

## DIMENSION OF BUTTWELD FITTINGS

### BUTT WELDING PIPE FITTING DIMENSIONAL STANDARD ANSI B-16.9, B-16.28 & MS SS P43

| Nominal Pipe Size |     | Outside Diameter | Center to Face |       |       |       | Back to Face |        |       |        | Center to Center |       |       | Length 'L' MS SS P43 |  |
|-------------------|-----|------------------|----------------|-------|-------|-------|--------------|--------|-------|--------|------------------|-------|-------|----------------------|--|
| Inch.             | mm  | D                | A              | B     | C     | N     | E            | F      | G     | R      | M                | S     | L     | L                    |  |
| 1/2               | 15  | 21.3             | 38.00          | 16.0  | 25.0  | —     | 25.0         | 48.0   | —     | 76.0   | —                | 35.0  | 50.8  | 76.2                 |  |
| 3/4               | 20  | 26.7             | 29.00          | 11.0  | 29.0  | —     | 25.0         | 43.0   | —     | 57.0   | —                | 43.0  | 50.8  | 76.2                 |  |
| 1                 | 25  | 33.4             | 38.00          | 22.0  | 38.0  | 25.0  | 38.0         | 56.0   | 41.0  | 76.0   | 51.0             | 51.0  | 50.8  | 101.6                |  |
| 1 1/4             | 32  | 42.2             | 48.00          | 25.0  | 48.0  | 32.0  | 38.0         | 70.0   | 52.0  | 95.0   | 64.0             | 64.0  | 50.8  | 101.6                |  |
| 1 1/2             | 40  | 48.3             | 57.15          | 29.0  | 57.0  | 38.0  | 38.0         | 83.0   | 62.0  | 114.0  | 76.0             | 73.0  | 50.8  | 101.6                |  |
| 2                 | 50  | 60.3             | 76.00          | 35.0  | 64.0  | 51.0  | 38.0         | 106.0  | 81.0  | 152.0  | 102.0            | 93.0  | 63.5  | 152.4                |  |
| 2 1/2             | 65  | 73               | 95.25          | 44.0  | 76.0  | 64.0  | 38.0         | 132.0  | 100.0 | 191.0  | 127.0            | 105.0 | 63.5  | 152.4                |  |
| 3                 | 80  | 88.9             | 114.30         | 51.0  | 86.0  | 76.0  | 51.0         | 159.0  | 121.0 | 229.0  | 152.0            | 127.0 | 63.5  | 152.4                |  |
| 3 1/2             | 90  | 101.6            | 133.35         | 57.0  | 95.0  | 89.0  | 64.0         | 184.0  | 140.0 | 267.0  | 178.0            | 140.0 | 76.2  | 152.4                |  |
| 4                 | 100 | 114.3            | 152.0          | 63.0  | 105.0 | 102.0 | 64.0         | 210.0  | 159.0 | 305.0  | 203.0            | 157.0 | 76.2  | 152.4                |  |
| 5                 | 125 | 141.3            | 190.0          | 79.0  | 123.0 | 127.0 | 76.0         | 262.0  | 197.0 | 381.0  | 254.0            | 186.0 | 76.2  | 203.2                |  |
| 6                 | 150 | 168.3            | 229.0          | 95.0  | 143.0 | 152.0 | 89.0         | 313.0  | 237.0 | 457.0  | 305.0            | 216.0 | 88.9  | 203.2                |  |
| 8                 | 200 | 219.1            | 305.0          | 127.0 | 178.0 | 203.0 | 102.0        | 414.0  | 313.0 | 610.0  | 406.0            | 270.0 | 101.6 | 203.2                |  |
| 10                | 250 | 273.1            | 381.0          | 159.0 | 216.0 | 254.0 | 127.0        | 515.0  | 391.0 | 762.0  | 508.0            | 324.0 | 127   | 254                  |  |
| 12                | 300 | 323.9            | 457.0          | 190.0 | 254.0 | 303.0 | 152.0        | 619.0  | 467.0 | 914.0  | 610.0            | 381.0 | 152.4 | 254                  |  |
| 14                | 350 | 355.6            | 533.0          | 222.0 | 279.0 | 356.0 | 165.0        | 711.0  | 533.0 | 1067.0 | 711.0            | 413.0 | 152.4 | 305.0                |  |
| 16                | 400 | 406.4            | 610.0          | 254.0 | 305.0 | 406.0 | 178.0        | 813.0  | 610.0 | 1219.0 | 813.0            | 470.0 | 152.4 | 305.0                |  |
| 18                | 450 | 457.2            | 686.0          | 286.0 | 343.0 | 457.0 | 203.0        | 914.0  | 686.0 | 1372.0 | 914.0            | 533.0 | 152.4 | 305.0                |  |
| 20                | 500 | 508              | 762.0          | 318.0 | 381.0 | 508.0 | 229.0        | 1016.0 | 762.0 | 1524.0 | 1016.0           | 584.0 | 152.4 | 305.0                |  |
| 22                | 550 | 559              | 838.0          | 343.0 | 419.0 | 559.0 | 254.0        | 1118.0 | 838.0 | 1676.0 | 1118.0           | 614.4 | 152.4 | 305.0                |  |
| 24                | 600 | 610              | 914.0          | 381.0 | 432.0 | 610.0 | 267.0        | 1219.0 | 914.0 | 1829.0 | 1219.0           | 692.0 | 152.4 | 305.0                |  |
| 26                | 650 | 660              | 991.0          | 406.0 | 495.0 | 660.0 | 267.0        |        |       |        |                  |       |       |                      |  |
| 28                | 700 | 711              | 1067.0         | 438.0 | 521.0 | 771.0 | 267.0        |        |       |        |                  |       |       |                      |  |
| 30                | 750 | 762              | 1143.0         | 470.0 | 589.0 | 762.0 | 267.0        |        |       |        |                  |       |       |                      |  |
| 32                | 800 | 813              | 1219.0         | 502.0 | 597.0 | 813.0 | 267.0        |        |       |        |                  |       |       |                      |  |
| 34                | 850 | 864              | 1295.0         | 533.0 | 635.0 | 864.0 | 267.0        |        |       |        |                  |       |       |                      |  |
| 36                | 900 | 914              | 1372.0         | 565.0 | 673.0 | 914.0 | 267.0        |        |       |        |                  |       |       |                      |  |



