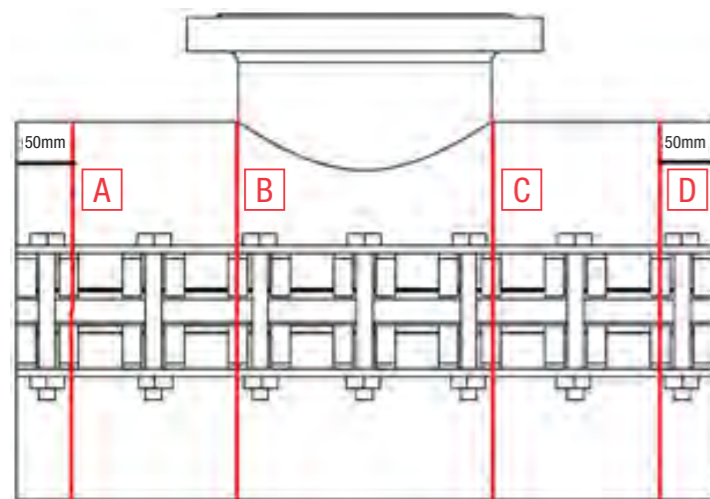
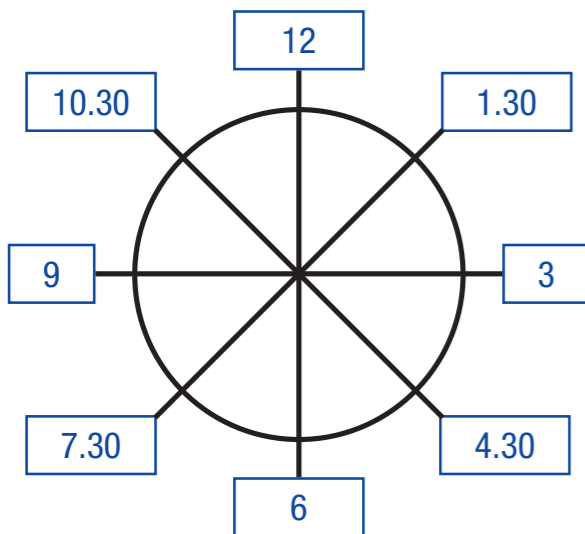


PIPE MEASURING FORM FOR UNDER PRESSURE TEES

Available to download from the website on the relevant product pages

| | | | |
|----------|--|---------------|--|
| Customer | | Email | |
| Contact | | AVK Reference | |
| Mobile | | Date | |



It is important that calipering of the pipe diameter is done accurately and consistently to ensure that products supplied will fit correctly. Please use the following guidance to record and inform AVK UK of the measurements. If a dimension cannot be measured accurately in the position defined below please mark the cell X in the table blank.

Prior to calipering, ensure the pipe surface is thoroughly cleaned. Caliper the pipe diameter in 4 positions around the circumference and in four positions longitudinally according to the diagrams adjacent. Then measure the circumference in the same positions using a Pi tape. Record the information below and send to the appropriate AVK UK address detailed below.

Note: A tee length is typically a minimum of 3 times the branch diameter. Please check our website for accurate dimensions.

www.avkuk.co.uk

24/7 EMERGENCY LINE FOR GAS AND WATER FITTINGS 0800 202 8228

| POSITION | A | B | C | D |
|---------------|---|---|---|---|
| 12-6 | | | | |
| 1.30-7.30 | | | | |
| 3-9 | | | | |
| 4.30-10.30 | | | | |
| Circumference | | | | |

Note: Product information is correct at time of printing

DON'T GET CAUGHT OUT, BE PREPARED

Contact: **Gas Sales:** +44 (0) 1246 479100 **Water Sales:** +44 (0) 1604 601188

24/7 EMERGENCY

SAME DAY LEAK REPAIR FITTINGS SERVICE FOR GAS AND WATER MAINS

0800 202 8228

- Sizes available DN50 to 1200+ (2" to 48") - Please state single or double band.
- Single band clamps DN50 to 450, multi band clamps DN80 to 1200+.

Please have the following information available:

- Medium: water or gas
- Pipe diameter (callipered).
- Length of clamp in increments of 150mm (6").
- Pipe material (if possible).
- Working pressure of main.
- Extent of ovality (if possible).
- For clamps DN50 to 450 (2" to 18"). Please state single or double band.
- Contact name and number.
- Delivery address and post code.
- An order number and/or ability to send a written order confirmation (electronic, fax, text).

For fittings and other AVK products on standard service offer contact:

Gas Sales: +44 (0) 1246 479100

Water Sales: +44 (0) 1604 601188



FLANGE TABLE

| Flange tables | Nominal bore | O/D of Flange | | No of Bolts | Dia of Bolts | | Dia of Holes | | PC Dia of Holes | |
|---------------|--------------|---------------|-----|-------------|--------------|--------|--------------|---------|-----------------|----|
| | | inch | mm | | inch | mm | inch | mm | inch | mm |
| B.S.'D' | 2"/50mm | 6" | 152 | 4 | 5/8" | 3/4" | 19 | 4.1/2" | 113 | |
| B.S.'E' | 2"/50mm | 6" | 152 | 4 | 5/8" | 3/4" | 19 | 4.1/2" | 113 | |
| PN10 | 2"/50mm | 6.1/2" | 165 | 4 | M16 | 3/4" | 18 | 5" | 125 | |
| PN16 | 2"/50mm | 6.1/2" | 165 | 4 | M16 | 3/4" | 18 | 5" | 125 | |
| ANSI 150 | 2"/50mm | 6" | 152 | 4 | 5/8" | 3/4" | 19 | 4.3/4" | 119 | |
| ANSI 300 | 2"/50mm | 6.1/2" | 165 | 8 | 5/8" | 3/4" | 19 | 5" | 125 | |
| B.S.'D' | 3"/80mm | 7.1/4" | 184 | 4 | 5/8" | 3/4" | 19 | 5.3/4" | 144 | |
| B.S.'E' | 3"/80mm | 7.1/4" | 184 | 4 | 5/8" | 3/4" | 19 | 5.3/4" | 144 | |
| PN10 | 3"/80mm | 7.7/8" | 200 | 8 | M16 | 3/4" | 17 | 6.1/2" | 159 | |
| PN16 | 3"/80mm | 7.7/8" | 200 | 8 | M16 | 3/4" | 18 | 6.1/2" | 160 | |
| ANSI 150 | 3"/80mm | 7.1/2" | 191 | 4 | 5/8" | 3/4" | 19 | 6" | 150 | |
| ANSI 300 | 3"/80mm | 8.1/4" | 210 | 8 | 3/4" | 7/8" | 22 | 6.5/8" | 166 | |
| B.S.'D' | 4"/100mm | 8.1/2" | 216 | 4 | 5/8" | 3/4" | 19 | 7" | 175 | |
| B.S.'E' | 4"/100mm | 8.1/2" | 216 | 8 | 5/8" | 3/4" | 19 | 7" | 175 | |
| PN10 | 4"/100mm | 8.4/5" | 220 | 8 | M16 | 3/4" | 17 | 7" | 179 | |
| PN16 | 4"/100mm | 8.4/5" | 220 | 8 | M16 | 3/4" | 18 | 7" | 180 | |
| ANSI 150 | 4"/100mm | 9" | 229 | 8 | 5/8" | 3/4" | 19 | 7.1/2" | 188 | |
| ANSI 300 | 4"/100mm | 10" | 254 | 8 | 3/4" | 7/8" | 22 | 7.7/8" | 197 | |
| B.S.'D' | 6"/150mm | 11" | 280 | 8 | 5/8" | 3/4" | 19 | 9.1/4" | 231 | |
| B.S.'E' | 6"/150mm | 11" | 280 | 8 | 3/4" | 7/8" | 22 | 9.1/4" | 231 | |
| PN10 | 6"/150mm | 11.3/5" | 285 | 8 | M20 | 7/8" | 21 | 9.1/2" | 239 | |
| PN16 | 6"/150mm | 11.3/5" | 285 | 8 | M20 | 7/8" | 22 | 9.1/2" | 240 | |
| ANSI 150 | 6"/150mm | 11" | 279 | 8 | 3/4" | 7/8" | 22 | 9.1/2" | 238 | |
| ANSI 300 | 6"/150mm | 12.1/2" | 318 | 12 | 3/4" | 7/8" | 22 | 10.5/8" | 266 | |
| B.S.'D' | 8"/200mm | 13.1/4" | 336 | 8 | 5/8" | 3/4" | 20 | 11.1/2" | 288 | |
| B.S.'E' | 8"/200mm | 13.1/4" | 336 | 8 | 3/4" | 7/8" | 22 | 11.1/2" | 288 | |
| PN 10 | 8"/200mm | 13.3/5" | 340 | 8 | M20 | 7/8" | 21 | 11.1/2" | 294 | |
| PN16 | 8"/200mm | 13.3/5" | 340 | 12 | M20 | 7/8" | 22 | 11.1/2" | 295 | |
| ANSI 150 | 8"/200mm | 13.1/2" | 343 | 8 | 3/4" | 7/8" | 22 | 13.1/2" | 338 | |
| ANSI 300 | 8"/200mm | 15" | 381 | 12 | 7/8" | 1" | 25 | 15" | 375 | |
| B.S.'D' | 10"/250mm | 16" | 406 | 8 | 3/4" | 7/8" | 22 | 14 | 350 | |
| B.S.'E' | 10"/250mm | 16" | 406 | 12 | 3/4" | 7/8" | 22 | 14 | 350 | |
| PN 10 | 10"/250mm | 16.1/5" | 395 | 12 | M20 | 7/8" | 22 | 14 | 350 | |
| PN16 | 10"/250mm | 16.1/5" | 405 | 12 | M24 | 1" | 26 | 14.3/4" | 355 | |
| ANSI 150 | 10"/250mm | 16" | 406 | 12 | 7/8" | 1.1/8" | 25 | 14.3/4" | 361 | |
| ANSI 300 | 10"/250mm | 17.1/2" | 445 | 16 | 1" | 1.1/8" | 28 | 15.1/4" | 381 | |
| B.S.'D' | 12"/300mm | 18" | 457 | 12 | 3/4" | 7/8" | 25 | 16" | 400 | |
| B.S.'E' | 12"/300mm | 18" | 457 | 12 | 7/8" | 1" | 26 | 16" | 400 | |
| PN 10 | 12"/300mm | 18.1/5" | 445 | 12 | M20 | 7/8" | 22 | 16" | 400 | |
| PN16 | 12"/300mm | 18.3/5" | 460 | 12 | M24 | 1" | 26 | 16.1/2" | 410 | |
| ANSI 150 | 12"/300mm | 19" | 483 | 12 | 3/4" | 1" | 25 | 17" | 425 | |
| ANSI 300 | 12"/300mm | 20.1/2" | 521 | 16 | 1.1/8" | 1.1/4" | 31 | 17.3/4" | 444 | |
| B.S.'D' | 14"/350mm | 20.3/4" | 525 | 12 | 7/8" | 1" | 25 | 18.1/2" | 463 | |

| Flange tables | Nominal bore | O/D of Flange | | No of Bolts | Dia of Bolts | | Dia of Holes | | PC Dia of Holes | |
|---------------|--------------|---|------|-------------|--------------|--------|--------------|---------|-----------------|----|
| | | inch | mm | | inch | mm | inch | mm | inch | mm |
| B.S.'E' | 14"/350mm | 20.3/4" | 525 | 12 | 7/8" | 1" | 25 | 18.1/2" | 463 | |
| PN 10 | 14"/350mm | 20.3/4" | 505 | 16 | M20 | 7/8" | 22 | 18.1/2" | 460 | |
| PN16 | 14"/350mm | 20.4/5" | 520 | 16 | M24 | 1" | 26 | 18.1/2" | 470 | |
| ANSI 150 | 14"/350mm | 21" | 533 | 12 | 1" | 1.1/8" | 28 | 18.3/4" | 469 | |
| ANSI 300 | 14"/350mm | 23" | 584 | 20 | 1.1/8" | 1.1/4" | 31 | 20.1/4" | 506 | |
| B.S.'D' | 16"/400mm | 22.3/4" | 575 | 12 | 7/8" | 1" | 25 | 20.1/2" | 513 | |
| B.S.'E' | 16"/400mm | 22.3/4" | 575 | 12 | 7/8" | 1" | 25 | 20.1/2" | 513 | |
| PN10 | 16"/400mm | 22.3/4" | 565 | 16 | M24 | 1" | 26 | 20.1/2" | 515 | |
| PN16 | 16"/400mm | 23.1/5" | 580 | 16 | M27 | 1.1/4" | 30 | 21" | 525 | |
| ANSI 150 | 16"/400mm | 23.1/2" | 597 | 16 | 1" | 1.1/8" | 28 | 21.1/4" | 531 | |
| ANSI 300 | 16"/400mm | 25.1/2" | 648 | 20 | 1.1/4" | 1.3/8" | 34 | 22.1/2" | 563 | |
| B.S.'D' | 18"/450mm | 25.1/4" | 610 | 12 | 7/8" | 1" | 25 | 23" | 575 | |
| B.S.'E' | 18"/450mm | 25.1/4" | 610 | 16 | 7/8" | 1" | 25 | 23" | 575 | |
| PN10 | 18"/450mm | 25.1/4" | 615 | 20 | M24 | 1" | 26 | 22.1/2" | 565 | |
| PN16 | 18"/450mm | 25.3/5" | 640 | 20 | M27 | 1.1/4" | 30 | 23.1/2" | 585 | |
| ANSI 150 | 18"/450mm | 25" | 635 | 16 | 1.1/8" | 1.1/4" | 31 | 22.3/4" | 569 | |
| ANSI 300 | 18"/450mm | 28" | 711 | 24 | 1.1/4" | 1.3/8" | 34 | 24.3/4" | 619 | |
| B.S.'D' | 20"/500mm | 27.3/4" | 705 | 16 | 7/8" | 1" | 25 | 25.1/4" | 631 | |
| B.S.'E' | 20"/500mm | 27.3/4" | 705 | 16 | 7/8" | 1" | 25 | 25.1/4" | 631 | |
| PN10 | 20"/500mm | 27.3/4" | 670 | 20 | M24 | 1" | 26 | 24.3/4" | 620 | |
| PN16 | 20"/500mm | 28.3/5" | 715 | 20 | M30 | 1.3/8" | 33 | 26" | 650 | |
| ANSI 150 | 20"/500mm | 27.1/2" | 699 | 20 | 1.1/8" | 1.1/4" | 31 | 25" | 625 | |
| ANSI 300 | 20"/500mm | 30.1/2" | 775 | 24 | 1.1/4" | 1.3/8" | 34 | 27" | 675 | |
| B.S.'D' | 24"/600mm | 32.1/2" | 825 | 16 | 1" | 1.1/8" | 28 | 29.3/4" | 744 | |
| B.S.'E' | 24"/600mm | 32.1/2" | 825 | 16 | 1.1/8" | 1.1/4" | 31 | 29.3/4" | 744 | |
| PN 10 | 24"/600mm | 32.1/2" | 780 | 20 | M27 | 1.1/4" | 30 | 29.3/4" | 725 | |
| PN16 | 24"/600mm | 32.1/2" | 840 | 20 | M33 | 1.1/2" | 36 | 31" | 770 | |
| ANSI 150 | 24"/600mm | 32" | 813 | 20 | 1.1/4" | 1.3/8" | 34 | 29.1/2" | 738 | |
| ANSI 300 | 24"/600mm | 36" | 914 | 24 | 1.1/2" | 1.5/8" | 41 | 32" | 800 | |
| PN 10 | 28"/700mm | 36" | 895 | 24 | M27 | 1.1/4" | 30 | 32" | 840 | |
| PN 16 | 28"/700mm | 36" | 910 | 24 | M33 | 1.1/2" | 36 | 32" | 840 | |
| B.S.'D' | 30"/750mm | 39.1/4" | 910 | 20 | 1.1/8" | 1.1/4" | 31 | 36.1/2" | 840 | |
| B.S.'E' | 30"/750mm | 39.1/4" | 910 | 20 | 1.1/4" | 1.1/2" | 36 | 36.1/2" | 840 | |
| PN10 /PN16 | 30"/750mm | 750mm dia does not exist for PN10 or PN16 standards | | | | | | | | |
| PN 10 | 32"/800mm | 32" | 1015 | 24 | M30 | 1.1/2" | 33 | 36" | 950 | |
| PN 16 | 32"/800mm | 32" | 1025 | 24 | M36 | 1.3/8" | 39 | 36" | 950 | |
| PN 10 | 36"/900mm | 36" | 1115 | 28 | M30 | 1.1/2" | 33 | 36" | 1050 | |
| PN 16 | 36"/900mm | 36" | 1125 | 28 | M36 | 1.3/8" | 39 | 36" | 1050 | |
| PN 10 | 40"/1000mm | 40" | 1230 | 28 | M30 | 1.1/2" | 33 | 36" | 1160 | |
| PN 16 | 40"/1000mm | 40" | 1255 | 28 | M36 | 1.3/8" | 42 | 36" | 1170 | |
| PN 10 | 48"/1200mm | 48" | 1455 | 32 | M36 | 1.3/8" | 39 | 36" | 1380 | |
| PN 16 | 48"/1200mm | 48" | 1485 | 32 | M45 | 1.3/4" | 48 | 36" | 1390 | |

Note: Product information is correct at time of printing

AVK PIPELINE FITTING SOLUTIONS

TYPICAL APPLICATION SCHEMATIC

Example of product range

KEY

- This is an interactive brochure when viewed on an electronic device.
- Images which are interactive will be indicated by the mouse changing or a link appearing.
- If you click on the product pictures you will be taken directly to the product page.
- If a product is not linked to a product page, please contact us for details.

1. COUPLINGS
 Series 601 & Series 602 Supa® Universal - DN40-400
 Series 621 Supa Plus® Dedicated - DN40-300
 Series 631 Supa Maxi™ Universal Tensile - DN50-600
 Series 258/30 Fabricated - DN350-1600
 Series 258/61 & 60 Fabricated Tensile - DN350-1200

2. FLANGE ADAPTORS
 Series 603 Supa® Universal - DN40-400
 Series 623 Supa Plus® Dedicated - DN40-315
 Series 633 Supa Maxi™ Universal Tensile - DN40-450
 Series 260/30 Fabricated - DN350-1400+
 Series 260/61 & 60 Fabricated Tensile - DN350-1200

3. UNDER PRESSURE TEES
 Series 214 MS UPT - DN80-600
 Series 215 St/St UPT - DN80-600
 Series 257 DI UPT - DN80-300

4. REPAIR CLAMPS
 Series 202 St/St Double Band Repair Clamp - DN80-1450
 Series 203 Pipe Saver Repair Clamp - DN15-60
 Series 206 St/St Single Band Repair Clamp - DN50-400
 Series 253 DI Repair Clamp - DN80-300
 Series 748 St/St Repair Clamps - DN40-350

5. ENCAPSULATION COLLAR
 Series 208 - DN80-1200
 Series 204 - DN3" - 6"

7. DUCTILE IRON FITTINGS
 Series 712 Flanged - DN50-700
 Series 712 Socketed - DN300-700

6. DISMANTLING JOINTS
 Series 265/50 - DN50-1000
 Series 265/30 - DN300-2200





REPAIR CLAMPS AND TEES PIPE MATERIAL GUIDE

| Pipe Material | Standard | |
|----------------------|----------------|--|
| Asbestos Cement Pipe | BS 486 | Specification for asbestos-cement pressure pipes and joints |
| Asbestos Cement Pipe | BS EN 512 | Fibre-cement products. Pressure pipes and joints |
| ABS | BS 5391 | Acrylonitrile-butadiene-styrene (ABS) pressure pipe specification |
| Cast Iron | BS 78 | Specification for cast iron spigot and socket pipes (vertically cast) and spigot and socket fittings |
| Cast Iron | BS 1211 | Specification for centrifugally cast (spun) iron pressure pipes for water, gas and sewage |
| Clay | BS EN 295 | Vitrified clay pipe systems for drains and sewers |
| Ductile Iron | BS 4772 | Specification for ductile iron pipes and fittings |
| Ductile Iron | BS EN 545 | Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods |
| Ductile Iron | BS EN 598 | Ductile iron pipes, fittings, accessories and their joints for sewerage applications. Requirements and test methods |
| Ductile Iron | BS EN 969 | Ductile iron pipes, fittings, accessories and their joints for gas pipelines. Requirements and test methods |
| GRP | BS 5480 | Specification for glass reinforced plastics (GRP) pipes, joints and fittings for use for water supply or sewerage |
| GRP | BS EN 14364 | Plastics piping systems for drainage and sewerage with or without pressure. Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints |
| Polyethylene (PE) | BS EN 12201 | Plastics piping systems for water supply, and for drainage and sewerage under pressure. Polyethylene (PE) |
| PVC-U | BS 3505 | Specification for unplasticized polyvinyl chloride (PVC-U) pressure pipes for cold potable water |
| PVC-U | BS EN ISO 1452 | Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure. Unplasticized poly(vinyl chloride) (PVC U). Fittings |
| PVC-U | BS 3506 | Specification for unplasticized PVC pipe for industrial uses |
| PVC-O | ISO 16422 | Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure - Specifications |
| Metric PVC-U and PE | BS ISO 11922 | Thermoplastics pipes for the conveyance of fluids. Dimensions and tolerances. Metric series |
| Steel | BS 1387 | Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads |
| Steel | BS EN 10225 | Non-alloy steel tubes suitable for welding and threading. Technical delivery conditions |
| Steel | ISO 4200 | Plain end steel tubes, welded and seamless. General tables of dimensions and masses per unit length |
| Steel | BS EN10024 | Non-alloy steel tubes and fittings for the conveyance of water and other aqueous liquids. Technical delivery conditions |
| Steel | BS 4825-1 to 5 | Stainless steel tubes and fittings for the food industry and other hygienic applications |
| Steel | BS 534 | Specification for steel pipes, joints and specials for water and sewage |
| Steel | BS EN 10224 | Non-alloy steel tubes and fittings for the conveyance of water and other aqueous liquids |
| Steel | BS 3600 | Specification for dimensions and masses per unit length of welded and seamless steel pipes and tubes for pressure purposes |
| Steel | BS EN 10220 | Seamless and welded steel tubes. Dimensions and masses per unit length |
| Steel | BS 3601 | Specification for carbon steel pipes and tubes with specified room temperature properties for pressure purposes |
| Steel | BS EN 10216 | Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties |
| Steel | BS EN 10217 | Welded steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties |
| Steel | BS 1600 | Specification for dimensions of steel pipe for the petroleum industry |