

HDPE PIPE SYSTEMS PRODUCT CATALOGUE

ACU-TECH.COM.AU





*We Care.
Our Solutions.
Your Success.*

Company Introduction



Acu-Tech® Piping Systems is a manufacturer and supplier specialising in complete polyethylene (HDPE) pipe systems and solutions for fluid / gas transfer and cable protection.

Working directly with owners, engineers and contractors, Acu-Tech helps to create pipeline assets which are both durable and cost-effective.

Acu-Tech supplies complete application specific pipe system packages including valves, fusion welding equipment, training and technical support.

A lot has changed since Acu-Tech was founded in 2000 by Ivan Morren operating from 3 sea containers, and the company continues to innovate and evolve. Now with a growing team at our state-of-the-art 40,000m² facilities in Perth, as well as branches in Brisbane and Melbourne, we offer our clients the complete solution package.

"What hasn't changed is our positive 'can do' culture and our commitment to building long term relationships."

Put Your Trust in Quality & Expertise



*In every industry and with every service,
we can be relied upon to deliver the right
solution at the best value.*

What makes us different?

- We *listen* and work closely with our clients to understand their challenges.
- We help *define* the solution that is right for them using our materials, technology, training and installation methodology.
- We *solve* problems drawing on our breadth of knowledge and experience, and our supply capabilities.
- We *deliver* pipeline solutions that are right for the industries we serve.



What Our Clients Say

"Your professionalism was instrumental in achieving a positive result for all stakeholders."

- Project and Resource Logistics

Sino Iron Ore Project

"I would like to thank you and Acu-Tech for the wonderful service you have provided. Personally I will always use Acu-Tech as the first 'port of call' for any future poly requirements."

- Site Supervisor

Koolyanobbing Project

"The conduct was outstanding. Acu-Tech's flexibility in meeting our needs and the integrity of products and services is worthy of special mention."

- Site Engineer

Esperance Port Access Corridor

Why choose Acu-Tech?

12 reasons why companies choose Acu-Tech Piping Systems as their HDPE pipeline supply partner:

TRUST

- Experience – most highly trained and experienced team in the industry with over 150 years of combined experience.
- Responsiveness – the company owner is the CEO and directly involved, so decisions are made quickly in response to your requests.
- Track record – Proven with thousands of projects completed, with references available.

CONFIDENCE

- Teamwork – we work with our customers to understand their business, meet their requirements and deliver upon their priorities and objectives.
- Reliability – Acu-Tech will supply on-time, as specified, and with all documentation.
- Capacity – Acu-Tech has what it takes to deliver on major projects.

QUALITY ASSURANCE

- Quality Management Systems certified to ISO 9001 and ISO/TS 29001.
- Piping products certified to AS/NZS 4130. Only 100% approved AS/NZS 4131 PE100 raw material used (no second hand or contaminated material).
- As the manufacturer, we have complete control from raw material to delivery.

TECHNICAL EXPERTISE & SUPPORT

- Technical support service for designers, engineers and installers.
- Fusion Weld Training through our Registered Training Organisation partner.
- Fully equipped NATA accredited laboratory for destructive joint and material testing. Onsite QA also available.

Trusted by Major Companies



RioTinto

NEWMONT



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IMPORTANT NOTICE

Notes on the use of this catalogue:

The "Family" code shown at the top of every page refers to the fitting TYPE.

E.g.: 2014 is the code for an electrofusion coupler. The next four numbers refer to the SIZE; e.g., 0110 is the code for a 110 mm fitting, 1163 for a 110 mm x 63 mm reducer; therefore the code for a 110 mm electrofusion coupler is 2014.0110 and a 110 mm x 63 mm reducer would be 2034.1163.

As always with Acu-Tech technical information, we supply it as a guide in the interest of better understanding of technical properties of our products. It represents the best information available to us at the time of publication. However, the application of such information may involve engineering judgements which cannot be correctly made without intimate knowledge of all the conditions pertaining to a specific installation. Acu-Tech does not act as a consultant in this regard; the responsibility for the use of any information or advice contained herein rests solely with the user. No warranty, expressed or implied, (other than Statutory Warranty) is given as to the information or results obtained by the use thereof, and Acu-Tech will not be held liable for any costs, direct or indirect, that may arise therefrom. All pressure ratings given are subject to applicable regulations and standards. For further information please contact our Technical team or check with your local regulatory authority.

Indemnity: Company policy is one of continual improvement, therefore changes in product dimensions, specifications and performance data may be made without prior notice and without incurring liability. All dimensions shown in this catalogue are intended as a guide only. If exact measurements are required, please contact our sales team.

Please contact our sales team if there is any items required which are not shown in this catalogue. We are also able to source and supply a wide range of associated products such as valves and non-standard flanges.

CONTENTS

1. ACU-TECH PRESSURE PIPE

| | |
|----------------------------|-------|
| Dimensions Overview | 12-13 |
| Dimensions Detail | 14-16 |
| Coil Dimensions | 17 |
| Imperial (Rural) | 18 |
| Striping and Colour Coding | 19 |

2. BUTT WELD & FABRICATED ITEMS

| | |
|---------------------------------|-------|
| 90° Sweep Bend | 22 |
| 60° Sweep Bend | 23 |
| 45° Sweep Bend | 24 |
| 30° Sweep Bend | 25 |
| 15° Sweep Bend | 26 |
| 90° Segmented Bend | 27 |
| 45° Segmented Bend | 28 |
| 90° Short Radius Bend | 29 |
| Fabricated Reducing Tee | 30-31 |
| Fabricated Equal Tee | 32 |
| Fabricated True Y Junction | 33 |
| Fabricated 45° Junction | 34 |
| Short Spigot Eccentric Reducer | 35 |
| Short Spigot Concentric Reducer | 36-37 |
| Short Spigot End Cap | 38 |
| Shouldered End | 39 |
| Custom and Specialised Fittings | 40-41 |

3. FLANGE, BACKING RING & GASKET

| | |
|----------------------------------|-------|
| Butt Weld Stub Flange | 44 |
| Long Spigot Stub Flange | 45 |
| Max Flange | 46 |
| Blind Flange | 47 |
| Table D Backing Ring | 48 |
| Table E Backing Ring | 49 |
| Table ANSI 150 Backing Ring | 50-51 |
| DCI Female Threaded Tapping Band | 52-53 |
| EPDM Flange Gasket | 54 |
| Fibre Flange Gasket | 55 |
| Steel Core Flange Gasket | 56-57 |
| Butterfly Value Spacer | 58 |
| Bolt Sets | 59 |

4. SPIGOT FITTINGS

| | |
|----------------------------------|----|
| 90° Long Spigot Elbow | 62 |
| 45° Long Spigot Elbow | 63 |
| 30° Long Spigot Elbow | 64 |
| 90° Long Spigot Radius Bend | 65 |
| Long Spigot Equal Tee | 66 |
| Long Spigot Reducing Tee | 67 |
| 45° Long Spigot Equal Tee | 68 |
| Concentric Long Spigot Reducer | 69 |
| Long Spigot End Cap | 70 |
| Long Spigot Test End Cap | 71 |
| PE/Brass Male Threaded Adaptor | 72 |
| PE/Brass Female Threaded Adaptor | 73 |
| PE Male BSP Adaptor | 74 |
| PE Female BSP Adaptor | 75 |

5. ELECTROFUSION FITTINGS

| | |
|--|----|
| EF Coupler | 78 |
| EF Reducer | 79 |
| EF 90° Elbow | 80 |
| EF 45° Elbow | 81 |
| EF Equal Tee | 82 |
| EF Reducing Tee | 83 |
| EF Tapping Saddle | 84 |
| EF Branch Saddle | 85 |
| EF End Cap | 86 |
| EF Test End Cap with Brass Male BSP Thread | 87 |

6. ADDITIONAL SERVICES

| | |
|--------------------------|-------|
| Fabrication Services | 90-93 |
| Equipment Sales and Hire | 94-97 |
| Polyweld Tech Academy | 98-99 |

7. USEFUL INFORMATION

| | |
|------------------------------|-----|
| Truck Pipe and Coil Capacity | 102 |
|------------------------------|-----|

ACU-TECH PE PRESSURE PIPE

Acu-Tech's high quality HDPE Pressure Pipe is manufactured from AS/NZS 4131 PE100 raw material and WaterMark Certified to AS/NZS 4130.

Available from 20mm up to 1200mm in diameter, Acu-Tech PE100 pipe is available in coils and straight lengths with the option of striping or full coating for system specific colour coding. We hold a complete stock of common sizes and SDR ratings. Call us on 1300 270 270 to discuss your requirements.



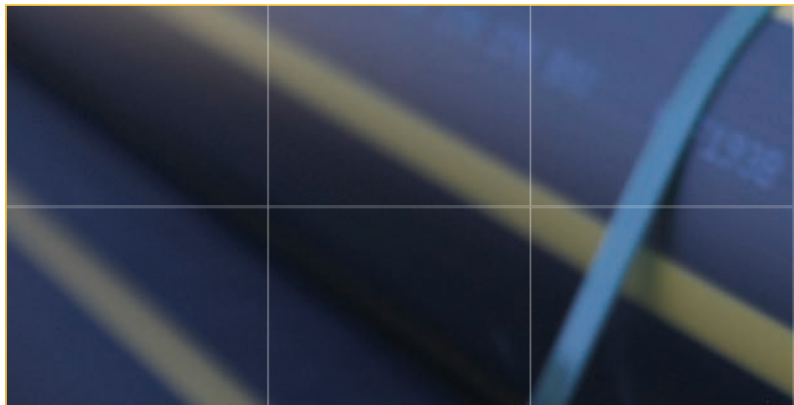
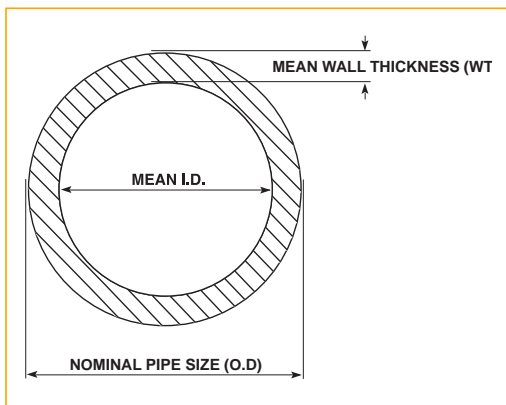
| | |
|---|-------|
| PE100 Polyethylene Pipe Overview | 12-13 |
| PE100 Polyethylene Pipe Dimensions Detail | 14-16 |
| PE100 Polyethylene Coil Dimensions Overview | 17 |
| Imperial (Rural) Polyethylene Pipe | 18 |
| Striping and Colour Coding Guide | 19 |

PE100 POLYETHYLENE PIPE - OVERVIEW

MEAN DIMENSIONS ACCORDING TO AS/NZS 4130 SERIES 1

| OD | SDR41 PN 4 | | | SDR26 PN 6.3 | | | SDR21 PN 8 | | | SDR 17 PN 10 | | |
|------|------------|--------|-------|--------------|--------|-------|------------|--------|-------|--------------|--------|-------|
| | WT | ID | KG/M | WT | ID | KG/M | WT | ID | KG/M | WT | ID | KG/M |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - | - | - | - | 1.8 | 21.7 | 0.1 |
| 32 | - | - | - | - | - | - | 1.8 | 28.7 | 0.2 | 2.1 | 28.1 | 0.2 |
| 40 | - | - | - | - | - | - | 2.1 | 36.1 | 0.2 | 2.6 | 35.0 | 0.3 |
| 50 | - | - | - | - | - | - | 2.6 | 45.1 | 0.4 | 3.2 | 43.9 | 0.5 |
| 63 | - | - | - | 2.6 | 58.1 | 0.5 | 3.2 | 56.9 | 0.6 | 4.1 | 55.2 | 0.7 |
| 75 | - | - | - | 3.1 | 69.2 | 0.7 | 3.9 | 67.7 | 0.8 | 4.8 | 65.8 | 1.0 |
| 90 | - | - | - | 3.8 | 83.0 | 1.0 | 4.6 | 81.3 | 1.2 | 5.8 | 79.0 | 1.5 |
| 110 | 2.9 | 104.7 | 0.9 | 4.6 | 101.3 | 1.5 | 5.7 | 99.2 | 1.8 | 7.0 | 96.5 | 2.2 |
| 125 | 3.4 | 118.9 | 1.2 | 5.1 | 115.4 | 1.9 | 6.4 | 112.9 | 2.3 | 7.9 | 109.9 | 2.8 |
| 140 | 3.8 | 133.2 | 1.6 | 5.8 | 129.2 | 2.3 | 7.1 | 126.5 | 2.9 | 8.8 | 123.1 | 3.5 |
| 160 | 4.3 | 152.3 | 2.0 | 6.6 | 147.6 | 3.1 | 8.2 | 144.5 | 3.8 | 10.1 | 140.7 | 4.6 |
| 180 | 4.7 | 171.5 | 2.5 | 7.3 | 166.3 | 3.8 | 9.1 | 162.7 | 4.7 | 11.3 | 158.3 | 5.8 |
| 200 | 5.2 | 190.5 | 3.1 | 8.2 | 184.6 | 4.7 | 10.2 | 180.6 | 5.8 | 12.6 | 175.8 | 7.1 |
| 225 | 5.9 | 214.4 | 3.9 | 9.1 | 207.9 | 6.0 | 11.4 | 203.3 | 7.4 | 14.2 | 197.8 | 9.0 |
| 250 | 6.6 | 238.0 | 4.9 | 10.2 | 230.9 | 7.4 | 12.6 | 226.1 | 9.0 | 15.6 | 220.0 | 11.1 |
| 280 | 7.3 | 266.7 | 6.0 | 11.3 | 258.7 | 9.2 | 14.2 | 253.0 | 11.4 | 17.5 | 246.3 | 13.9 |
| 315 | 8.2 | 300.2 | 7.6 | 12.8 | 290.9 | 11.7 | 15.8 | 284.9 | 14.3 | 19.7 | 277.1 | 17.6 |
| 355 | 9.2 | 338.2 | 9.6 | 14.4 | 327.9 | 14.8 | 17.8 | 321.0 | 18.2 | 22.3 | 312.1 | 22.4 |
| 400 | 10.4 | 381.1 | 12.2 | 16.2 | 369.5 | 18.8 | 20.2 | 361.5 | 23.2 | 25.0 | 351.9 | 28.3 |
| 450 | 11.6 | 428.9 | 15.4 | 18.2 | 415.8 | 23.7 | 22.7 | 406.8 | 29.3 | 28.1 | 395.9 | 35.9 |
| 500 | 13.0 | 476.3 | 19.2 | 20.2 | 462.0 | 29.3 | 25.2 | 452.0 | 36.2 | 31.2 | 440.0 | 44.2 |
| 560 | 14.5 | 533.6 | 23.9 | 22.6 | 517.4 | 36.7 | 28.1 | 506.3 | 45.3 | 35.0 | 492.6 | 55.6 |
| 630 | 16.3 | 600.4 | 30.2 | 25.4 | 582.1 | 46.5 | 31.6 | 569.8 | 57.2 | 39.3 | 554.4 | 70.2 |
| 710 | 18.4 | 676.5 | 38.4 | 28.7 | 655.9 | 59.1 | 35.7 | 641.9 | 72.8 | 44.3 | 624.6 | 89.3 |
| 800 | 20.7 | 762.3 | 48.7 | 32.2 | 739.2 | 74.8 | 40.1 | 723.4 | 92.3 | 49.9 | 703.9 | 113.2 |
| 900 | 23.2 | 857.8 | 61.5 | 36.2 | 831.7 | 94.7 | 45.1 | 813.9 | 116.7 | 56.3 | 791.6 | 143.7 |
| 1000 | 25.8 | 952.9 | 76.1 | 40.2 | 924.1 | 116.8 | 50.2 | 904.2 | 144.2 | 62.4 | 879.8 | 177.0 |
| 1200 | 31.0 | 1143.1 | 109.5 | 48.3 | 1108.5 | 168.2 | 60.2 | 1084.7 | 207.5 | 71.4 | 1062.3 | 243.7 |

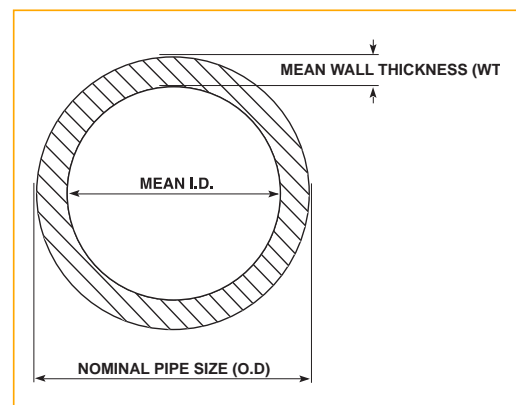
12



PE100 POLYETHYLENE PIPE - OVERVIEW Cont'd

MEAN DIMENSIONS ACCORDING TO AS/NZS 4130 SERIES 1

| OD | SDR13.6 PN 12.5 | | | SDR11 PN 16 | | | SDR9 PN 20 | | | SDR 7.4 PN 25 | | |
|------|-----------------|--------|-------|-------------|-------|-------|------------|-------|-------|---------------|-------|------|
| | WT | ID | KG/M | WT | ID | KG/M | WT | ID | KG/M | WT | ID | KG/M |
| 16 | - | - | - | 1.8 | 12.7 | 0.1 | 2.0 | 12.3 | 0.1 | 2.4 | 11.4 | 0.1 |
| 20 | 1.8 | 16.7 | 0.1 | 2.1 | 16.1 | 0.1 | 2.5 | 15.2 | 0.1 | 3.0 | 14.2 | 0.2 |
| 25 | 2.1 | 21.1 | 0.1 | 2.5 | 20.2 | 0.2 | 3.0 | 19.2 | 0.2 | 3.8 | 17.7 | 0.2 |
| 32 | 2.6 | 27.0 | 0.2 | 3.1 | 26.0 | 0.3 | 3.9 | 24.5 | 0.3 | 4.7 | 22.8 | 0.4 |
| 40 | 3.2 | 33.8 | 0.4 | 4.0 | 32.3 | 0.4 | 4.8 | 30.6 | 0.5 | 5.9 | 28.5 | 0.6 |
| 50 | 4.0 | 42.4 | 0.6 | 4.9 | 40.5 | 0.7 | 6.0 | 38.4 | 0.8 | 7.3 | 35.7 | 0.9 |
| 63 | 5.0 | 53.3 | 0.9 | 6.2 | 51.0 | 1.1 | 7.6 | 48.2 | 1.3 | 9.1 | 45.1 | 1.5 |
| 75 | 5.9 | 63.7 | 1.2 | 7.2 | 61.0 | 1.5 | 8.9 | 57.6 | 1.8 | 10.9 | 53.6 | 2.1 |
| 90 | 7.0 | 76.5 | 1.8 | 8.7 | 73.1 | 2.1 | 10.7 | 69.1 | 2.6 | 13.0 | 64.5 | 3.0 |
| 110 | 8.6 | 93.3 | 2.6 | 10.6 | 89.4 | 3.2 | 13.0 | 84.5 | 3.8 | 16.0 | 78.6 | 4.5 |
| 125 | 9.8 | 106.1 | 3.4 | 12.1 | 101.5 | 4.1 | 14.8 | 96.1 | 4.9 | 18.1 | 89.5 | 5.9 |
| 140 | 10.9 | 118.9 | 4.3 | 13.4 | 113.9 | 5.1 | 16.6 | 107.6 | 6.2 | 20.3 | 100.2 | 7.3 |
| 160 | 12.5 | 135.9 | 5.6 | 15.4 | 130.0 | 6.7 | 18.9 | 123.1 | 8.1 | 23.1 | 114.7 | 9.6 |
| 180 | 14.1 | 152.8 | 7.1 | 17.3 | 146.3 | 8.5 | 21.2 | 138.5 | 10.2 | 25.9 | 129.1 | 12.1 |
| 200 | 15.5 | 169.9 | 8.7 | 19.2 | 162.5 | 10.5 | 23.6 | 153.7 | 12.6 | 28.8 | 143.4 | 14.9 |
| 225 | 17.5 | 191.1 | 11.0 | 21.6 | 182.9 | 13.3 | 26.5 | 173.2 | 15.9 | 32.4 | 161.3 | 18.9 |
| 250 | 19.4 | 212.4 | 13.6 | 23.9 | 203.4 | 16.4 | 29.4 | 192.5 | 19.6 | 36.0 | 179.2 | 23.3 |
| 280 | 21.7 | 237.9 | 17.0 | 26.8 | 227.8 | 20.5 | 33.0 | 215.4 | 24.6 | 40.3 | 200.7 | 29.3 |
| 315 | 24.5 | 267.6 | 21.5 | 30.1 | 256.3 | 26.0 | 37.1 | 242.4 | 31.2 | 45.2 | 226.1 | 36.9 |
| 355 | 27.5 | 301.6 | 27.3 | 33.9 | 288.8 | 33.0 | 41.7 | 273.3 | 39.5 | 51.0 | 254.6 | 47.0 |
| 400 | 31.0 | 339.9 | 34.6 | 38.2 | 325.4 | 41.9 | 47.0 | 307.8 | 50.2 | 57.4 | 287.0 | 59.6 |
| 450 | 34.9 | 382.4 | 43.8 | 43.0 | 366.1 | 53.0 | 52.8 | 346.5 | 63.5 | 64.7 | 322.8 | 75.5 |
| 500 | 38.7 | 424.9 | 54.1 | 47.8 | 406.8 | 65.4 | 58.7 | 385.0 | 78.4 | 71.1 | 360.2 | 92.6 |
| 560 | 43.4 | 475.8 | 67.8 | 53.4 | 455.7 | 81.9 | 65.7 | 431.1 | 98.3 | - | - | - |
| 630 | 48.7 | 535.5 | 85.7 | 60.2 | 512.6 | 103.8 | 73.9 | 485.1 | 124.4 | - | - | - |
| 710 | 54.9 | 603.4 | 108.9 | 67.8 | 577.6 | 131.8 | 83.4 | 546.5 | 158.2 | - | - | - |
| 800 | 61.8 | 680.0 | 138.1 | 76.3 | 651.1 | 167.1 | 93.9 | 615.9 | 200.7 | - | - | - |
| 900 | 69.9 | 764.9 | 175.0 | 85.9 | 732.4 | 211.6 | - | - | - | - | - | - |
| 1000 | 76.2 | 852.1 | 213.1 | 94.8 | 814.9 | 259.8 | - | - | - | - | - | - |
| 1200 | 92.7 | 1019.6 | 310.7 | - | - | - | - | - | - | - | - | - |



PE100 POLYETHYLENE PIPE - DIMENSIONS

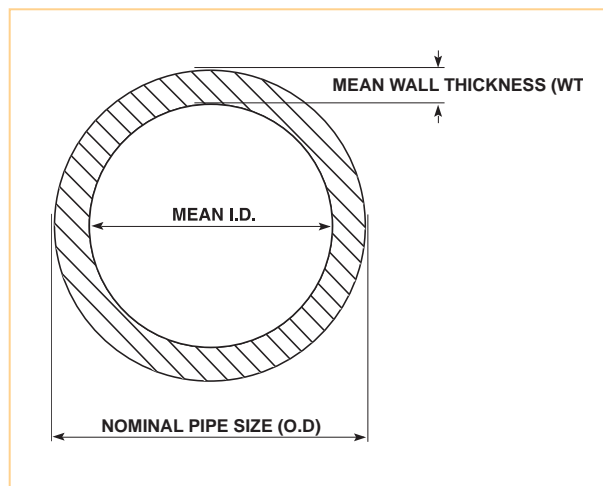
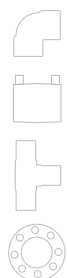
ACCORDING TO AS/NZS 4130 SERIES 1

| STANDARD DIMENSION RATIO | | | |
|-------------------------------|-----------------------|--------|------|
| NOMINAL OUTSIDE DIAMETER (DN) | MEAN OUTSIDE DIAMETER | | OOB* |
| | MIN | MAX | MAX |
| 16 | 16.0 | 16.3 | 1.2 |
| 20 | 20.0 | 20.3 | 1.2 |
| 25 | 25.0 | 25.3 | 1.2 |
| 32 | 32.0 | 32.3 | 1.3 |
| 40 | 40.0 | 40.4 | 1.4 |
| 50 | 50.0 | 50.5 | 1.4 |
| 63 | 63.0 | 63.6 | 1.5 |
| 75 | 75.0 | 75.7 | 1.6 |
| 90 | 90.0 | 90.9 | 1.8 |
| 110 | 110.0 | 111.0 | 2.2 |
| 125 | 125.0 | 126.2 | 2.5 |
| 140 | 140.0 | 141.3 | 2.8 |
| 160 | 160.0 | 161.5 | 3.2 |
| 180 | 180.0 | 181.7 | 3.6 |
| 200 | 200.0 | 201.8 | 4.0 |
| 225 | 225.0 | 227.1 | 4.5 |
| 250 | 250.0 | 252.3 | 5.0 |
| 280 | 280.0 | 282.6 | 9.8 |
| 315 | 315.0 | 317.9 | 11.1 |
| 355 | 355.0 | 358.2 | 12.5 |
| 400 | 400.0 | 403.6 | 14.0 |
| 450 | 450.0 | 454.1 | 15.6 |
| 500 | 500.0 | 504.5 | 17.5 |
| 560 | 560.0 | 565.0 | 19.6 |
| 630 | 630.0 | 635.7 | 22.1 |
| 710 | 710.0 | 716.4 | 24.9 |
| 800 | 800.0 | 807.2 | 28.0 |
| 900 | 900.0 | 908.1 | |
| 1000 | 1000.0 | 1009.0 | |
| 1200 | 1200.0 | 1210.0 | |

| SDR 41 | | | | SDR 33 | | | | SDR 26 | | | |
|---------------------|------|---------------------------|--------|---------------------|------|---------------------------|--------|---------------------|------|---------------------------|--------|
| WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | |
| MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | 2.4 | 2.8 | 57.4 | 58.8 |
| - | - | - | - | 2.3 | 2.7 | 69.6 | 71.1 | 2.9 | 3.3 | 68.4 | 69.9 |
| - | - | - | - | 2.8 | 3.2 | 83.6 | 85.3 | 3.5 | 4.0 | 82.0 | 83.9 |
| 2.7 | 3.1 | 103.8 | 105.6 | 3.4 | 3.9 | 102.2 | 104.2 | 4.3 | 4.9 | 100.2 | 102.4 |
| 3.1 | 3.6 | 117.8 | 120.0 | 3.9 | 4.4 | 116.2 | 118.4 | 4.8 | 5.4 | 114.2 | 116.6 |
| 3.5 | 4.0 | 132.0 | 134.3 | 4.3 | 4.9 | 130.2 | 132.7 | 5.4 | 6.1 | 127.8 | 130.5 |
| 4.0 | 4.5 | 151.0 | 153.5 | 4.9 | 5.5 | 149.0 | 151.7 | 6.2 | 7.0 | 146.0 | 149.1 |
| 4.4 | 5.0 | 170.0 | 172.9 | 5.5 | 6.2 | 167.6 | 170.7 | 6.9 | 7.7 | 164.6 | 167.9 |
| 4.9 | 5.5 | 189.0 | 192.0 | 6.2 | 7.0 | 186.0 | 189.4 | 7.7 | 8.6 | 182.8 | 186.4 |
| 5.5 | 6.2 | 212.6 | 216.1 | 6.9 | 7.7 | 209.6 | 213.3 | 8.6 | 9.6 | 205.8 | 209.9 |
| 6.2 | 7.0 | 236.0 | 239.9 | 7.7 | 8.6 | 232.8 | 236.9 | 9.6 | 10.7 | 228.6 | 233.1 |
| 6.9 | 7.7 | 264.6 | 268.8 | 8.6 | 9.6 | 260.8 | 265.4 | 10.7 | 11.9 | 256.2 | 261.2 |
| 7.7 | 8.6 | 297.8 | 302.5 | 9.7 | 10.8 | 293.4 | 298.5 | 12.1 | 13.5 | 288.0 | 293.7 |
| 8.7 | 9.7 | 335.6 | 340.8 | 10.9 | 12.1 | 330.8 | 336.4 | 13.6 | 15.1 | 324.8 | 331.0 |
| 9.8 | 10.9 | 378.2 | 384.0 | 12.3 | 13.7 | 372.6 | 379.0 | 15.3 | 17.0 | 366.0 | 373.0 |
| 11.0 | 12.2 | 425.6 | 432.1 | 13.8 | 15.3 | 419.4 | 426.5 | 17.2 | 19.1 | 411.8 | 419.7 |
| 12.3 | 13.7 | 472.6 | 479.9 | 15.3 | 17.0 | 466.0 | 473.9 | 19.1 | 21.2 | 457.6 | 466.3 |
| 13.7 | 15.2 | 529.6 | 537.6 | 17.2 | 19.1 | 521.8 | 530.6 | 21.4 | 23.7 | 512.6 | 522.2 |
| 15.4 | 17.1 | 595.8 | 604.9 | 19.3 | 21.4 | 587.2 | 597.1 | 24.1 | 26.7 | 576.6 | 587.5 |
| 17.4 | 19.3 | 671.4 | 681.6 | 21.8 | 24.1 | 661.8 | 672.8 | 27.2 | 30.1 | 649.8 | 662.0 |
| 19.6 | 21.7 | 756.6 | 768.0 | 24.5 | 27.1 | 745.8 | 758.2 | 30.6 | 33.8 | 732.4 | 746.0 |
| 22.0 | 24.3 | 851.4 | 864.1 | 27.6 | 30.5 | 839.0 | 852.9 | 34.4 | 38.0 | 824.0 | 839.3 |
| 24.5 | 27.1 | 945.8 | 960.0 | 30.6 | 33.8 | 932.4 | 947.8 | 38.2 | 42.2 | 915.6 | 932.6 |
| 29.4 | 32.5 | 1135.0 | 1151.2 | 36.7 | 40.5 | 1119.0 | 1136.6 | 45.9 | 50.6 | 1098.8 | 1118.2 |

*OUT OF ROUNDNESS.

14

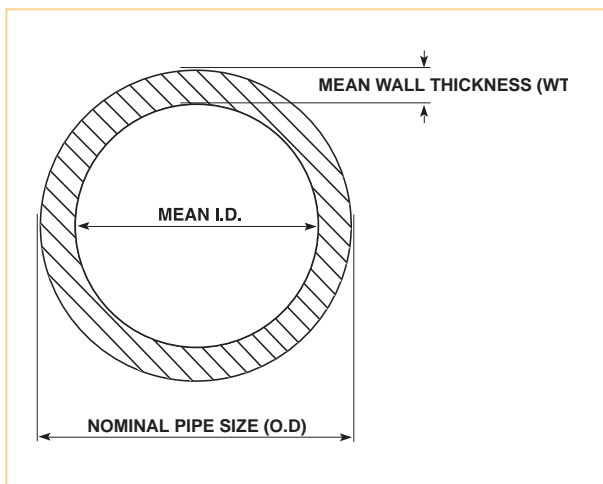


PE100 POLYETHYLENE PIPE - DIMENSIONS Cont'd

ACCORDING TO AS/NZS 4130 SERIES 1

| STANDARD DIMENSION RATIO | | | | SDR 21 | | | | SDR 17 | | | | SDR 13.6 | | | |
|-------------------------------|-----------------------|--------|------|---------------------|------|---------------------------|--------|---------------------|------|---------------------------|--------|---------------------|------|---------------------------|--------|
| NOMINAL OUTSIDE DIAMETER (DN) | MEAN OUTSIDE DIAMETER | | OOB* | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | |
| | MIN | MAX | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| 16 | 16.0 | 16.3 | 1.2 | - | - | - | - | - | - | - | - | - | - | - | - |
| 20 | 20.0 | 20.3 | 1.2 | - | - | - | - | - | - | - | - | 1.6 | 1.9 | 16.2 | 17.1 |
| 25 | 25.0 | 25.3 | 1.2 | - | - | - | - | 1.6 | 1.9 | 21.2 | 22.1 | 1.9 | 2.2 | 20.6 | 21.5 |
| 32 | 32.0 | 32.3 | 1.3 | 1.6 | 1.9 | 28.2 | 29.1 | 1.9 | 2.2 | 27.6 | 28.5 | 2.4 | 2.8 | 26.4 | 27.5 |
| 40 | 40.0 | 40.4 | 1.4 | 1.9 | 2.2 | 35.6 | 36.6 | 2.4 | 2.8 | 34.4 | 35.6 | 3.0 | 3.4 | 33.2 | 34.4 |
| 50 | 50.0 | 50.5 | 1.4 | 2.4 | 2.8 | 44.4 | 45.7 | 3.0 | 3.4 | 43.2 | 44.5 | 3.7 | 4.2 | 41.6 | 43.1 |
| 63 | 63.0 | 63.6 | 1.5 | 3.0 | 3.4 | 56.2 | 57.6 | 3.8 | 4.3 | 54.4 | 56.0 | 4.7 | 5.3 | 52.4 | 54.2 |
| 75 | 75.0 | 75.7 | 1.6 | 3.6 | 4.1 | 66.8 | 68.5 | 4.5 | 5.1 | 64.8 | 66.7 | 5.5 | 6.2 | 62.6 | 64.7 |
| 90 | 90.0 | 90.9 | 1.8 | 4.3 | 4.9 | 80.2 | 82.3 | 5.4 | 6.1 | 77.8 | 80.1 | 6.6 | 7.4 | 75.2 | 77.7 |
| 110 | 110.0 | 111.0 | 2.2 | 5.3 | 6.0 | 98.0 | 100.4 | 6.6 | 7.4 | 95.2 | 97.8 | 8.1 | 9.1 | 91.8 | 94.8 |
| 125 | 125.0 | 126.2 | 2.5 | 6.0 | 6.7 | 111.6 | 114.2 | 7.4 | 8.3 | 108.4 | 111.4 | 9.2 | 10.3 | 104.4 | 107.8 |
| 140 | 140.0 | 141.3 | 2.8 | 6.7 | 7.5 | 125.0 | 127.9 | 8.3 | 9.3 | 121.4 | 124.7 | 10.3 | 11.5 | 117.0 | 120.7 |
| 160 | 160.0 | 161.5 | 3.2 | 7.7 | 8.6 | 142.8 | 146.1 | 9.5 | 10.6 | 138.8 | 142.5 | 11.8 | 13.1 | 133.8 | 137.9 |
| 180 | 180.0 | 181.7 | 3.6 | 8.6 | 9.6 | 160.8 | 164.5 | 10.7 | 11.9 | 156.2 | 160.3 | 13.3 | 14.8 | 150.4 | 155.1 |
| 200 | 200.0 | 201.8 | 4.0 | 9.6 | 10.7 | 178.6 | 182.6 | 11.9 | 13.2 | 173.6 | 178.0 | 14.7 | 16.3 | 167.4 | 172.4 |
| 225 | 225.0 | 227.1 | 4.5 | 10.8 | 12.0 | 201.0 | 205.5 | 13.4 | 14.9 | 195.2 | 200.3 | 16.6 | 18.4 | 188.2 | 193.9 |
| 250 | 250.0 | 252.3 | 5.0 | 11.9 | 13.2 | 223.6 | 228.5 | 14.8 | 16.4 | 217.2 | 222.7 | 18.4 | 20.4 | 209.2 | 215.5 |
| 280 | 280.0 | 282.6 | 9.8 | 13.4 | 14.9 | 250.2 | 255.8 | 16.6 | 18.4 | 243.2 | 249.4 | 20.6 | 22.8 | 234.4 | 241.4 |
| 315 | 315.0 | 317.9 | 11.1 | 15.0 | 16.6 | 281.8 | 287.9 | 18.7 | 20.7 | 273.6 | 280.5 | 23.2 | 25.7 | 263.6 | 271.5 |
| 355 | 355.0 | 358.2 | 12.5 | 16.9 | 18.7 | 317.6 | 324.4 | 21.1 | 23.4 | 308.2 | 316.0 | 26.1 | 28.9 | 297.2 | 306.0 |
| 400 | 400.0 | 403.6 | 14.0 | 19.1 | 21.2 | 357.6 | 365.4 | 23.7 | 26.2 | 347.6 | 356.2 | 29.4 | 32.5 | 335.0 | 344.8 |
| 450 | 450.0 | 454.1 | 15.6 | 21.5 | 23.8 | 402.4 | 411.1 | 26.7 | 29.5 | 391.0 | 400.7 | 33.1 | 36.6 | 376.8 | 387.9 |
| 500 | 500.0 | 504.5 | 17.5 | 23.9 | 26.4 | 447.2 | 456.7 | 29.6 | 32.7 | 434.6 | 445.3 | 36.8 | 40.6 | 418.8 | 430.9 |
| 560 | 560.0 | 565.0 | 19.6 | 26.7 | 29.5 | 501.0 | 511.6 | 33.2 | 36.7 | 486.6 | 498.6 | 41.2 | 45.5 | 469.0 | 482.6 |
| 630 | 630.0 | 635.7 | 22.1 | 30.0 | 33.1 | 563.8 | 575.7 | 37.3 | 41.2 | 547.6 | 561.1 | 46.3 | 51.1 | 527.8 | 543.1 |
| 710 | 710.0 | 716.4 | 24.9 | 33.9 | 37.4 | 635.2 | 648.6 | 42.1 | 46.5 | 617.0 | 632.2 | 52.2 | 57.6 | 594.8 | 612.0 |
| 800 | 800.0 | 807.2 | 28.0 | 38.1 | 42.1 | 715.8 | 731.0 | 47.4 | 52.3 | 695.4 | 712.4 | 58.8 | 64.8 | 670.4 | 689.6 |
| 900 | 900.0 | 908.1 | | 42.9 | 47.3 | 805.4 | 822.3 | 53.5 | 59.0 | 782.0 | 801.1 | 66.2 | 73.0 | 754.0 | 775.7 |
| 1000 | 1000.0 | 1009.0 | | 47.7 | 52.6 | 894.8 | 913.6 | 59.3 | 65.4 | 869.2 | 890.4 | 72.5 | 79.9 | 840.2 | 864.0 |
| 1200 | 1200.0 | 1210.0 | | 57.2 | 63.1 | 1073.8 | 1095.6 | 67.9 | 74.8 | 1050.4 | 1074.2 | 88.2 | 97.2 | 1005.6 | 1033.6 |

*OUT OF ROUNDNESS.



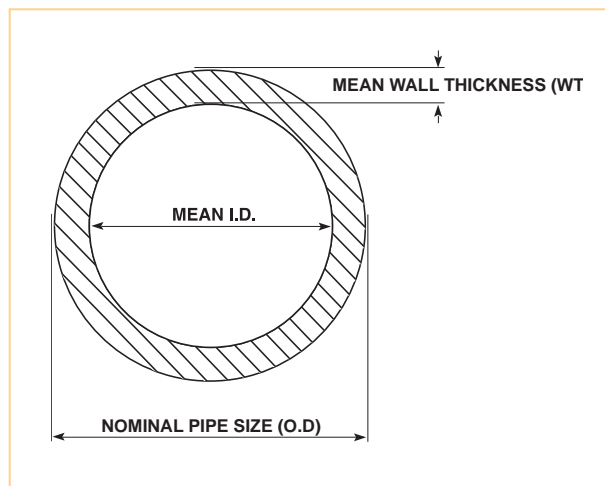
PE100 POLYETHYLENE PIPE - DIMENSIONS Cont'd

ACCORDING TO AS/NZS 4130 SERIES 1

| STANDARD DIMENSION RATIO | | | | SDR 11 | | | | SDR 9 | | | | SDR 7.4 | | | |
|-------------------------------|-----------------------|--------|------|---------------------|------|---------------------------|-------|---------------------|------|---------------------------|-------|---------------------|------|---------------------------|-------|
| NOMINAL OUTSIDE DIAMETER (DN) | MEAN OUTSIDE DIAMETER | | OOR* | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | | WALL THICKNESS (WT) | | MEAN INSIDE DIAMETER (ID) | |
| | MIN | MAX | | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| 16 | 16.0 | 16.3 | 1.2 | 1.6 | 1.9 | 12.2 | 13.1 | 1.8 | 2.1 | 11.8 | 12.7 | 2.2 | 2.6 | 10.8 | 11.9 |
| 20 | 20.0 | 20.3 | 1.2 | 1.9 | 2.2 | 15.6 | 16.5 | 2.3 | 2.7 | 14.6 | 15.7 | 2.8 | 3.2 | 13.6 | 14.7 |
| 25 | 25.0 | 25.3 | 1.2 | 2.3 | 2.7 | 19.6 | 20.7 | 2.8 | 3.2 | 18.6 | 19.7 | 3.5 | 4.0 | 17.0 | 18.3 |
| 32 | 32.0 | 32.3 | 1.3 | 2.9 | 3.3 | 25.4 | 26.5 | 3.6 | 4.1 | 23.8 | 25.1 | 4.4 | 5.0 | 22.0 | 23.5 |
| 40 | 40.0 | 40.4 | 1.4 | 3.7 | 4.2 | 31.6 | 33.0 | 4.5 | 5.1 | 29.8 | 31.4 | 5.5 | 6.2 | 27.6 | 29.4 |
| 50 | 50.0 | 50.5 | 1.4 | 4.6 | 5.2 | 39.6 | 41.3 | 5.6 | 6.3 | 37.4 | 39.3 | 6.9 | 7.7 | 34.6 | 36.7 |
| 63 | 63.0 | 63.6 | 1.5 | 5.8 | 6.5 | 50.0 | 52.0 | 7.1 | 8.0 | 47.0 | 49.4 | 8.6 | 9.6 | 43.8 | 46.4 |
| 75 | 75.0 | 75.7 | 1.6 | 6.8 | 7.6 | 59.8 | 62.1 | 8.4 | 9.4 | 56.2 | 58.9 | 10.3 | 11.5 | 52.0 | 55.1 |
| 90 | 90.0 | 90.9 | 1.8 | 8.2 | 9.2 | 71.6 | 74.5 | 10.1 | 11.3 | 67.4 | 70.7 | 12.3 | 13.7 | 62.6 | 66.3 |
| 110 | 110.0 | 111.0 | 2.2 | 10.0 | 11.1 | 87.8 | 91.0 | 12.3 | 13.7 | 82.6 | 86.4 | 15.1 | 16.8 | 76.4 | 80.8 |
| 125 | 125.0 | 126.2 | 2.5 | 11.4 | 12.7 | 99.6 | 103.4 | 14.0 | 15.5 | 94.0 | 98.2 | 17.1 | 19.0 | 87.0 | 92.0 |
| 140 | 140.0 | 141.3 | 2.8 | 12.7 | 14.1 | 111.8 | 115.9 | 15.7 | 17.4 | 105.2 | 109.9 | 19.2 | 21.3 | 97.4 | 102.9 |
| 160 | 160.0 | 161.5 | 3.2 | 14.6 | 16.2 | 127.6 | 132.3 | 17.9 | 19.8 | 120.4 | 125.7 | 21.9 | 24.2 | 111.6 | 117.7 |
| 180 | 180.0 | 181.7 | 3.6 | 16.4 | 18.2 | 143.6 | 148.9 | 20.1 | 22.3 | 135.4 | 141.5 | 24.6 | 27.2 | 125.6 | 132.5 |
| 200 | 200.0 | 201.8 | 4.0 | 18.2 | 20.2 | 159.6 | 165.4 | 22.4 | 24.8 | 150.4 | 157.0 | 27.3 | 30.2 | 139.6 | 147.2 |
| 225 | 225.0 | 227.1 | 4.5 | 20.5 | 22.7 | 179.6 | 186.1 | 25.1 | 27.8 | 169.4 | 176.9 | 30.8 | 34.0 | 157.0 | 165.5 |
| 250 | 250.0 | 252.3 | 5.0 | 22.7 | 25.1 | 199.8 | 206.9 | 27.9 | 30.8 | 188.4 | 196.5 | 34.2 | 37.8 | 174.4 | 183.9 |
| 280 | 280.0 | 282.6 | 9.8 | 25.4 | 28.1 | 223.8 | 231.8 | 31.3 | 34.6 | 210.8 | 220.0 | 38.3 | 42.3 | 195.4 | 206.0 |
| 315 | 315.0 | 317.9 | 11.1 | 28.6 | 31.6 | 251.8 | 260.7 | 35.2 | 38.9 | 237.2 | 247.5 | 43.0 | 47.4 | 220.2 | 231.9 |
| 355 | 355.0 | 358.2 | 12.5 | 32.2 | 35.6 | 283.8 | 293.8 | 39.6 | 43.7 | 267.6 | 279.0 | 48.5 | 53.5 | 248.0 | 261.2 |
| 400 | 400.0 | 403.6 | 14.0 | 36.3 | 40.1 | 319.8 | 331.0 | 44.7 | 49.3 | 301.4 | 314.2 | 54.6 | 60.2 | 279.6 | 294.4 |
| 450 | 450.0 | 454.1 | 15.6 | 40.9 | 45.1 | 359.8 | 372.3 | 50.2 | 55.4 | 339.2 | 353.7 | 61.5 | 67.8 | 314.4 | 331.1 |
| 500 | 500.0 | 504.5 | 17.5 | 45.4 | 50.1 | 399.8 | 413.7 | 55.8 | 61.5 | 377.0 | 392.9 | 67.6 | 74.5 | 351.0 | 369.3 |
| 560 | 560.0 | 565.0 | 19.6 | 50.8 | 56.0 | 448.0 | 463.4 | 62.5 | 68.9 | 422.2 | 440.0 | 75.7 | 83.4 | 393.2 | 413.6 |
| 630 | 630.0 | 635.7 | 22.1 | 57.2 | 63.1 | 503.8 | 521.3 | 70.3 | 77.5 | 475.0 | 495.1 | 85.1 | 93.7 | 442.6 | 465.5 |
| 710 | 710.0 | 716.4 | 24.9 | 64.5 | 71.1 | 567.8 | 587.4 | 79.3 | 87.4 | 535.2 | 577.8 | - | - | - | - |
| 800 | 800.0 | 807.2 | 28.0 | 72.5 | 80.0 | 640.0 | 662.2 | 89.3 | 98.4 | 603.2 | 628.6 | - | - | - | - |
| 900 | 900.0 | 908.1 | | 81.7 | 90.0 | 720.0 | 744.7 | - | - | - | - | - | - | - | - |
| 1000 | 1000.0 | 1009.0 | | 90.2 | 99.4 | 801.2 | 828.6 | - | - | - | - | - | - | - | - |
| 1200 | 1200.0 | 1210.0 | | - | - | - | - | - | - | - | - | - | - | - | - |

*OUT OF ROUNDNESS.

16



PE 100 COILED PIPE - DIMENSIONS OVERVIEW

| SIZE (mm) | PN RATINGS | COIL LENGTH (m) | COIL ID (mm) | COIL OD (mm) | COIL WIDTH (mm) | COIL CAN BE NESTED INSIDE LARGER COIL OF MIN. SIZE |
|-----------|------------|-----------------|--------------|--------------|-----------------|--|
| 20 | 8-25 | 50 | 630 | 830 | 100 | DN50 |
| 20 | 8-25 | 100 | 630 | 830 | 200 | DN50 |
| 20 | 8-25 | 200 | 630 | 890 | 260 | DN63 |
| 20 | GAS | 200 | 880 | 1220 | 150 | DN75 |
| 25 | 8-25 | 50 | 630 | 830 | 170 | DN50 |
| 25 | 8-25 | 100 | 630 | 950 | 170 | DN75 |
| 25 | 8-25 | 200 | 630 | 990 | 300 | DN75 |
| 32 | 8-25 | 50 | 880 | 1120 | 165 | DN75 |
| 32 | 8-25 | 70 | 880 | 1180 | 165 | DN75 |
| 32 | 8-25 | 100 | 880 | 1180 | 230 | DN75 |
| 32 | 8-25 | 200 | 880 | 1280 | 300 | DN75 |
| 40 | 8-25 | 50 | 880 | 1110 | 290 | DN75 |
| 40 | 8-25 | 100 | 880 | 1250 | 290 | DN75 |
| 40 | 8-25 | 150 | 880 | 1380 | 290 | DN75 |
| 50 | 8-25 | 50 | 1030 | 1320 | 260 | DN75 |
| 50 | 8-25 | 100 | 1030 | 1570 | 260 | DN90 |
| 50 | 8-25 | 150 | 1030 | 1730 | 260 | DN90 |
| 50 | 8-25 | 200 | 1030 | 1820 | 290 | DN125 100m Coils |
| 63 | 12.5-25 | 100 | 1030 | 1700 | 300 | DN90 |
| 63 | 12.5-25 | 140 | 1030 | 1700 | 400 | DN90 |
| 63 | 12.5-25 | 200 | 1030 | 1900 | 400 | DN125 100m Coils |
| 63 | 10 | 100 | 1250 | 1900 | 270 | DN125 100m Coils |
| 63 | 10 | 140 | 1250 | 1900 | 370 | DN125 100m Coils |
| 63 | 10 | 200 | 1250 | 2020 | 400 | DN125 PN12.5 100m Coils |
| 75 | 8-25 | 100 | 1550 | 2080 | 400 | DN125 PN12.5 100m Coils |
| 90 | 8-25 | 100 | 2000 | 2640 | 380 | - |
| 110 | GAS | 50 | 2700 | 2900 | 410 | - |
| 110 | 10-25 | 100 | 2000 | 2760 | 470 | - |
| 110 | 10-25 | 200 | 2000 | 3150 | 580 | - |
| 110 | 8 | 100 | 2300 | 3100 | 470 | - |
| 125 | 12.5-25 | 100 | 2000 | 2870 | 530 | - |
| 125 | 10 | 100 | 2300 | 3160 | 470 | - |
| 140 | 12.5-25 | 100 | 2300 | 3300 | 510 | - |
| 160 | 12.5-25 | 80 | 2500 | 3350 | 590 | - |
| 160 | 12.5-25 | 100 | 2300 | 3410 | 590 | - |

ACU-TECH PIPE SYSTEM PRODUCTS

Acu-Black
Acu-Water
Acu-Fire
Acu-Therm

Acu-Gas
Acu-Rural
Acu-Comms
Acu-Power

Acu-Air
Acu-Sewer
Acu-Drain
Recycle-Tech



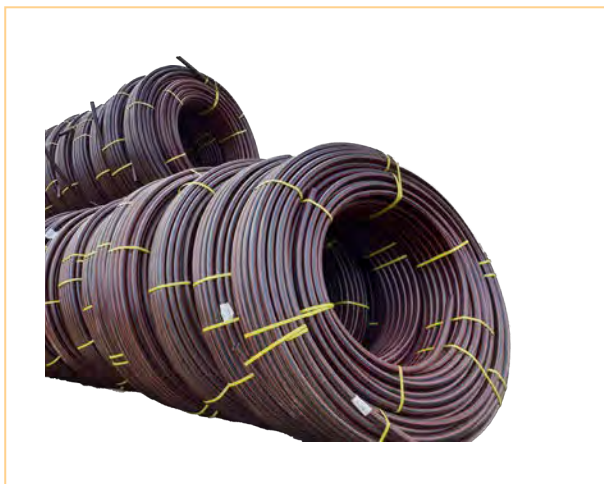
IMPERIAL (RURAL) POLYETHYLENE PIPE

PE100 • SDR17 • 900kPa

| SIZE (INCH) | | OD (mm) | AVERAGE WT (mm) | COIL LENGTH (m) | COIL ID (mm) | COIL OD (mm) | COIL WIDTH (mm) | COIL WEIGHT (kg) | NOTE |
|-------------|-----------------------|---------|-----------------|-----------------|--------------|--------------|-----------------|------------------|--------------|
| 1" | Red Stripe | 28.9 | 1.8 | 200 | 1280 | 1590 | 260 | 30.4 (ea) | *Nested Coil |
| 1" | White with Red Stripe | 28.9 | 1.8 | 200 | 1280 | 1590 | 260 | 30.4 (ea) | *Nested Coil |
| 1 ¼" | Red Stripe | 36.0 | 2.2 | 150 | 1325 | 1650 | 285 | 35.3 (ea) | *Nested Coil |
| 1 ¼" | White with Red Stripe | 36.0 | 2.2 | 150 | 1325 | 1650 | 285 | 35.3 (ea) | *Nested Coil |
| 1 ½" | Red Stripe | 43.2 | 2.6 | 150 | 1580 | 1855 | 300 | 49.8 (ea) | *Nested Coil |
| 1 ½" | White with Red Stripe | 43.2 | 2.6 | 150 | 1580 | 1855 | 300 | 49.8 (ea) | *Nested Coil |
| 1 ½" | Red Stripe | 43.2 | 2.6 | 300 | 865 | 1540 | 430 | 99.6 | |
| 1 ½" | White with Red Stripe | 43.2 | 2.6 | 300 | 865 | 1540 | 430 | 99.6 | |
| 2" | Red Stripe | 57.6 | 3.4 | 100 | 1600 | 2010 | 335 | 58.2 (ea) | *Nested Coil |
| 2" | White with Red Stripe | 57.6 | 3.4 | 100 | 1600 | 2010 | 335 | 58.2 (ea) | *Nested Coil |
| 2" | Red Stripe | 57.6 | 3.4 | 200 | 1600 | 2110 | 370 | 116.5 | |
| 2" | White with Red Stripe | 57.6 | 3.4 | 200 | 1600 | 2110 | 370 | 116.5 | |

Note: Selected coils are supplied as 'nested' and must be ordered in multiples of 2. One coil will be strapped inside the other.

18





Black Pipe (with no stripes):
May be used for all applications except for fuel gases



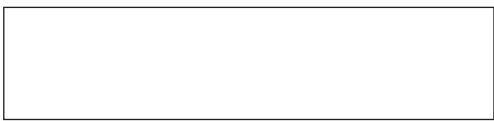
Black Pipe with Blue stripes:
Drinking water/potable water



Black Pipe with Yellow stripes *or* Full Yellow Jacket:
Fuel gases, process gases, liquified gases under pressure



Black Pipe with Red stripes:
Dedicated water for fire extinguishing supply lines



Full White Jacket:
Communications conduit



Black Pipe with Lilac/Purple stripes:
Recycled or reclaimed water



Full Orange Jacket:
Electrical conduit



Full White Jacket:
Above ground co-ex pipelines



Black Pipe with Cream stripes:
Sewer pipes



Black Pipe with Red/Brown stripes:
Rural imperial-size low-pressure pipe



BUTT WELD AND FABRICATED FITTINGS

Our extensive range of fabricated fittings includes sweep bends, junctions, true Y pieces, equal and reducing tees, and segmented bends ranging in size from 25mm - 800mm.

For more detailed information on fabricated items such as spools, manifolds, tanks and flanged pipe turn to page 88.

Call us now for more information on 1300 270 270.



| | | | |
|----------------------------|----|--------------------------------------|-------|
| 90° Sweep Bend_____ | 22 | Fabricated Reducing Tee_____ | 30-31 |
| 60° Sweep Bend_____ | 23 | Fabricated Equal Tee_____ | 32 |
| 45° Sweep Bend_____ | 24 | Fabricated True Y Junction_____ | 33 |
| 30° Sweep Bend_____ | 25 | Fabricated 45° Junction_____ | 34 |
| 15° Sweep Bend_____ | 26 | Short Spigot Eccentric Reducer_____ | 35 |
| 90° Segmented Bend_____ | 27 | Short Spigot Concentric Reducer_____ | 36-37 |
| 45° Segmented Bend_____ | 28 | Short Spigot End Cap_____ | 38 |
| 90° Short Radius Bend_____ | 29 | Shouldered End_____ | 39 |
| | | Custom and Specilised Fittings_____ | 40-41 |

90° SWEEP BEND (6754 / 6756)

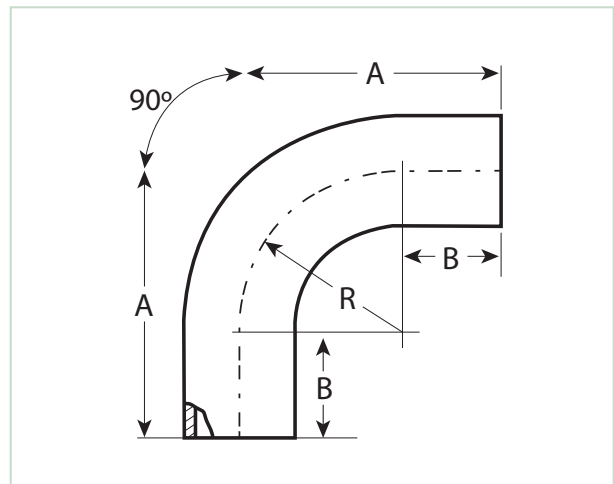
PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6754) | CODE SDR17 (6756) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 20 | 67540020 | 67560020 | 200 | 100 | 100 |
| 25 | 67540025 | 67560025 | 200 | 100 | 100 |
| 32 | 67540032 | 67560032 | 228 | 100 | 128 |
| 40 | 67540040 | 67560040 | 260 | 100 | 160 |
| 50 | 67540050 | 67560050 | 275 | 100 | 175 |
| 63 | 67540063 | 67560063 | 325 | 100 | 225 |
| 75 | 67540075 | 67560075 | 455 | 150 | 305 |
| 90 | 67540090 | 67560090 | 455 | 150 | 305 |
| 110 | 67540110 | 67560110 | 560 | 180 | 380 |
| 125 | 67540125 | 67560125 | 560 | 180 | 380 |
| 140 | 67540140 | 67560140 | 660 | 200 | 460 |
| 160 | 67540160 | 67560160 | 660 | 200 | 460 |
| 180 | 67540180 | 67560180 | 785 | 250 | 535 |
| 200 | 67540200 | 67560200 | 785 | 250 | 535 |
| 225 | 67540225 | 67560225 | 785 | 250 | 535 |
| 250 | 67540250 | 67560250 | 915 | 300 | 615 |
| 280 | 67540280 | 67560280 | 965 | 350 | 615 |
| 315 | 67540315 | 67560315 | 1115 | 400 | 715 |
| 355 | 67540355 | 67560355 | 1280 | 500 | 780 |
| 400 | 67540400 | 67560400 | 1620 | 550 | 1070 |
| 450 | 67540450 | 67560450 | 1650 | 550 | 1100 |
| 500 | 67540500 | 67560500 | 1950 | 700 | 1250 |
| 560 | 67540560 | 67560560 | 1982 | 700 | 1250 |
| 630 | 67540630 | 67560630 | 2015 | 700 | 1282 |
| 710 | 67540710 | 67560710 | 2700 | 900 | 1800 |
| 800 | 67540800 | 67560800 | 3000 | 900 | 2100 |

Note 1: This fitting is suitable for butt weld only and will need to be extended for electrofusion.

Note 2: Angle tolerance (+), (-) 5°.

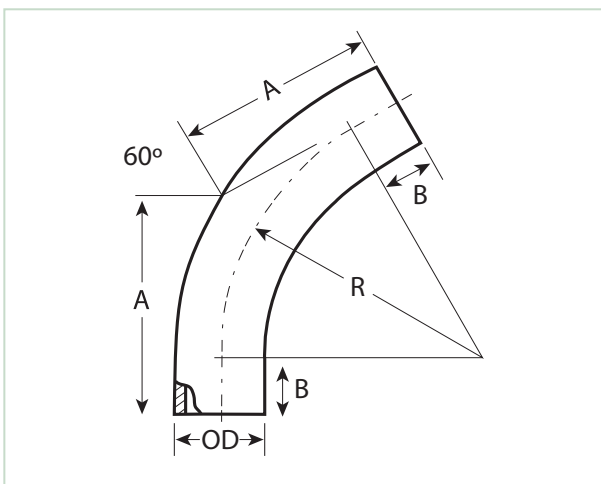
22



| SIZE (mm) | CODE SDR11 (6764) | CODE SDR17 (6766) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 20 | 67640020 | 67660020 | 155 | 100 | 100 |
| 25 | 67640025 | 67660025 | 155 | 100 | 100 |
| 32 | 67640032 | 67660032 | 170 | 100 | 128 |
| 40 | 67640040 | 67660040 | 190 | 100 | 160 |
| 50 | 67640050 | 67660050 | 200 | 100 | 175 |
| 63 | 67640063 | 67660063 | 230 | 100 | 225 |
| 75 | 67640075 | 67660075 | 320 | 150 | 305 |
| 90 | 67640090 | 67660090 | 320 | 150 | 305 |
| 110 | 67640110 | 67660110 | 400 | 180 | 380 |
| 125 | 67640125 | 67660125 | 400 | 180 | 380 |
| 140 | 67640140 | 67660140 | 465 | 200 | 460 |
| 160 | 67640160 | 67660160 | 465 | 200 | 460 |
| 180 | 67640180 | 67660180 | 560 | 250 | 535 |
| 200 | 67640200 | 67660200 | 560 | 250 | 535 |
| 225 | 67640225 | 67660225 | 560 | 250 | 535 |
| 250 | 67640250 | 67660250 | 655 | 300 | 615 |
| 280 | 67640280 | 67660280 | 705 | 350 | 615 |
| 315 | 67640315 | 67660315 | 810 | 400 | 715 |
| 355 | 67640355 | 67660355 | 950 | 500 | 780 |
| 400 | 67640400 | 67660400 | 1160 | 550 | 1070 |
| 450 | 67640450 | 67660450 | 1185 | 550 | 1100 |
| 500 | 67640500 | 67660500 | 1420 | 700 | 1250 |
| 560 | 67640560 | 67660560 | 1440 | 700 | 1282 |
| 630 | 67640630 | 67660630 | 1460 | 700 | 1315 |
| 710 | 67640710 | 67660710 | 1800 | 900 | 1562 |
| 800 | 67640800 | 67660800 | 1968 | 900 | 1850 |

Note 1: This fitting is suitable for butt weld only and will need to be extended for electrofusion.

Note 2: Angle tolerance (+), (-) 5°.



45° SWEEP BEND (6774 / 6776)

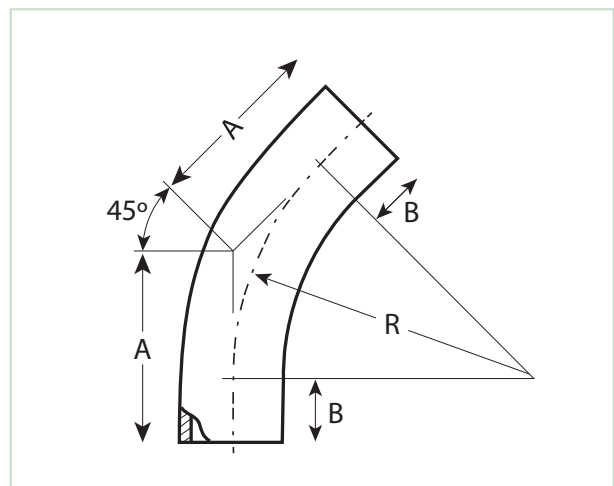
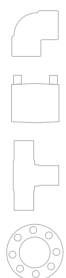
PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6774) | CODE SDR17 (6776) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 20 | 67740020 | 67760020 | 140 | 100 | 100 |
| 25 | 67740025 | 67760025 | 140 | 100 | 100 |
| 32 | 67740032 | 67760032 | 150 | 100 | 128 |
| 40 | 67740040 | 67760040 | 165 | 100 | 160 |
| 50 | 67740050 | 67760050 | 170 | 100 | 175 |
| 63 | 67740063 | 67760063 | 190 | 100 | 225 |
| 75 | 67740075 | 67760075 | 270 | 150 | 305 |
| 90 | 67740090 | 67760090 | 270 | 150 | 305 |
| 110 | 67740110 | 67760110 | 340 | 180 | 380 |
| 125 | 67740125 | 67760125 | 340 | 180 | 380 |
| 140 | 67740140 | 67760140 | 390 | 200 | 460 |
| 160 | 67740160 | 67760160 | 390 | 200 | 460 |
| 180 | 67740180 | 67760180 | 470 | 250 | 535 |
| 200 | 67740200 | 67760200 | 470 | 250 | 535 |
| 225 | 67740225 | 67760225 | 470 | 250 | 535 |
| 250 | 67740250 | 67760250 | 550 | 300 | 615 |
| 280 | 67740280 | 67760280 | 605 | 350 | 615 |
| 315 | 67740315 | 67760315 | 695 | 400 | 715 |
| 355 | 67740355 | 67760355 | 820 | 500 | 780 |
| 400 | 67740400 | 67760400 | 990 | 550 | 1070 |
| 450 | 67740450 | 67760450 | 1005 | 550 | 1100 |
| 500 | 67740500 | 67760500 | 1215 | 700 | 1250 |
| 560 | 67740560 | 67760560 | 1230 | 700 | 1282 |
| 630 | 67740630 | 67760630 | 1245 | 700 | 1315 |
| 710 | 67740710 | 67760710 | 1687 | 900 | 1900 |
| 800 | 67740800 | 67760800 | 1770 | 900 | 2100 |

Note 1: This fitting is suitable for butt weld only and will need to be extended for electrofusion.

Note 2: Angle tolerance (+), (-) 5°.

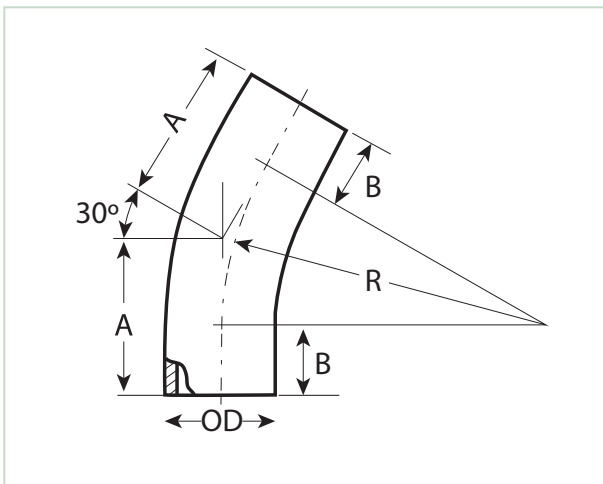
24



| SIZE (mm) | CODE SDR11 (6784) | CODE SDR17 (6786) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 20 | 67840020 | 67860020 | 130 | 100 | 100 |
| 25 | 67840025 | 67860025 | 130 | 100 | 100 |
| 32 | 67840032 | 67860032 | 134 | 100 | 128 |
| 40 | 67840040 | 67860040 | 140 | 100 | 160 |
| 50 | 67840050 | 67860050 | 146 | 100 | 175 |
| 63 | 67840063 | 67860063 | 160 | 100 | 225 |
| 75 | 67840075 | 67860075 | 230 | 150 | 305 |
| 90 | 67840090 | 67860090 | 230 | 150 | 305 |
| 110 | 67840110 | 67860110 | 280 | 180 | 380 |
| 125 | 67840125 | 67860125 | 280 | 180 | 380 |
| 140 | 67840140 | 67860140 | 320 | 200 | 460 |
| 160 | 67840160 | 67860160 | 320 | 200 | 460 |
| 180 | 67840180 | 67860180 | 320 | 250 | 535 |
| 200 | 67840200 | 67860200 | 320 | 250 | 535 |
| 225 | 67840225 | 67860225 | 400 | 250 | 535 |
| 250 | 67840250 | 67860250 | 460 | 300 | 615 |
| 280 | 67840280 | 67860280 | 510 | 350 | 615 |
| 315 | 67840315 | 67860315 | 605 | 400 | 715 |
| 355 | 67840355 | 67860355 | 710 | 500 | 780 |
| 400 | 67840400 | 67860400 | 830 | 550 | 1070 |
| 450 | 67840450 | 67860450 | 840 | 550 | 1100 |
| 500 | 67840500 | 67860550 | 1030 | 700 | 1250 |
| 560 | 67840560 | 67860560 | 1040 | 700 | 1282 |
| 630 | 67840630 | 67860630 | 1050 | 700 | 1315 |
| 710 | 67840710 | 67860710 | 1318 | 900 | 1562 |
| 800 | 67840800 | 67860800 | 1372 | 900 | 1760 |

Note 1: This fitting is suitable for butt weld only and will need to be extended for electrofusion.

Note 2: Angle tolerance (+), (-) 5°.



15° SWEEP BEND (6794 / 6796)

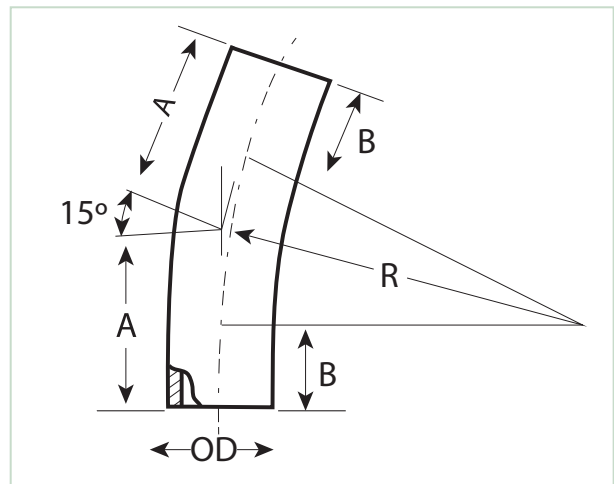
PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6794) | CODE SDR17 (6796) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 20 | 67940020 | 67960020 | 130 | 100 | 100 |
| 25 | 67940025 | 67960025 | 130 | 100 | 100 |
| 32 | 67940032 | 67960032 | 134 | 100 | 128 |
| 40 | 67940040 | 67960040 | 140 | 100 | 160 |
| 50 | 67940050 | 67960050 | 146 | 100 | 175 |
| 63 | 67940063 | 67960063 | 160 | 100 | 225 |
| 75 | 67940075 | 67960075 | 230 | 150 | 305 |
| 90 | 67940090 | 67960090 | 230 | 150 | 305 |
| 110 | 67940110 | 67960110 | 280 | 180 | 380 |
| 125 | 67940125 | 67960125 | 280 | 180 | 380 |
| 140 | 67940140 | 67960140 | 320 | 200 | 460 |
| 160 | 67940160 | 67960160 | 320 | 200 | 460 |
| 180 | 67940180 | 67960180 | 320 | 250 | 535 |
| 200 | 67940200 | 67960200 | 320 | 250 | 535 |
| 225 | 67940225 | 67960225 | 400 | 250 | 535 |
| 250 | 67940250 | 67960250 | 460 | 300 | 615 |
| 280 | 67940280 | 67960280 | 510 | 350 | 615 |
| 315 | 67940315 | 67960315 | 605 | 400 | 715 |
| 355 | 67940355 | 67960355 | 710 | 500 | 780 |
| 400 | 67940400 | 67960400 | 830 | 550 | 1070 |
| 450 | 67940450 | 67960450 | 840 | 550 | 1100 |
| 500 | 67940500 | 67960500 | 1030 | 700 | 1250 |
| 560 | 67940560 | 67960560 | 1040 | 700 | 1282 |
| 630 | 67940630 | 67960630 | 1050 | 700 | 1315 |
| 710 | 67940710 | 67960710 | 1105 | 900 | 1562 |
| 800 | 67940800 | 67960800 | 1132 | 900 | 1760 |

Note 1: This fitting is suitable for butt weld only and will need to be extended for electrofusion.

Note 2: Angle tolerance (+), (-) 5°.

26

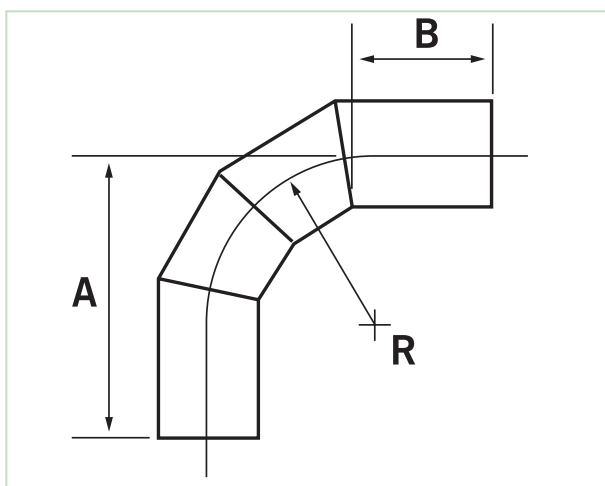


90° SEGMENTED BEND (6824 / 6826)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6824) | CODE SDR17 (6826) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 90 | 68240090 | 68260090 | 235 | 100 | 135 |
| 110 | 68240110 | 68260110 | 265 | 100 | 165 |
| 125 | 68240125 | 68260125 | 338 | 150 | 188 |
| 140 | 68240140 | 68260140 | 360 | 150 | 210 |
| 160 | 68240160 | 68260160 | 390 | 150 | 240 |
| 180 | 68240180 | 68260180 | 425 | 150 | 270 |
| 200 | 68240200 | 68260200 | 450 | 150 | 300 |
| 225 | 68240225 | 68260225 | 488 | 150 | 338 |
| 250 | 68240250 | 68260250 | 625 | 250 | 375 |
| 280 | 68240280 | 68260280 | 670 | 250 | 420 |
| 315 | 68240315 | 68260315 | 777 | 300 | 477 |
| 355 | 68240355 | 68260355 | 833 | 300 | 533 |
| 400 | 68240400 | 68260400 | 900 | 300 | 600 |
| 450 | 68240450 | 68260450 | 975 | 300 | 675 |
| 500 | 68240500 | 68260500 | 1100 | 350 | 750 |
| 560 | 68240560 | 68260560 | 1190 | 350 | 840 |
| 630 | 68240630 | 68260630 | 1295 | 350 | 945 |
| 710 | 68240710 | 68260710 | 1415 | 350 | 1065 |
| 800 | 68240800 | 68260800 | 1550 | 350 | 1200 |
| 900 | 68240900 | 68260900 | 1750 | 400 | 1350 |
| 1000 | 68241000 | 68261000 | 1900 | 400 | 1500 |
| 1200 | 68241200 | 68261200 | 2800 | 400 | 1800 |

Note 1: Pressure re-rating applies. Contact Acu-Tech for more information.



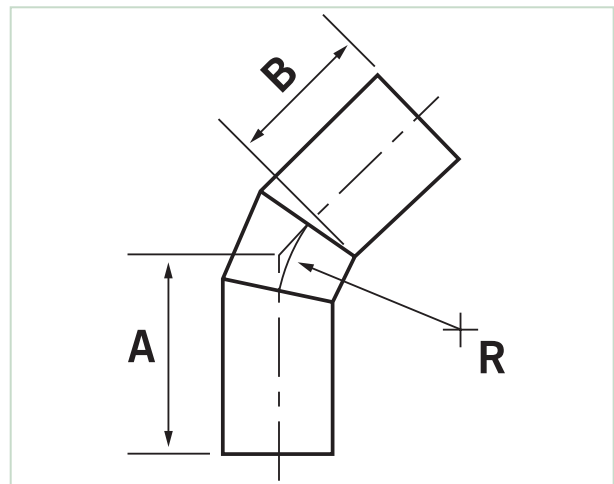
45° SEGMENTED BEND (6844 / 6846)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6844) | CODE SDR17 (6846) | A (mm) | B (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 90 | 68440090 | 68460090 | 156 | 100 | 135 |
| 110 | 68440110 | 68460110 | 168 | 100 | 165 |
| 125 | 68440125 | 68460125 | 227 | 150 | 188 |
| 140 | 68440140 | 68460140 | 237 | 150 | 210 |
| 160 | 68440160 | 68460160 | 249 | 150 | 240 |
| 180 | 68440180 | 68460180 | 261 | 150 | 270 |
| 200 | 68440200 | 68460200 | 274 | 150 | 300 |
| 225 | 68440225 | 68460225 | 290 | 150 | 338 |
| 250 | 68440250 | 68460250 | 412 | 250 | 375 |
| 280 | 68440280 | 68460280 | 474 | 250 | 420 |
| 315 | 68440315 | 68460315 | 498 | 300 | 477 |
| 355 | 68440355 | 68460355 | 520 | 300 | 533 |
| 400 | 68440400 | 68460400 | 548 | 300 | 600 |
| 450 | 68440450 | 68460450 | 580 | 300 | 675 |
| 500 | 68440500 | 68460500 | 665 | 350 | 750 |
| 560 | 68440560 | 68460560 | 698 | 350 | 840 |
| 630 | 68440630 | 68460630 | 741 | 350 | 945 |
| 710 | 68440710 | 68460710 | 791 | 350 | 1065 |
| 800 | 68440800 | 68460800 | 847 | 350 | 1200 |
| 900 | 68440900 | 68460900 | 940 | 400 | 1350 |
| 1000 | 68441000 | 68461000 | 1000 | 400 | 1500 |
| 1200 | 68441200 | 68461200 | 1120 | 400 | 1800 |

Note 1: Pressure re-rating applies. Contact Acu-Tech for more information.

28

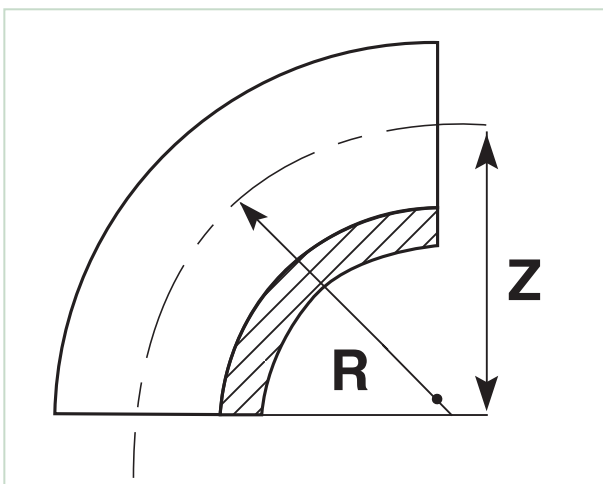


SHORT RADIUS 90° BEND (4054 / 4056)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (4054) | CODE SDR17 (4056) | Z (mm) | R (mm) |
|-----------|-------------------|-------------------|--------|--------|
| 63 | 40540063 | 40560063 | 66 | 63 |
| 75 | 40540075 | 40560075 | 78 | 75 |
| 90 | 40540090 | 40560090 | 93 | 90 |
| 110 | 40540110 | 40560110 | 115 | 110 |
| 125 | 40540125 | 40560125 | 130 | 125 |
| 140 | 40540140 | 40560140 | 145 | 140 |
| 160 | 40540160 | 40560160 | 167 | 160 |
| 180 | 40540180 | 40560180 | 200 | 180 |
| 200 | 40540200 | 40560200 | 207 | 200 |
| 225 | 40540225 | 40560225 | 232 | 225 |
| 250 | 40540250 | 40560250 | 257 | 285 |
| 280 | 40540280 | 40560280 | 287 | 287 |
| 315 | 40540315 | 40560315 | 322 | 322 |
| 355 | 40540355 | 40560355 | 380 | 380 |
| 400 | 40540400 | 40560400 | 425 | 425 |
| 450 | 40540450 | 40560450 | 450 | 450 |
| 500 | 40540500 | 40560500 | 450 | 450 |

Note: For butt weld only. Can be extended for electrofusion.



FABRICATED REDUCING TEE (6164 / 6166)

PE100 • SDR11 • SDR17

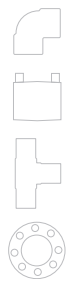
| CODE SDR11 (6164) | CODE SDR17 (6166) | OD 1 (mm) | OD 2 (mm) | A (mm) | B (mm) |
|----------------------|----------------------|--------------|--------------|-----------|-----------|
| 61642090 | 61662090 | 200 | 90 | 600 | 550 |
| 61642011 | 61662011 | 200 | 110 | 600 | 550 |
| 61642290 | 61662290 | 225 | 90 | 600 | 550 |
| 61642211 | 61662211 | 225 | 110 | 600 | 550 |
| 61642590 | 61662590 | 250 | 90 | 600 | 650 |
| 61642511 | 61662511 | 250 | 110 | 600 | 650 |
| 61642516 | 61662516 | 250 | 160 | 600 | 650 |
| 61642890 | 61662890 | 280 | 90 | 600 | 650 |
| 61642811 | 61662811 | 280 | 110 | 600 | 650 |
| 61642816 | 61662816 | 280 | 160 | 600 | 650 |
| 61642820 | 61662820 | 280 | 200 | 600 | 650 |
| 61643190 | 61663190 | 315 | 90 | 600 | 700 |
| 61643111 | 61663111 | 315 | 110 | 600 | 700 |
| 61643116 | 61663116 | 315 | 160 | 650 | 700 |
| 61643120 | 61663120 | 315 | 200 | 650 | 700 |
| 61643590 | 61663590 | 355 | 90 | 650 | 700 |
| 61643511 | 61663511 | 355 | 110 | 650 | 700 |
| 61643516 | 61663516 | 355 | 160 | 650 | 700 |
| 61643520 | 61663520 | 355 | 200 | 700 | 700 |
| 61643522 | 61663522 | 355 | 225 | 700 | 700 |
| 61643525 | 61663525 | 355 | 250 | 700 | 700 |
| 61644090 | 61664090 | 400 | 90 | 800 | 750 |
| 61644011 | 61664011 | 400 | 110 | 800 | 750 |
| 61644016 | 61664016 | 400 | 160 | 800 | 750 |
| 61644020 | 61664020 | 400 | 200 | 900 | 750 |
| 61644022 | 61664022 | 400 | 225 | 900 | 750 |
| 61644025 | 61664025 | 400 | 250 | 900 | 750 |
| 61644028 | 61664028 | 400 | 280 | 900 | 750 |
| 61644590 | 61664590 | 450 | 90 | 900 | 750 |
| 61644511 | 61664511 | 450 | 110 | 900 | 750 |
| 61644516 | 61664516 | 450 | 160 | 900 | 750 |
| 61644520 | 61664520 | 450 | 200 | 1000 | 750 |
| 61644522 | 61664522 | 450 | 225 | 1000 | 750 |
| 61644525 | 61664525 | 450 | 250 | 1000 | 800 |
| 61644528 | 61664528 | 450 | 280 | 1000 | 800 |
| 61644531 | 61664531 | 450 | 315 | 1000 | 800 |
| 61645016 | 61665016 | 500 | 160 | 1000 | 800 |
| 61645020 | 61665020 | 500 | 200 | 1000 | 800 |
| 61645022 | 61665022 | 500 | 225 | 1000 | 800 |
| 61645025 | 61665025 | 500 | 250 | 1000 | 900 |
| 61645028 | 61665028 | 500 | 280 | 1000 | 900 |
| 61645031 | 61665031 | 500 | 315 | 1000 | 900 |
| 61645035 | 61665035 | 500 | 355 | 1000 | 900 |

Note 1: Pressure re-rating applies. Contact Acu-Tech for more information.

Note 2: Standard fitting suitable for butt weld only. Can be modified to suit electrofusion if required, please contact us for more information.

Note 3: Fully rated tees available on request.

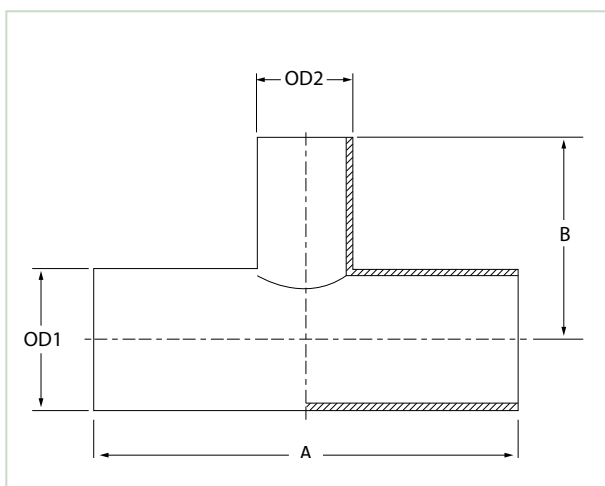
30



FABRICATED REDUCING TEE (6164 / 6166) Cont'd

PE100 • SDR11 • SDR17

| CODE SDR11 (6164) | CODE SDR17 (6166) | OD 1 (mm) | OD 2 (mm) | A (mm) | B (mm) |
|----------------------|----------------------|--------------|--------------|-----------|-----------|
| 61645620 | 61665620 | 560 | 200 | 1000 | 900 |
| 61645622 | 61665622 | 560 | 225 | 1000 | 900 |
| 61645625 | 61665625 | 560 | 250 | 1000 | 900 |
| 61645628 | 61665628 | 560 | 280 | 1000 | 1200 |
| 61645631 | 61665631 | 560 | 315 | 1000 | 1200 |
| 61645635 | 61665635 | 560 | 355 | 1000 | 1200 |
| 61646320 | 61666320 | 630 | 200 | 1000 | 1200 |
| 61646322 | 61666322 | 630 | 225 | 1000 | 1200 |
| 61646325 | 61666325 | 630 | 250 | 1000 | 1200 |
| 61646328 | 61666328 | 630 | 280 | 1000 | 1200 |
| 61646331 | 61666331 | 630 | 315 | 1100 | 1200 |
| 61646335 | 61666335 | 630 | 355 | 1100 | 1200 |
| 61646340 | 61666340 | 630 | 400 | 1200 | 1200 |
| 61646345 | 61666345 | 630 | 450 | 1200 | 1200 |
| 61647120 | 61667120 | 710 | 200 | 1000 | 855 |
| 61647122 | 61667122 | 710 | 225 | 1025 | 855 |
| 61647125 | 61667125 | 710 | 250 | 1050 | 855 |
| 61647128 | 61667128 | 710 | 280 | 1080 | 855 |
| 61647131 | 61667131 | 710 | 315 | 1115 | 855 |
| 61647135 | 61667135 | 710 | 355 | 1135 | 855 |
| 61647140 | 61667140 | 710 | 400 | 1200 | 1255 |
| 61647145 | 61667145 | 710 | 450 | 1250 | 1255 |
| 61648025 | 61668025 | 800 | 250 | 1050 | 900 |
| 61648028 | 61668028 | 800 | 280 | 1080 | 900 |
| 61648031 | 61668031 | 800 | 315 | 1115 | 900 |
| 61648035 | 61668035 | 800 | 355 | 1135 | 900 |
| 61648040 | 61668040 | 800 | 400 | 1200 | 1300 |
| 61648045 | 61668045 | 800 | 450 | 1250 | 1300 |
| 61648050 | 61668050 | 800 | 500 | 1300 | 1300 |



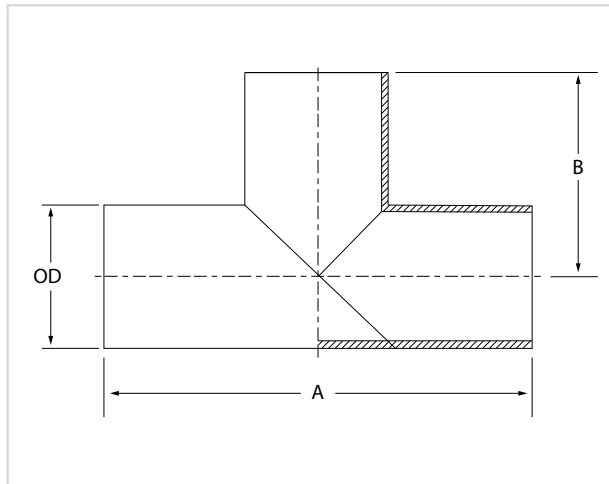
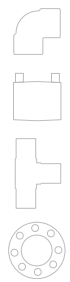
FABRICATED EQUAL TEE (6154 / 6156)

PE100 • SDR11 • SDR17

| CODE SDR11 (6154) | CODE SDR17 (6156) | OD (mm) | A (mm) | B (mm) |
|----------------------|----------------------|------------|-----------|-----------|
| 61540090 | 61560090 | 90 | 400 | 200 |
| 61540110 | 61560110 | 110 | 500 | 250 |
| 61540125 | 61560125 | 125 | 500 | 250 |
| 61540140 | 61560140 | 140 | 500 | 500 |
| 61540160 | 61560160 | 160 | 600 | 500 |
| 61540200 | 61560200 | 200 | 650 | 500 |
| 61540225 | 61560225 | 225 | 650 | 550 |
| 61540250 | 61560250 | 250 | 700 | 650 |
| 61540280 | 61560280 | 280 | 700 | 650 |
| 61540315 | 61560315 | 315 | 800 | 700 |
| 61540355 | 61560355 | 355 | 800 | 700 |
| 61540400 | 61560400 | 400 | 1000 | 1100 |
| 61540450 | 61560450 | 450 | 1100 | 1100 |
| 61540500 | 61560500 | 500 | 1200 | 1200 |
| 61540560 | 61560560 | 560 | 1200 | 1200 |
| 61540630 | 61560630 | 630 | 1200 | 1200 |
| 61540710 | 61560710 | 710 | 1500 | 1700 |
| 61540800 | 61560800 | 800 | 1600 | 1700 |
| 61541000 | 61561000 | 1000 | 1800 | 1700 |
| 61541200 | 61661200 | 1200 | 2400 | 1900 |

Note: Pressure re-rating applies. Contact Acu-Tech for more information.

32

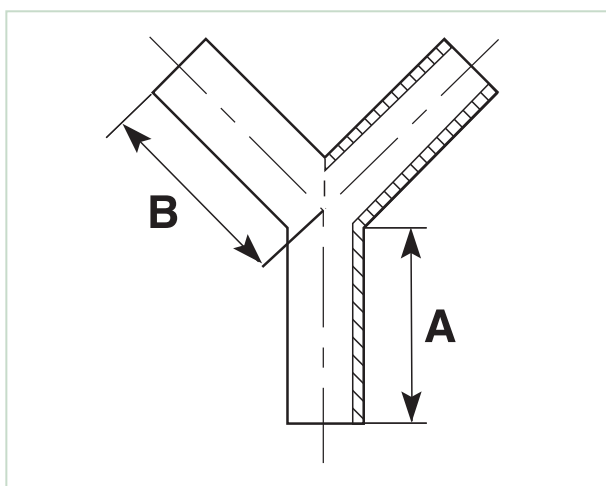


FABRICATED TRUE Y JUNCTION (6704 / 6706)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6704) | CODE SDR17 (6706) | A (mm) | B (mm) |
|-----------|-------------------|-------------------|--------|--------|
| 90 | 67040090 | 67060090 | 200 | 450 |
| 110 | 67040110 | 67060110 | 250 | 450 |
| 125 | 67040125 | 67060125 | 250 | 450 |
| 140 | 67040140 | 67060140 | 500 | 600 |
| 160 | 67040160 | 67060160 | 500 | 600 |
| 180 | 67040180 | 67060180 | 500 | 750 |
| 200 | 67040200 | 67060200 | 500 | 750 |
| 225 | 67040225 | 67060225 | 550 | 750 |
| 250 | 67040250 | 67060250 | 650 | 900 |
| 280 | 67040280 | 67060280 | 650 | 900 |
| 315 | 67040315 | 67060315 | 700 | 1050 |
| 355 | 67040355 | 67060355 | 700 | 1180 |
| 400 | 67040400 | 67060400 | 1100 | 1250 |
| 450 | 67040450 | 67060450 | 1100 | 1300 |
| 500 | 67040500 | 67060500 | 1200 | 1400 |
| 560 | 67040560 | 67060560 | 1200 | 1400 |
| 630 | 67040630 | 67060630 | 1200 | 1440 |
| 710 | 67040710 | 67060710 | 1550 | 1550 |
| 800 | 67040800 | 67060800 | 1600 | 1600 |
| 900 | 67040900 | 67060900 | 1600 | 1600 |
| 1000 | 67041000 | 67061000 | 1650 | 1650 |
| 1200 | 67041200 | 67061200 | 1700 | 1700 |

Note: Pressure re-rating applies. Contact Acu-Tech for more information.



FABRICATED 45° JUNCTION (6694 / 6696)

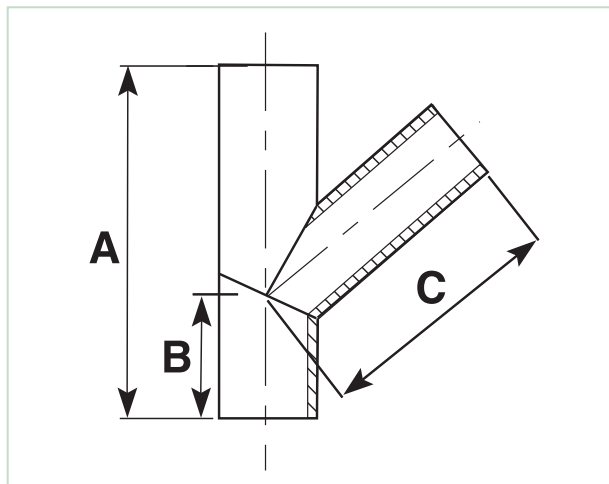
PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (6694) | CODE SDR17 (6696) | A (mm) | B (mm) | C (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 90 | 66940090 | 66960090 | 700 | 270 | 430 |
| 110 | 66940110 | 66960110 | 700 | 270 | 430 |
| 125 | 66940125 | 66960125 | 750 | 300 | 450 |
| 140 | 66940140 | 66960140 | 780 | 300 | 480 |
| 160 | 66940160 | 66960160 | 850 | 330 | 520 |
| 180 | 66940180 | 66960180 | 950 | 360 | 590 |
| 200 | 66940200 | 66960200 | 960 | 370 | 590 |
| 225 | 66940225 | 66960225 | 1080 | 420 | 660 |
| 250 | 66940250 | 66960250 | 1150 | 450 | 710 |
| 280 | 66940280 | 66960280 | 1250 | 500 | 750 |
| 315 | 66940315 | 66960315 | 1350 | 530 | 820 |
| 355 | 66940355 | 66960355 | 1450 | 570 | 880 |
| 400 | 66940400 | 66960400 | 1550 | 600 | 950 |
| 450 | 66940450 | 66960450 | 1850 | 650 | 1200 |
| 500 | 66940500 | 66960500 | 2100 | 700 | 1400 |
| 560 | 66940560 | 66960560 | 2200 | 800 | 1400 |
| 630 | 66940630 | 66960630 | 2300 | 800 | 1500 |
| 710 | 66940710 | 66960710 | 2600 | 900 | 1700 |
| 800 | 66940800 | 66960800 | 2800 | 1000 | 1800 |
| 900 | 66940900 | 66960900 | 3100 | 1000 | 2100 |
| 1000 | 66941000 | 66961000 | 3300 | 1100 | 2200 |
| 1200 | 66941200 | 66961200 | 3600 | 1200 | 2400 |

Note 1: Pressure re-rating applies. Contact Acu-Tech for more information.

Note 2: Fully pressure rated injection moulded junctions available on request.

34

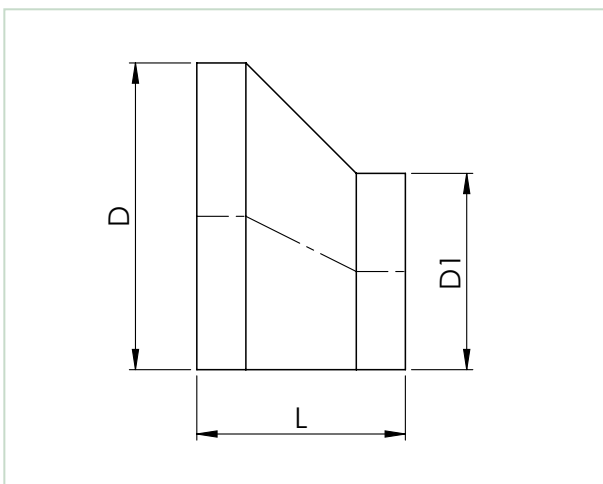


SHORT SPIGOT ECCENTRIC REDUCER (4044 / 4046)

PE100 • SDR11 • SDR17

| D (mm) | D1 (mm) | CODE SDR11 (4044) | CODE SDR17 (4046) | L (mm) |
|--------|---------|-------------------|-------------------|--------|
| 160 | 90 | 40441690 | 40461690 | 140 |
| 160 | 110 | 40441611 | 40461611 | 120 |
| 160 | 125 | 40441612 | 40461612 | 110 |
| 160 | 140 | 40441614 | 40461614 | 100 |
| 180 | 110 | 40441811 | 40461811 | 140 |
| 180 | 125 | 40441812 | 40461812 | 130 |
| 180 | 140 | 40441814 | 40461814 | 120 |
| 180 | 160 | 40441816 | 40461816 | 100 |
| 200 | 125 | 40442012 | 40462012 | 150 |
| 200 | 140 | 40442014 | 40462014 | 130 |
| 200 | 160 | 40442016 | 40462016 | 120 |
| 200 | 180 | 40442018 | 40462018 | 100 |
| 225 | 140 | 40442214 | 40462214 | 160 |
| 225 | 160 | 40442216 | 40462216 | 140 |
| 225 | 180 | 40442218 | 40462218 | 120 |
| 225 | 200 | 40442220 | 40462220 | 110 |
| 250 | 160 | 40442516 | 40462516 | 170 |
| 250 | 180 | 40442518 | 40462518 | 150 |
| 250 | 200 | 40442520 | 40462520 | 130 |
| 250 | 225 | 40442522 | 40462522 | 110 |
| 280 | 180 | 40442818 | 40462818 | 180 |
| 280 | 200 | 40442820 | 40462820 | 160 |
| 280 | 225 | 40442822 | 40462822 | 140 |
| 280 | 250 | 40442825 | 40462825 | 120 |
| 315 | 200 | 40443120 | 40463120 | 190 |
| 315 | 225 | 40443122 | 40463122 | 170 |
| 315 | 250 | 40443125 | 40463125 | 150 |
| 315 | 280 | 40443128 | 40463128 | 130 |

| D (mm) | D1 (mm) | CODE SDR11 (4044) | CODE SDR17 (4046) | L (mm) |
|--------|---------|-------------------|-------------------|--------|
| 355 | 225 | 40443522 | 40463522 | 210 |
| 355 | 250 | 40443525 | 40463525 | 190 |
| 355 | 280 | 40443528 | 40463528 | 150 |
| 355 | 315 | 40443531 | 40463531 | 130 |
| 400 | 250 | 40444025 | 40464025 | 230 |
| 400 | 280 | 40444028 | 40464028 | 200 |
| 400 | 315 | 40444031 | 40464031 | 170 |
| 400 | 355 | 40444035 | 40464035 | 140 |
| 450 | 280 | 40444528 | 40464528 | 250 |
| 450 | 315 | 40444531 | 40464531 | 220 |
| 450 | 355 | 40444535 | 40464535 | 190 |
| 450 | 400 | 40444540 | 40464540 | 150 |
| 500 | 280 | 40445028 | 40465028 | 290 |
| 500 | 315 | 40445031 | 40465031 | 260 |
| 500 | 355 | 40445035 | 40465035 | 230 |
| 500 | 400 | 40445040 | 40465040 | 200 |
| 500 | 450 | 40445045 | 40465045 | 160 |
| 560 | 400 | 40445640 | 40465640 | 250 |
| 560 | 450 | 40445645 | 40465645 | 210 |
| 560 | 500 | 40445650 | 40465650 | 170 |
| 630 | 450 | 40446345 | 40466345 | 270 |
| 630 | 500 | 40446350 | 40466350 | 230 |
| 630 | 560 | 40446356 | 40466356 | 180 |
| 710 | 560 | - | 40467156 | 240 |
| 710 | 630 | - | 40467163 | 180 |
| 800 | 630 | - | 40468063 | 270 |
| 800 | 710 | - | 40468071 | 190 |
| 900 | 710 | - | 40469071 | 280 |
| 900 | 800 | - | 40469080 | 210 |



SHORT SPIGOT CONCENTRIC REDUCER (4034 / 4036)

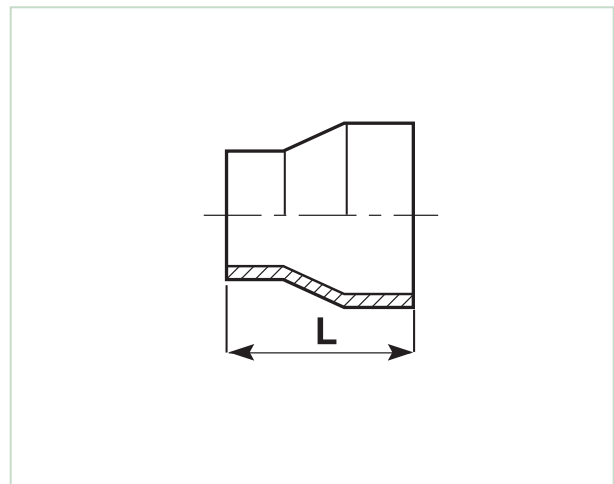
PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (4034) | CODE SDR17 (4036) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 63 x 50 | 40346350 | 40366350 | 60 |
| 75 x 50 | 40347550 | 40367550 | 70 |
| 75 x 63 | 40347563 | 40367563 | 85 |
| 90 x 50 | 40349050 | 40369050 | 75 |
| 90 x 63 | 40349063 | 40369063 | 75 |
| 90 x 75 | 40349075 | 40369075 | 75 |
| 110 x 50 | 40341150 | 40361150 | 90 |
| 110 x 63 | 40341163 | 40361163 | 105 |
| 110 x 75 | 40341175 | 40361175 | 95 |
| 110 x 90 | 40341190 | 40361190 | 100 |
| 125 x 63 | 40341263 | 40361263 | 120 |
| 125 x 75 | 40341275 | 40361275 | 100 |
| 125 x 90 | 40341290 | 40361290 | 110 |
| 125 x 110 | 40341211 | 40361211 | 102 |
| 140 x 63 | 40341463 | 40361463 | 110 |
| 140 x 75 | 40341475 | 40361475 | 110 |
| 140 x 90 | 40341490 | 40361490 | 110 |
| 140 x 110 | 40341411 | 40361411 | 110 |
| 140 x 125 | 40341412 | 40361412 | 110 |
| 160 x 63 | 40341663 | 40361663 | 120 |
| 160 x 75 | 40341675 | 40361675 | 120 |
| 160 x 90 | 40341690 | 40361690 | 140 |
| 160 x 110 | 40341611 | 40361611 | 128 |
| 160 x 125 | 40341612 | 40361612 | 122 |
| 160 x 140 | 40341614 | 40361614 | 120 |
| 180 x 63 | 40341863 | 40361863 | 120 |
| 180 x 75 | 40341875 | 40361875 | 120 |

| SIZE (mm) | CODE SDR11 (4034) | CODE SDR17 (4036) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 180 x 90 | 40341890 | 40361890 | 143 |
| 180 x 110 | 40341811 | 40361811 | 130 |
| 180 x 125 | 40341812 | 40361812 | 143 |
| 180 x 160 | 40341816 | 40361816 | 130 |
| 200 x 63 | 40342063 | 40362063 | 120 |
| 200 x 75 | 40342075 | 40362075 | 120 |
| 200 x 90 | 40342090 | 40362090 | 120 |
| 200 x 110 | 40342011 | 40362011 | 120 |
| 200 x 125 | 40342012 | 40362012 | 120 |
| 200 x 160 | 40342016 | 40362016 | 120 |
| 200 x 140 | 40342014 | 40362014 | 120 |
| 200 x 180 | 40342018 | 40362018 | 120 |
| 225 x 90 | 40342290 | 40362290 | 120 |
| 225 x 110 | 40342211 | 40362211 | 120 |
| 225 x 125 | 40342212 | 40362212 | 120 |
| 225 x 140 | 40342214 | 40362214 | 115 |
| 225 x 160 | 40342216 | 40362216 | 115 |
| 225 x 180 | 40342218 | 40362218 | 115 |
| 225 x 200 | 40342220 | 40362220 | 115 |
| 250 x 90 | 40342590 | 40362590 | 120 |
| 250 x 110 | 40342511 | 40362511 | 120 |
| 250 x 125 | 40342512 | 40362512 | 120 |
| 250 x 140 | 40342514 | 40362514 | 115 |
| 250 x 160 | 40342516 | 40362516 | 115 |
| 250 x 180 | 40342518 | 40362518 | 115 |
| 250 x 200 | 40342520 | 40362520 | 115 |
| 250 x 225 | 40342522 | 40362522 | 115 |

Note: Sizes available up to 1200mm.

36

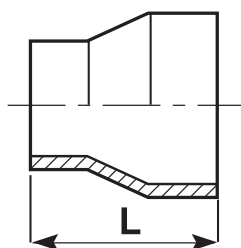


SHORT SPIGOT CONCENTRIC REDUCER (4034 / 4036) Cont'd

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (4034) | CODE SDR17 (4036) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 280 x 90 | 40342890 | 40362890 | 120 |
| 280 x 110 | 40342811 | 40362811 | 120 |
| 280 x 125 | 40342812 | 40362812 | 120 |
| 280 x 140 | 40342814 | 40362814 | 115 |
| 280 x 160 | 40342816 | 40362816 | 115 |
| 280 x 180 | 40342818 | 40362818 | 115 |
| 280 x 200 | 40342820 | 40362820 | 115 |
| 280 x 225 | 40342822 | 40362822 | 115 |
| 280 x 250 | 40342825 | 40362825 | 115 |
| 315 x 90 | 40343190 | 40363190 | 120 |
| 315 x 110 | 40343111 | 40363111 | 120 |
| 315 x 125 | 40343112 | 40363112 | 120 |
| 315 x 140 | 40343114 | 40363114 | 120 |
| 315 x 160 | 40343116 | 40363116 | 120 |
| 315 x 180 | 40343118 | 40363118 | 120 |
| 315 x 200 | 40343120 | 40363120 | 120 |
| 315 x 225 | 40343122 | 40363122 | 120 |
| 315 x 250 | 40343125 | 40363125 | 120 |
| 315 x 280 | 40343128 | 40363128 | 120 |
| 355 x 90 | 40343590 | 40363590 | 120 |
| 355 x 110 | 40343511 | 40363511 | 120 |
| 355 x 125 | 40343512 | 40363512 | 120 |
| 355 x 140 | 40343514 | 40363514 | 120 |
| 355 x 160 | 40343516 | 40363516 | 120 |
| 355 x 180 | 40343518 | 40363518 | 120 |
| 355 x 200 | 40343520 | 40363520 | 120 |
| 355 x 225 | 40343522 | 40363522 | 120 |
| 355 x 250 | 40343525 | 40363525 | 120 |
| 355 x 280 | 40343528 | 40363528 | 120 |

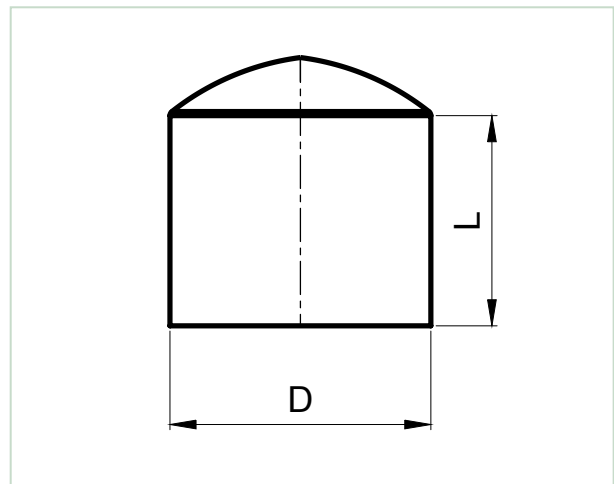
| SIZE (mm) | CODE SDR11 (4034) | CODE SDR17 (4036) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 355 x 315 | 40343531 | 40363531 | 120 |
| 400 x 90 | 40344090 | 40364090 | 125 |
| 400 x 110 | 40344011 | 40364011 | 125 |
| 400 x 125 | 40344012 | 40364012 | 125 |
| 400 x 140 | 40344014 | 40364014 | 125 |
| 400 x 160 | 40344016 | 40364016 | 125 |
| 400 x 180 | 40344018 | 40364018 | 125 |
| 400 x 200 | 40344020 | 40364020 | 125 |
| 400 x 225 | 40344022 | 40364022 | 125 |
| 400 x 250 | 40344025 | 40364025 | 125 |
| 400 x 280 | 40344028 | 40364028 | 125 |
| 400 x 315 | 40344031 | 40364031 | 125 |
| 400 x 355 | 40344035 | 40364035 | 125 |
| 450 x 160 | 40344516 | 40364516 | 125 |
| 450 x 180 | 40344518 | 40364518 | 125 |
| 450 x 200 | 40344520 | 40364520 | 125 |
| 450 x 225 | 40344522 | 40364522 | 125 |
| 450 x 250 | 40344525 | 40364525 | 125 |
| 450 x 280 | 40344528 | 40364528 | 125 |
| 450 x 315 | 40344531 | 40364531 | 125 |
| 450 x 355 | 40344535 | 40364535 | 125 |
| 500 x 200 | 40345020 | 40365020 | 125 |
| 500 x 225 | 40345022 | 40365022 | 125 |
| 500 x 250 | 40345025 | 40365025 | 125 |
| 500 x 280 | 40345028 | 40365028 | 125 |
| 500 x 315 | 40345031 | 40365031 | 125 |
| 500 x 355 | 40345035 | 40365035 | 125 |
| 500 x 400 | 40345040 | 40365040 | 125 |
| 500 x 450 | 40345045 | 40365045 | 125 |



SHORT SPIGOT END CAP (4274 / 4276)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (4274) | CODE SDR17 (4276) | L (mm) |
|--------------|----------------------|----------------------|-----------|
| 125 | 42740125 | 42760125 | 35 |
| 140 | 42740140 | 42760140 | 35 |
| 160 | 42740160 | 42760160 | 40 |
| 180 | 42740180 | 42760180 | 45 |
| 200 | 42740200 | 42760200 | 45 |
| 225 | 42740225 | 42760225 | 50 |
| 250 | 42740250 | 42760250 | 55 |
| 280 | 42740280 | 42760280 | 60 |
| 315 | 42740315 | 42760315 | 65 |
| 355 | 42740355 | 42760355 | 70 |
| 400 | 42740400 | 42760400 | 75 |
| 450 | 42740450 | 42760450 | 85 |
| 500 | 42740500 | 42760500 | 90 |
| 560 | 42740560 | 42760560 | 100 |
| 630 | 42740630 | 42760630 | 110 |
| 710 | 42740710 | 42760710 | 120 |
| 800 | 42740800 | 42760800 | 130 |
| 900 | 42740900 | 42760900 | 140 |



38

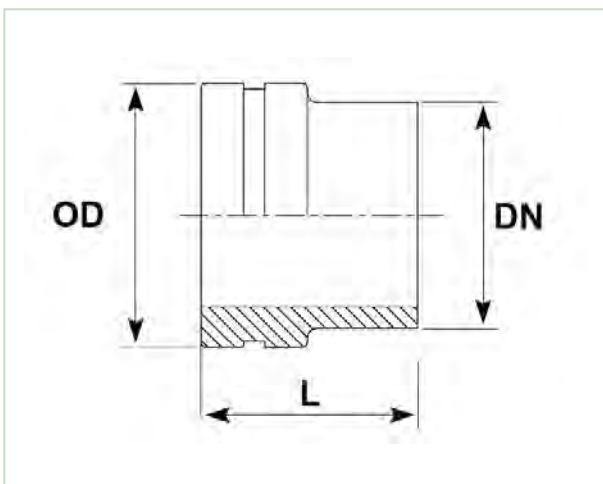


SHOULDERED END (4724 / 4726)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (4724) | CODE SDR17 (4726) | OD (mm) | L (mm) |
|-----------|-------------------|-------------------|---------|--------|
| 63 | 47240063 | 47260063 | 66.5 | 70 |
| 90 | 47240090 | 47260090 | 97 | 60 |
| 110 | 47240110 | 47260110 | 112 | 60 |
| 125 | 47240125 | 47260125 | 174.5 | 65 |
| 160 | 47240160 | 47260160 | 174.5 | 65 |
| 180 | 47240180 | 47260180 | 232 | 65 |
| 200 | 47240200 | 47260200 | 232 | 75 |
| 225 | 47240225 | 47260225 | 232 | 87 |
| 250 | 47240250 | 47260250 | 286 | 80 |
| 280 | 47240280 | 47260280 | 336.5 | 85 |
| 315 | 47240315 | 47260315 | 336.5 | 85 |
| 355 | 47240355 | 47260355 | 368.5 | 85 |
| 400 | 47240400 | 47260400 | 470 | 100 |
| 450 | 47240450 | 47260450 | 470 | 100 |

Note: Other sizes and SDR's are available on request.



Acu-Tech offers custom and specialised fittings including fully pressure rated tees, junctions and flanges machined from solid and hollow bar.



Perforated Pipe



Cross



Puddle Flange



Hardback Bend





Short Spigot Reducing Tees



Long Spigot Equal Tees



Invert Reducing Tees



45° Spigot Y Junction Tees



Scour Tees



FLANGES, BACKING RINGS & GASKETS

Acu-Tech offers the complete package of PE stub flanges, galvanised or stainless steel backing rings, and packaged bolt sets. We also offer flange gaskets in a range of materials including fibre, rubber and the revolutionary Steel-Core rubber profile. Backing rings in AS4087, DIN, Table F and H patterns are available to order.

Please call our sales team on 1300 270 270 for further information.



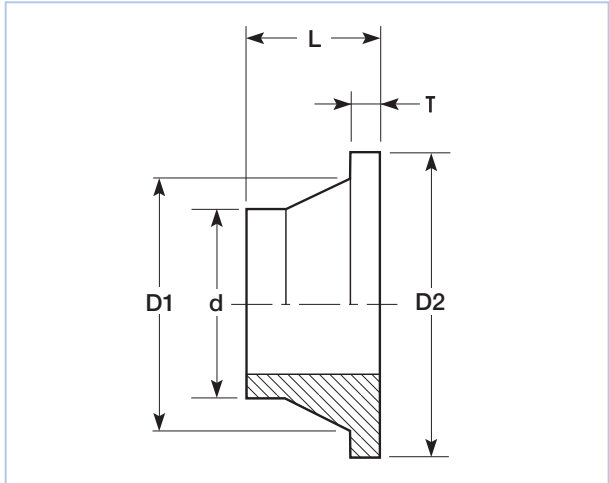
| | | | |
|----------------------------------|-------|---------------------------------------|-------|
| Butt Weld Stub Flange_____ | 44 | DCI Female Threaded Tapping Band_____ | 52-53 |
| Long Spigot Stub Flange_____ | 45 | EPDM Flange Gasket_____ | 54 |
| Max Flange_____ | 46 | Fibre Flange Gasket_____ | 55 |
| Blind Flange_____ | 47 | Steel Core Flange Gasket_____ | 56-57 |
| Table D Backing Ring_____ | 48 | Butterfly Valve Spacer_____ | 58 |
| Table E Backing Ring_____ | 49 | Bolt Sets_____ | 59 |
| Table ANSI 150 Backing Ring_____ | 50-51 | | |

BUTT WELD STUB FLANGE (4414 / 4416)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (4414) | CODE SDR17 (4416) | D1 (mm) | D2 (mm) | L (mm) | T (mm) |
|-----------|-------------------|-------------------|---------|---------|--------|--------|
| 63 | 44140063 | 44160063 | 74 | 95 | 50 | 14 |
| 75 | 44140075 | 44160075 | 88 | 108 | 50 | 16 |
| 90 | 44140090 | 44160090 | 103 | 129 | 60 | 20 |
| 110 | 44140110 | 44160110 | 124 | 160 | 60 | 20 |
| 125 | 44140125 | 44160125 | 132 | 160 | 65 | 25 |
| 140 | 44140140 | 44160140 | 154 | 192 | 65 | 25 |
| 160 | 44140160 | 44160160 | 168 | 213 | 65 | 25 |
| 180 | 44140180 | 44160180 | 185 | 213 | 65 | 30 |
| 200 | 44140200 | 44160200 | 225 | 270 | 75 | 30 |
| 225 | 44140225 | 44160225 | 230 | 270 | 80 | 30 |
| 250 | 44140250 | 44160250 | 284 | 334 | 80 | 35 |
| 280 | 44140280 | 44160280 | 290 | 334 | 85 | 35 |
| 315 | 44140315 | 44160315 | 335 | 380 | 90 | 40 |
| 355 | 44140355 | 44160355 | 366 | 444 | 100 | 40 |
| 400 | 44140400 | 44160400 | 420 | 495 | 100 | 45 |
| 450 | 44140450 | 44160450 | 466 | 545 | 110 | 55 |
| 500 | 44140500 | 44160500 | 520 | 596 | 125 | 60 |
| 560 | 44140560 | 44160560 | 582 | 657 | 130 | 60 |
| 630 | 44140630 | 44160630 | 650 | 710 | 130 | 60 |
| 710 | 44140710 | 44160710 | 735 | 800 | 130 | 70/65 |
| 800 | 44140800 | 44160800 | 825 | 940 | 130 | 80 |
| 900 | 44140900 | 44160900 | 944 | 1050 | 170 | 93 |
| 1000 | 44141000 | 44161000 | 1052 | 1125 | 183 | 113 |

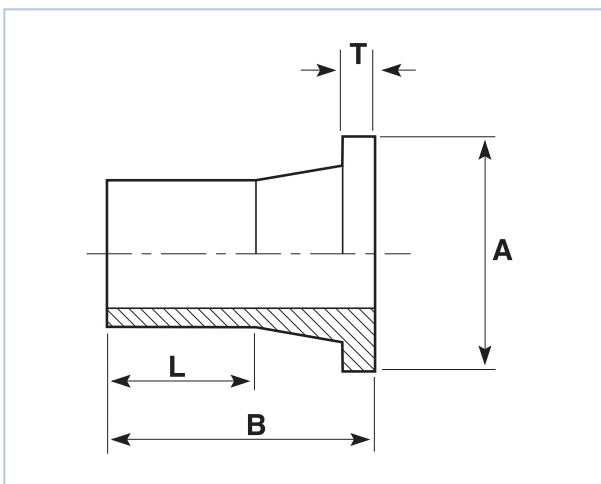
44



LONG SPIGOT STUB FLANGE (3414 / 3416)

PE100 • SDR11 • SDR17

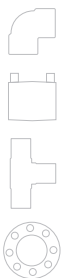
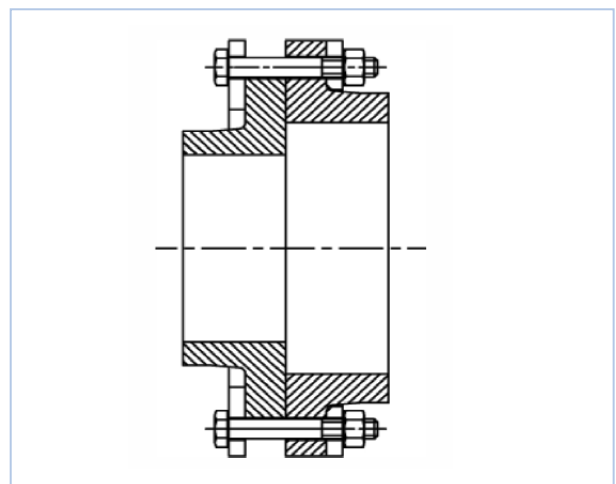
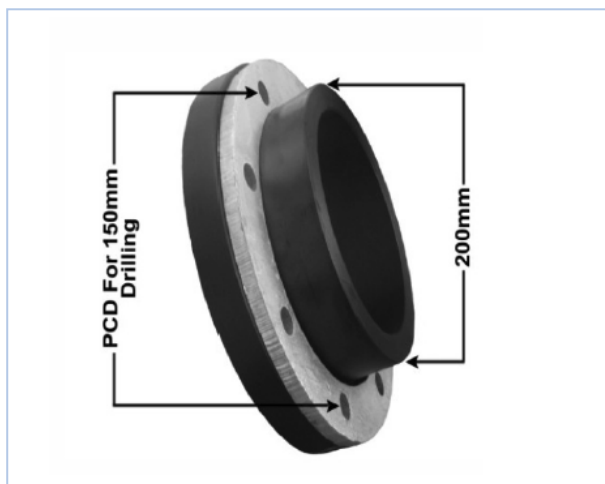
| SIZE (mm) | CODE SDR11 (3414) | CODE SDR17 (3416) | A (mm) | B (mm) | L (mm) | T (mm) |
|-----------|-------------------|-------------------|--------|----------|--------|--------|
| 20 | 34140020 | - | 50 | 66 | 46 | 7 |
| 25 | 34140025 | - | 58 | 91 | 45 | 9 |
| 32 | 34140032 | - | 68 | 88 | 60 | 10 |
| 40 | 34140040 | - | 78 | 100 | 60 | 12 |
| 50 | 34140050 | - | 87 | 100 | 65 | 13 |
| 63 | 34140063 | 34160063 | 102 | 117 | 63 | 14 |
| 75 | 34140075 | 34160075 | 122 | 127 | 85 | 16 |
| 90 | 34140090 | 34160090 | 138 | 136 | 79 | 17 |
| 110 | 34140110 | 34160110 | 158 | 136 | 82 | 18 |
| 125 | 34140125 | 34160125 | 158 | 179 | 92 | 25 |
| 140 | 34140140 | 34160140 | 188 | 288 | 103 | 25 |
| 160 | 34140160 | 34160160 | 212 | 179 | 98 | 25 |
| 180 | 34140180 | 34160180 | 212 | 175 | 106 | 30 |
| 200 | 34140200 | 34160200 | 268 | 179 | 115 | 32 |
| 225 | 34140225 | 34160225 | 268 | 179 | 125 | 32 |
| 250 | 34140250 | 34160250 | 320 | 284 | 180 | 32 |
| 280 | 34140280 | 34160280 | 320 | 245 | 156 | 35 |
| 315 | 34140315 | 34160315 | 370 | 270 | 185 | 35 |
| 355 | 34140355 | 34160355 | 430 | 280 | 172 | 30 |
| 400 | 34140400 | 34160400 | 482 | 220 | 195 | 33 |
| 450 | 34140450 | 34160450 | 585 | 326- 340 | 220 | 60 |
| 500 | 34140500 | 34160500 | 585 | 330- 344 | 234 | 60 |
| 560 | 34140560 | 34160560 | 685 | 370- 380 | 260 | 60 |
| 630 | 34140630 | 34160630 | 685 | 360- 375 | 270 | 65 |



| NOMINAL BORE SIZE | | PE PIPE SIZE |
|-------------------|-----|--------------|
| INCH | MM | (mm) |
| 2" | 50 | 75 |
| 2 ½" | 65 | 90 |
| 3" | 80 | 110 |
| 4" | 100 | 125 |
| 4" | 100 | 140 |
| 5" | 125 | 160 |
| 6" | 150 | 180 |
| 6" | 150 | 200 |
| 8" | 200 | 250 |
| 9" | 225 | 280 |
| 10" | 250 | 280 |
| 10" | 250 | 315 |
| 12" | 300 | 355 |
| 14" | 350 | 400 |
| 16" | 400 | 450 |

Full nominal bore, full sealing face, maximum strength.
Addresses the issue of bore size versus flange size in HDPE pipe at PN12.5 or higher pressure ratings.

Note: Flange table to be specified.



| SIZE (mm) | NOMINAL FLANGE SIZE | INCH SIZE | TABLE D GALV (5471) | TABLE D STAINLESS (5472) | TABLE E GALV (5481) | TABLE E STAINLESS (5482) | ANSI 150LB GALV (5491) | ANSI 150LB STAINLESS (5492) |
|-----------|---------------------|-----------|---------------------|--------------------------|---------------------|--------------------------|------------------------|-----------------------------|
| 20 | 15 | ½" | 54710020 | 54720020 | 54810020 | 54820020 | 54910020 | 54920020 |
| 25 | 20 | ¾" | 54710025 | 54720025 | 54810025 | 54820025 | 54910025 | 54920025 |
| 32 | 25 | 1" | 54710032 | 54720032 | 54810032 | 54820032 | 54910032 | 54920032 |
| 40 | 32 | 1¼" | 54710040 | 54720040 | 54810040 | 54820040 | 54910040 | 54920040 |
| 50 | 40 | 1½" | 54710050 | 54720050 | 54810050 | 54820050 | 54910050 | 54920050 |
| 63 | 50 | 2" | 54710063 | 54720063 | 54810063 | 54820063 | 54910063 | 54920063 |
| 75 | 65 | 2½" | 54710075 | 54720075 | 54810075 | 54820075 | 54910075 | 54920075 |
| 90 | 80 | 3" | 54710090 | 54720090 | 54810090 | 54820090 | 54910090 | 54920090 |
| 110 | 100 | 4" | 54710110 | 54720110 | 54810110 | 54820110 | 54910110 | 54920110 |
| 125 | 100 | 4" | 54714125 | 54724125 | 54814125 | 54824125 | 54914125 | 54924125 |
| 125 | 125 | 5" | 54715125 | 54725125 | 54815125 | 54825125 | 54915125 | 54925125 |
| 160 | 150 | 6" | 54710160 | 54720160 | 54810160 | 54820160 | 54910160 | 54920160 |
| 180 | 150 | 6" | 54710180 | 54720180 | 54810180 | 54820180 | 54910180 | 54920180 |
| 200 | 200 | 8" | 54710200 | 54720200 | 54810200 | 54820200 | 54910200 | 54920200 |
| 225 | 200 | 8" | 54710225 | 54720225 | 54810225 | 54820225 | 54910225 | 54920225 |
| 250 | 250 | 10" | 54710250 | 54720250 | 54810250 | 54820250 | 54910250 | 54920250 |
| 280 | 250 | 10" | 54710280 | 54720280 | 54810280 | 54820280 | 54910280 | 54920280 |
| 315 | 300 | 12" | 54710315 | 54720315 | 54810315 | 54820315 | 54910315 | 54920315 |
| 355 | 350 | 14" | 54710355 | 54720355 | 54810355 | 54820355 | 54910355 | 54920355 |
| 400 | 400 | 16" | 54710400 | 54720400 | 54810400 | 54820400 | 54910400 | 54920400 |
| 450 | 450 | 18" | 54710450 | 54720450 | 54810450 | 54820450 | 54910450 | 54920450 |
| 500 | 500 | 20" | 54710500 | 54720500 | 54810500 | 54820500 | 54910500 | 54920500 |
| 560 | 550 | 22" | 54710560 | 54720560 | 54810560 | 54820560 | 54910560 | 54920560 |
| 630 | 600 | 24" | 54710630 | 54720630 | 54810630 | 54820630 | 54910630 | 54920630 |
| 710 | 650 | 26" | 54710710 | 54720710 | 54810710 | 54820710 | 54910710 | 54920710 |
| 800 | 700 | 28" | 54710800 | 54720800 | 54810800 | 54820800 | 54910800 | 54920800 |

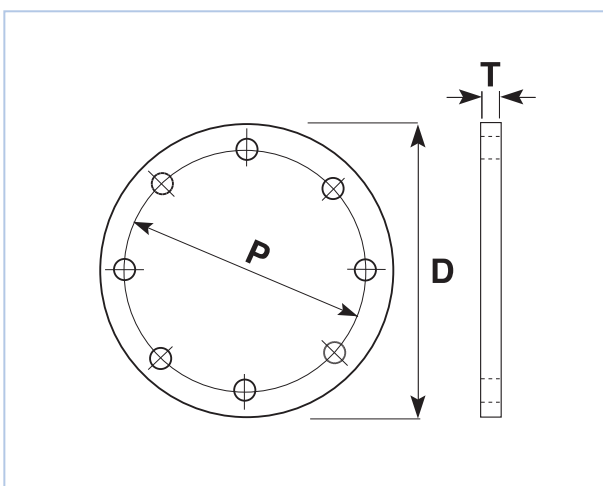
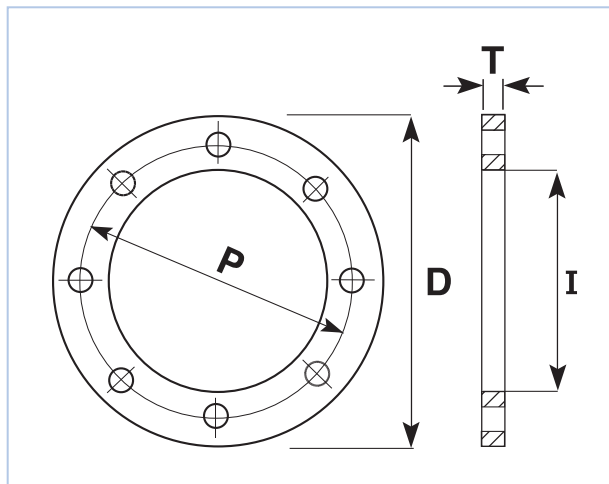


TABLE D GALVANISED BACKING RING (5441)
STAINLESS BACKING RING (5442)

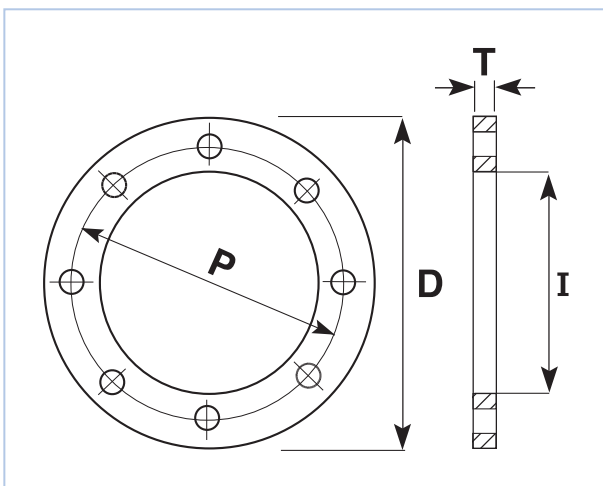
| SIZE (mm) | NOMINAL FLANGE SIZE | INCH SIZE | GALV CODE | STAINLESS CODE | P (mm) | I (mm) | D (mm) | T (mm) | BOLT HOLES NO. X DIA | BOLT |
|-----------|---------------------|-----------|-----------|----------------|--------|--------|--------|--------|----------------------|------|
| 20 | 15 | ½" | 54510020 | 54520020 | 67 | 28 | 95 | 6 | 4x14 | M12 |
| 25 | 20 | ¾" | 54510025 | 54520025 | 73 | 34 | 100 | 6 | 4x14 | M12 |
| 32 | 25 | 1" | 54510032 | 54520032 | 83 | 42 | 115 | 7 | 4x14 | M12 |
| 40 | 32 | 1 ¼" | 54510040 | 54520040 | 87 | 51 | 120 | 8 | 4x14 | M12 |
| 50 | 40 | 1 ½" | 54510050 | 54520050 | 98 | 62 | 135 | 9 | 4x14 | M12 |
| 63 | 50 | 2" | 54510063 | 54520063 | 114 | 78 | 150 | 10 | 4x18 | M16 |
| 75 | 65 | 2 ½" | 54510075 | 54520075 | 127 | 92 | 165 | 10 | 4x18 | M16 |
| 90 | 80 | 3" | 54510090 | 54520090 | 146 | 108 | 185 | 11 | 4x18 | M16 |
| 110 | 100 | 4" | 54410110 | 54420110 | 178 | 128 | 215 | 10 | 4x18 | M16 |
| 125 | 100 | 4" | 54414125 | 54424125 | 178 | 135 | 215 | 10 | 4x18 | M16 |
| 125 | 125 | 5" | 54415125 | 54425125 | 210 | 140 | 255 | 13 | 8x18 | M16 |
| 140 | 125 | 5" | 54410140 | 54420140 | 210 | 158 | 255 | 13 | 8x18 | M16 |
| 160 | 150 | 6" | 54410160 | 54420160 | 235 | 178 | 280 | 13 | 8x18 | M16 |
| 180 | 150 | 6" | 54410180 | 54420180 | 235 | 188 | 280 | 13 | 8x18 | M16 |
| 200 | 200 | 8" | 54410200 | 54420200 | 292 | 235 | 335 | 13 | 8x18 | M16 |
| 225 | 200 | 8" | 54410225 | 54420225 | 292 | 240 | 335 | 13 | 8x18 | M16 |
| 250 | 250 | 10" | 54410250 | 54420250 | 356 | 290 | 405 | 16 | 8x22 | M20 |
| 280 | 250 | 10" | 54410280 | 54420280 | 356 | 300 | 405 | 16 | 8x22 | M20 |
| 315 | 300 | 12" | 54410315 | 54420315 | 406 | 345 | 455 | 19 | 12x22 | M20 |
| 355 | 350 | 14" | 54410355 | 54420355 | 470 | 376 | 525 | 22 | 12x26 | M24 |
| 400 | 400 | 16" | 54410400 | 54420400 | 521 | 430 | 580 | 22 | 12x26 | M24 |
| 450 | 450 | 18" | 54410450 | 54420450 | 584 | 480 | 640 | 25 | 12x26 | M24 |
| 500 | 500 | 20" | 54410500 | 54420500 | 641 | 533 | 705 | 29 | 16x26 | M24 |
| 560 | 550 | 22" | 54410560 | 54420560 | 699 | 590 | 760 | 29 | 16x30 | M27 |
| 630 | 600 | 24" | 54410630 | 54420630 | 756 | 660 | 825 | 32 | 16x30 | M27 |
| 710 | 700 | 28" | 54410710 | 54420710 | 845 | 745 | 910 | 35 | 20x30 | M27 |
| 800 | 800 | 32" | 54410800 | 54420800 | 984 | 835 | 1060 | 41 | 20x36 | M33 |
| 900 | 900 | 36" | 54410900 | 54420900 | 1092 | 947 | 1175 | 48 | 24x36 | M33 |
| 1000 | 1000 | 40" | 54411000 | 54421000 | 1175 | 1035 | 1255 | 51 | 24x36 | M33 |

48



Note: Also available in A105 and Mild Steel.

| SIZE (mm) | NOMINAL FLANGE SIZE | INCH SIZE | GALV CODE | STAINLESS CODE | P (mm) | I (mm) | D (mm) | T (mm) | BOLT HOLES NO. X DIA | BOLT |
|-----------|---------------------|-----------|-----------|----------------|--------|--------|--------|--------|----------------------|------|
| 20 | 15 | ½" | 54510020 | 54520020 | 67 | 28 | 95 | 6 | 4x14 | M12 |
| 25 | 20 | ¾" | 54510025 | 54520025 | 73 | 34 | 100 | 6 | 4x14 | M12 |
| 32 | 25 | 1" | 54510032 | 54520032 | 83 | 42 | 115 | 7 | 4x14 | M12 |
| 40 | 32 | 1 ¼" | 54510040 | 54520040 | 87 | 51 | 120 | 8 | 4x14 | M12 |
| 50 | 40 | 1 ½" | 54510050 | 54520050 | 98 | 62 | 135 | 9 | 4x14 | M12 |
| 63 | 50 | 2" | 54510063 | 54520063 | 114 | 78 | 150 | 10 | 4x18 | M16 |
| 75 | 65 | 2 ½" | 54510075 | 54520075 | 127 | 92 | 165 | 10 | 4x18 | M16 |
| 90 | 80 | 3" | 54510090 | 54520090 | 146 | 108 | 185 | 11 | 4x18 | M16 |
| 110 | 100 | 4" | 54510110 | 54520110 | 178 | 128 | 215 | 13 | 8x18 | M16 |
| 125 | 100 | 4" | 54514125 | 54524125 | 178 | 135 | 215 | 13 | 8x18 | M16 |
| 125 | 125 | 5" | 54515125 | 54525125 | 210 | 140 | 255 | 14 | 8x18 | M16 |
| 140 | 125 | 5" | 54510140 | 54520140 | 210 | 158 | 255 | 14 | 8x18 | M16 |
| 160 | 150 | 6" | 54510160 | 54520160 | 235 | 178 | 280 | 17 | 8x22 | M20 |
| 180 | 150 | 6" | 54510180 | 54520180 | 235 | 188 | 280 | 17 | 8x22 | M20 |
| 200 | 200 | 8" | 54510200 | 54520200 | 292 | 235 | 335 | 19 | 8x22 | M20 |
| 225 | 200 | 8" | 54510225 | 54520225 | 292 | 240 | 335 | 19 | 8x22 | M20 |
| 250 | 250 | 10" | 54510250 | 54520250 | 356 | 290 | 405 | 22 | 12x22 | M20 |
| 280 | 250 | 10" | 54510280 | 54520280 | 356 | 300 | 405 | 22 | 12x22 | M20 |
| 315 | 300 | 12" | 54510315 | 54520315 | 406 | 345 | 455 | 25 | 12x26 | M24 |
| 355 | 350 | 14" | 54510355 | 54520355 | 470 | 376 | 525 | 29 | 12x26 | M24 |
| 400 | 400 | 16" | 54510400 | 54520400 | 521 | 430 | 580 | 32 | 12x26 | M24 |
| 450 | 450 | 18" | 54510450 | 54520450 | 584 | 480 | 640 | 35 | 16x26 | M24 |
| 500 | 500 | 20" | 54510500 | 54520500 | 641 | 533 | 705 | 38 | 16x26 | M24 |
| 560 | 550 | 22" | 54510560 | 54520560 | 699 | 590 | 760 | 44 | 16x30 | M27 |
| 630 | 600 | 24" | 54510630 | 54520630 | 756 | 660 | 825 | 48 | 16x33 | M30 |
| 710 | 700 | 28" | 54510710 | 54520710 | 845 | 745 | 910 | 51 | 20x33 | M30 |
| 800 | 800 | 32" | 54510800 | 54520800 | 984 | 835 | 1060 | 54 | 20x36 | M33 |
| 900 | 900 | 36" | 54510900 | 54520900 | 1092 | 947 | 1175 | 64 | 24x36 | M33 |
| 1000 | 1000 | 40" | 54511000 | 54521000 | 1175 | 1035 | 1255 | 67 | 24x39 | M36 |

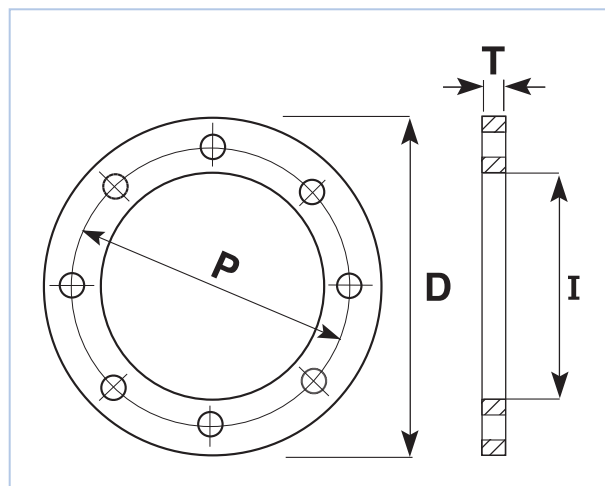


| SIZE (mm) | NOMINAL FLANGE SIZE | INCH SIZE | GALV CODE | P (mm) | I (mm) | D (mm) | T (mm) | BOLT HOLES NO. X DIA | BOLT |
|-----------|---------------------|-----------|-----------|--------|--------|--------|--------|----------------------|------|
| 20 | 15 | ½" | 54610020R | 60.5 | 28 | 90 | 6 | 4x16 | ½" |
| 25 | 20 | ¾" | 54610025R | 70 | 34 | 98 | 6 | 4x16 | ½" |
| 32 | 25 | 1" | 54610032R | 79.5 | 42 | 108 | 7 | 4x16 | ½" |
| 40 | 32 | 1 ¼" | 54610040R | 89 | 51 | 117 | 8 | 4x16 | ½" |
| 50 | 40 | 1 ½" | 54610050R | 98.5 | 62 | 127 | 9 | 4x16 | ½" |
| 63 | 50 | 2" | 54610063R | 120.5 | 78 | 152 | 10 | 4x20 | ⅝" |
| 75 | 65 | 2 ½" | 54610075R | 139.5 | 92 | 178 | 10 | 4x20 | ⅝" |
| 90 | 80 | 3" | 54610090R | 152 | 108 | 191 | 11 | 4x20 | ⅝" |
| 110 | 100 | 4" | 54610110R | 190.5 | 128 | 229 | 13 | 8x20 | ⅝" |
| 125 | 100 | 4" | 54614125R | 190.5 | 135 | 229 | 13 | 8x20 | ⅝" |
| 125 | 125 | 5" | 54615125R | 216 | 135 | 254 | 14 | 8x22 | ¾" |
| 140 | 125 | 5" | 54610140R | 216 | 158 | 254 | 14 | 8x22 | ¾" |
| 160 | 150 | 6" | 54610160R | 241 | 178 | 279 | 17 | 8x22 | ¾" |
| 180 | 150 | 6" | 54610180R | 241 | 188 | 279 | 17 | 8x22 | ¾" |
| 200 | 200 | 8" | 54610200R | 298.5 | 235 | 343 | 19 | 8x22 | ¾" |
| 225 | 200 | 8" | 54610225R | 298.5 | 240 | 343 | 19 | 8x22 | ¾" |
| 250 | 250 | 10" | 54610250R | 362 | 290 | 406 | 22 | 12x26 | ⅞" |
| 280 | 250 | 10" | 54610280R | 362 | 300 | 406 | 22 | 12x26 | ⅞" |
| 315 | 300 | 12" | 54610315R | 432 | 345 | 483 | 25 | 12x26 | ⅞" |
| 355 | 350 | 14" | 54610355R | 476 | 376 | 535 | 29 | 12x30 | 1" |
| 400 | 400 | 16" | 54610400R | 540 | 430 | 600 | 32 | 16x30 | 1" |
| 450 | 450 | 18" | 54610450R | 578 | 480 | 635 | 35 | 16x33 | 1⅝" |
| 500 | 500 | 20" | 54610500R | 635 | 533 | 700 | 38 | 20x33 | 1⅝" |
| 560 | 550 | 22" | 54610560R | 692 | 590 | 750 | 44 | 20x36 | 1¼" |
| 630 | 600 | 24" | 54610630R | 750 | 660 | 815 | 48 | 20x36 | 1¼" |

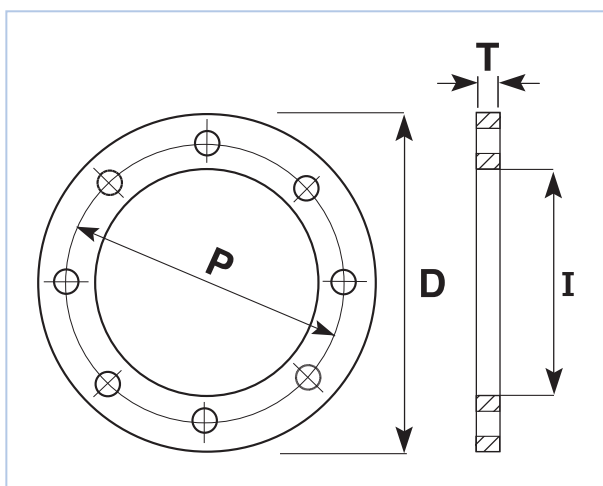
Note 1: The thickness of these backing rings has been reduced to comply with AS 2129 Table E Thickness.

Note 2: Stainless Steel (5462) available upon request.

50



| SIZE (mm) | NOMINAL FLANGE SIZE | INCH SIZE | GALV CODE | STAINLESS CODE | P (mm) | I (mm) | D (mm) | T (mm) | BOLT HOLES NO. X DIA | BOLT |
|-----------|---------------------|-----------|-----------|----------------|--------|--------|--------|--------|----------------------|------|
| 20 | 15 | ½" | 54610020F | 54620020F | 60.5 | 28 | 90 | 11.2 | 4x16 | ½" |
| 25 | 20 | ¾" | 54610025F | 54620025F | 70 | 34 | 98 | 12.8 | 4x16 | ½" |
| 32 | 25 | 1" | 54610032F | 54620032F | 79.5 | 42 | 108 | 14.2 | 4x16 | ½" |
| 40 | 32 | 1 ¼" | 54610040F | 54620040F | 89 | 51 | 117 | 15.7 | 4x16 | ½" |
| 50 | 40 | 1 ½" | 54610050F | 54620050F | 98.5 | 62 | 127 | 17.5 | 4x16 | ½" |
| 63 | 50 | 2" | 54610063F | 54620063F | 120.5 | 78 | 152 | 19 | 4x20 | ⅝" |
| 75 | 65 | 2 ½" | 54610075F | 54620075F | 139.5 | 92 | 178 | 22.3 | 4x20 | ⅝" |
| 90 | 80 | 3" | 54610090F | 54620090F | 152 | 108 | 191 | 23.9 | 4x20 | ⅝" |
| 110 | 100 | 4" | 54610110F | 54620110F | 190.5 | 128 | 229 | 23.9 | 8x20 | ⅝" |
| 125 | 100 | 4" | 54614125F | 54624125F | 190.5 | 135 | 229 | 23.9 | 8x20 | ⅝" |
| 125 | 125 | 5" | 54615125F | 54625125F | 216 | 135 | 254 | 23.9 | 8x22 | ¾" |
| 140 | 125 | 5" | 54610140F | 54620140F | 216 | 158 | 254 | 23.9 | 8x22 | ¾" |
| 160 | 150 | 6" | 54610160F | 54620160F | 241 | 178 | 279 | 25.4 | 8x22 | ¾" |
| 180 | 150 | 6" | 54610180F | 54620180F | 241 | 188 | 279 | 25.4 | 8x22 | ¾" |
| 200 | 200 | 8" | 54610200F | 54620200F | 298.5 | 235 | 343 | 28.4 | 8x22 | ¾" |
| 225 | 200 | 8" | 54610225F | 54620225F | 298.5 | 240 | 343 | 28.4 | 8x22 | ¾" |
| 250 | 250 | 10" | 54610250F | 54620250F | 362 | 290 | 406 | 30.2 | 12x26 | ⅞" |
| 280 | 250 | 10" | 54610280F | 54620280F | 362 | 300 | 406 | 30.2 | 12x26 | ⅞" |
| 315 | 300 | 12" | 54610315F | 54620315F | 432 | 345 | 483 | 31.8 | 12x26 | ⅞" |
| 355 | 350 | 14" | 54610355F | 54620355F | 476 | 376 | 535 | 35 | 12x30 | 1" |
| 400 | 400 | 16" | 54610400F | 54620400F | 540 | 430 | 600 | 36.6 | 16x30 | 1" |
| 450 | 450 | 18" | 54610450F | 54620450F | 578 | 480 | 635 | 39.7 | 16x33 | 1 ⅛" |
| 500 | 500 | 20" | 54610500F | 54620500F | 635 | 533 | 700 | 42.9 | 20x33 | 1 ⅛" |
| 560 | 550 | 22" | 54610560F | 54620560F | 692 | 590 | 750 | 46 | 20x36 | 1 ¼" |
| 630 | 600 | 24" | 54610630F | 54620630F | 750 | 660 | 815 | 47.7 | 20x36 | 1 ¼" |



DCI FEMALE THREADED TAPPING BAND (9234)



DCI FEMALE THREADED TAPPING BAND

Acu-Flow DCI Tapping Bands from Acu-Tech are the ultimate solution for connection of branch pipelines to PE main pipelines for cold water.

Constructed of epoxy coated solid ductile cast iron (DCI) with EPDM rubber seal, these fittings are designed to be durable and leak-free.

Upper and lower parts are fully rubber lined to prevent rotational movement of the tapping band on pipe.

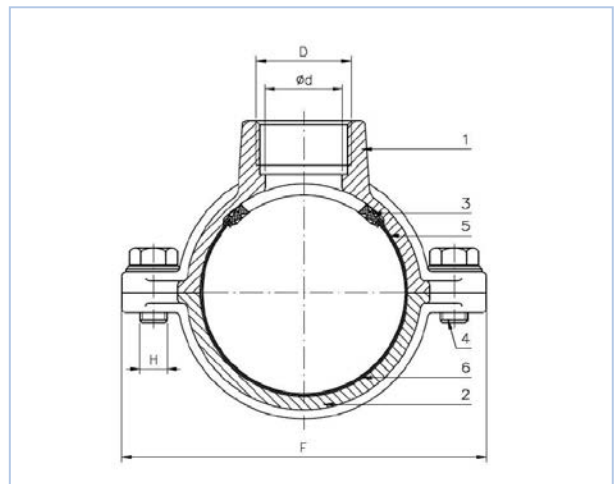
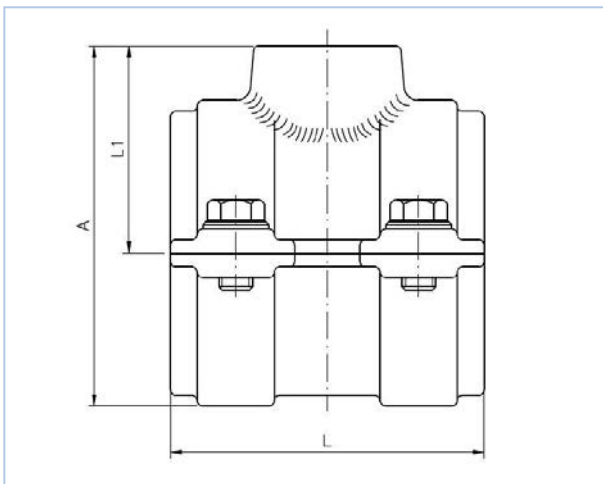
52



| SIZE (mm) | CODE | D-THREADED OFF-TAKE | | d (mm) | L (mm) | L1 (mm) | A (mm) | F (mm) | H BOLT SIZE | WEIGHT (kg) |
|--------------|----------|------------------------|----|-----------|-----------|------------|-----------|-----------|----------------|----------------|
| | | INCH | MM | | | | | | | |
| 32 | 92343220 | ¾" | 20 | 20 | 65 | 39 | 65 | 91 | M8x20 | 0.8 |
| 40 | 92344020 | ¾" | 20 | 20 | 65 | 45 | 85 | 99 | M8x20 | 1 |
| 40 | 92344025 | 1" | 25 | 26 | 65 | 51 | 91 | 99 | M8x20 | 1 |
| 50 | 92345025 | 1" | 25 | 26 | 90 | 56 | 91 | 114 | M10x25 | 1.4 |
| 63 | 92346325 | 1" | 25 | 26 | 90 | 62 | 104.5 | 129 | M10x25 | 1.7 |
| 63 | 92346332 | 1 ¼" | 32 | 34 | 90 | 62 | 104.5 | 129 | M10x25 | 1.7 |
| 63 | 92346340 | 1 ½" | 40 | 40 | 90 | 70 | 110.5 | 129 | M10x25 | 1.7 |
| 63 | 92346350 | 2" | 50 | 52 | 90 | 70 | 110.5 | 129 | M10x25 | 1.7 |

DCI FEMALE THREADED TAPPING BAND (9234) Con't

| SIZE (mm) | CODE | D-THREADED OFF-TAKE | | d (mm) | L (mm) | L1 (mm) | A (mm) | F (mm) | H BOLT SIZE | WEIGHT (kg) |
|--------------|----------|------------------------|----|-----------|-----------|------------|-----------|-----------|----------------|----------------|
| | | INCH | MM | | | | | | | |
| 75 | 92347525 | 1" | 25 | 26 | 115 | 68 | 116.5 | 141 | M10x25 | 2.3 |
| 75 | 92347532 | 1 ¼" | 32 | 34 | 115 | 68 | 116.5 | 141 | M10x25 | 2.3 |
| 75 | 92347540 | 1 ½" | 40 | 40 | 115 | 76 | 124.5 | 141 | M10x25 | 2.3 |
| 75 | 92347550 | 2" | 50 | 52 | 115 | 76 | 124.5 | 141 | M10x25 | 2.3 |
| 90 | 92349025 | 1" | 25 | 26 | 115 | 76 | 132 | 161 | M12x25 | 2.8 |
| 90 | 92349040 | 1 ½" | 40 | 40 | 115 | 83 | 139 | 161 | M12x25 | 2.8 |
| 90 | 92349050 | 2" | 50 | 52 | 115 | 83 | 139 | 161 | M12x25 | 2.8 |
| 110 | 92341125 | 1" | 25 | 26 | 115 | 86 | 153 | 189 | M12x25 | 3.5 |
| 110 | 92341132 | 1 ¼" | 32 | 34 | 115 | 86 | 153 | 189 | M12x25 | 3.5 |
| 110 | 92341140 | 1 ½" | 40 | 40 | 115 | 93 | 160 | 189 | M12x25 | 3.5 |
| 110 | 92341150 | 2" | 50 | 52 | 115 | 93 | 160 | 189 | M12x25 | 3.5 |
| 125 | 92341225 | 1" | 25 | 26 | 115 | 93 | 167.5 | 204 | M12x25 | 3.8 |
| 125 | 92341232 | 1 ¼" | 32 | 34 | 115 | 93 | 167.5 | 204 | M12x25 | 3.8 |
| 125 | 92341240 | 1 ½" | 40 | 40 | 115 | 100 | 174.5 | 204 | M12x25 | 3.8 |
| 125 | 92341250 | 2" | 50 | 52 | 115 | 100 | 174.5 | 204 | M12x25 | 3.8 |
| 140 | 92341450 | 2" | 50 | 52 | 140 | 108 | 190 | 219 | M12x25 | 4.7 |
| 160 | 92341625 | 1" | 25 | 26 | 140 | 111 | 203 | 239 | M12x25 | 5.2 |
| 160 | 92341650 | 2" | 50 | 52 | 140 | 118 | 210 | 239 | M12x25 | 5.2 |
| 180 | 92341825 | 1" | 25 | 26 | 180 | 121 | 223 | 259 | M12x25 | 7.7 |
| 180 | 92341832 | 1 ¼" | 32 | 34 | 180 | 121 | 223 | 259 | M12x25 | 7.7 |
| 180 | 92341840 | 1 ½" | 40 | 40 | 180 | 128 | 230 | 259 | M12x25 | 7.7 |
| 180 | 92341850 | 2" | 50 | 52 | 180 | 128 | 230 | 259 | M12x25 | 7.7 |
| 200 | 92342050 | 2" | 50 | 52 | 180 | 138 | 250 | 279 | M12x25 | 8 |
| 225 | 92342250 | 2" | 50 | 52 | 180 | 151 | 275.5 | 304 | M12x25 | 9 |
| 250 | 92342550 | 2" | 50 | 52 | 180 | 163 | 300 | 329 | M12x25 | 9.8 |
| 280 | 92342850 | 2" | 50 | 52 | 180 | 178 | 330 | 359 | M12x25 | 10.6 |
| 315 | 92343150 | 2" | 50 | 52 | 180 | 196 | 365.5 | 394 | M12x25 | 13 |



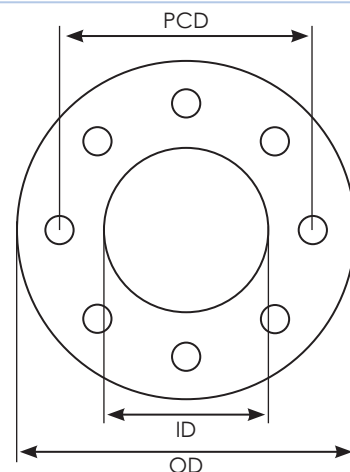
EPDM FLANGE GASKET

| SIZE (mm) | NOMINAL FLANGE SIZE | STANDARD THICKNESS (mm) | AVAILABLE STANDARD/ THICKNESS |
|-----------|---------------------|-------------------------|-------------------------------|
| 25 | 20 | 3 | TABLE D/E ANSI150/4087 |
| 32 | 25 | 3 | TABLE D/E ANSI150/4087 |
| 40 | 32 | 3 | TABLE D/E ANSI150/4087 |
| 50 | 40 | 3 | TABLE D/E ANSI150/4087 |
| 63 | 50 | 3 | TABLE D/E ANSI150/4087 |
| 75 | 65 | 3 | TABLE D/E ANSI150/4087 |
| 90 | 80 | 3 | TABLE D/E ANSI150/4087 |
| 110 | 100 | 3 | TABLE D/E ANSI150/4087 |
| 125 | 125 | 3 | TABLE D/E ANSI150/4087 |
| 160 | 150 | 3 | TABLE D/E ANSI150/4087 |
| 180 | 150 | 3 | TABLE D/E ANSI150/4087 |
| 200 | 200 | 3 | TABLE D/E ANSI150/4087 |
| 225 | 200 | 3 | TABLE D/E ANSI150/4087 |
| 250 | 250 | 3 | TABLE D/E ANSI150/4087 |
| 280 | 250 | 3 | TABLE D/E ANSI150/4087 |
| 315 | 300 | 3 | TABLE D/E ANSI150/4087 |
| 355 | 350 | 3 | TABLE D/E ANSI150/4087 |
| 400 | 400 | 3 | TABLE D/E ANSI150/4087 |
| 450 | 450 | 3 | TABLE D/E ANSI150/4087 |
| 500 | 500 | 3 | TABLE D/E ANSI150/4087 |
| 560 | 560 | 3 | TABLE D/E ANSI150/4087 |
| 630 | 600 | 3 | TABLE D/E ANSI150/4087 |

Note 1: Other thickness, dimensions and materials available on request.

Note 2: Available in all SDR ratings.

54



FLANGE RING GASKETS - KC6327 2mm FIBRE

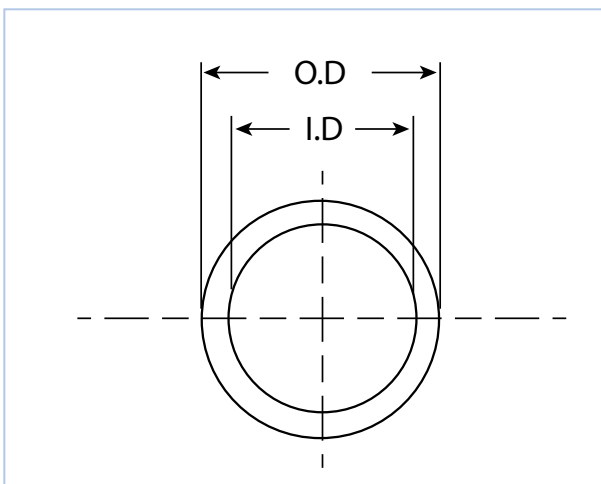
KC6327 is a gasket material based on SBR-bound aramid fibres and inorganic fibres. Its key feature is a relative softness and high compressibility which enables sealing under lower bolt loads than most other fibre gaskets.

Following the correct flange installation procedure and using the correct bolt torques is critical to long term flange joint integrity. Contact us for more information and a copy of our Flange Joint Installation Guidelines.

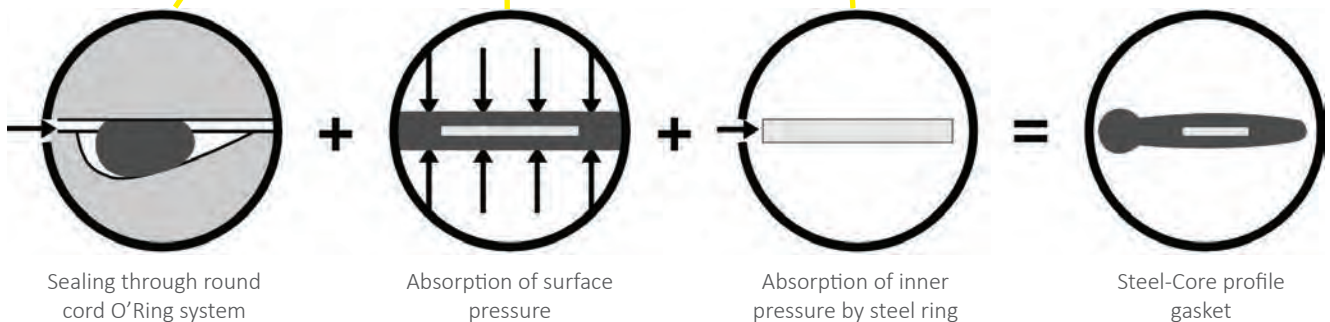
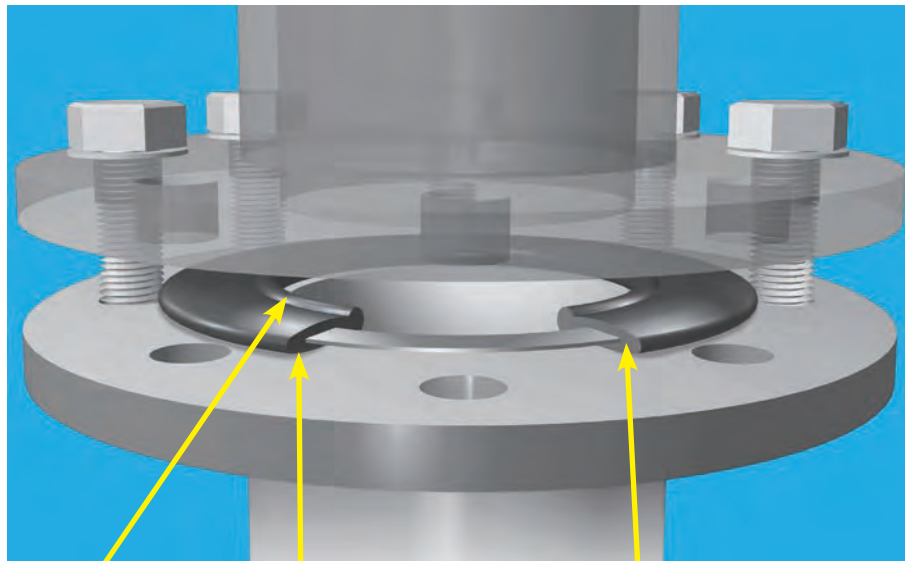
Looking for flange gaskets made to your specifications? Please contact us as we supply a wide variety of fibre and rubber gaskets to order.

| SIZE (mm) | NOMINAL FLANGE SIZE | SDR | CODE (9658) |
|-----------|---------------------|-------|-------------|
| 25 | 20 | 11/17 | 96580025 |
| 32 | 25 | 11/17 | 96580032 |
| 40 | 32 | 11/17 | 96580040 |
| 50 | 40 | 11/17 | 96580050 |
| 63 | 50 | 11/17 | 96580063 |
| 75 | 65 | 11/17 | 96580075 |
| 90 | 80 | 11/17 | 96580090 |
| 110 | 100 | 11 | 96580110.11 |
| 125 | 125 | 17 | 96580125.17 |
| 160 | 150 | 11 | 96580160.11 |
| 180 | 150 | 17 | 96580180.17 |
| 200 | 200 | 11/17 | 96580200 |
| 225 | 200 | 11/17 | 96580225 |
| 250 | 250 | 11/17 | 96580250 |
| 280 | 250 | 11/17 | 96580280 |
| 315 | 300 | 11/17 | 96580315 |
| 355 | 350 | 11/17 | 96580355 |
| 400 | 400 | 11/17 | 96580400 |
| 450 | 450 | 11/17 | 96580450 |
| 500 | 500 | 11/17 | 96580500 |
| 560 | 560 | 11/17 | 96580560 |
| 630 | 600 | 11/17 | 96580630 |

Note: Other SDR's and custom sizes available on request.



STEEL-CORE RUBBER FLANGE GASKET



STEEL-CORE PROFILE™ RUBBER FLANGE GASKET

Tired of battling with leaking gaskets, flange misalignments and time consuming torquing and re-torquing procedures?

Get the job done quicker and eliminate leaks with the revolutionary Steel-Core™ Profile rubber gaskets!

These rubber gaskets are reinforced with the Steel-Core™ ring, which makes them rigid and prevents extrusion/ leaks under higher pressures which is a problem with plain rubber gaskets. They also have a special O-ring profile which increases sealing performance dramatically, effectively two sealing mechanisms in one gasket.

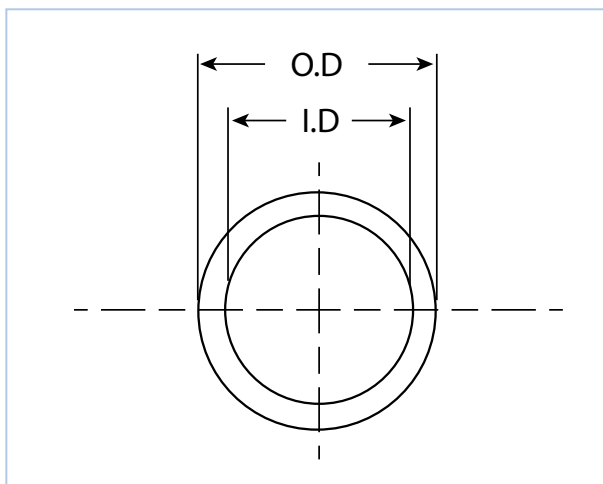


FOR MORE
INFORMATION
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| SIZE (mm) | CODE (9584) | SIZE (mm) | CODE (9584) |
|-----------|-------------|-----------|-------------|
| 16 | 95840016 | 125 | 95840125 |
| 20 | 95840020 | 140 | 95840140 |
| 25 | 95840025 | 160 | 95840160 |
| 32 | 95840032 | 200 | 95840200 |
| 40 | 95840040 | 225 | 95840225 |
| 50 | 95840050 | 250 | 95840250 |
| 63 | 95840063 | 280 | 95840280 |
| 75 | 95840075 | 315 | 95840315 |
| 90 | 95840090 | 355 | 95840355 |
| 110 | 95840110 | 400 | 95840400 |

KEY BENEFITS:

- Effective sealing under low bolt torque loads.
- Compensation of small surface imperfections.
- Flange face misalignment is more easily compensated than flat gaskets, especially fibre types.
- Seal maintained even with a small degree of flange movement.
- Higher durability of plastic flange joints due to lower torques helping to prevent distortion.
- Lower tensile grade fasteners required, providing cost savings.
- Steel-Core ring is vulcanised within the centre of the gasket, preventing corrosion.
- Will withstand pressures of up to 4,000 kPa (at 20°C) depending on flange.
- Made in Germany.



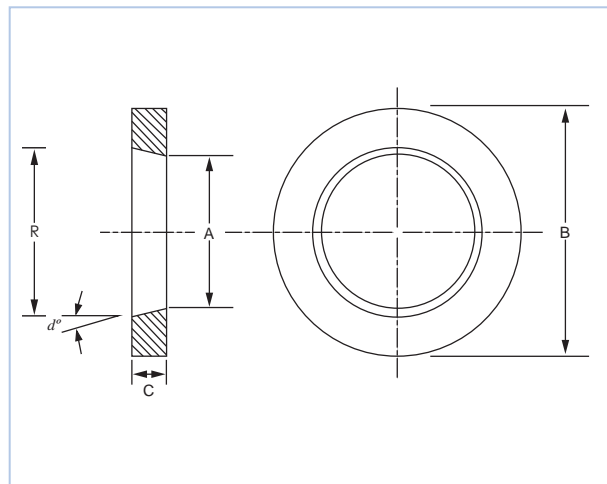
BUTTERFLY VALVE SPACER

PE100 • SDR11 • SDR17

| PIPE O.D | CODE | SDR11 | | | | | CODE | SDR17 | | | | |
|-------------|-----------|-------|-----|-----|----|-----|-----------|-------|-----|----|----|-----|
| | SDR11 | A | B | C | d° | R | SDR17 | A | B | C | d° | R |
| 75 | BFVS07511 | 61 | 108 | 14 | 20 | 71 | BFVS07517 | 66 | 108 | 14 | 20 | 76 |
| 90 | BFVS09011 | 75 | 129 | 20 | 20 | 89 | BFVS09017 | 79 | 129 | 20 | 20 | 94 |
| 110 | BFVS11011 | 90 | 160 | 14 | 20 | 100 | BFVS11017 | 97 | 160 | 14 | 20 | 107 |
| 125 | BFVS12511 | 102 | 160 | 25 | 25 | 125 | BFVS12517 | 110 | 160 | 25 | 20 | 128 |
| 140 | BFVS14011 | 115 | 192 | 25 | 20 | 133 | BFVS14017 | 123 | 192 | 25 | 20 | 141 |
| 160 | BFVS16011 | 131 | 213 | 25 | 25 | 154 | BFVS16017 | 141 | 213 | 25 | 20 | 159 |
| 180 | BFVS18011 | 149 | 213 | 30 | 10 | 160 | BFVS18017 | 158 | 213 | 30 | 8 | 166 |
| 200 | BFVS20011 | 164 | 270 | 40 | 30 | 210 | BFVS20017 | 176 | 270 | 30 | 30 | 211 |
| 225 | BFVS22511 | 184 | 270 | 25 | 25 | 207 | BFVS22517 | 198 | 270 | 30 | 15 | 214 |
| 250 | BFVS25011 | 205 | 334 | 60 | 25 | 261 | BFVS25017 | 220 | 334 | 35 | 30 | 260 |
| 280 | BFVS28011 | 229 | 334 | 30 | 30 | 264 | BFVS28017 | 246 | 334 | 35 | 15 | 265 |
| 315 | BFVS31511 | 258 | 380 | 50 | 25 | 304 | BFVS31517 | 277 | 380 | 40 | 30 | 323 |
| 355 | BFVS35511 | 291 | 444 | 80 | 12 | 325 | BFVS35517 | 312 | 444 | 55 | 10 | 331 |
| 400 | BFVS40011 | 325 | 495 | 85 | 20 | 387 | BFVS40017 | 352 | 495 | 65 | 15 | 387 |
| 450 | BFVS45011 | 366 | 545 | 90 | 20 | 432 | BFVS45017 | 396 | 545 | 70 | 16 | 436 |
| 500 | BFVS50011 | 407 | 596 | 100 | 20 | 480 | BFVS50017 | 440 | 596 | 75 | 18 | 489 |
| 560 | BFVS56011 | 456 | 657 | 70 | 30 | 537 | BFVS56017 | 493 | 657 | 60 | 22 | 541 |
| 630 | BFVS63011 | 513 | 710 | 100 | 20 | 586 | BFVS63017 | 554 | 710 | 60 | 15 | 586 |
| 710 | BFVS71011 | 577 | 800 | 120 | 25 | 689 | BFVS71017 | 625 | 800 | 65 | 25 | 686 |
| 800 | BFVS80011 | 644 | 940 | 130 | 30 | 794 | BFVS80017 | 704 | 940 | 80 | 25 | 779 |

Note: Other sizes available upon request.

58



BOLT SET: TABLE D

- PE to Steel Flange Connection Galvanised Grade 4.6
- PE to Steel Flange Connection Stainless Steel
- PE to PE Flange Connection Galvanised Grade 4.6
- PE to PE Flange Connection Stainless Steel
- PE to Steel Flange Connection Galvanised Grade 8.8
- PE to PE Flange Connection Galvanised Grade 8.8

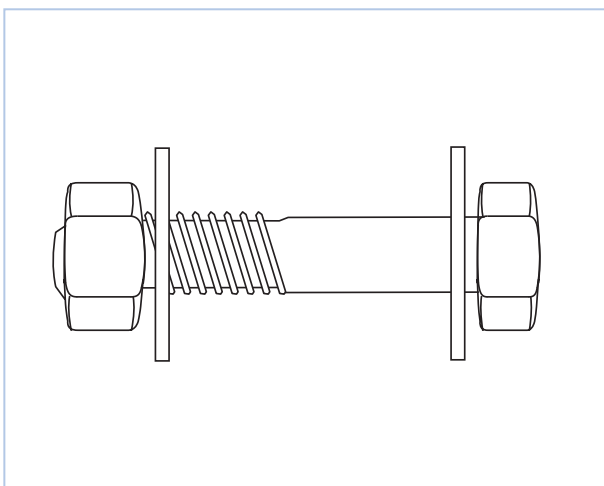
BOLT SET: TABLE E

- PE to Steel Flange Connection Galvanised Grade 4.6
- PE to Steel Flange Connection Stainless Steel
- PE to PE Flange Connection Galvanised Grade 4.6
- PE to PE Flange Connection Stainless Steel
- PE to Steel Flange Connection Galvanised Grade 8.8
- PE to PE Flange Connection Galvanised Grade 8.8

BOLT SET: ANSI 150

- PE to Steel Flange Connection Galvanised Grade 4.6
- PE to Steel Flange Connection Stainless Steel
- PE to PE Reduced Thickness Galvanised 4.6
- PE to PE Reduced Thickness Stainless Steel
- PE to Steel Reduced Thickness Galvanised 8.8
- PE to PE Reduced Thickness Galvanised 8.8
- PE to Steel Full Thickness Galvanised 4.6
- PE to Steel Full Thickness Stainless Steel
- PE to PE Full Thickness Galvanised 4.6
- PE to PE Full Thickness Stainless Steel
- PE to Steel Full Thickness Galvanised 8.8
- PE to PE Full Thickness Galvanised 8.8

Note: Contact our team for further information.



SPIGOT FITTINGS

Acu-Tech offers an extensive range of high quality PE100 Spigot Fittings sourced from leading European manufacturers. We hold a large inventory to ensure your project is delivered on time.

For more information call us now on 1300 270 270.



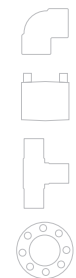
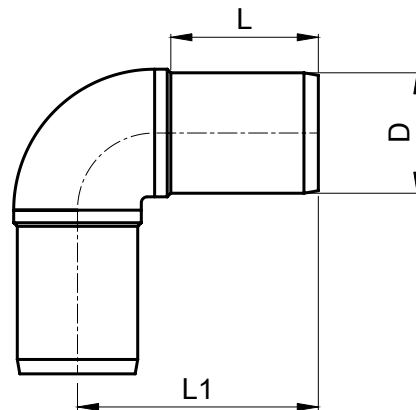
| | | | |
|----------------------------------|----|---------------------------------------|----|
| 90° Long Spigot Elbow_____ | 62 | Concentric Long Spigot Reducer_____ | 69 |
| 45° Long Spigot Elbow_____ | 63 | Long Spigot End Cap_____ | 70 |
| 30° Long Spigot Elbow_____ | 64 | Long Spigot Test End Cap_____ | 71 |
| 90° Long Spigot Radius Bend_____ | 65 | PE/Brass Male Threaded Adaptor_____ | 72 |
| Long Spigot Equal Tee_____ | 66 | PE/Brass Female Threaded Adaptor_____ | 73 |
| Long Spigot Reducing Tee_____ | 67 | PE Male BSP Adaptor_____ | 74 |
| 45° Long Spigot Equal Tee_____ | 68 | PE Female BSP Adaptor_____ | 75 |

90° LONG SPIGOT ELBOW (3054 / 3056)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3054) | CODE SDR17 (3056) | L (mm) | L1 (mm) |
|-----------|-------------------|-------------------|--------|---------|
| 20 | 30540020 | - | 41 | 63 |
| 25 | 30540025 | - | 41 | 63 |
| 32 | 30540032 | - | 44 | 72 |
| 40 | 30540040 | - | 49 | 80 |
| 50 | 30540050 | - | 55 | 95 |
| 63 | 30540063 | 30560063 | 63 | 115 |
| 75 | 30540075 | 30560075 | 70 | 130 |
| 90 | 30540090 | 30560090 | 79 | 147 |
| 110 | 30540110 | 30560110 | 82 | 161 |
| 125 | 30540125 | 30560125 | 87 | 174 |
| 140 | 30540140 | 30560140 | 92 | 202 |
| 160 | 30540160 | 30560160 | 98 | 208 |
| 180 | 30540180 | 30560180 | 105 | 222 |
| 200 | 30540200 | 30560200 | 112 | 253 |
| 225 | 30540225 | 30560225 | 120 | 270 |
| 250 | 30540250 | 30560250 | 129 | 292 |
| 280 | 30540280 | 30560280 | 139 | 340 |
| 315 | 30540315 | 30560315 | 150 | 370 |
| 355 | 30540355 | 30560355 | 172 | 421 |
| 400 | 30540400 | 30560400 | 187 | 469 |
| 450 | 30540450 | 30560450 | 202 | 522 |
| 500 | 30540500 | 30560500 | 222 | 576 |

Note: Larger sizes available on request.

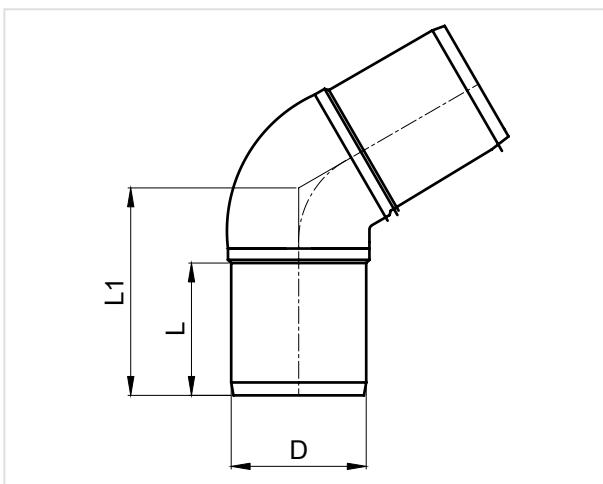


45° LONG SPIGOT ELBOW (3104 / 3106)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3104) | CODE SDR17 (3106) | L (mm) | L1 (mm) |
|-----------|-------------------|-------------------|--------|---------|
| 20 | 31040020 | - | 41 | 70 |
| 25 | 31040025 | - | 41 | 75 |
| 32 | 31040032 | - | 44 | 80 |
| 40 | 31040040 | - | 49 | 85 |
| 50 | 31040050 | - | 55 | 90 |
| 63 | 31040063 | 31060063 | 63 | 95 |
| 75 | 31040075 | 31060075 | 70 | 105 |
| 90 | 31040090 | 31060090 | 79 | 120 |
| 110 | 31040110 | 31060110 | 82 | 130 |
| 125 | 31040125 | 31060125 | 87 | 140 |
| 140 | 31040140 | 31060140 | 92 | 150 |
| 160 | 31040160 | 31060160 | 98 | 160 |
| 180 | 31040180 | 31060180 | 105 | 170 |
| 200 | 31040200 | 31060200 | 112 | 185 |
| 225 | 31040225 | 31060225 | 120 | 200 |
| 250 | 31040250 | 31060250 | 129 | 217 |
| 280 | 31040280 | 31060280 | 139 | 238 |
| 315 | 31040315 | 31060315 | 150 | 256 |
| 355 | 31040355 | 31060355 | 172 | 317 |
| 400 | 31040400 | 31060400 | 187 | 346 |
| 450 | 31040450 | 31060450 | 202 | 375 |
| 500 | 31040500 | 31060500 | 222 | 409 |

Note: Larger sizes available on request.



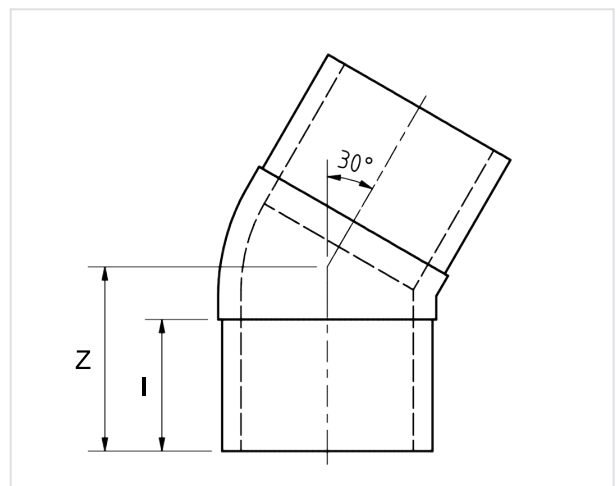
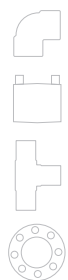
30° SPIGOT ELBOW (3114 / 3116)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3114) | CODE SDR17 (3116) | I (mm) | Z (mm) |
|-----------|-------------------|-------------------|--------|--------|
| 75 | 31140075 | 31160075 | 77 | 103 |
| 90 | 31140090 | 31160090 | 85 | 110 |
| 110 | 31140110 | 31160110 | 95 | 130 |
| 125 | 31140125 | 31160125 | 100 | 142 |
| 140 | 31140140 | 31160140 | 103 | 144 |
| 160 | 31140160 | 31160160 | 116 | 155 |
| 180 | 31140180 | 31160180 | 120 | 165 |
| 200 | 31140200 | 31160200 | 125 | 175 |
| 225 | 31140225 | 31160225 | 133 | 188 |

Note: 30° spigot elbows are all custom made to order, due to low demand.

64

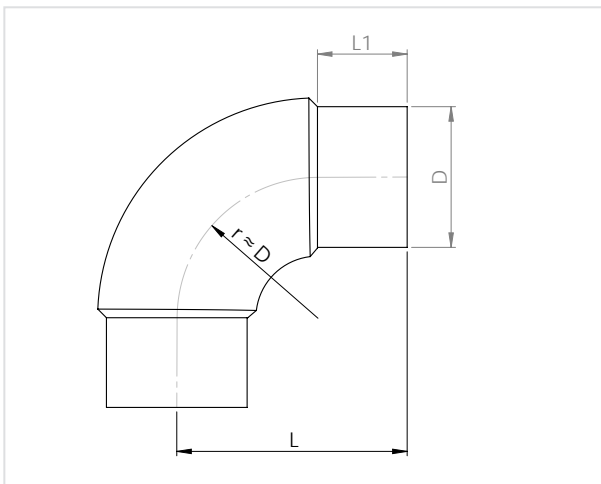


90° LONG SPIGOT RADIUS BEND (3754 / 3756)

PE100 • SDR11 • SDR17

| D (mm) | CODE SDR11 (3754) | L (mm) | L1 (mm) | BOX |
|--------|-------------------|--------|---------|-----|
| 32 | 37540032 | 79 | 48 | 5 |
| 40 | 37540040 | 92 | 52 | 2 |
| 50 | 37540050 | 107 | 59 | 1 |
| 63 | 37540063 | 131 | 69 | 4 |
| 75 | 37540075 | 153 | 76 | 16 |
| 90 | 37540090 | 176 | 83 | 10 |
| 110 | 37540110 | 193 | 84 | 6 |
| 125 | 37540125 | 216 | 92 | 4 |
| 140 | 37540140 | 237 | 96 | 5 |
| 160 | 37540160 | 262 | 103 | 4 |
| 180 | 37540180 | 294 | 115 | 6 |
| 200 | 37540200 | 317 | 122 | 4 |
| 225 | 37540225 | 351 | 131 | 2 |
| 250 | 37540250 | 382 | 133 | 2 |
| 280 | 37540280 | 432 | 153 | 1 |
| 315 | 37540315 | 471 | 154 | 1 |

| D (mm) | CODE SDR17 (3756) | L (mm) | L1 (mm) | BOX |
|--------|-------------------|--------|---------|-----|
| 50 | 37560050 | 108 | 59 | 1 |
| 63 | 37560063 | 130 | 67 | 4 |
| 75 | 37560075 | 152 | 76 | 16 |
| 90 | 37560090 | 173 | 83 | 10 |
| 110 | 37560110 | 193 | 85 | 6 |
| 125 | 37560125 | 216 | 92 | 4 |
| 140 | 37560140 | 237 | 97 | 5 |
| 160 | 37560160 | 260 | 102 | 4 |
| 180 | 37560180 | 290 | 113 | 6 |
| 200 | 37560200 | 317 | 122 | 4 |
| 225 | 37560225 | 350 | 130 | 2 |
| 250 | 37560250 | 382 | 134 | 2 |
| 280 | 37560280 | 430 | 154 | 1 |
| 315 | 37560315 | 465 | 153 | 1 |



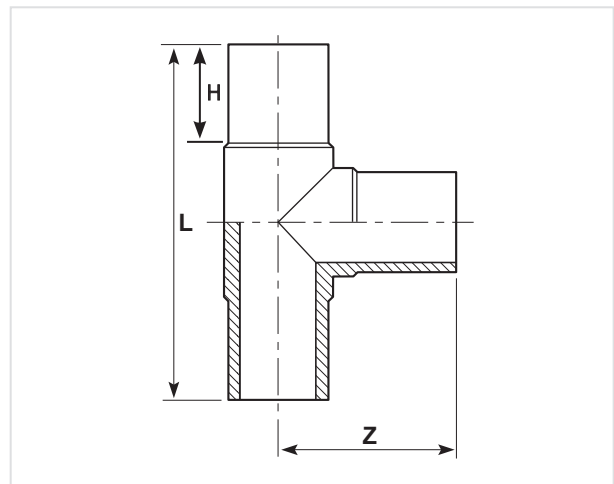
LONG SPIGOT EQUAL TEE (3154 / 3156)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3154) | CODE SDR17 (3156) | H (mm) | Z (mm) | L (mm) |
|-----------|-------------------|-------------------|--------|--------|--------|
| 20 | 31540020 | - | 34.5 | 54.5 | 109 |
| 25 | 31540025 | - | 41 | 62 | 124 |
| 32 | 31540032 | - | 51 | 75 | 150 |
| 40 | 31540040 | - | 55 | 82 | 164 |
| 50 | 31540050 | - | 61 | 95 | 190 |
| 63 | 31540063 | 31560063 | 67 | 114 | 228 |
| 75 | 31540075 | 31560075 | 73 | 121 | 242 |
| 90 | 31540090 | 31560090 | 82 | 153 | 306 |
| 110 | 31540110 | 31560110 | 98 | 172 | 344 |
| 125 | 31540125 | 31560125 | 102 | 180 | 360 |
| 140 | 31540140 | 31560140 | 105 | 195 | 390 |
| 160 | 31540160 | 31560160 | 124 | 225 | 450 |
| 180 | 31540180 | 31560180 | 117 | 233 | 466 |
| 200 | 31540200 | 31560200 | 127 | 253 | 506 |
| 225 | 31540225 | 31560225 | 136 | 275 | 550 |
| 250 | 31540250 | 31560250 | 140 | 298 | 596 |
| 280 | 31540280 | 31560280 | 150 | 325 | 650 |
| 315 | 31540315 | 31560315 | 160 | 350 | 700 |
| 355 | 31540355 | 31560355 | 173 | 390 | 780 |
| 400 | 31540400 | 31560400 | 187 | 431 | 862 |
| 450 | 31540450 | 31560450 | 202 | 476 | 952 |
| 500 | 31540500 | 31560500 | 225 | 525 | 1050 |
| 560 | 31540560 | 31560560 | 240 | 615 | 1230 |
| 630 | 31540630 | 31560630 | 250 | 660 | 1320 |

Note: Larger sizes available on request.

66



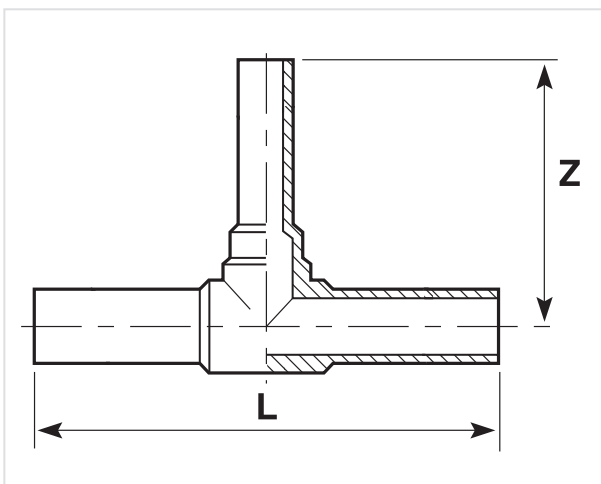
LONG SPIGOT REDUCING TEE (3164 / 3166)

PE100 • SDR11 • SDR17

| SIZE 1 (mm) | SIZE 2 (mm) | L (mm) | Z (mm) | CODE SDR11 (3164) | CODE SDR17 (3166) |
|----------------|----------------|-----------|-----------|-------------------------|-------------------------|
| 63 | x 32 | 228 | 91 | 31646332 | 31666332 |
| 63 | x 40 | 232 | 106 | 31646340 | 31666340 |
| 63 | x 50 | 213 | 100 | 31646350 | 31666350 |
| 75 | x 50 | 253 | 113 | 31647550 | 31667550 |
| 75 | x 63 | 252 | 117 | 31647563 | 31667563 |
| 90 | x 63 | 264 | 134 | 31649063 | 31669063 |
| 90 | x 75 | 272 | 138 | 31649075 | 31669075 |
| 110 | x 63 | 305 | 154 | 31641163 | 31661163 |
| 110 | x 75 | 305 | 148 | 31641175 | 31661175 |
| 110 | x 90 | 310 | 155 | 31641190 | 31661190 |
| 125 | x 90 | 340 | 170 | 31641290 | 31661290 |
| 125 | x 110 | 340 | 172 | 31641211 | 31661211 |
| 160 | x 90 | 343 | 177 | 31641690 | 31661690 |
| 160 | x 110 | 390 | 194 | 31641611 | 31661611 |
| 180 | x 110 | 455 | 220 | 31641811 | 31661811 |
| 180 | x 160 | 412 | 204 | 31641816 | 31661816 |

| SIZE 1 (mm) | SIZE 2 (mm) | L (mm) | Z (mm) | CODE SDR11 (3164) | CODE SDR17 (3166) |
|----------------|----------------|-----------|-----------|-------------------------|-------------------------|
| 200 | x 63 | 550 | 225 | 31642063 | 31662063 |
| 200 | x 110 | 550 | 240 | 31642011 | 31662011 |
| 200 | x 125 | 550 | 240 | 31642012 | 31662012 |
| 200 | x 160 | 550 | 265 | 31642016 | 31662016 |
| 225 | x 160 | 490 | 246 | 31642216 | 31662216 |
| 225 | x 180 | 552 | 246 | 31642218 | 31662218 |
| 250 | x 160 | 440 | 315 | 31642516 | 31662516 |
| 250 | x 180 | 622 | 525 | 31642518 | 31662518 |
| 250 | x 200 | 622 | 525 | 31642521 | 31662521 |
| 315 | x 160 | 575 | 310 | 31643116 | 31663116 |
| 315 | x 180 | 752 | 600 | 31643118 | 31663118 |
| 315 | x 200 | 752 | 600 | 31643120 | 31663120 |
| 315 | x 225 | 638 | 335 | 31643122 | 31663122 |
| 315 | x 250 | 670 | 333 | 31643125 | 31663125 |

Note: Larger sizes available on request.



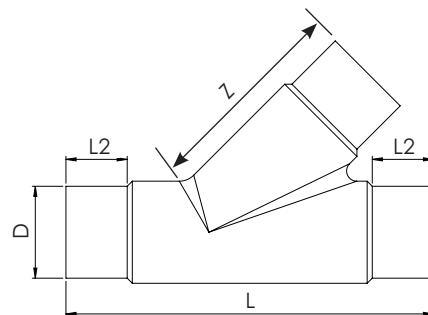
45° LONG SPIGOT EQUAL TEE (3694 / 3696)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3694) | CODE SDR17 (3696) | L (mm) | L ² (mm) | Z (mm) |
|-----------|-------------------|-------------------|--------|---------------------|--------|
| 40 | 36940040 | 36960040 | 189 | 45 | 75 |
| 50 | 36940050 | 36960050 | 222 | 55 | 90 |
| 63 | 36940063 | 36960063 | 244 | 63 | 93 |
| 75 | 36940075 | 36960075 | 290 | 75 | 107 |
| 90 | 36940090 | 36960090 | 371 | 85 | 149 |
| 110 | 36940110 | 36960110 | 400 | 85 | 164 |
| 125 | 36940125 | 36960125 | 447 | 105 | 185 |
| 160 | 36940160 | 36960160 | 538 | 115 | 260 |
| 180 | 36940180 | 36960180 | 580 | 116 | 272 |
| 200 | 36940200 | 36960200 | 633 | 122 | 286 |
| 225 | 36940225 | 36960225 | 700 | 135 | 350 |
| 250 | 36940250 | 36960250 | 792 | 143 | 397 |
| 280 | 36940280 | 36960280 | 852 | 146 | 440 |
| 315 | 36940315 | 36960315 | 965 | 165 | 494 |

Note: These fittings are fully pressure rated as they are injection moulded.

68



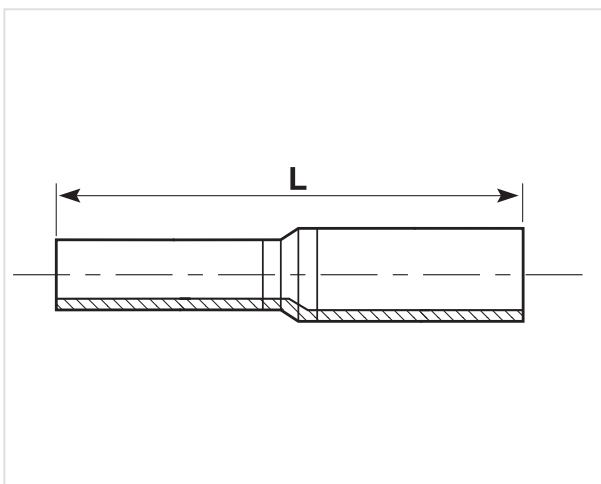
CONCENTRIC LONG SPIGOT REDUCER (3034 / 3036)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3034) | CODE SDR17 (3036) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 25 x 20 | 30342520 | - | 87 |
| 32 x 20 | 30343220 | - | 92 |
| 32 x 25 | 30343225 | - | 92 |
| 40 x 20 | 30344020 | - | 102 |
| 40 x 25 | 30344025 | - | 102 |
| 40 x 32 | 30344032 | - | 102 |
| 50 x 25 | 30345025 | - | 118 |
| 50 x 32 | 30345032 | - | 118 |
| 50 x 40 | 30345040 | - | 126 |
| 63 x 32 | 30346332 | - | 136 |
| 63 x 40 | 30346340 | - | 128 |
| 63 x 50 | 30346350 | - | 150 |
| 75 x 50 | 30347550 | - | 148 |
| 75 x 63 | 30347563 | 30367563 | 149 |
| 90 x 63 | 30349063 | 30369063 | 157 |
| 90 x 75 | 30349075 | 30369075 | 163 |
| 110 x 63 | 30341163 | 30361163 | 180 |
| 110 x 75 | 30341175 | 30361175 | 177 |
| 110 x 90 | 30341190 | 30361190 | 187 |

| SIZE (mm) | CODE SDR11 (3034) | CODE SDR17 (3036) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 125 x 63 | 30341263 | 30361263 | 190 |
| 125 x 110 | 30341211 | 30361211 | 211 |
| 160 x 90 | 30341690 | 30361690 | 217 |
| 160 x 110 | 30341611 | 30361611 | 222 |
| 160 x 125 | 30341612 | 30361612 | 228 |
| 160 x 140 | 30341614 | 30361614 | 229 |
| 180 x 125 | 30341812 | 30361812 | 272 |
| 180 x 160 | 30341816 | 30361816 | 276 |
| 200 x 160 | 30342016 | 30362016 | 252 |
| 225 x 160 | 30342216 | 30362216 | 270 |
| 225 x 180 | 30342218 | 30362218 | 290 |
| 250 x 160 | 30342516 | 30362516 | 314 |
| 250 x 200 | 30342521 | 30362521 | 314 |
| 250 x 225 | 30342522 | 30362522 | 315 |
| 280 x 250 | 30342825 | 30362825 | 355 |
| 315 x 200 | 30343120 | 30363120 | 375 |
| 315 x 225 | 30343122 | 30363122 | 375 |
| 315 x 250 | 30343125 | 30363125 | 375 |
| 315 x 280 | 30343128 | 30363128 | 365 |

Note: Non-standard Reducers fabricated to order.

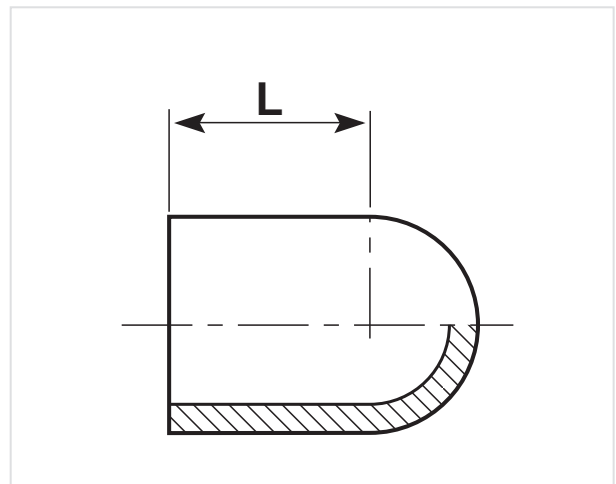


LONG SPIGOT END CAP (3274 / 3276)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3274) | CODE SDR17 (3276) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 20 | 32740020 | - | 45 |
| 25 | 32740025 | - | 48 |
| 32 | 32740032 | - | 54 |
| 40 | 32740040 | - | 61 |
| 50 | 32740050 | - | 71 |
| 63 | 32740063 | 32760063 | 84 |
| 75 | 32740075 | 32760075 | 91 |
| 90 | 32740090 | 32760090 | 107 |
| 110 | 32740110 | 32760110 | 133 |
| 125 | 32740125 | 32760125 | 132 |
| 140 | 32740140 | 32760140 | 144 |
| 160 | 32740160 | 32760160 | 168 |
| 180 | 32740180 | 32760180 | 192 |
| 200 | 32740200 | 32760200 | 182 |
| 225 | 32740225 | 32760225 | 212 |
| 250 | 32740250 | 32760250 | 230 |
| 280 | 32740280 | 32760280 | 257 |
| 315 | 32740315 | 32760315 | 262 |

70



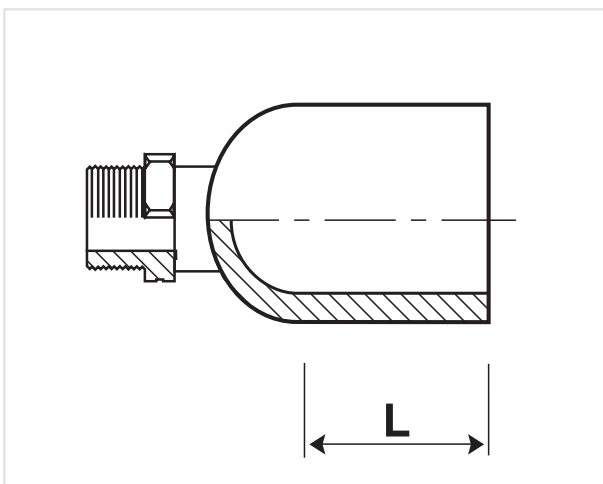
LONG SPIGOT TEST END CAP (3284 / 3286)

PE100 • SDR11 • SDR17

| SIZE (mm) | CODE SDR11 (3284) | CODE SDR17 (3286) | L (mm) |
|-----------|-------------------|-------------------|--------|
| 63 | 32846325 | 32866325 | 84 |
| 75 | 32847525 | 32867525 | 91 |
| 90 | 32849025 | 32869025 | 107 |
| 110 | 32841125 | 32861125 | 133 |
| 125 | 32841225 | 32861225 | 132 |
| 140 | 32841425 | 32861425 | 144 |
| 160 | 32841625 | 32861625 | 168 |
| 180 | 32841825 | 32861825 | 192 |
| 200 | 32842025 | 32862025 | 182 |
| 225 | 32842225 | 32862225 | 212 |
| 250 | 32842525 | 32862525 | 230 |
| 280 | 32842825 | 32862825 | 257 |
| 315 | 32843125 | 32863125 | 262 |

Note: The test end cap has a 1" thread size.

Do you need a size that is not listed here? We can fabricate to your specifications, please call us on 1300 270 270 for more details.



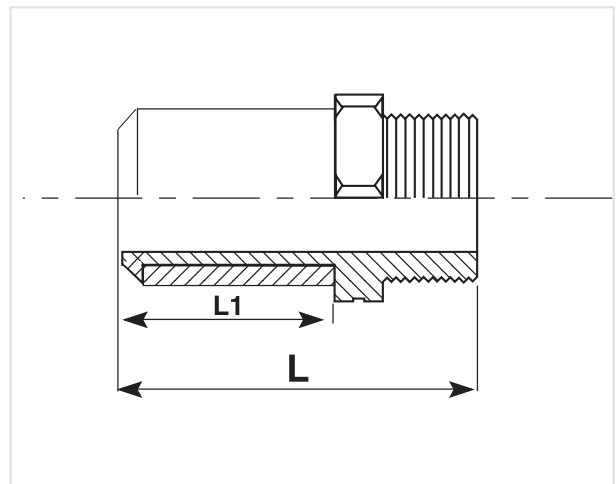
PE / BRASS MALE THREADED ADAPTOR (2334)

PE100 • SDR11 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | BSP THREAD SIZE INCH | BSP THREAD SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | BOX QTY |
|-----------|----------------------|----------------------|--------------|--------|---------|---------|
| 20 | x ½" | 15 | 23342015 | 96 | 41 | 100 |
| 25 | x ¾" | 20 | 23342520 | 95 | 38 | 100 |
| 32 | x 1" | 25 | 23343225 | 108 | 38 | 50 |
| 40 | x 1¼" | 32 | 23344032 | 122 | 44 | 27 |
| 50 | x 1½" | 40 | 23345040 | 125 | 44 | 27 |
| 63 | x 2" | 50 | 23346350 | 143 | 49 | 10 |
| 75 | x 2½" | 65 | 23347565 | 159 | 61 | 8 |
| 90 | x 3" | 80 | 23349080 | 178 | 60 | 5 |
| 110 | x 4" | 100 | 23341110 | 203 | 70 | 3 |

Looking for PE / Stainless Steel threaded fittings?
Call us now on 1300 270 270.

72

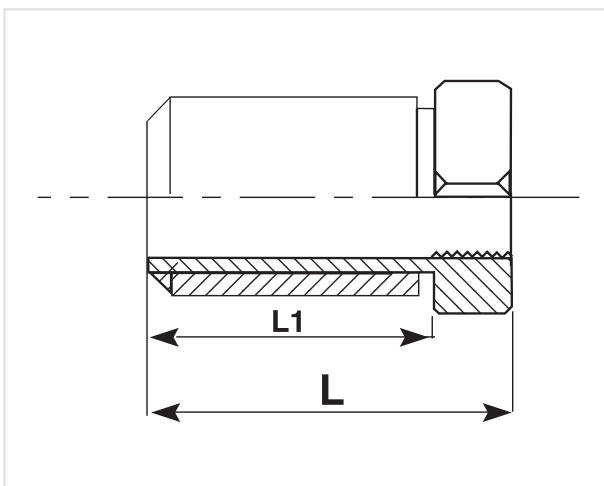


PE / BRASS FEMALE THREADED ADAPTOR (2344)

PE100 • SDR11 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | BSP THREAD SIZE INCH | BSP THREAD SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | BOX QTY |
|-----------|----------------------|----------------------|--------------|--------|---------|---------|
| 20 | x ½" | 15 | 23442015 | 79 | 41 | 150 |
| 25 | x ¾" | 20 | 23442520 | 80 | 38 | 100 |
| 32 | x 1" | 25 | 23443225 | 90 | 38 | 50 |
| 40 | x 1¼" | 32 | 23444032 | 100 | 44 | 36 |
| 50 | x 1½" | 40 | 23445040 | 103 | 44 | 27 |
| 63 | x 2" | 50 | 23446350 | 121 | 49 | 10 |
| 75 | x 2½" | 65 | 23447565 | 136 | 61 | 8 |
| 90 | x 3" | 80 | 23449080 | 149 | 60 | 5 |
| 110 | x 4" | 100 | 23441110 | 166 | 70 | 3 |

Looking for PE / Stainless Steel threaded fittings?
Call us now on 1300 270 270.

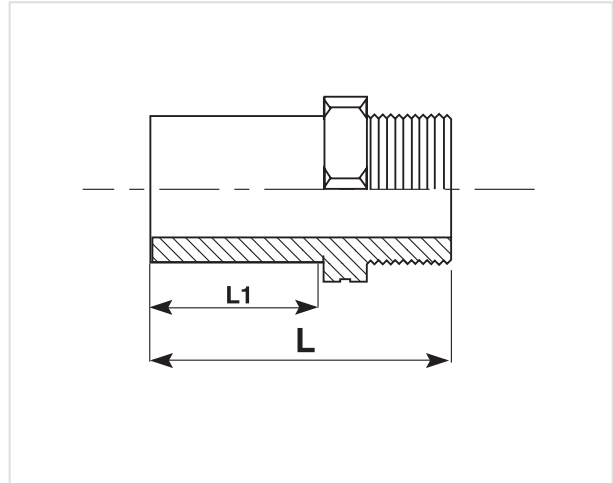


PE MALE BSP THREADED ADAPTOR (2354)

PE100 · SDR11-SDR17

| SIZE (mm) | BSP THREAD SIZE INCH | BSP THREAD SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | BOX QTY |
|-----------|----------------------|----------------------|--------------|--------|---------|---------|
| 20 | x ½" | 15 | 23542015 | 95 | 38 | 100 |
| 25 | x ¾" | 20 | 23542520 | 95 | 38 | 100 |
| 32 | x 1" | 25 | 23543225 | 108 | 38 | 50 |
| 40 | x 1¼" | 32 | 23544032 | 122 | 44 | 27 |
| 40 | x 1½" | 40 | 23544040 | 122 | 44 | 27 |
| 50 | x 1½" | 40 | 23545040 | 125 | 44 | 27 |
| 63 | x 2" | 50 | 23546350 | 143 | 49 | 10 |
| 75 | x 2½" | 65 | 23547565 | 159 | 61 | 8 |
| 90 | x 3" | 80 | 23549080 | 178 | 60 | 5 |
| 110 | x 4" | 100 | 23541110 | 203 | 70 | 3 |
| 125 | x 4" | 100 | 23541210 | 172 | 92 | 3 |

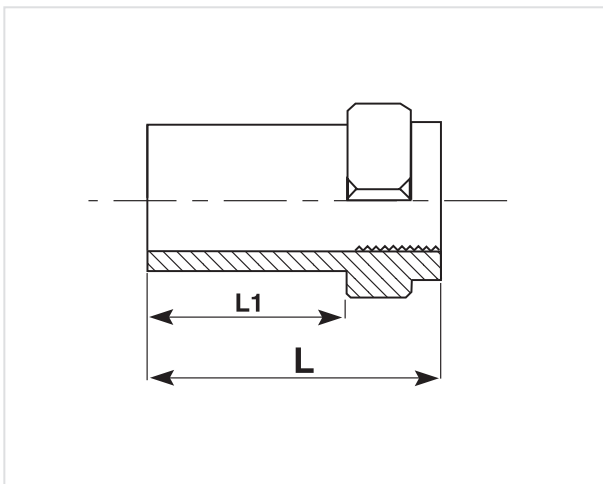
74



PE FEMALE BSP THREADED ADAPTOR (2364)

PE100 • SDR11-SDR17

| SIZE (mm) | BSP THREAD SIZE INCH | BSP THREAD SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | BOX QTY |
|-----------|----------------------|----------------------|--------------|--------|---------|---------|
| 20 | x ½" | 15 | 23642015 | 80 | 38 | 100 |
| 25 | x ¾" | 20 | 23642520 | 80 | 38 | 100 |
| 32 | x 1" | 25 | 23643225 | 90 | 38 | 50 |
| 40 | x 1¼" | 32 | 23644032 | 100 | 44 | 36 |
| 40 | x 1½" | 40 | 23644040 | 100 | 44 | 36 |
| 50 | x 1½" | 40 | 23645040 | 103 | 44 | 27 |
| 63 | x 2" | 50 | 23646350 | 121 | 49 | 10 |
| 75 | x 2½" | 65 | 23647565 | 136 | 61 | 8 |
| 90 | x 3" | 80 | 23649080 | 149 | 60 | 5 |
| 110 | x 4" | 100 | 23641110 | 166 | 70 | 3 |



75



ELECTROFUSION FITTINGS

The Acu-Tech Electrofusion System is easy to use and offers high performance with a rapid, convenient method of joining polyethylene pipes. Precise positioning of the energising coils of wire in each fitting ensures uniform melting for a strong joint and the minimisation of welding and cooling time.

For more information call us now on 1300 270 270.



| | |
|---|----|
| EF Coupler_____ | 78 |
| EF Reducer_____ | 79 |
| EF 90° Elbow_____ | 80 |
| EF 45° Elbow_____ | 81 |
| EF Equal Tee_____ | 82 |
| EF Reducing Tee_____ | 83 |
| EF Tapping Saddle_____ | 84 |
| EF Branch Saddle_____ | 85 |
| EF End Cap_____ | 86 |
| EF Test End Cap with Brass Male BSP Thread_____ | 87 |

ELECTROFUSION COUPLER (2014 / 2016)

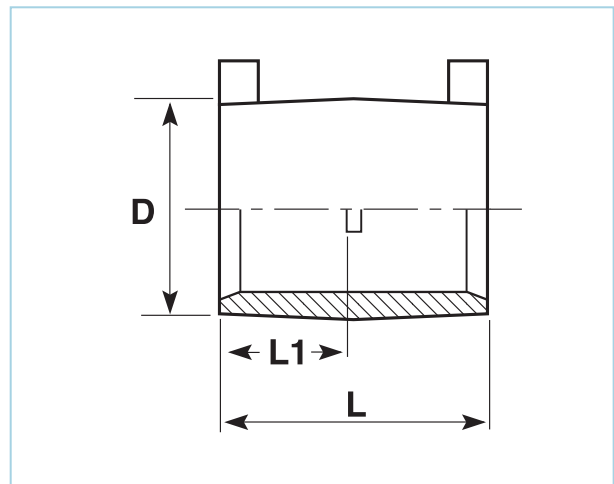
PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | CODE SDR11 (2014) | CODE SDR17 (2016) | L (mm) | L1 (mm) | D (mm) | BOX (QTY) |
|-----------|-------------------|-------------------|--------|---------|-----------|-----------|
| 20 | 20140020 | - | 77 | 38 | 29 | 100 |
| 25 | 20140025 | - | 77 | 38 | 34 | 100 |
| 32 | 20140032 | - | 77 | 38 | 43 | 80 |
| 40 | 20140040 | - | 90 | 44 | 52 | 100 |
| 50 | 20140050 | - | 91 | 44 | 62 | 70 |
| 63 | 20140063 | - | 102 | 49 | 77 | 30 |
| 75 | 20140075 | - | 120 | 59 | 92 | 45 |
| 90 | 20140090 | - | 122 | 60 | 110 | 30 |
| 110 | 20140110 | - | 144 | 70 | 133 | 14 |
| 125 | 20140125 | - | 154 | 75 | 151 | 12 |
| 140 | 20140140 | - | 165 | 79 | 172 | 6 |
| 160 | 20140160 | - | 175 | 86 | 195 | 4 |
| 180 | 20140180 | - | 185 | 91 | 220 | 4 |
| 200 | 20140200 | - | 186 | 92 | 243 | 4 |
| 225 | 20140225 | - | 222 | 111 | 270 | 2 |
| 250 | 20140250 | - | 222 | 111 | 300 | 2 |
| 280 | 20140280 | - | 260 | 130 | 335 | 1 |
| 315 | 20140315 | - | 260 | 130 | 377 | 1 |
| 355 | 20140355 | 20160355 | 265 | 133 | 425 / 431 | 1 |
| 400 | 20140400 | 20160400 | 290 | 145 | 478 / 485 | 1 |
| 450 | 20140450 | 20160450 | 320 | 160 | 522 / 560 | 1 |
| 500 | 20140500 | 20160500 | 360 | 180 | 621 / 579 | 1 |
| 560 | 20140560 | 20160560 | 390 | 195 | 694 / 644 | 1 |
| 630 | 20140630 | 20160630 | 430 | 215 | 780 / 723 | 1 |

Note 1: SDR17 couplers are rated to Water PN10- Gas PN6.

Note 2: Large Couplers for 710mm to 1200mm are available on request.

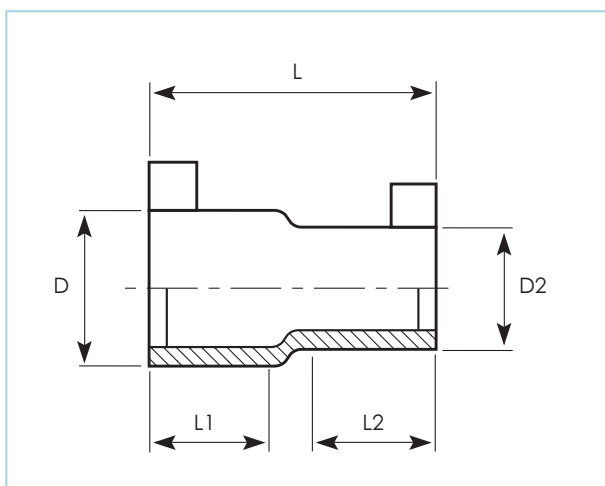
78



ELECTROFUSION REDUCER (2034 / 2036)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

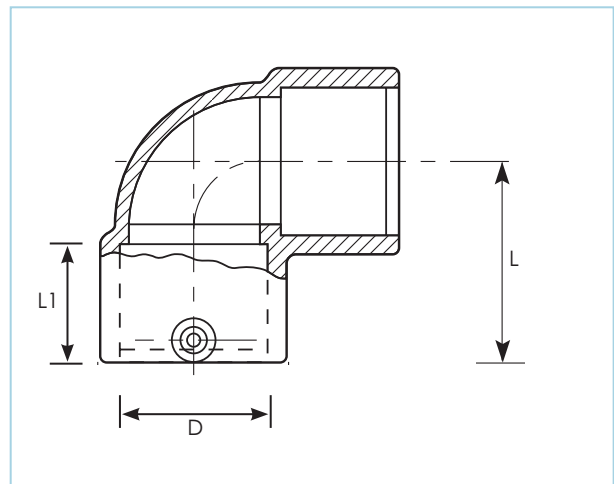
| SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | L2 (mm) | D (mm) | D2 (mm) |
|-----------|--------------|--------|---------|---------|--------|---------|
| 25 x 20 | 20342520 | 74 | 34 | 34 | 25 | 20 |
| 32 x 20 | 20343220 | 79 | 33 | 36 | 32 | 20 |
| 32 x 25 | 20343225 | 79 | 33 | 36 | 32 | 25 |
| 40 x 20 | 20344020 | 88 | 33 | 39 | 40 | 20 |
| 40 x 25 | 20344025 | 88 | 33 | 39 | 40 | 25 |
| 40 x 32 | 20344032 | 88 | 33 | 39 | 40 | 32 |
| 50 x 32 | 20345032 | 96 | 35 | 43 | 50 | 32 |
| 50 x 40 | 20345040 | 96 | 39 | 43 | 50 | 40 |
| 63 x 32 | 20346332 | 105 | 35 | 48 | 63 | 32 |
| 63 x 40 | 20346340 | 105 | 39 | 48 | 63 | 40 |
| 63 x 50 | 20346350 | 105 | 43 | 48 | 63 | 50 |
| 75 x 63 | 20347563 | 124 | 60 | 58 | 75 | 63 |
| 90 x 63 | 20349063 | 146 | 63 | 47 | 90 | 63 |
| 90 x 75 | 20349075 | 154 | 77 | 62 | 90 | 75 |
| 110 x 63 | 20341163 | 184 | 71 | 58 | 110 | 63 |
| 110 x 90 | 20341190 | 173 | 73 | 63 | 110 | 90 |
| 125 x 90 | 20341290 | 180 | 79 | 61 | 125 | 90 |
| 125 x 110 | 20341211 | 169 | 85 | 76 | 125 | 110 |
| 160 x 90 | 20341690 | 227 | 90 | 72 | 160 | 90 |
| 160 x 110 | 20341611 | 226 | 90 | 71 | 160 | 110 |
| 180 x 125 | 20341812 | 254 | 96 | 78 | 180 | 125 |
| 200 x 160 | 20342016 | 365 | 104 | 90 | 200 | 160 |
| 225 x 160 | 20342216 | 385 | 112 | 90 | 225 | 160 |
| 225 x 200 | 20342220 | 390 | 112 | 104 | 225 | 200 |
| 250 x 160 | 20342516 | 400 | 123 | 90 | 250 | 160 |
| 250 x 200 | 20342521 | 417 | 123 | 104 | 250 | 200 |
| 250 x 225 | 20342521 | 430 | 123 | 112 | 250 | 225 |



ELECTROFUSION 90° ELBOW (2054)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | D (mm) |
|-----------|--------------|--------|---------|--------|
| 20 | 20540020 | 54 | 34 | 20 |
| 25 | 20540025 | 54 | 34 | 25 |
| 32 | 20540032 | 53 | 36 | 32 |
| 40 | 20540040 | 62 | 39 | 40 |
| 50 | 20540050 | 71 | 43 | 50 |
| 63 | 20540063 | 81 | 48 | 63 |
| 75 | 20540075 | 94 | 54 | 75 |
| 90 | 20540090 | 122 | 62 | 90 |
| 110 | 20540110 | 147 | 72 | 110 |
| 125 | 20540125 | 155 | 77 | 125 |
| 160 | 20540160 | 191 | 92 | 160 |
| 180 | 20540180 | 210 | 96 | 180 |
| 200 | 20540200 | 298 | 104 | 200 |
| 225 | 20540225 | 318 | 112 | 225 |
| 250 | 20540250 | 347 | 123 | 250 |



80

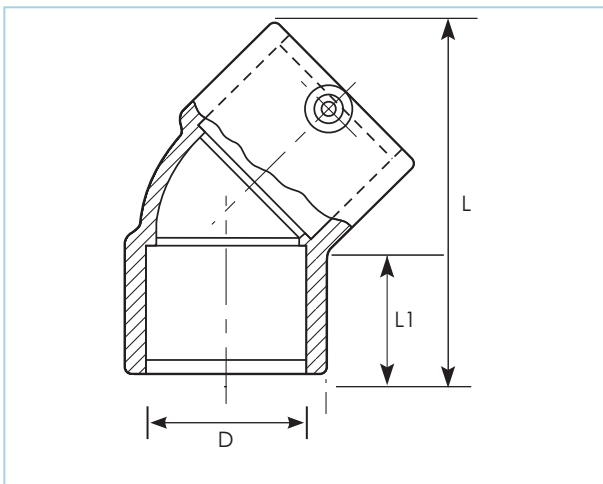


ELECTROFUSION 45° ELBOW (2104)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | D (mm) |
|-----------|--------------|--------|---------|--------|
| 32 | 21040032 | 44 | 36 | 32 |
| 40 | 21040040 | 50 | 39 | 40 |
| 50 | 21040050 | 56 | 43 | 50 |
| 63 | 21040063 | 63 | 48 | 63 |
| 75 | 21040075 | 71 | 54 | 75 |
| 90 | 21040090 | 91 | 62 | 90 |
| 110 | 21040110 | 112 | 72 | 110 |
| 125 | 21040125 | 119 | 78 | 125 |
| 160 | 21040160 | 135 | 92 | 160 |
| 180 | 21040180 | 144 | 95 | 180 |
| 200 | 21040200 | 232 | 104 | 200 |
| 225 | 21040225 | 247 | 112 | 225 |
| 250 | 21040250 | 275 | 123 | 250 |

Note: 22.5° elbow (2124) available in 180mm and other sizes.



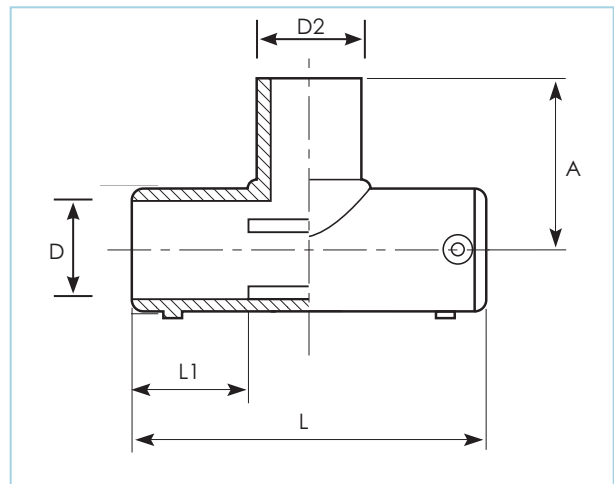
ELECTROFUSION EQUAL TEE (2154)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | D (mm) | A (mm) |
|-----------|--------------|--------|---------|--------|--------|
| 20 | 21540020 | 88 | 32 | 20 | 92 |
| 25 | 21540025 | 90 | 32 | 25 | 92 |
| 32 | 21540032 | 102 | 34 | 32 | 100 |
| 40 | 21540040 | 119 | 39 | 40 | 114 |
| 50 | 21540050 | 135 | 42 | 50 | 126 |
| 63 | 21540063 | 151 | 46 | 63 | 150 |
| 75 | 21540075 | 178 | 54 | 75 | 143 |
| 90 | 21540090 | 205 | 62 | 90 | 161 |
| 110 | 21540110 | 255 | 72 | 110 | 184 |
| 125 | 21540125 | 276 | 78 | 125 | 207 |
| 160 | 21540160 | 325 | 92 | 160 | 206 |
| 180 | 21540180 | 344 | 90 | 180 | 250 |
| 200 | 21540200 | 590 | 104 | 200 | 250 |
| 225 | 21540225 | 636 | 112 | 225 | 270 |
| 250 | 21540250 | 685 | 123 | 250 | 288 |

Note: Centre of tee is a spigot fitting. A coupler is required.

82

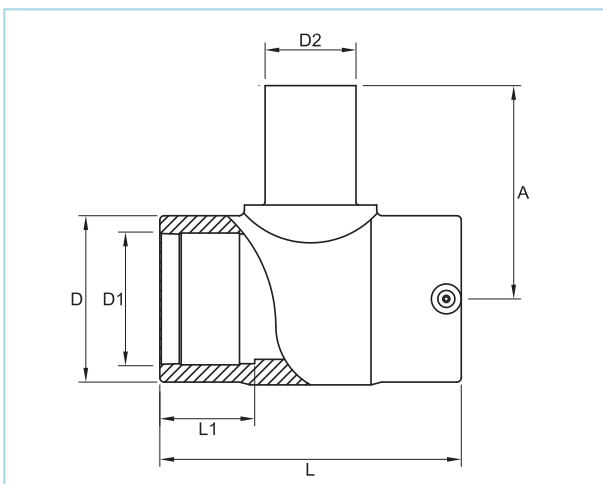


ELECTROFUSION REDUCING TEE (2164)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | D (mm) | D1 (mm) | D2 (mm) | A (mm) | BOX QTY |
|-----------|--------------|--------|---------|--------|---------|---------|--------|---------|
| 50 x 25 | 21645025 | 139 | 48 | 68 | 50 | 25 | 78 | 64 |
| 50 x 40 | 21645040 | 144 | 49 | 67 | 50 | 40 | 101 | 25 |
| 63 x 40 | 21646340 | 154 | 34 | 81 | 63 | 40 | 108 | 24 |
| 63 x 50 | 21646350 | 157 | 51 | 83 | 63 | 50 | 118 | 26 |
| 90 x 63 | 21649063 | 206 | 63 | 115.5 | 90 | 63 | 138 | 12 |
| 110 x 63 | 21641163 | 239 | 73 | 142 | 110 | 63 | 147 | 8 |
| 110 x 90 | 21641190 | 239 | 73 | 139 | 110 | 90 | 162 | 6 |
| 125 x 63 | 21641263 | 266 | 79 | 157 | 125 | 63 | 500 | 3 |
| 125 x 90 | 21641290 | 264 | 80 | 156 | 125 | 90 | 196 | 4 |
| 125 x 110 | 21641211 | 262 | 76 | 156 | 125 | 110 | 359 | 1 |
| 160 x 63 | 21641663 | 367 | 112 | 210 | 160 | 63 | 385 | 2 |
| 160 x 90 | 21641690 | 365 | 112 | 210 | 160 | 90 | 385 | 2 |
| 160 x 110 | 21641611 | 313 | 89 | 200 | 160 | 110 | 202 | 2 |
| 160 x 125 | 21641612 | 365 | 112 | 213 | 160 | 125 | 410 | 2 |
| 180 x 125 | 21641812 | 330 | 90 | 222 | 180 | 125 | 222 | 2 |

Note: Centre of tee is a spigot fitting. A coupler is required.



ELECTROFUSION TAPPING SADDLE (2214)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

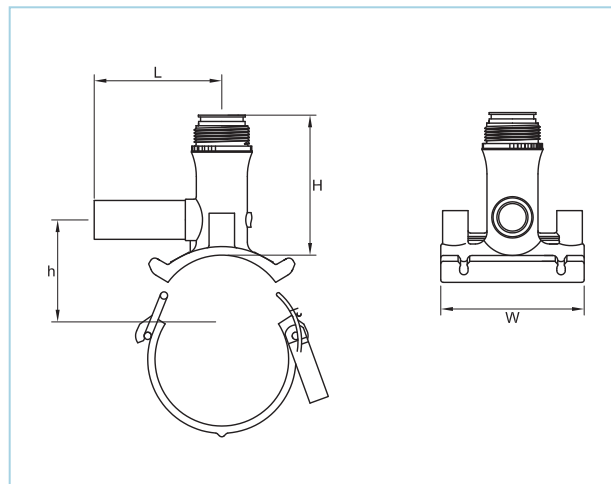
| SIZE (mm) | PRODUCT CODE | L (mm) | H (mm) | H1 (mm) | W (mm) | BOX QTY |
|-----------|--------------|--------|--------|---------|--------|---------|
| 40 x 20 | 22144020 | 105 | 110 | 27 | 120 | 15 |
| 40 x 32 | 22144032 | 105 | 110 | 27 | 120 | 15 |
| 50 x 32 | 22145032 | 105 | 110 | 27 | 120 | 15 |
| 63 x 20 | 22146320 | 105 | 104 | 73 | 120 | 10 |
| 63 x 32 | 22146332 | 105 | 119 | 62 | 120 | 10 |
| 63 x 40 | 22146340 | 165 | 155 | 59.5 | 146 | 10 |
| 63 x 63 | 22146363 | 165 | 155 | 60 | 146 | 10 |
| 90 x 32 | 22149032 | 105 | 110 | 77 | 120 | 15 |
| 90 x 63 | 22149063 | 165 | 152 | 57 | 146 | 10 |
| 110 x 20 | 22141120 | 105 | 117 | 87 | 120 | 10 |
| 110 x 32 | 22141132 | 105 | 117 | 87 | 120 | 10 |
| 110 x 40 | 22141140 | 165 | 176 | 105 | 146 | 10 |
| 110 x 63 | 22141163 | 165 | 176 | 105 | 146 | 10 |
| 125 x 32 | 22141232 | 105 | 117 | 95 | 120 | 10 |
| 125 x 63 | 22141263 | 165 | 112 | 112 | 146 | 10 |
| 160 x 20 | 22141620 | 105 | 122 | 112 | 120 | 10 |
| 160 x 32 | 22141632 | 105 | 122 | 112 | 120 | 10 |
| 160 x 40 | 22141640 | 165 | 182 | 137 | 146 | 10 |
| 160 x 63 | 22141663 | 165 | 137 | 182 | 146 | 10 |
| 180 x 32 | 22141832 | 105 | 122 | 122 | 120 | 10 |
| 180 x 63 | 22141863 | 165 | 147 | 183 | 146 | 10 |
| 200 x 32 | 22142032 | 105 | 122 | 132 | 120 | 10 |
| 200 x 63 | 22142063 | 105 | 157 | 183 | 146 | 10 |
| 225 x 20 | 22142220 | 105 | 122 | 122 | 120 | 10 |
| 225 x 40 | 22142240 | 165 | 183 | 169 | 146 | 5 |
| 225 x 63 | 22142263 | 165 | 169 | 183 | 146 | 5 |
| 250 x 63 | 22142563 | 165 | 183 | 182 | 146 | 5 |

Note 1: Larger sizes and live tapping saddles available on request.

Note 2: Extensive range of main and branch options available. Contact us if the tapping saddle you require is not listed above.

Note 3: "No-blow" tube attachment supplied as standard for tapping into live mains.

84

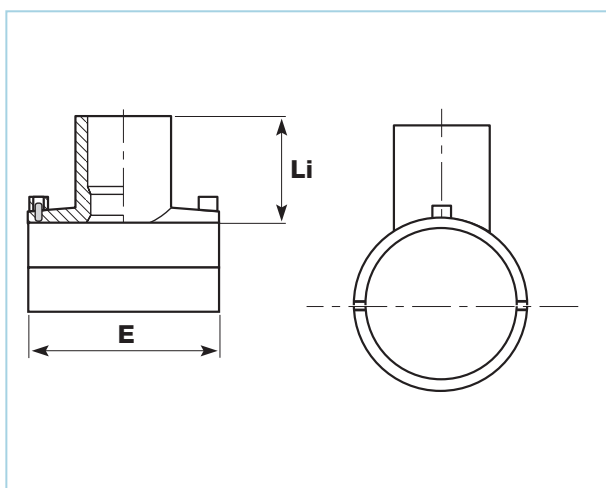


ELECTROFUSION BRANCH SADDLE (2224)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE | L1 (mm) | E (mm) | BOX QTY |
|-----------|--------------|---------|--------|---------|
| 63 x 32 | 22246332 | 106 | 105 | 10 |
| 63 x 40 | 22246340 | 106 | 105 | 10 |
| 63 x 50 | 22246350 | 106 | 105 | 10 |
| 63 x 63 | 22246363 | 106 | 105 | 10 |
| 90 x 63 | 22249063 | 124 | 144 | 10 |
| 110 x 63 | 22241163 | 70 | 165 | 5 |
| 110 x 90 | 22241190 | 121 | 165 | 5 |
| 125 x 63 | 22241263 | 102 | 118 | 5 |
| 125 x 90 | 22241290 | 84 | 180 | 5 |
| 160 x 63 | 22241663 | 114 | 118 | 2 |
| 160 x 90 | 22241690 | 110 | 215 | 2 |
| 160 x 110 | 22241611 | 121 | 217 | 2 |
| 180 x 90 | 22241890 | 100 | 215 | 2 |
| 180 x 110 | 22241811 | 121 | 217 | 2 |
| 180 x 125 | 22241812 | 121 | 217 | 2 |
| 200 x 63 | 22242063 | 104 | 118 | 2 |
| 200 x 90 | 22242090 | 115 | 165 | 2 |
| 225 x 63 | 22242263 | 104 | 118 | 2 |
| 225 x 90 | 22242290 | 113 | 165 | 2 |
| 225 x 125 | 22242212 | 123 | 310 | 2 |
| 250 x 63 | 22242563 | 104 | 118 | 2 |
| 250 x 90 | 22242590 | 120 | 165 | 2 |
| 250 x 125 | 22242512 | 110 | 310 | 2 |
| 280 x 63 | 22242863 | 104 | 118 | 2 |
| 315 x 63 | 22243163 | 104 | 118 | 2 |
| 355 x 63 | 22243563 | 104 | 118 | 2 |

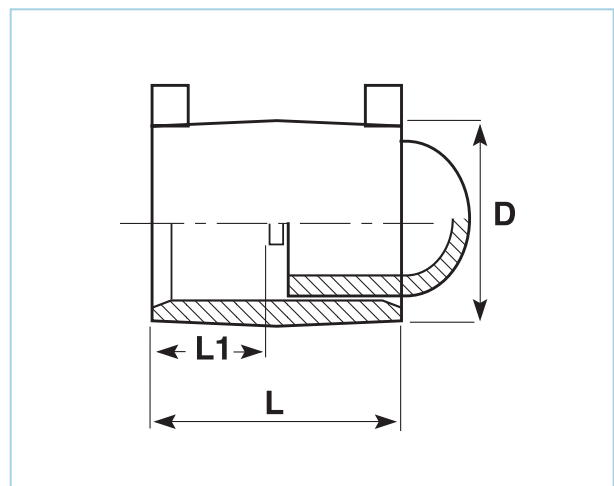
Note: Larger sizes and live tapping systems available on request.



ELECTROFUSION END CAP (2274)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE | L (mm) | L1 (mm) | D (mm) | BOX QTY |
|-----------|--------------|--------|---------|--------|---------|
| 20 | 22740020 | 82 | 38 | 29 | 100 |
| 25 | 22740025 | 82 | 38 | 34 | 100 |
| 32 | 22740032 | 84 | 38 | 43 | 80 |
| 40 | 22740040 | 97 | 44 | 52 | 100 |
| 50 | 22740050 | 101 | 44 | 62 | 70 |
| 63 | 22740063 | 115 | 49 | 77 | 30 |
| 75 | 22740075 | 133 | 59 | 92 | 20 |
| 90 | 22740090 | 138 | 60 | 110 | 24 |
| 110 | 22740110 | 164 | 70 | 133 | 14 |
| 125 | 22740125 | 175 | 75 | 151 | 10 |
| 140 | 22740140 | 236 | 79 | 172 | 6 |
| 160 | 22740160 | 202 | 86 | 195 | 4 |
| 180 | 22740180 | 214 | 91 | 220 | 4 |
| 200 | 22740200 | 215 | 92 | 243 | 4 |
| 225 | 22740225 | 222 | 109 | 270 | 2 |
| 250 | 22740250 | 220 | 108 | 295 | 2 |
| 280 | 22740280 | 390 | 127 | 345 | 1 |
| 315 | 22740315 | 395 | 128 | 386 | 1 |



86

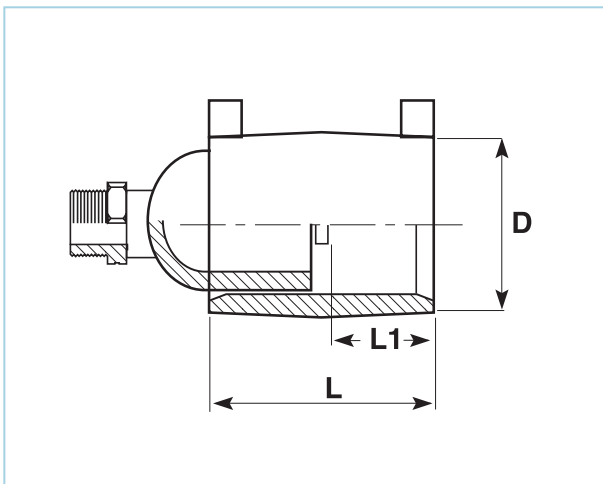


EF TEST END CAP WITH BRASS MALE BSP THREAD (2284)

PE100 • SDR11-SDR17 • PN16 WATER • 1000KPA GAS

| SIZE (mm) | PRODUCT CODE 1" (25mm) BSP | L (mm) | L1 (mm) | D (mm) | BOX QTY |
|-----------|-------------------------------|-----------|------------|-----------|------------|
| 90 | 22849025 | 193 | 60 | 110 | 25 |
| 110 | 22841125 | 220 | 70 | 133 | 18 |
| 125 | 22841225 | 230 | 75 | 151 | 10 |
| 140 | 22841425 | 257 | 89 | 176 | 6 |
| 160 | 22841625 | 269 | 85 | 196 | 4 |
| 180 | 22841825 | 270 | 91 | 220 | 4 |
| 200 | 22842025 | 275 | 108 | 243 | 2 |
| 225 | 22842225 | 277 | 109 | 276 | 2 |
| 250 | 22842525 | 291 | 108 | 301 | 2 |
| 280 | 22842825 | 445 | 127 | 345 | 1 |
| 315 | 22843125 | 452 | 128 | 386 | 1 |

Note: Other sizes and female threads available on request.



ADDITIONAL SERVICES

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| | |
|--------------------------|-------|
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| Equipment Sales and Hire | 94-97 |
| Polyweld Tech Academy | 98-99 |

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Call us now on 1300 270 270.



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Do you need a complex pipe spool or tank fabricated? Limited space to work with? Struggling with a metal corrosion problem?

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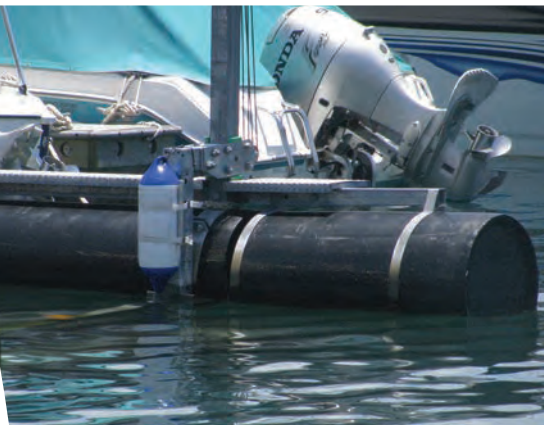
Shorter Lead Times

We understand that you are often working to tight deadlines and need your poly fabrications fast!

That's why we have a 6,000 m² HDPE fabrication facility with a fully equipped workshop to ensure your fabrication is completed on time. We also have the capacity to put on extra shifts for those really urgent jobs.

And because the Acu-Fab division is located within the Acu-Tech factory complex, raw materials are directly available which helps to reduce lead times. This also allows the Acu-Fab team access to the extensive knowledge, experience and resource of the wider Acu-Tech team.

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- Scour tees
- Overflows
- Suction strainers
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- Flanged pipes and fittings

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FABRICATION SERVICES



Quality Assurance & Documentation

We understand that Quality Assurance and MDR (Manufacturer Data Records) are key requirements of major projects.

With the combination of:

- Quality Management Systems to ISO 9001.
- Fully qualified and experienced staff.
- Calibrated fusion welding equipment.
- Access to Polyweld Tech Academy, a NATA Accredited Weld and Materials Testing Laboratory located next door.

Acu-Fab has the capability to produce high quality fabrications in accordance with your specifications, and will ensure that all QA/QC documentation requirements are fully completed as required.



BUTT FUSION WELDERS

Acu-Tech Piping Systems stock a range of butt fusion welders available for sale and are all ready to go for your next piping installation project.

UFuse is a range of quality designed butt fusion welding machines that are reliable and low maintenance, ready for use at your next construction project that requires pipe installation either in the field or on-site.

Each of our welding sets consist of a:

- main machine with base frame, clamping rings and hydraulic cylinders
- hydraulic power pack
- heating element
- trimmer/cutter
- stand for the heating element and trimmer
- set of clamp inserts
- stub end device
- tool kit

Our suite of butt weld equipment has a welding size range of 32mm to 630mm (outside diameter).

Brands sold include Dixon, Ritmo and UFuse.



94

CALIBRATION AND SERVICING

Acu-Tech's equipment department can service your electrofusion welder, butt welder or extrusion welder, as well as a range of hand tools. All major branded welding equipment can be repaired or calibrated from our fully equipped workshop in Western Australia. Our experienced team can arrange consumables or spare parts from various manufacturers, either locally or from overseas suppliers.



ELECTROFUSION WELDERS

HST300 Smart

- Operating range up to 160mm
- Professional welding control
- Data traceability management
- Automatic data logging
- 500 report memory
- Barcode scanner for data input
- Quality carry bag with shoulder strap
- USB interface for data transfer



HST300 Print 450

- Operating range up to 450mm
- Professional welding control
- Data traceability management
- Automatic data logging
- 5,000 report memory
- Data input by barcode scanner or manual input
- Bluetooth connectivity to view or transfer weld data via the WeldTrace app
- USB interface or Bluetooth for data transfer
- Welder ID management configuration

HST300 GPS Print+

- Operating range up to 1200mm
- Professional welding control
- Data traceability management to ISO 12176-2/4
- GPS recording of time and geo-coordinates
- Automatic data logging
- 10,000 report memory
- Data input by barcode scanner, Fusamatic autoID or manual input
- Bluetooth connectivity to view or transfer weld data via the WeldTrace app
- USB interface or Bluetooth for data transfer
- Dedicated print menu to transfer to (optional) label printer
- Welder ID management configuration
- Dedicated memory back-up routine
- Large, easy read display with adjustable contrast and a wide viewing angle

EXTRUSION WELDERS

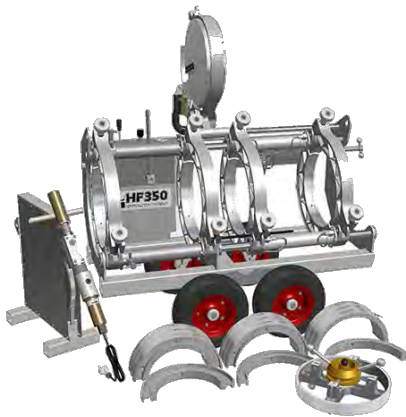
Acu-Tech supplies and services a range of quality extrusion welders to suit all applications.

Contact our team on 1300 270 270 for further information.



BUTT FUSION WELDERS

Acu-Tech offer a range of butt welding machines for hire to allow you to focus on the project at hand, without the investment of equipment upfront.



Dixon

- LF110 (110mm) Butt Welder
- HF225 (225mm) Butt Welder
- EHF225 (225mm) Butt Welder
- HF350 (355mm) Butt Welder
- EHF350 (355mm) Butt Welder
- HF630 (630mm) Butt Welder



McElroy

- Pitbull 110mm Butt Welder
- Rolling 250mm Butt Welder
- T618 TracStar (450mm) Butt Welder
- T500 TracStar (500mm) Butt Welder
- T900 TracStar (900mm) Butt Welder



Ritmo

- 355mm All-Terrain Butt Welder
- 630mm All-Terrain Butt Welder



Fast Fusion

- MFT20 Mobile Fusion (500mm) Butt Welder

ELECTROFUSION WELDERS

Acu-Tech have a range of Huerner electrofusion machines available for hire.





Disposable Welding Wipes



Pipe Cutters



Squeeze Off-Tools



Re-Rounding Clamps



Strap Clamps



Small Clamps



Multi Rotary Spring-Loaded Scraper



Mono Pipe Scraper



Turbo Pipe Scraper



Pipe Rollers



Debadders



Thermometers

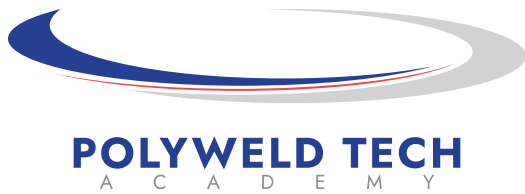
For detailed specifications, model numbers and prices contact our friendly sales team on 1300 270 270.





OUR VISION

To be recognised as the leading provider of HDPE joint and material testing services, and plastics welder training.



Polyweld Tech Academy is both a NATA endorsed laboratory and Registered Training Organisation specialising in the following areas:

Training:

Polyweld Tech Academy is accredited to deliver the following Nationally Recognised plastics welder training programs:

- Join Polyethylene Plastic Pipelines using Butt Welding (PMBWELD301E)
- Join Polyethylene Plastic Pipelines using Electrofusion Welding (PMBWELD302E)
- Weld Plastic using Extrusion Techniques (PMBWELD309E)

With facilities in Perth, Brisbane and Melbourne, our highly experienced trainers will happily travel nationwide to a location convenient for you. The combination of training and testing gives us helpful insight into the areas of welding that may require attention.

RTO Provider Code: 40687



Testing:

Polyweld Tech's NATA Accredited test laboratory provides HDPE weld testing and material analysis. With the latest technology and experienced technicians we guarantee accurate results.

Testing services include:

- Tensile testing of butt welded joints to ISO 13953 - Polyethylene (PE) pipes and fittings - Determination of the tensile strength and failure mode
- Electrofusion joint peel decohesion testing to ISO 13954 - Peel decohesion test for electrofusion assemblies
- Electrofusion joint crush decohesion testing to ISO 13955 - Plastics pipes and fittings - Crushing decohesion test for polyethylene (PE) electrofusion assemblies
- Bend Testing of butt welded joints to BSEN 12814.1 - 2000 - Testing of welded joints - Bend test
- Shear and peel strength tests on geomembrane HDPE liners to ASTM D6392 - Determining the Integrity of Nonreinforced Geomembrane Seams Produced using Thermo-Fusion
- Oxidation Induction Time (OIT) to 11357-6 Part 6: Determination of oxidation induction time
- Melt Flow Rate Testing to ISO 1133 Plastics - Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics
- Differential Scanning Calorimetric Analysis
- Moisture and Volatile Content Analysis

Call us now on 1300 367 659



USEFUL INFORMATION

With our own fleet of trucks and drivers we can provide the complete package solution for your project. We accommodate pipe loading up to 20m in length and 800mm diameter. Our transport team is committed to delivering orders to your site in full and on time safely whilst ensuring efficient unloading and quality service.

Should you require further information, do not hesitate to contact our sales team on 1300 270 270.



Truck Pipe & Coil Capacity _____102

APPROXIMATE PIPE CAPACITY OF TRUCKS

STRAIGHT LENGTHS

| PIPE O.D (mm) | NO. OF PIPES 12m · SDR11 | NO. OF PIPES 20m · SDR11 |
|---------------|--------------------------|--------------------------|
| 110mm | 462 | 325 |
| 125mm | 396 | 250 |
| 140mm | 374 | 205 |
| 160mm | 252 | 155 |
| 180mm | 170 | 125 |
| 200mm | 165 | 100 |
| 225mm | 114 | 78 |
| 250mm | 108 | 64 |
| 280mm | 80 | 51 |
| 315mm | 63 | 40 |
| 355mm | 48 | 32 |
| 400mm | 35 | 25 |
| 450mm | 27 | 19 |
| 500mm | 24 | 16 |
| 560mm | 18 | 13 |
| 630mm | 15 | 10 |
| 710mm | 12 | 8 |
| 800mm | 8 | 6 |

COILS

| PIPE O.D (mm) | NO. OF COILS |
|---------------|--------------|
| 63 | 45 |
| 75 | 40 |
| 90 | 25 |
| 110 (100m) | 20 |
| 125 | 16 |
| 140 | 12 |
| 160 | 8- 12 |

Note: Based on semi-trailer capacity. Quantities may not always be achievable. This information is provided as a guide only. Contact our team for advice on your project logistics.

102



| PE PIPE SDR | MIN BEND RADIUS (X DN) |
|--|---------------------------|
| 9 | 12 |
| 11 | 15 |
| 13.6 | 21 |
| 17/17.6 | 25 |
| 21 | 35 |
| 26 | 45 |
| 33 | 65 |
| Fitting or flange present in the curve | See recommendations below |

EXAMPLE

The minimum radius of bend for placing a 500mm, SDR 11 PE pipe is: $(500 \times 15) \text{ mm} = 7.5\text{m}$

Where the required bend radii is less than the manufacturer's specified minimum radii formed bends shall be used to prevent undue stresses in the pipeline.

BUTT FUSION JOINTS

Where butt fusion joints will be installed as part of a curved pipeline all welding, including the full cooling cycle must be completed on straight pipe sections prior to curving. Pipelines including butt fusion joints can be curved to the minimum bend radii of plain pipe as defined in the table above.

ELECTROFUSION FITTINGS AND MECHANICAL JOINTS

Where electrofusion, flanged or other mechanical fittings are required on the curved section, it is advisable to seek the advice of the fitting manufacturer as in some cases different minimum radii will be required to avoid the creation of high localised stresses at the fitting. As a general guide the minimum bend radii for pipelines containing these fittings should be 100 times DN.

Electrofusion Fittings:

- All EF joints shall be welded with the pipeline straight (i.e. prior to any curving)
- The full welding and cooling cycle must be completed before bending the pipeline. Many fitting manufacturers also recommend an additional cooling period of the order of 4 times the recommended cooling cycle before the pipeline is curved.

Mechanical Fittings: In the case of mechanical fittings the same minimum bend radii as applied to plain pipe can be used for fittings up to and including DN63 where the fittings meet the requirements of AS/NZS 4129. Above DN63 or where the fitting does not meet the requirements of AS/NZS4129 the installer shall seek the advice of the manufacturer as there is a wide variation in capability across the variety of mechanical fittings that are available.

CURVING PE PIPE

Curving shall always be gradual and the pipe must never be kinked or bent around a corner, sharp object or a star picket. The pipe should be progressively supported with backfill material as the pipe is formed around the curve.

Information retrieved from PIPA (Plastics Industry Pipe Association of Australia Limited) <https://pipa.com.au/>.

DISCLAIMER

Disclaimer: As always with information supplied by Acu-Tech Piping Systems, we supply it as a guide in the interest of better understanding the technical properties of our products. However, the application of such information may involve engineering judgements which cannot be correctly made without intimate knowledge of all the conditions pertaining to a specific installation. Acu-Tech Piping Systems does not act as a consultant in this regard; the responsibility for the use of any information or advice contained herein rests solely with the user. It should not be used in place of a professional engineer's judgement or advice and is not intended as installation instructions.

See full disclaimer at www.acu-tech.com.au/information-disclaimer/

For our terms and conditions relating expressly to this catalogue, see: www.acu-tech.com.au/terms-conditions/





THE HDPE PIPE SYSTEMS SPECIALISTS

ACU-TECH.COM.AU

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ABN: 68 626 756 223

Locations across Australia

Perth

Kalgoorlie

Brisbane

Melbourne

