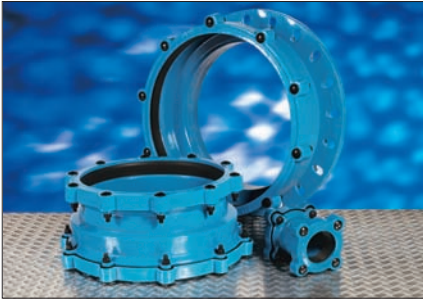
- A Slide the fitting over the plain ended pipe to be connected
- B Line up the pipe end with the flanged pipe and insert a suitable gasket between the mating flanges (ensure that a setting gap of approximately 18mm is maintained)
- C Bolt the flanges together ensuring the gasket remains in place
- D Tighten the flange adaptor retaining fasteners in a diametrically opposed sequence to a torque of:
M14: 68 - 81Nm (50 - 60lb.ft)
M16: 95 - 108Nm (70 - 80lb.ft)



Associated Products



The UPE Universal range of wide tolerance couplings, stepped couplings, flange adaptors and end caps can be used on almost any plain-ended rigid pipe material from 40mm to 300mm pipe nominals. This flexibility combined with each fittings ability to accommodate a wide variety of pipe sizes makes the UPE Universal fitting a versatile and economical product to use.



The UPE MultiDiameter range of wide tolerance couplings and flange adaptors can be used for almost any plain-ended rigid pipe material from 32mm to 800mm pipe nominals.

This flexibility combined with each fittings ability to accommodate a wide variety of pipe sizes makes the UPE MultiDiameter fitting a versatile and economical product to use.



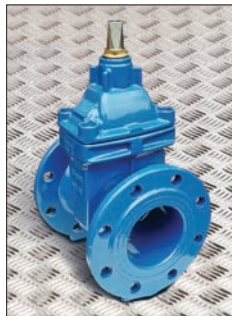
The UPE Dismantling Joint offers benefits for planning, installation and maintenance of all flanged fittings and flanged pipework with a nominal bore of up to 2,200mm.

The Dismantling Joint offers a longitudinal adjustment by way of the flanged spigot fitted within a flange adaptor body. Once installed to the required length, the UPE Dismantling Joint offers a fully end load resistant connection.



The UPE Converter Slide Valve is an effective, full bore construction valve that will allow underpressure drilling operations to be performed on either water distribution systems under pressures of up to 10 bar or gas distribution systems under pressures of up to 7 bar.

Optimum space and weight savings have been made in the valve's design so providing a robust valve that is simple to install and use.



The Soft Sealing, Resilient Seated Gate Valve is manufactured to BS 5163 and EN1074 and is one of the lightest valves of its class on the market today. It has been specifically designed and developed with ease of use and length of installed service life in mind. Selection of robust, quality materials combined with engineering experience has enabled the development of a valve that solves many of the problems encountered when installing, operating and servicing gate valves.