



## POLYETHYLENE INDEX

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## PRODUCTS AVAILABLE ON REQUEST FROM OUR POLYETHYLENE DEPT INCLUDE

- \* Polyethylene Dewatering header pipes
- \* Polyethylene Manholes
- \* Polyethylene Inspection chambers
- \* Polyethylene Manifolds



Polyethylene Fabricated fittings are manufactured to comply with derating factors as detailed in ISO 4427-3:2007.

### BENDS

Bends made from pipe segments must have the following derating calculation done when the weld angle is over 15 degrees.

$$PN = fB \times PN \text{ Pipe}$$

$$\text{Example: Pipe is PN16 SDR11} \quad 0.8 \times PN16 = PN12.8$$

### TEES & WYE JUNCTIONS

Equal tees and wyes made from pipe segments must have the following derating calculation done.

$$PN = fT \times PN \text{ Pipe} \quad fT = 0.5$$

$$\text{Example: Pipe is PN16 SDR11} \quad 0.5 \times PN16 = PN8$$

## POLYETHYLENE PIPE DIMENSIONS

Based on AS/NZs 4130 – 2008, Polyethylene pipes for pressure applications, SDR – Nominal ratio of outside diameter to wall thickness ID – mean internal diameter

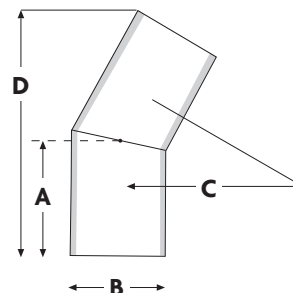
| Size DN | SDR41            |         |         | SDR33            |         |         | SDR26            |         |         | SDR21            |         |         | SDR17            |         |         | SDR13.6          |         |         | SDR11            |         |         | SDR9             |         |         |
|---------|------------------|---------|---------|------------------|---------|---------|------------------|---------|---------|------------------|---------|---------|------------------|---------|---------|------------------|---------|---------|------------------|---------|---------|------------------|---------|---------|
| PE80    | PN3.2            |         |         | PN4              |         |         | –                |         |         | PN6.3            |         |         | PN8              |         |         | PN10             |         |         | PN12.5           |         |         | PN16             |         |         |
| PE100   | PN4              |         |         | –                |         |         | PN6.3            |         |         | PN8              |         |         | PN10             |         |         | PN12.5           |         |         | –                |         |         | PN20             |         |         |
| OD      | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr | min wall thk. mm | I.D. mm | KG/ mtr |
| 16      | 1.6              | 13      | 0.2     | 1.6              | 13      | 0.1     | 1.6              | 13      | 0.1     | 1.6              | 13      | 0.1     | 1.6              | 13      | 0.1     | 1.6              | 13      | 0.1     | 1.6              | 13      | 0.1     | 1.8              | 12      | 0.1     |
| 20      | 1.6              | 17      | 0.1     | 1.6              | 17      | 0.1     | 1.6              | 17      | 0.1     | 1.6              | 17      | 0.1     | 1.6              | 17      | 0.1     | 1.6              | 17      | 0.1     | 1.6              | 17      | 0.1     | 2.2              | 16      | 0.1     |
| 25      | 1.6              | 22      | 0.1     | 1.6              | 22      | 0.1     | 1.6              | 22      | 0.1     | 1.6              | 22      | 0.1     | 1.6              | 22      | 0.1     | 1.9              | 22      | 0.1     | 2.3              | 20      | 0.2     | 2.8              | 19      | 0.1     |
| 32      | 1.6              | 29      | 0.1     | 1.6              | 29      | 0.1     | 1.6              | 29      | 0.2     | 1.6              | 29      | 0.2     | 1.9              | 28      | 0.2     | 2.4              | 27      | 0.3     | 2.9              | 26      | 0.3     | 3.6              | 26      | 0.3     |
| 40      | 1.6              | 37      | 0.2     | 1.6              | 37      | 0.2     | 1.6              | 37      | 0.2     | 1.9              | 36      | 0.2     | 2.4              | 35      | 0.2     | 2.9              | 34      | 0.4     | 3.6              | 33      | 0.4     | 4.4              | 31      | 0.5     |
| 50      | 1.6              | 47      | 0.2     | 1.6              | 47      | 0.2     | 2.3              | 46      | 0.3     | 2.4              | 45      | 0.4     | 2.9              | 44      | 0.4     | 3.7              | 43      | 0.5     | 4.5              | 41      | 0.7     | 5.6              | 39      | 0.8     |
| 63      | 1.6              | 60      | 0.3     | 2.0              | 59      | 0.4     | 2.4              | 58      | 0.5     | 3.0              | 57      | 0.6     | 3.7              | 56      | 0.7     | 4.6              | 54      | 0.9     | 5.7              | 52      | 1.1     | 7.0              | 49      | 1.3     |
| 75      | 1.9              | 71      | 0.5     | 2.3              | 70      | 0.6     | 2.9              | 69      | 0.7     | 3.6              | 68      | 0.8     | 4.4              | 66      | 1.0     | 5.5              | 64      | 1.2     | 6.8              | 61      | 1.5     | 8.3              | 58      | 1.8     |
| 90      | 2.2              | 86      | 0.6     | 2.7              | 84      | 1.0     | 3.5              | 83      | 1.0     | 4.3              | 81      | 1.2     | 5.3              | 79      | 1.4     | 6.6              | 77      | 1.8     | 8.2              | 74      | 2.2     | 10.0             | 70      | 2.6     |
| 110     | 2.7              | 105     | 0.9     | 3.3              | 103     | 1.2     | 4.2              | 102     | 1.4     | 5.2              | 100     | 1.8     | 6.5              | 97      | 2.2     | 8.1              | 94      | 2.2     | 10.0             | 90      | 3.2     | 12.2             | 86      | 3.8     |
| 125     | 3.1              | 119     | 1.2     | 3.8              | 117     | 1.6     | 4.8              | 115     | 1.9     | 6.0              | 113     | 2.3     | 7.4              | 110     | 2.8     | 9.2              | 107     | 3.4     | 11.4             | 102     | 4.2     | 13.9             | 96      | 5.0     |
| 140     | 3.5              | 133     | 1.5     | 4.2              | 131     | 2.0     | 5.4              | 129     | 2.3     | 6.7              | 127     | 2.9     | 8.2              | 124     | 3.5     | 10.3             | 119     | 4.3     | 12.7             | 115     | 5.2     | 15.6             | 109     | 6.2     |
| 160     | 4.0              | 152     | 2.0     | 4.8              | 150     | 2.5     | 6.2              | 148     | 3.0     | 7.6              | 145     | 3.7     | 9.4              | 141     | 4.6     | 11.8             | 136     | 5.6     | 14.5             | 131     | 6.8     | 17.8             | 124     | 8.1     |
| 180     | 4.4              | 171     | 2.5     | 5.5              | 169     | 3.1     | 6.9              | 166     | 3.9     | 8.6              | 163     | 4.7     | 10.6             | 159     | 5.8     | 13.2             | 154     | 7.1     | 16.4             | 147     | 8.6     | 20               | 140     | 10.3    |
| 200     | 4.9              | 190     | 3.1     | 6.1              | 188     | 3.7     | 7.7              | 185     | 4.8     | 9.5              | 181     | 5.8     | 11.8             | 176     | 7.1     | 14.7             | 171     | 8.8     | 18.2             | 164     | 10.6    | 22.2             | 156     | 12.7    |
| 225     | 5.5              | 215     | 3.5     | 6.8              | 211     | 4.9     | 8.7              | 208     | 6.0     | 10.7             | 204     | 7.4     | 13.2             | 199     | 7.4     | 16.5             | 192     | 11.1    | 20.5             | 184     | 13.5    | 25.0             | 175     | 16.1    |
| 250     | 6.2              | 238     | 4.7     | 7.6              | 235     | 5.9     | 9.6              | 231     | 7.4     | 11.9             | 226     | 9.1     | 14.7             | 221     | 11.1    | 18.4             | 213     | 13.7    | 22.7             | 205     | 16.6    | 27.8             | 194     | 19.9    |
| 280     | 6.9              | 267     | 5.7     | 8.5              | 263     | 7.4     | 10.8             | 258     | 9.3     | 13.3             | 253     | 11.5    | 16.5             | 247     | 14.0    | 20.6             | 239     | 17.2    | 25.5             | 229     | 20.9    | 31.1             | 218     | 24.9    |
| 315     | 7.7              | 300     | 7.4     | 9.5              | 296     | 9.3     | 12.1             | 291     | 11.8    | 15.0             | 285     | 14.5    | 18.5             | 278     | 17.7    | 23.2             | 269     | 21.8    | 28.6             | 258     | 26.4    | 35.0             | 245     | 31.6    |
| 355     | 8.7              | 338     | 9.5     | 10.8             | 333     | 12.2    | 13.7             | 328     | 15.0    | 16.9             | 321     | 18.4    | 20.9             | 313     | 22.5    | 26.1             | 303     | 27.7    | 32.3             | 290     | 33.6    | 39.4             | 276     | 40.1    |
| 400     | 9.8              | 380     | 12.6    | 12.1             | 376     | 15.0    | 15.4             | 369     | 19.1    | 19.0             | 362     | 23.4    | 23.5             | 353     | 28.5    | 29.4             | 341     | 35.1    | 36.4             | 327     | 42.6    | 44.4             | 311     | 50.9    |
| 450     | 11.0             | 429     | 14.9    | 13.6             | 422     | 19.7    | 17.3             | 415     | 24.1    | 21.4             | 407     | 29.6    | 26.5             | 397     | 36.1    | 33.1             | 384     | 44.4    | 40.9             | 368     | 53.9    | 50               | 350     | 64.4    |
| 500     | 12.0             | 476     | 18.9    | 15.2             | 470     | 23.4    | 19.2             | 462     | 29.8    | 23.8             | 452     | 36.5    | 29.4             | 441     | 44.6    | 36.8             | 426     | 54.9    | 45.5             | 409     | 66.6    | 55.6             | 389     | 79.5    |
| 560     | 14.0             | 534     | 22.9    | 17.0             | 526     | 29.7    | 21.5             | 517     | 37.4    | 26.7             | 507     | 45.8    | 32.9             | 494     | 55.9    | 41.2             | 478     | 68.8    | 50.9             | 458     | 83.5    | 62.8             | 428     | 98.4    |
| 630     | 15.0             | 600     | 29.7    | 19.1             | 592     | 37.4    | 24.2             | 582     | 47.3    | 30.0             | 570     | 58.0    | 37.1             | 556     | 70.8    | 46.3             | 537     | 87.1    | 57.3             | 515     | 105.7   | 70.6             | 481     | 124.6   |
| 710     | 17.0             | 676     | 38.0    | 21.5             | 667     | 47.7    | 27.3             | 655     | 60.1    | 33.8             | 642     | 73.6    | 41.8             | 626     | 89.9    | 52.2             | 606     | 110.6   | 65.1             | 573     | 132.6   | -                | -       | -       |
| 800     | 20.0             | 762     | 47.8    | 24.2             | 752     | 60.0    | 30.8             | 738     | 76.2    | 38.1             | 724     | 93.5    | 47.1             | 706     | 114.1   | 58.8             | 682     | 140.4   | 72.7             | 647     | 166.7   | -                | -       | -       |
| 900     | 22.0             | 854     | 61.2    | 27.6             | 846     | 76.73   | 34.4             | 828     | 94.3    | 42.9             | 810     | 116.3   | 53.5             | 787.5   | 143.1   | 65.2             | 728     | 171.8   | 81.8             | 728     | 211     | -                | -       | -       |
| 1000    | 25               | 953     | 73.9    | 30.3             | 940     | 93.7    | 38.5             | 923     | 119.1   | 47.6             | 905     | 146.1   | 58.8             | 882     | 178.3   | 73.5             | 846     | 215     | 90.9             | 809     | 260.4   | -                | -       | -       |
| 1200    | 29.4             | 1138    | 109.1   | 36.7             | 1126    | 139     | 45.9             | 1104    | 167.6   | 57.2             | 1080    | 206.8   | 71.1             | 1050    | 253.9   | 88.3             | 1015    | 309.7   | 109.1            | 971     | 375.0   | -                | -       | -       |

## SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11

Requires derating as per ISO 4427-3:2007 and PIPA POP006

| Code            | Angle and SDR Rating             | A   | B    | C   | D   |
|-----------------|----------------------------------|-----|------|-----|-----|
| 201.110.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 143 | 110  | 165 | 245 |
| 201.125.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 199 | 125  | 188 | 290 |
| 201.160.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 213 | 160  | 240 | 335 |
| 201.180.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 213 | 180  | 240 | 340 |
| 201.200.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 230 | 200  | 300 | 405 |
| 201.225.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 241 | 225  | 338 | 410 |
| 201.250.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 350 | 250  | 375 | 435 |
| 201.280.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 362 | 280  | 420 | 475 |
| 201.315.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 428 | 315  | 477 | 505 |
| 201.355.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 443 | 355  | 533 | 590 |
| 201.400.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 461 | 400  | 600 | 680 |
| 201.450.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 481 | 450  | 675 | 730 |
| 201.500.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 | 551 | 500  | 750 | 598 |
| 201.560.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 560  |     | 870 |
| 201.630.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 630  |     | 960 |
| 201.710.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 710  |     |     |
| 201.800.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 800  |     |     |
| 201.900.11.SDR  | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 900  |     |     |
| 201.1000.11.SDR | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 1000 |     |     |
| 201.1200.11.SDR | 11° SDR21, SDR17, SDR13.6, SDR11 |     | 1200 |     |     |



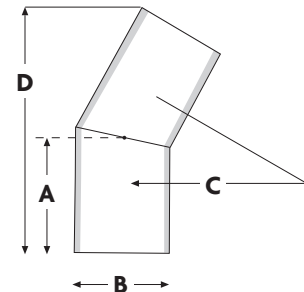
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## SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11

Requires derating as per ISO 4427-3:2007 and PIPA POP006

| Code            | Angle and SDR Rating             | A   | B    | C   | D    |
|-----------------|----------------------------------|-----|------|-----|------|
| 201.110.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 180 | 110  | 165 | 260  |
| 201.125.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 180 | 125  | 188 | 305  |
| 201.160.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 190 | 160  | 240 | 356  |
| 201.180.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 190 | 180  | 240 | 365  |
| 201.200.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 210 | 200  | 300 | 430  |
| 201.225.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 215 | 225  | 338 | 440  |
| 201.250.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 230 | 250  | 375 | 470  |
| 201.280.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 250 | 280  | 420 | 520  |
| 201.315.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 265 | 315  | 477 | 555  |
| 201.355.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 310 | 355  | 533 | 645  |
| 201.400.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 350 | 400  | 600 | 745  |
| 201.450.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 380 | 450  | 675 | 800  |
| 201.500.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 410 | 500  | 750 | 880  |
| 201.560.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 450 | 560  |     | 960  |
| 201.630.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 | 500 | 637  |     | 1070 |
| 201.710.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 |     | 710  |     |      |
| 201.800.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 |     | 800  |     |      |
| 201.900.22.SDR  | 22° SDR21, SDR17, SDR13.6, SDR11 |     | 900  |     |      |
| 201.1000.22.SDR | 22° SDR21, SDR17, SDR13.6, SDR11 |     | 1000 |     |      |
| 201.1200.22.SDR | 22° SDR21, SDR17, SDR13.6, SDR11 |     | 1200 |     |      |



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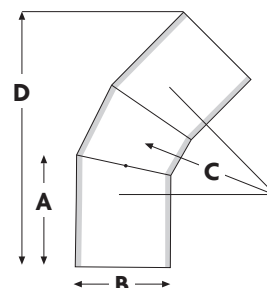
## SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11

Requires derating as per ISO 4427-3:2007 and PIPA POP006



| Code            | Angle and SDR Rating             | A   | B    | C   | D |
|-----------------|----------------------------------|-----|------|-----|---|
| 201.110.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 168 | 110  | 165 |   |
| 201.125.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 227 | 125  | 188 |   |
| 201.160.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 249 | 160  | 240 |   |
| 201.180.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 249 | 180  | 240 |   |
| 201.200.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 274 | 200  | 300 |   |
| 201.225.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 290 | 225  | 338 |   |
| 201.250.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 412 | 250  | 375 |   |
| 201.280.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 474 | 280  | 420 |   |
| 201.315.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 498 | 315  | 477 |   |
| 201.355.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 520 | 355  | 533 |   |
| 201.400.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 548 | 400  | 600 |   |
| 201.450.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 580 | 450  | 675 |   |
| 201.500.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 | 665 | 500  | 750 |   |
| 201.560.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 560  |     |   |
| 201.630.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 630  |     |   |
| 201.710.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 710  |     |   |
| 201.800.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 800  |     |   |
| 201.900.45.SDR  | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 900  |     |   |
| 201.1000.45.SDR | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 1000 |     |   |
| 201.1200.45.SDR | 45° SDR21, SDR17, SDR13.6, SDR11 |     | 1200 |     |   |



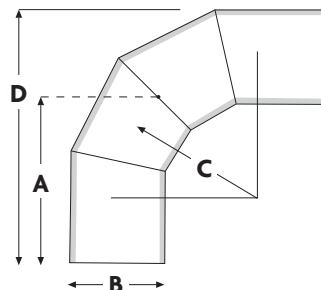
AS/NZS 4129:2009

## SEGMENTED BENDS

Add SDR rating after code - i.e: 17 or 11

Requires derating as per ISO 4427-3:2007 and PIPA POP006

| Code                   | Angle and SDR Rating             | A    | B    | C   | D |
|------------------------|----------------------------------|------|------|-----|---|
| <b>201.110.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 265  | 110  | 165 |   |
| <b>201.125.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 338  | 125  | 188 |   |
| <b>201.160.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 390  | 160  | 240 |   |
| <b>201.180.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 390  | 180  | 240 |   |
| <b>201.200.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 450  | 200  | 300 |   |
| <b>201.225.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 488  | 225  | 338 |   |
| <b>201.250.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 625  | 250  | 375 |   |
| <b>201.280.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 670  | 280  | 420 |   |
| <b>201.315.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 777  | 315  | 477 |   |
| <b>201.355.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 833  | 355  | 533 |   |
| <b>201.400.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 900  | 400  | 600 |   |
| <b>201.450.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 975  | 450  | 675 |   |
| <b>201.500.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 | 1100 | 500  | 750 |   |
| <b>201.560.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 560  |     |   |
| <b>201.630.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 630  |     |   |
| <b>201.710.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 710  |     |   |
| <b>201.800.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 800  |     |   |
| <b>201.900.90.SDR</b>  | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 900  |     |   |
| <b>201.1000.90.SDR</b> | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 1000 |     |   |
| <b>201.1200.90.SDR</b> | 90° SDR21, SDR17, SDR13.6, SDR11 |      | 1200 |     |   |



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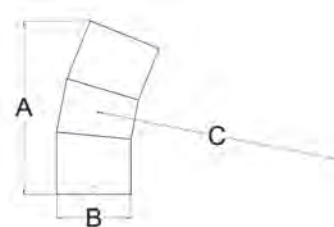
## SEGMENTED BENDS

Add PN rating after code - i.e: 8, 10, 12.5 or PN16

Manufactured and derated in accordance with ISO 4427-3:2007

| Code           | Angle and PN Rating         | A   | B    | C   | D   |
|----------------|-----------------------------|-----|------|-----|-----|
| 201.110.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 143 | 110  | 165 | 260 |
| 201.125.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 199 | 125  | 188 | 305 |
| 201.160.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 213 | 160  | 240 | 356 |
| 201.180.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 213 | 180  | 240 | 365 |
| 201.200.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 230 | 200  | 300 | 430 |
| 201.225.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 241 | 225  | 338 | 440 |
| 201.250.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 350 | 250  | 375 | 470 |
| 201.280.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 362 | 280  | 420 | 520 |
| 201.315.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 428 | 315  | 477 | 555 |
| 201.355.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 443 | 355  | 533 | 645 |
| 201.400.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 461 | 400  | 600 | 745 |
| 201.450.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 481 | 450  | 675 | 800 |
| 201.500.22.PN  | 22° PN8, PN10, PN12.5, PN16 | 551 | 500  | 750 | 880 |
| 201.560.22.PN  | 22° PN8, PN10, PN12.5, PN16 |     | 560  |     |     |
| 201.630.22.PN  | 22° PN8, PN10, PN12.5, PN16 |     | 630  |     |     |
| 201.710.22.PN  | 22° PN8, PN10, PN12.5, PN16 |     | 710  |     |     |
| 201.800.22.PN  | 22° PN8, PN10, PN12.5, PN16 |     | 800  |     |     |
| 201.900.22.PN  | 22° PN8, PN10, PN12.5, PN16 |     | 900  |     |     |
| 201.1000.22.PN | 22° PN8, PN10, PN12.5, PN16 |     | 1000 |     |     |
| 201.1200.22.PN | 22° PN8, PN10, PN12.5, PN16 |     | 1200 |     |     |

AS/NZS 4129:2009 and ISO 4427-3:2007





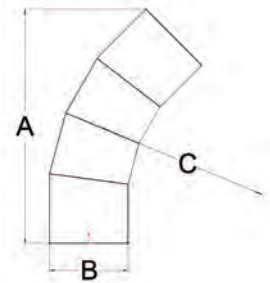
## SEGMENTED BENDS

Add PN rating after code - i.e: 8, 10, 12.5 or PN16

Manufactured and derated in accordance with ISO 4427-3:2007

| Code           | Angle and PN Rating         | A   | B   | C   | D |
|----------------|-----------------------------|-----|-----|-----|---|
| 201.110.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 168 | 110 | 165 |   |
| 201.125.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 227 | 125 | 188 |   |
| 201.160.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 249 | 160 | 240 |   |
| 201.180.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 249 | 180 | 240 |   |
| 201.200.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 274 | 200 | 300 |   |
| 201.225.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 290 | 225 | 338 |   |
| 201.250.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 412 | 250 | 375 |   |
| 201.280.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 474 | 280 | 420 |   |
| 201.315.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 498 | 315 | 477 |   |
| 201.355.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 520 | 355 | 533 |   |
| 201.400.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 548 | 400 | 600 |   |
| 201.450.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 580 | 450 | 675 |   |
| 201.500.45.PN  | 45° PN8, PN10, PN12.5, PN16 | 665 | 500 | 750 |   |
| 201.560.45.PN  | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |
| 201.630.45.PN  | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |
| 201.710.45.PN  | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |
| 201.800.45.PN  | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |
| 201.900.45.PN  | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |
| 201.1000.45.PN | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |
| 201.1200.45.PN | 45° PN8, PN10, PN12.5, PN16 |     |     |     |   |

AS/NZS 4129:2009 and ISO 4427-3:2007

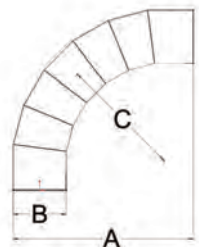


## SEGMENTED BENDS

Add PN rating after code - i.e: 8, 10, 12.5 or PN16

Manufactured and derated in accordance with ISO 4427-3:2007

| Code           | Angle and PN Rating         | A    | B   | C   | D |
|----------------|-----------------------------|------|-----|-----|---|
| 201.110.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 265  | 110 | 165 |   |
| 201.125.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 338  | 125 | 188 |   |
| 201.160.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 390  | 160 | 240 |   |
| 201.180.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 390  | 180 | 240 |   |
| 201.200.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 450  | 200 | 300 |   |
| 201.225.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 488  | 225 | 338 |   |
| 201.250.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 625  | 250 | 375 |   |
| 201.280.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 670  | 280 | 420 |   |
| 201.315.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 777  | 315 | 477 |   |
| 201.355.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 833  | 355 | 533 |   |
| 201.400.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 900  | 400 | 600 |   |
| 201.450.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 975  | 450 | 675 |   |
| 201.500.90.PN  | 90° PN8, PN10, PN12.5, PN16 | 1100 | 500 | 750 |   |
| 201.560.90.PN  | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |
| 201.630.90.PN  | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |
| 201.710.90.PN  | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |
| 201.800.90.PN  | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |
| 201.900.90.PN  | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |
| 201.1000.90.PN | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |
| 201.1200.90.PN | 90° PN8, PN10, PN12.5, PN16 |      |     |     |   |



AS/NZS 4129:2009 and ISO 4427-3:2007

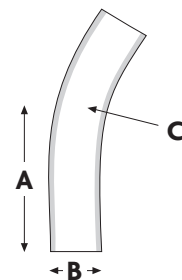
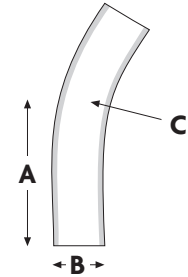
## FORMED BENDS

Angle  $\pm 5^\circ$  Add SDR rating after code - i.e: 17 or 11

| Code           | Angle and SDR Rating | A   | B   | C    | D |
|----------------|----------------------|-----|-----|------|---|
| 203.110.11.SDR | 11° SDR17 or SDR11   | 198 | 110 | 330  |   |
| 203.125.11.SDR | 11° SDR17 or SDR11   | 225 | 125 | 375  |   |
| 203.160.11.SDR | 11° SDR17 or SDR11   | 289 | 160 | 480  |   |
| 203.180.11.SDR | 11° SDR17 or SDR11   | 358 | 180 | 590  |   |
| 203.200.11.SDR | 11° SDR17 or SDR11   | 361 | 200 | 600  |   |
| 203.225.11.SDR | 11° SDR17 or SDR11   | 406 | 225 | 675  |   |
| 203.250.11.SDR | 11° SDR17 or SDR11   | 451 | 250 | 750  |   |
| 203.280.11.SDR | 11° SDR17 or SDR11   | 505 | 280 | 840  |   |
| 203.315.11.SDR | 11° SDR17 or SDR11   | 553 | 315 | 945  |   |
| 203.355.11.SDR | 11° SDR17 or SDR11   | 710 | 355 | 900  |   |
| 203.400.11.SDR | 11° SDR17 or SDR11   | 830 | 400 | 1000 |   |
| 203.450.11.SDR | 11° SDR17 or SDR11   | 840 | 450 | 1100 |   |
| 203.500.11.SDR | 11° SDR17 or SDR11   |     |     |      |   |
| 203.560.11.SDR | 11° SDR17 or SDR11   |     |     |      |   |
| 203.630.11.SDR | 11° SDR17 or SDR11   |     |     |      |   |

|                |                    |     |     |      |  |
|----------------|--------------------|-----|-----|------|--|
| 203.110.22.SDR | 22° SDR17 or SDR11 | 198 | 110 | 330  |  |
| 203.125.22.SDR | 22° SDR17 or SDR11 | 225 | 125 | 375  |  |
| 203.160.22.SDR | 22° SDR17 or SDR11 | 289 | 160 | 480  |  |
| 203.180.22.SDR | 22° SDR17 or SDR11 | 358 | 180 | 590  |  |
| 203.200.22.SDR | 22° SDR17 or SDR11 | 361 | 200 | 600  |  |
| 203.225.22.SDR | 22° SDR17 or SDR11 | 406 | 225 | 675  |  |
| 203.250.22.SDR | 22° SDR17 or SDR11 | 451 | 250 | 750  |  |
| 203.280.22.SDR | 22° SDR17 or SDR11 | 505 | 280 | 840  |  |
| 203.315.22.SDR | 22° SDR17 or SDR11 | 553 | 315 | 945  |  |
| 203.355.22.SDR | 22° SDR17 or SDR11 | 710 | 355 | 900  |  |
| 203.400.22.SDR | 22° SDR17 or SDR11 | 830 | 400 | 1000 |  |
| 203.450.22.SDR | 22° SDR17 or SDR11 | 840 | 450 | 1100 |  |
| 203.500.22.SDR | 22° SDR17 or SDR11 |     |     |      |  |
| 203.560.22.SDR | 22° SDR17 or SDR11 |     |     |      |  |
| 203.630.22.SDR | 22° SDR17 or SDR11 |     |     |      |  |

AS/NZS 4129:2009



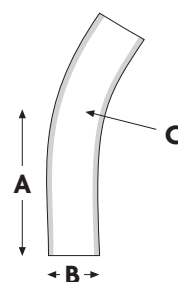
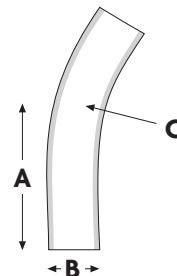
## FORMED BENDS

Angle  $\pm 5^\circ$  Add SDR rating after code - i.e: 17 or 11

| Code           | Angle and SDR Rating | A    | B   | C    | D |
|----------------|----------------------|------|-----|------|---|
| 203.110.45.SDR | 45° SDR17 or SDR11   | 247  | 110 | 380  |   |
| 203.125.45.SDR | 45° SDR17 or SDR11   | 280  | 125 | 380  |   |
| 203.160.45.SDR | 45° SDR17 or SDR11   | 359  | 160 | 600  |   |
| 203.180.45.SDR | 45° SDR17 or SDR11   | 444  | 180 | 590  |   |
| 203.200.45.SDR | 45° SDR17 or SDR11   | 449  | 200 | 600  |   |
| 203.225.45.SDR | 45° SDR17 or SDR11   | 505  | 225 | 675  |   |
| 203.250.45.SDR | 45° SDR17 or SDR11   | 561  | 250 | 750  |   |
| 203.280.45.SDR | 45° SDR17 or SDR11   | 628  | 280 | 840  |   |
| 203.315.45.SDR | 45° SDR17 or SDR11   | 691  | 315 | 945  |   |
| 203.355.45.SDR | 45° SDR17 or SDR11   | 820  | 355 | 900  |   |
| 203.400.45.SDR | 45° SDR17 or SDR11   | 990  | 400 | 1000 |   |
| 203.450.45.SDR | 45° SDR17 or SDR11   | 1005 | 450 | 1100 |   |
| 203.500.45.SDR | 45° SDR17 or SDR11   |      |     |      |   |
| 203.560.45.SDR | 45° SDR17 or SDR11   |      |     |      |   |
| 203.630.45.SDR | 45° SDR17 or SDR11   |      |     |      |   |

|                |                    |      |     |      |  |
|----------------|--------------------|------|-----|------|--|
| 203.110.90.SDR | 90° SDR17 or SDR11 | 440  | 110 | 330  |  |
| 203.125.90.SDR | 90° SDR17 or SDR11 | 500  | 125 | 375  |  |
| 203.160.90.SDR | 90° SDR17 or SDR11 | 640  | 160 | 480  |  |
| 203.180.90.SDR | 90° SDR17 or SDR11 | 790  | 180 | 590  |  |
| 203.200.90.SDR | 90° SDR17 or SDR11 | 800  | 200 | 600  |  |
| 203.225.90.SDR | 90° SDR17 or SDR11 | 900  | 225 | 675  |  |
| 203.250.90.SDR | 90° SDR17 or SDR11 | 1000 | 250 | 750  |  |
| 203.280.90.SDR | 90° SDR17 or SDR11 | 1120 | 280 | 840  |  |
| 203.315.90.SDR | 90° SDR17 or SDR11 | 1245 | 315 | 945  |  |
| 203.355.90.SDR | 90° SDR17 or SDR11 | 1280 | 355 | 900  |  |
| 203.400.90.SDR | 90° SDR17 or SDR11 | 1620 | 400 | 1000 |  |
| 203.450.90.SDR | 90° SDR17 or SDR11 | 1650 | 450 | 1100 |  |
| 203.500.90.SDR | 90° SDR17 or SDR11 |      |     |      |  |
| 203.560.90.SDR | 90° SDR17 or SDR11 |      |     |      |  |
| 203.630.90.SDR | 90° SDR17 or SDR11 |      |     |      |  |

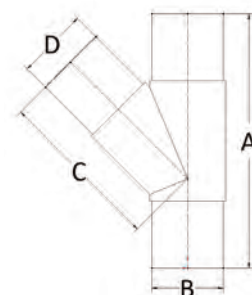
AS/NZS 4129:2009



## PLAIN WYE JUNCTION – FABRICATED (BUTT WELDED)

Requires derating as per ISO4427-3:2007

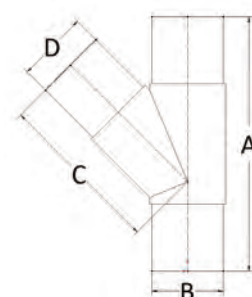
| Code              | Description     | A    | B   | C    | D |
|-------------------|-----------------|------|-----|------|---|
| 204.SDR17.110.45° | Made from SDR17 | 700  | 110 | 425  |   |
| 204.SDR17.125.45° | Made from SDR17 | 745  | 125 | 455  |   |
| 204.SDR17.160.45° | Made from SDR17 | 840  | 160 | 510  |   |
| 204.SDR17.180.45° | Made from SDR17 | 840  | 180 | 510  |   |
| 204.SDR17.200.45° | Made from SDR17 | 960  | 200 | 590  |   |
| 204.SDR17.225.45° | Made from SDR17 | 1080 | 225 | 660  |   |
| 204.SDR17.250.45° | Made from SDR17 | 1155 | 250 | 710  |   |
| 204.SDR17.280.45° | Made from SDR17 | 1245 | 280 | 750  |   |
| 204.SDR17.315.45° | Made from SDR17 | 1340 | 315 | 815  |   |
| 204.SDR17.355.45° | Made from SDR17 | 1455 | 355 | 880  |   |
| 204.SDR17.400.45° | Made from SDR17 | 1550 | 400 | 950  |   |
| 204.SDR17.450.45° | Made from SDR17 | 1850 | 450 | 1200 |   |



## PLAIN WYE JUNCTION – MOULDED

Add SDR rating after code - i.e: 17 or 11

| Code             |       | Description | A   | B   | C   | D   |
|------------------|-------|-------------|-----|-----|-----|-----|
| 204.M.SDR.90.45  | SDR17 | PE100 PN10  | 355 | 90  | 85  | 240 |
|                  | SDR11 | PE100 PN16  | 355 |     |     |     |
| 204.M.SDR.110.45 | SDR17 | PE100 PN10  | 397 | 110 | 90  | 280 |
|                  | SDR11 | PE100 PN16  | 397 |     |     |     |
| 204.M.SDR.125.45 | SDR17 | PE100 PN10  | 448 | 125 | 90  | 310 |
|                  | SDR11 | PE100 PN16  | 448 |     |     |     |
| 204.M.SDR.160.45 | SDR17 | PE100 PN10  | 530 | 160 | 110 | 365 |
|                  | SDR11 | PE100 PN16  | 530 |     |     |     |



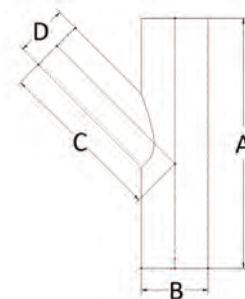
Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

204

POLYETHYLENE

## REDUCING WYE JUNCTION – FABRICATED

These fittings may be extrusion welded  
Requires derating as per ISO4427-3:2007



| Code                  | Description     | A   | B   | C   | D   |
|-----------------------|-----------------|-----|-----|-----|-----|
| 204.SDR17.160.110.45° | Made from SDR17 | 580 | 160 | 300 | 110 |
| 204.SDR17.180.110.45° | Made from SDR17 | 580 | 180 | 300 | 110 |
| 204.SDR17.200.110.45° | Made from SDR17 | 580 | 200 | 300 | 110 |
| 204.SDR17.225.110.45° | Made from SDR17 | 600 | 225 | 350 | 110 |
| 204.SDR17.250.110.45° | Made from SDR17 | 600 | 250 | 370 | 110 |
| 204.SDR17.280.110.45° | Made from SDR17 | 600 | 280 | 370 | 110 |
| 204.SDR17.315.110.45° | Made from SDR17 | 600 | 315 | 400 | 110 |
| 204.SDR17.355.110.45° | Made from SDR17 | 650 | 355 | 420 | 110 |
| 204.SDR17.200.160.45° | Made from SDR17 |     | 200 |     | 160 |
| 204.SDR17.225.160.45° | Made from SDR17 |     | 225 |     | 160 |
| 204.SDR17.250.160.45° | Made from SDR17 |     | 250 |     | 160 |
| 204.SDR17.315.160.45° | Made from SDR17 |     | 315 |     | 160 |
| 204.SDR17.355.160.45° | Made from SDR17 |     | 355 |     | 160 |

AS/NZS 4129:2009

## PLAIN TEE JUNCTION – MOULDED – LONG SPIGOT

Add SDR rating after code - i.e: 17 or 11

| Code                   |       | Description | A    | B   | C   | D   |
|------------------------|-------|-------------|------|-----|-----|-----|
| <b>204.M.SDR.125.L</b> | SDR17 | PE100 PN10  | 353  | 125 | 175 | 125 |
|                        | SDR11 | PE100 PN16  | 353  | 125 | 175 | 125 |
| <b>204.M.SDR.160.L</b> | SDR17 | PE100 PN10  | 401  | 160 | 204 | 160 |
|                        | SDR11 | PE100 PN16  | 401  | 160 | 204 | 160 |
| <b>204.M.SDR.180.L</b> | SDR17 | PE100 PN10  | 514  | 180 | 257 | 180 |
|                        | SDR11 | PE100 PN16  | 514  | 180 | 257 | 180 |
| <b>204.M.SDR.200.L</b> | SDR17 | PE100 PN10  | 492  | 200 | 246 | 200 |
|                        | SDR11 | PE100 PN16  | 492  | 200 | 246 | 200 |
| <b>204.M.SDR.225.L</b> | SDR17 | PE100 PN10  | 540  | 225 | 270 | 225 |
|                        | SDR11 | PE100 PN16  | 540  | 225 | 270 | 225 |
| <b>204.M.SDR.250.L</b> | SDR17 | PE100 PN10  | 624  | 250 | 314 | 250 |
|                        | SDR11 | PE100 PN16  | 624  | 250 | 314 | 250 |
| <b>204.M.SDR.280.L</b> | SDR17 | PE100 PN10  | 694  | 280 | 347 | 280 |
|                        | SDR11 | PE100 PN16  | 694  | 280 | 347 | 280 |
| <b>204.M.SDR.315.L</b> | SDR17 | PE100 PN10  | 750  | 315 | 445 | 315 |
|                        | SDR11 | PE100 PN16  | 750  | 315 | 445 | 315 |
| <b>204.M.SDR.355.L</b> | SDR17 | PE100 PN10  | 1684 | 355 | 842 | 355 |
|                        | SDR11 | PE100 PN16  | 1684 | 355 | 842 | 355 |
| <b>204.M.SDR.400.L</b> | SDR17 | PE100 PN10  | 1694 | 400 | 855 | 400 |
|                        | SDR11 | PE100 PN16  | 1694 | 400 | 855 | 400 |
| <b>204.M.SDR.450.L</b> | SDR17 | PE100 PN10  | 1900 | 450 | 950 | 450 |
|                        | SDR11 | PE100 PN16  | 1900 | 450 | 950 | 450 |
| <b>204.M.SDR.500.L</b> | SDR17 | PE100 PN10  | 1850 | 500 | 950 | 500 |
|                        | SDR11 | PE100 PN16  | 1850 | 500 | 950 | 500 |



AS/NZS 4129:2009

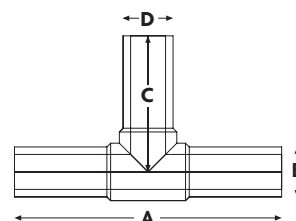
Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

## REDUCING TEE JUNCTION – MOULDED – LONG SPIGOT

| Code                  | Description | A   | B   | C   | D   |
|-----------------------|-------------|-----|-----|-----|-----|
| 204.M.SDR11.125.90.L  | PE100 PN16  | 358 | 125 | 170 | 90  |
| 204.M.SDR11.180.90.L  | PE100 PN16  | 450 | 180 | 215 | 90  |
| 204.M.SDR11.180.125.L | PE100 PN16  | 448 | 180 |     | 125 |
| 204.M.SDR11.250.110.L | PE100 PN16  | 596 | 250 | 250 | 110 |
| 204.M.SDR11.315.110.L | PE100 PN16  | 703 | 315 |     | 110 |
| 204.M.SDR11.315.180.L | PE100 PN16  | 703 | 315 |     | 180 |

AS/NZS 4129:2009

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

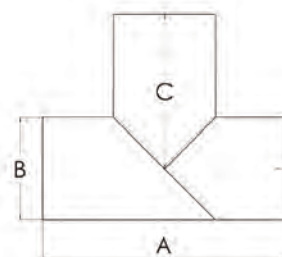


## PLAIN TEE JUNCTION – FABRICATED

**Fabricated for non pressure applications**

**Requires derating as per ISO4427-3:2007**

| Code           | Description     | A    | B    | C    | D |
|----------------|-----------------|------|------|------|---|
| 204.SDR17.315  | Made from SDR17 | 760  | 315  | 700  |   |
| 204.SDR17.355  | Made from SDR17 | 800  | 355  | 700  |   |
| 204.SDR17.400  | Made from SDR17 | 1000 | 400  | 1100 |   |
| 204.SDR17.450  | Made from SDR17 | 1100 | 450  | 1100 |   |
| 204.SDR17.500  | Made from SDR17 | 1200 | 500  | 1200 |   |
| 204.SDR17.560  | Made from SDR17 | 1200 | 560  | 1200 |   |
| 204.SDR17.630  | Made from SDR17 | 1200 | 630  | 1200 |   |
| 204.SDR17.710  | Made from SDR17 | 1500 | 710  | 1700 |   |
| 204.SDR17.800  | Made from SDR17 | 1600 | 800  | 1700 |   |
| 204.SDR17.900  | Made from SDR17 | 1700 | 900  | 1700 |   |
| 204.SDR17.1000 | Made from SDR17 | 1800 | 1000 | 1700 |   |



AS/NZS 4129:2009 and ISO4427-3:2007



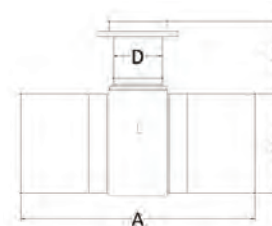
## PLAIN HYDRANT TEE – PN16

| Code           | Description                     | A   | B   | C   | D  |
|----------------|---------------------------------|-----|-----|-----|----|
| <b>205.125</b> | 74mm NB – 217 <sup>L</sup> /Sec | 358 | 125 | 200 | 90 |
| <b>205.180</b> | 74mm NB – 217 <sup>L</sup> /Sec | 450 | 180 | 230 | 90 |
| <b>205.250</b> | 74mm NB – 217 <sup>L</sup> /Sec | 596 | 250 |     | 90 |
| <b>205.280</b> | 74mm NB – 217 <sup>L</sup> /Sec |     | 280 |     | 90 |
| <b>205.315</b> | 74mm NB – 217 <sup>L</sup> /Sec |     | 315 |     | 90 |



## HIFLO HYDRANT TEE – PN16

| Code                | Description                      | A   | B   | C   | D   |
|---------------------|----------------------------------|-----|-----|-----|-----|
| <b>205.125HiFlo</b> | 102mm NB – 430 <sup>L</sup> /Sec | 356 | 125 | 210 | 125 |
| <b>205.180HiFlo</b> | 102mm NB – 430 <sup>L</sup> /Sec | 448 | 180 | 185 | 125 |
| <b>205.250HiFlo</b> | 90mm NB – 430 <sup>L</sup> /Sec  | 596 | 250 | 260 | 110 |
| <b>205.315HiFlo</b> | 90mm NB – 430 <sup>L</sup> /Sec  | 703 | 315 |     | 110 |
| <b>205.355HiFlo</b> | 90mm NB – 430 <sup>L</sup> /Sec  | 674 | 355 |     | 110 |



AS/NZS 4129:2009

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

## REDUCERS – CONCENTRIC

Add SDR rating after code

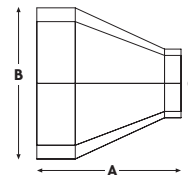
17 or 11 prices for both are the same

| Code              | Description  | A   | B   | C   | D |
|-------------------|--------------|-----|-----|-----|---|
| 223.225.125.SDR11 | Short Spigot | 100 | 225 | 125 |   |
| 223.250.125.SDR11 | Short Spigot | 100 | 250 | 160 |   |
| 223.200.160.SDR11 | Short Spigot | 100 | 200 | 160 |   |
| 223.225.160.SDR11 | Short Spigot | 100 | 225 | 180 |   |
| 223.200.180.SDR11 | Short Spigot | 100 | 200 | 180 |   |
| 223.225.180.SDR11 | Short Spigot | 100 | 225 | 180 |   |
| 223.250.180.SDR11 | Short Spigot | 100 | 250 | 180 |   |
| 223.280.180.SDR11 | Short Spigot |     | 280 | 180 |   |
| 223.225.200.SDR11 | Short Spigot | 100 | 225 | 200 |   |
| 223.250.200.SDR11 | Short Spigot | 100 | 250 | 200 |   |
| 223.280.200.SDR11 | Short Spigot | 100 | 280 | 200 |   |
| 223.250.225.SDR11 | Short Spigot | 100 | 250 | 225 |   |
| 223.280.225.SDR11 | Short Spigot | 100 | 280 | 225 |   |
| 223.315.225.SDR11 | Short Spigot | 100 | 315 | 225 |   |
| 223.280.250.SDR11 | Short Spigot | 100 | 280 | 250 |   |
| 223.315.250.SDR11 | Short Spigot | 100 | 315 | 250 |   |
| 223.355.250.SDR11 | Short Spigot | 100 | 355 | 250 |   |
| 223.315.280.SDR11 | Short Spigot | 100 | 315 | 250 |   |
| 223.355.280.SDR11 | Short Spigot | 100 | 355 | 280 |   |
| 223.400.280.SDR11 | Short Spigot | 100 | 400 | 280 |   |
| 223.355.315.SDR11 | Short Spigot | 100 | 355 | 315 |   |
| 223.400.315.SDR11 | Short Spigot | 100 | 400 | 315 |   |
| 223.450.315.SDR11 | Short Spigot | 100 | 450 | 315 |   |

Other sizes and SDR's are available on request

AS/NZS 4129:2009

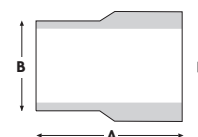
Due to multiple suppliers of material, all dimensions, masses and volumes are approximate only



## ADAPTORS – RRJ

| Code        | Description                       | A   | B   | C   | D   |
|-------------|-----------------------------------|-----|-----|-----|-----|
| 224.110.100 | Made to suit SDR17 Angerlock Ring | 250 | 110 | 80  | 155 |
| 224.125.100 | Made to suit SDR17 Angerlock Ring | 190 | 125 | 95  | 140 |
| 224.160.150 | Made to suit SDR17 Angerlock Ring | 280 | 160 | 130 | 200 |
| 224.180.150 | Made to suit SDR17 Angerlock Ring | 280 | 180 | 130 | 200 |
| 224.200.175 | Made to suit SDR17 Angerlock Ring |     |     |     |     |
| 224.250.225 | Made to suit SDR17 Angerlock Ring |     |     |     |     |
| 224.315.300 | Made to suit SDR17 Angerlock Ring |     |     |     |     |

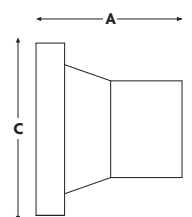
Other sizes are available on request


**224**

## STUB FLANGES – BUTT FUSION

Add SDR rating after pipe size - i.e: 226.250.SDR17

| Code         | Description  | A   | B    | C    | D |
|--------------|--------------|-----|------|------|---|
| 226.250.SDR  | Short Spigot | 100 | 250  | 320  |   |
| 226.280.SDR  | Short Spigot | 100 | 280  | 320  |   |
| 226.315.SDR  | Short Spigot | 100 | 315  | 370  |   |
| 226.355.SDR  | Short Spigot | 110 | 355  | 430  |   |
| 226.400.SDR  | Short Spigot | 110 | 400  | 482  |   |
| 226.450.SDR  | Short Spigot | 110 | 450  | 585  |   |
| 226.500.SDR  | Short Spigot | 125 | 500  | 585  |   |
| 226.560.SDR  | Short Spigot | 125 | 560  | 685  |   |
| 226.630.SDR  | Short Spigot | 130 | 630  | 685  |   |
| 226.710.SDR  | Short Spigot | 130 | 710  | 800  |   |
| 226.800.SDR  | Short Spigot | 130 | 800  | 940  |   |
| 226.900.SDR  | Short Spigot | 130 | 900  | 940  |   |
| 226.1000.SDR | Short Spigot | 130 | 1000 | 1125 |   |
| 226.1200.SDR | Short Spigot | 140 | 1200 | 1330 |   |


**226**

AS/NZS 4129:2009

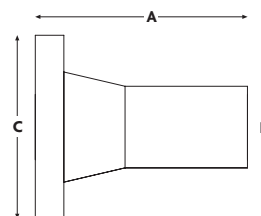
Due to multiple suppliers of material, all dimensions, masses and volumes are approximate only

POLYETHYLENE

## STUB FLANGES – ELECTROFUSION

Add SDR rating after pipe size - i.e: 226.225SDR17.E

| Code           | Description | A   | B    | C    | D |
|----------------|-------------|-----|------|------|---|
| 226.90.SDR.E   | Long Spigot | 121 | 90   | 138  |   |
| 226.110.SDR.E  | Long Spigot | 135 | 110  | 158  |   |
| 226.125.SDR.E  | Long Spigot | 147 | 125  | 158  |   |
| 226.160.SDR.E  | Long Spigot | 160 | 160  | 212  |   |
| 226.180.SDR.E  | Long Spigot | 169 | 180  | 212  |   |
| 226.200.SDR.E  | Long Spigot | 192 | 200  | 268  |   |
| 226.225.SDR.E  | Long Spigot | 183 | 225  | 268  |   |
| 226.250.SDR.E  | Long Spigot | 205 | 250  | 320  |   |
| 226.280.SDR.E  | Long Spigot | 206 | 280  | 320  |   |
| 226.315.SDR.E  | Long Spigot | 226 | 315  | 370  |   |
| 226.355.SDR.E  | Long Spigot | 245 | 355  | 430  |   |
| 226.400.SDR.E  | Long Spigot | 350 | 400  | 482  |   |
| 226.450.SDR.E  | Long Spigot | 370 | 450  | 585  |   |
| 226.500.SDR.E  | Long Spigot | 420 | 500  | 585  |   |
| 226.560.SDR.E  | Long Spigot | 450 | 560  | 685  |   |
| 226.630.SDR.E  | Long Spigot | 520 | 630  | 685  |   |
| 226.710.SDR.E  | Long Spigot | 620 | 710  | 800  |   |
| 226.800.SDR.E  | Long Spigot | 620 | 800  | 940  |   |
| 226.900.SDR.E  | Long Spigot | 720 | 900  | 940  |   |
| 226.1000.SDR.E | Long Spigot | 720 | 1000 | 1125 |   |



AS/NZS 4129:2009

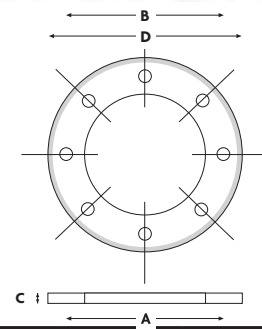
Due to multiple suppliers of material, all dimensions, masses and volumes are approximate only

## BACKING RINGS

We have adopted the AusPoly recommendations for “Metal backing flanges for use with Polyethylene pipe flange adapters” (POP 007) 2006. With the exception of 250mm, 280mm and 450mm all backing rings are supplied drilled to AS 2129 Table E. Flange thicknesses, will be as a minimum in accordance with AS4087 PN16

Add N after the code for Nylon Coated - i.e: 227N.315

Add S after the code for Stainless Steel 316 - i.e: 227S.250



| Code                | Description                           | Nom. Flange Size | PCD  | Flange ID   | Flange OD   | Thickness (min) | Bolt Holes |
|---------------------|---------------------------------------|------------------|------|-------------|-------------|-----------------|------------|
| <b>227.63</b>       | 63mm Backing Ring – AS 4087 PN16      | 50               | 114  | <b>78</b>   | <b>150</b>  | 11              | 4 x 18     |
| <b>227.75</b>       | 75mm Backing Ring – AS4087 PN16       | 65               | 127  | <b>92</b>   | <b>165</b>  | 11              | 4 x 18     |
| <b>227.90</b>       | 90mm Backing Ring – AS4087 PN16       | 80               | 146  | <b>108</b>  | <b>185</b>  | 11              | 4 x 18     |
| <b>227.HYD</b>      | Hydrant Backing Ring                  |                  | 165  | <b>108</b>  | <b>205</b>  | 13              | 4 x 18     |
| <b>227.110.E</b>    | 110mm Backing Ring – AS4087 PN16      | 100              | 178  | <b>128</b>  | <b>215</b>  | 13              | 8 x 18     |
| <b>227.125.E</b>    | 125mm Backing Ring – AS4087 PN16      | 100              | 178  | <b>135</b>  | <b>215</b>  | 13              | 8 x 18     |
| <b>227.140.E</b>    | 140mm Backing Ring – AS4087 PN16      | 125              | 210  | <b>158</b>  | <b>255</b>  | 14              | 8 x 18     |
| <b>227.160.E</b>    | 160mm Backing Ring – AS4087 PN16      | 150              | 235  | <b>178</b>  | <b>280</b>  | 17              | 8 x 22     |
| <b>227.180.E</b>    | 180mm Backing Ring – AS4087 PN16      | 150              | 235  | <b>188</b>  | <b>280</b>  | 17              | 8 x 22     |
| <b>227.200.E</b>    | 200mm Backing Ring – AS4087 PN16      | 200              | 292  | <b>235</b>  | <b>335</b>  | 19              | 8 x 22     |
| <b>227.225.E</b>    | 225mm Backing Ring – AS4087 PN16      | 200              | 292  | <b>238</b>  | <b>335</b>  | 19              | 8 x 22     |
| <b>227.225 (9")</b> | 225mm (9") Backing Ring – AS4087 PN16 | 9"               | 324  | <b>238</b>  | <b>370</b>  | 19              | 8 x 22     |
| <b>227.250</b>      | 250mm Backing Ring – AS4087 PN16      | 250              | 356  | <b>288</b>  | <b>405</b>  | 22              | 8 x 22     |
| <b>227.250E</b>     | 250mm Backing Ring – AS2129 Table E   | 250              | 356  | <b>288</b>  | <b>405</b>  | 22              | 12 x 22    |
| <b>227.280</b>      | 280mm Backing Ring – AS4087 PN16      | 250              | 356  | <b>294</b>  | <b>405</b>  | 22              | 8 x 22     |
| <b>227.280E</b>     | 280mm Backing Ring – AS2129 Table E   | 250              | 356  | <b>294</b>  | <b>405</b>  | 22              | 12 x 22    |
| <b>227.315.E</b>    | 315mm Backing Ring – AS4087 PN16      | 300              | 406  | <b>338</b>  | <b>455</b>  | 25              | 12 x 26    |
| <b>227.355.E</b>    | 355mm Backing Ring – AS4087 PN16      | 350              | 470  | <b>376</b>  | <b>525</b>  | 29              | 12 x 26    |
| <b>227.375.E</b>    | 375mm Backing Ring – AS4087 PN16      | 15"              | 495  | <b>430</b>  | <b>550</b>  | 32              | 12 x 26    |
| <b>227.400.E</b>    | 400mm Backing Ring – AS4087 PN16      | 400              | 521  | <b>430</b>  | <b>580</b>  | 32              | 12 x 26    |
| <b>227.450</b>      | 450mm Backing Ring – AS4087 PN16      | 450              | 584  | <b>470</b>  | <b>640</b>  | 35              | 12 x 26    |
| <b>227.450E</b>     | 450mm Backing Ring – AS2129 Table E   | 450              | 584  | <b>470</b>  | <b>640</b>  | 35              | 16 x 26    |
| <b>227.500.E</b>    | 500mm Backing Ring – AS4087 PN16      | 500              | 641  | <b>533</b>  | <b>705</b>  | 38              | 16 x 26    |
| <b>227.560.E</b>    | 560mm Backing Ring – AS4087 PN16      | 550              | 699  | <b>618</b>  | <b>760</b>  | 44              | 16 x 30    |
| <b>227.630.E</b>    | 630mm Backing Ring – AS4087 PN16      | 600              | 756  | <b>645</b>  | <b>825</b>  | 48              | 16 x 33    |
| <b>227.710</b>      | 710mm Backing Ring – AS4087 PN16      | 700              | 845  | <b>740</b>  | <b>910</b>  | 51              | 20 x 33    |
| <b>227.800</b>      | 800mm Backing Ring – AS4087 PN16      | 800              | 984  | <b>843</b>  | <b>1060</b> | 54              | 20 x 36    |
| <b>227.900</b>      | 900mm Backing Ring – AS4087 PN16      | 900              | 1092 | <b>947</b>  | <b>1175</b> | 64              | 24 x 36    |
| <b>227.1000</b>     | 1000mm Backing Ring – AS4087 PN16     | 1000             | 1255 | <b>1050</b> | <b>1255</b> | 67              | 24 x 39    |

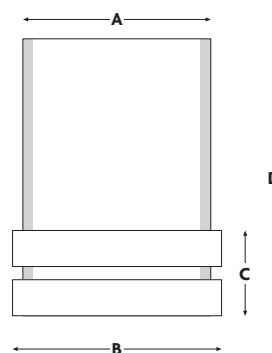
AS2129 Table E, AS4087 PN16

Other flange standards available - EN1092 PN16 (Replaces BS4504 PN16), ANSI 150, AS4331.1 PN16 (ISO 7005-1)

## VICTAULIC SHOULDERS

Add SDR rating after code - i.e: SDR17 or SDR11

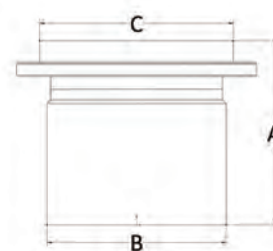
| Code           | Description          | A   | B   | C  | D   |
|----------------|----------------------|-----|-----|----|-----|
| 228.110.SDR    | 110mm OD x 100 (4")  | 110 | 122 | 50 | 80  |
| 228.160.SDR    | 160mm OD x 150 (6")  | 160 | 176 | 50 | 80  |
| 228.180.SDR    | 180mm OD x 150 (6")  | 180 | 176 | 50 | 80  |
| 228.200.SDR    | 200mm OD x 200 (8")  | 200 | 234 | 60 | 80  |
| 228.225.SDR    | 225mm OD x 200 (8")  | 225 | 234 | 60 | 80  |
| 228.250.SDR    | 250mm OD x 200 (8")  | 250 | 287 | 60 | 80  |
| 228.280.SDR    | 280mm OD x 200 (8")  | 280 | 338 | 60 | 80  |
| 228.315.SDR    | 315mm OD x 300 (12") | 315 | 338 | 60 | 80  |
| 228.110.SDR__E | 110mm OD x 100 (4")  | 110 | 122 | 50 | 162 |
| 228.160.SDR__E | 160mm OD x 150 (6")  | 160 | 176 | 50 | 177 |
| 228.180.SDR__E | 180mm OD x 150 (6")  | 180 | 176 | 50 | 177 |
| 228.200.SDR__E | 200mm OD x 200 (8")  | 200 | 234 | 60 | 210 |
| 228.225.SDR__E | 225mm OD x 200 (8")  | 225 | 234 | 60 | 210 |
| 228.250.SDR__E | 250mm OD x 200 (8")  | 250 | 287 | 60 | 274 |
| 228.280.SDR__E | 280mm OD x 200 (8")  | 280 | 338 | 60 | 274 |
| 228.315.SDR__E | 315mm OD x 300 (12") | 315 | 338 | 60 | 382 |



## SLIM FLANGES

SDR11 PN16 – Nylon Backing Rings

| Code             | Description                       | A   | B   | C   |
|------------------|-----------------------------------|-----|-----|-----|
| 229.250.200 PN16 | 250mm OD x 200 Flange AS4087 PN16 | 240 | 250 | 270 |
| 229.315.250 PN16 | 315mm OD x 250 Flange AS4087 PN16 | 325 | 315 | 333 |
| 229.355.300 PN16 | 355mm OD x 300 Flange AS4087 PN16 | 340 | 355 | 379 |
| 229.450.375 PN16 | 450mm OD x 375 Flange AS4087 PN16 | 375 | 450 | 468 |
| 229.450.400 PN16 | 450mm OD x 400 Flange AS4087 PN16 | 400 | 450 | 495 |
| 229.500.450 PN16 | 500mm OD x 450 Flange AS4087 PN16 | 415 | 500 | 558 |
| 229.560.450 PN16 | 560mm OD x 450 Flange AS4087 PN16 | 510 | 560 |     |
| 229.560.500 PN16 | 560mm OD x 500 Flange AS4087 PN16 | 550 | 560 |     |
| 229.630.500 PN16 | 630mm OD x 500 Flange AS4087 PN16 | 600 | 630 |     |
| 229.630.550 PN16 | 630mm OD x 550 Flange AS4087 PN16 | 630 | 630 |     |



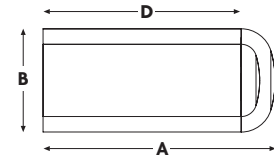
These are also available with galvanised or stainless steel backing rings  
Other patterns of backing rings are also available - i.e: ANSI150, BS4504 or EN1092

## END CAPS – BUTT FUSION

Add SDR rating after code - i.e: SDR17 or SDR11

| Code           | Description                  | A   | B   | C | D   |
|----------------|------------------------------|-----|-----|---|-----|
| 230.090.SDR__E | Electrofusion SDR17 or SDR11 | 124 | 90  |   | 72  |
| 230.110.SDR__E | Electrofusion SDR17 or SDR11 | 138 | 110 |   | 82  |
| 230.125.SDR__E | Electrofusion SDR17 or SDR11 | 155 | 125 |   | 92  |
| 230.160.SDR__E | Electrofusion SDR17 or SDR11 | 179 | 160 |   | 108 |
| 230.180.SDR__E | Electrofusion SDR17 or SDR11 | 200 | 180 |   | 120 |
| 230.200.SDR__E | Electrofusion SDR17 or SDR11 | 138 | 200 |   | 115 |
| 230.225.SDR__E | Electrofusion SDR17 or SDR11 | 148 | 225 |   | 122 |
| 230.250.SDR    | Butt Weld SDR17 or SDR11     | 100 | 250 |   | 80  |
| 230.280.SDR    | Butt Weld SDR17 or SDR11     | 100 | 280 |   | 80  |
| 230.315.SDR    | Butt Weld SDR17 or SDR11     | 100 | 315 |   | 80  |
| 230.355.SDR    | Butt Weld SDR17 or SDR11     |     |     |   |     |
| 230.400.SDR    | Butt Weld SDR17 or SDR11     |     |     |   |     |
| 230.450.SDR    | Butt Weld SDR17 or SDR11     |     |     |   |     |
| 230.500.SDR    | Butt Weld SDR17 or SDR11     |     |     |   |     |

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only



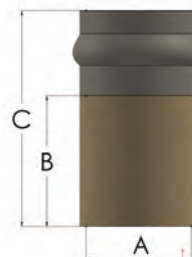
230

POLYETHYLENE

## MANHOLE – LONG SOCKET – CONNECTOR – RRJ

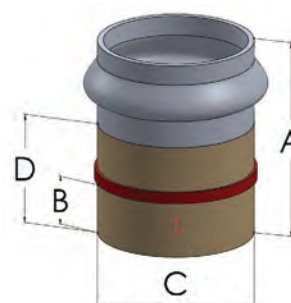
| Code                      | Description       | A   | B   | C   | D |
|---------------------------|-------------------|-----|-----|-----|---|
| <b>1580GRC.100 (SN16)</b> | Gritted Connector | 110 | 250 | 330 |   |
| <b>1580GRC.150 (SN16)</b> | Gritted Connector | 160 | 250 | 350 |   |
| <b>1580GRC.175 (SN16)</b> | Gritted Connector | 200 | 250 | 350 |   |
| <b>1580GRC.225 (SN16)</b> | Gritted Connector | 250 | 250 | 350 |   |
| <b>1580GRC.300 (SN16)</b> | Gritted Connector | 315 | 250 | 400 |   |
| <b>1580GRC.375 (SN16)</b> | Gritted Connector | 400 | 250 | 450 |   |
| <b>1580GRC.475 (SN16)</b> | Gritted Connector | 500 | 250 | 460 |   |

Rubber rings included  
AS/NZS 1260:2009



## HYDRO MANHOLE CONNECTORS – GRITTED

| Code                 | Description                       | A   | B   | C   | D |
|----------------------|-----------------------------------|-----|-----|-----|---|
| <b>1582.110 SN16</b> | Gritted PVC – Hydrophilic Sealant | 330 | 121 | 112 |   |
| <b>1582.125</b>      | Gritted PVC – Hydrophilic Sealant | 330 | 136 | 127 |   |
| <b>1582.160 SN16</b> | Gritted PVC – Hydrophilic Sealant | 350 | 173 | 162 |   |
| <b>1582.180 SN16</b> | Gritted PVC – Hydrophilic Sealant | 350 | 200 | 182 |   |
| <b>1582.200 SN16</b> | Gritted PVC – Hydrophilic Sealant | 350 | 217 | 202 |   |
| <b>1582.225 SN16</b> | Gritted PVC – Hydrophilic Sealant | 350 | 242 | 228 |   |
| <b>1582.250 SN16</b> | Gritted PVC – Hydrophilic Sealant | 350 | 270 | 253 |   |
| <b>1582.280 SN16</b> | Gritted PVC – Hydrophilic Sealant | 400 | 313 | 285 |   |
| <b>1582.315 SN16</b> | Gritted PVC – Hydrophilic Sealant | 400 | 335 | 318 |   |
| <b>1582.355</b>      | Gritted PVC – Hydrophilic Sealant | 450 | 375 | 358 |   |
| <b>1582.400 SN16</b> | Gritted PVC – Hydrophilic Sealant | 450 | 406 | 403 |   |
| <b>1582.450</b>      | Gritted PVC – Hydrophilic Sealant | 460 | 477 | 454 |   |
| <b>1582.500 SN16</b> | Gritted PVC – Hydrophilic Sealant | 460 | 527 | 503 |   |
| <b>1582.560 SN16</b> | Gritted PVC – Hydrophilic Sealant | 600 | 594 | 564 |   |
| <b>1582.630 SN16</b> | Gritted PVC – Hydrophilic Sealant | 750 | 668 | 634 |   |



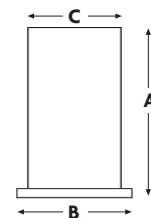
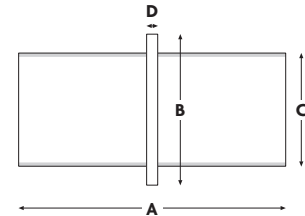


## PUDDLE FLANGES

Add SDR rating after code - i.e: SDR17 or SDR11

| Code    | Description    | A   | B   | C   | D  |
|---------|----------------|-----|-----|-----|----|
| 290.110 | SDR17 or SDR11 | 600 | 210 | 110 | 20 |
| 290.125 | SDR17 or SDR11 | 600 | 225 | 125 | 20 |
| 290.160 | SDR17 or SDR11 | 600 | 260 | 160 | 20 |
| 290.180 | SDR17 or SDR11 | 600 | 280 | 180 | 20 |
| 290.200 | SDR17 or SDR11 | 600 | 300 | 200 | 20 |
| 290.225 | SDR17 or SDR11 | 600 | 325 | 225 | 20 |
| 290.250 | SDR17 or SDR11 | 600 | 350 | 250 | 20 |
| 290.280 | SDR17 or SDR11 | 600 | 380 | 280 | 20 |
| 290.315 | SDR17 or SDR11 | 600 | 415 | 315 | 40 |
| 290.355 | SDR17 or SDR11 | 600 | 455 | 355 | 40 |
| 290.400 | SDR17 or SDR11 | 600 | 500 | 400 | 40 |
| 290.450 | SDR17 or SDR11 | 600 | 550 | 450 | 40 |
| 290.500 | SDR17 or SDR11 | 600 | 600 | 500 | 40 |

Other sizes up to 1200mm are available on request  
1000mm long are also available



## MANHOLE PUDDLE FLANGES

| Code       | Description        | A   | B   | C   | D |
|------------|--------------------|-----|-----|-----|---|
| 290WCC.160 | Wellington CC Type | 200 | 180 | 160 |   |
| 290WCC.200 | Wellington CC Type | 268 | 268 | 200 |   |
| 290WCC.315 | Wellington CC Type | 370 | 370 | 315 |   |

Other sizes are available on request

## ELECTROFUSION – REDUCING SADDLE – WYE



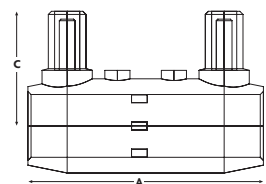
| Code                    | Description           | A | B | C | D |
|-------------------------|-----------------------|---|---|---|---|
| <b>E204.160.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |
| <b>E204.180.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |
| <b>E204.200.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |
| <b>E204.225.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |
| <b>E204.250.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |
| <b>E204.315.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |
| <b>E204.400.110.45°</b> | Drainage Saddle SDR17 |   |   |   |   |

## ELECTROFUSION COUPLINGS



Add SDR rating after code - i.e: SDR17 or SDR11

| Code           | Description    | A   | B   | C   | D |
|----------------|----------------|-----|-----|-----|---|
| <b>210.090</b> | SDR11          | 142 | 90  | 74  |   |
| <b>210.110</b> | SDR11          | 152 | 110 | 83  |   |
| <b>210.125</b> | SDR11          | 171 | 125 | 91  |   |
| <b>210.160</b> | SDR17 or SDR11 | 182 | 160 | 108 |   |
| <b>210.180</b> | SDR17 or SDR11 | 201 | 180 | 119 |   |
| <b>210.200</b> | SDR17 or SDR11 | 217 | 200 | 129 |   |
| <b>210.225</b> | SDR17 or SDR11 | 231 | 225 | 145 |   |
| <b>210.250</b> | SDR17 or SDR11 | 240 | 250 | 159 |   |
| <b>210.280</b> | SDR17 or SDR11 | 250 | 280 | 177 |   |
| <b>210.315</b> | SDR17 or SDR11 | 260 | 315 | 199 |   |
| <b>210.355</b> | SDR17 or SDR11 | 280 | 355 | 224 |   |
| <b>210.400</b> | SDR17 or SDR11 | 300 | 400 | 254 |   |
| <b>210.450</b> | SDR17 or SDR11 |     | 450 |     |   |
| <b>210.500</b> | SDR17 or SDR11 |     | 500 |     |   |
| <b>210.560</b> | SDR17 or SDR11 |     | 560 |     |   |
| <b>210.630</b> | SDR17 or SDR11 |     | 630 |     |   |
| <b>210.710</b> | SDR17 or SDR11 |     | 710 |     |   |



39.5 Volt 3mm Pins

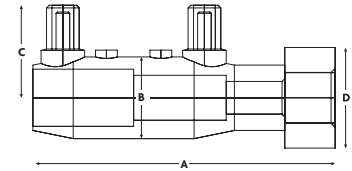
AS/NZS 4129:2008

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only

## TRANSITION FITTINGS

### Brass Thread c/w Coupling

| Code                | Thread type     | A   | B  | C | D  |
|---------------------|-----------------|-----|----|---|----|
| <b>E206.040.032</b> | Female Threaded | 148 | 40 |   | 53 |
| <b>E206.050.040</b> | Female Threaded | 167 | 50 |   | 67 |
| <b>E206.063.040</b> | Female Threaded | 194 | 63 |   | 83 |
| <b>E206.063.050</b> | Female Threaded | 194 | 63 |   | 83 |
| <b>E213.040.032</b> | Male Threaded   | 151 | 40 |   | 53 |
| <b>E213.050.040</b> | Male Threaded   | 166 | 50 |   | 67 |
| <b>E213.063.040</b> | Male Threaded   | 189 | 63 |   | 83 |
| <b>E213.063.050</b> | Male Threaded   | 189 | 63 |   | 83 |

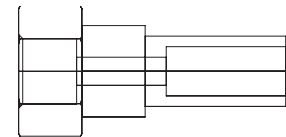


39.5 Volt 3mm Pin

## TRANSITION ADAPTER

### Brass Thread only

| Code                | Thread type     | A   | B  | C | D  |
|---------------------|-----------------|-----|----|---|----|
| <b>E206.040.032</b> | Female Threaded | 98  | 40 |   | 50 |
| <b>E206.050.040</b> | Female Threaded | 110 | 50 |   | 60 |
| <b>E206.063.040</b> | Female Threaded | 129 | 63 |   | 70 |
| <b>E206.063.050</b> | Female Threaded | 129 | 63 |   | 70 |
| <b>E213.040.032</b> | Male Threaded   | 98  | 40 |   | 50 |
| <b>E213.050.040</b> | Male Threaded   | 110 | 50 |   | 60 |
| <b>E213.063.040</b> | Male Threaded   | 129 | 63 |   | 70 |
| <b>E213.063.050</b> | Male Threaded   | 129 | 63 |   | 70 |



39.5 Volt 3mm Pin

AS/NZS 4129:2000

Multiple suppliers products can be stocked, all dimensions, masses and volumes are approximate only