

## STANDARD OUTSIDE DIAMETER

| NOMINAL BORE | IMPERIAL CAST IRON & ASBESTOS CEMENT (TURNED END)<br>BS1211 (1981) (UTI 27" NB)<br>BS78 (1981) BS486 (1966) |                 |              | STEEL ISO/4200 (1991) |        |       |       |               |  |  |               | PVC-U         | ABS           | DUCTILE IRON   | GRP                                 | METRIC ASBESTOS CEMENT (TURNED END)<br>BS486 (1990) |          |          |     |
|--------------|---|-----------------|--------------|-----------------------|--------|-------|-------|---------------|--|--|---------------|---------------|---------------|--|-------------------------------------|---|----------|----------|-----|
|              | CLASS AB ONLY   | CLASS CD ONLY   | NON STD      | SER 1                 | SER 2  | SER 3 | SER 3 | BS1387 (1990) | BS3600 (1997) & BS2401 (1993)<br>(appends to BS534 1990) | API 5L (2000) & BS1600 (2000) UTI 36" NB | BS3303 (1998) | BS3306 (1969) | BS5391 (1976) | BS EN 545 (2002),<br>BS EN 598 (1995),<br>BS4772 (1988) DN 28001,<br>28802, 28803, 28805 | BS5400 (1990)<br>(Typical UK sizes) | CLASS 15  | CLASS 20 | CLASS 25 |     |
| 15<br>0.5    |   |                 |              | 21.3                  |        |       |       | 21.3          | 21.4   | 21.4                                     | 21.4          | 21.4          |               |  |                                     |   |          |          |     |
| 20<br>0.75   |   |                 |              | 26.9                  | 25.0   | 25.4  |       | 26.9          | 26.8   | 26.7                                     | 26.8          | 26.8          |               |  |                                     |   |          |          |     |
| 25<br>1      |   |                 |              | 33.7                  | 32.0   | 30.0  | 35.0  | 33.7          | 33.6   | 33.4                                     | 33.6          | 33.6          |               |  |                                     |   |          |          |     |
| 32<br>1.25   |   |                 |              | 42.4                  | 40.0   | 44.5  |       | 42.4          | 42.3   | 42.2                                     | 42.3          | 42.3          |               |  |                                     |   |          |          |     |
| 40<br>1.5    | 55.9<br>2.20  | 55.9<br>2.20    | 57.0<br>2.25 | 48.3                  | 57.0   | 54.0  |       | 48.3          | 48.3   | 48.3                                     | 48.3          | 48.3          | 56            |  |                                     |   |          |          |     |
| 50<br>2      | 69.1<br>2.72  | 69.1<br>2.72    |              | 60.3                  | 63.5   |       |       | 60.3          | 60.4   | 60.3                                     | 60.4          | 60.4          | 66            |  |                                     |   |          |          | 69  |
| 65<br>2.5    | 82.3<br>3.24  | 82.3<br>3.24    | 82.5<br>3.25 | 76.1                  | 70.0   | 73.0  |       | 76.1          | 76.1   | 73.0                                     |               | 75.2          | 82            |  |                                     |   |          |          |     |
| 80<br>3      | 95.5<br>3.76  | 95.5<br>3.76    |              | 88.9                  |        | 82.5  |       | 88.9          | 88.9   | 88.9                                     | 88.9          | 88.9          | 88.8          | 98   |                                     |   |          |          | 96  |
| 90<br>3.5    |   |                 |              |                       | 101.6  |       |       | 101.6         | 101.6  |  |               |               |               |  |                                     |   |          |          |     |
| 100<br>4     | 121.9<br>4.80   | 121.9<br>4.80   |              | 114.3                 | 127.0  | 108.0 |       | 114.3         | 114.3  | 114.3                                    | 114.3         | 114.3         | 114.3         | 118  |                                     |   |          |          | 122 |
| 125<br>5     | 149.9<br>5.90   | 149.9<br>5.90   |              | 139.7                 | 133.0  | 141.3 | 152.4 | 139.7         | 139.7  | 141.3                                    | 140.2         | 140.2         | 144           |  |                                     |   |          |          |     |
| 150<br>6     | 177.3<br>6.98   | 177.3<br>6.98   |              | 168.3                 |        | 159.0 | 177.8 | 165.1         | 168.3  | 168.3                                    | 168.3         | 168.3         | 168.3         | 170  |                                     | 177   |          |          | 177 |
| 175<br>7     | 204.7<br>8.06   | 204.7<br>8.06   |              |                       |        | 193.7 |       | 193.7         |  |  | 193.8         |               |               |  |                                     |   |          |          |     |
| 200<br>8     | 232.2<br>9.14   | 232.2<br>9.14   |              | 219.1                 |        |       |       | 219.1         | 219.1  | 219.1                                    | 219.1         | 219.1         | 222           | 220  | 232                                 | 232   | 240      |          |     |
| 225<br>9     | 259.1<br>10.20  | 259.1<br>10.20  |              |                       |        | 244.5 |       | 244.5         |  |  | 244.5         |               |               |  | 259                                 | 259   | 268      |          |     |
| 250<br>10    | 286.0<br>11.26  | 286.0<br>11.26  |              | 273.0                 |        |       |       | 273.0         | 273.1  | 273.0                                    | 273.0         |               | 274           | 272  | 286                                 | 286   | 295      |          |     |
| 300<br>12    | 333.8<br>13.14  | 345.4<br>13.60  |              | 323.9                 |        |       |       | 323.9         | 323.9  | 323.9                                    | 323.9         |               | 326           | 324  | 334                                 | 345   | 356      |          |     |
| 350<br>14    | 387.0<br>15.22  | 399.3<br>15.72  |              | 355.6                 |        |       |       | 355.6         | 355.6  | 355.6                                    | 355.5         |               | 378           | 376  | 392                                 | 405   | 419      |          |     |
| 375<br>15    | 413.0<br>16.26  | 426.2<br>16.78  |              |                       |        |       |       |               |  |  |               |               |               |  |                                     |   |          |          |     |
| 400<br>16    | 439.0<br>17.30  | 453.1<br>17.84  |              | 406.4                 |        |       |       | 406.4         | 406.4  | 406.4                                    | 406.4         |               | 429           | 427  | 448                                 | 463   | 478      |          |     |
| 450<br>18    | 492.0<br>19.38  | 506.9<br>19.96  |              | 457.0                 |        |       |       | 457.0         | 457.2  | 457.2                                    | 457.2         |               | 480           | 478  | 498                                 | 515   | 532      |          |     |
| 500<br>20    | 545.0<br>21.46  | 560.3<br>22.06  |              | 508.0                 |        |       |       | 508.0         | 508.0  | 508.0                                    | 508.0         |               | 532           | 530  | 568                                 | 586   | 605      |          |     |
| 525<br>21    | 572.0<br>22.50  | 587.2<br>23.12  |              |                       |        |       |       |               |  |  |               |               |               |  |                                     |   |          |          |     |
| 550<br>22    | 598.0<br>23.54  | 613.7<br>24.16  |              |                       |        | 559.0 |       | 559.0         | 559.0  |  | 558.8         |               |               |  |                                     |   |          |          |     |
| 600<br>24    | 650.0<br>25.60  | 667.0<br>26.26  |              | 610.0                 |        |       |       | 610.0         | 609.6  | 609.6                                    | 609.6         |               | 635           | 633  | 654                                 | 672   | 691      |          |     |
| 650<br>26    | 703.0<br>27.66  | 720.3<br>28.36  |              |                       |        | 600.0 |       | 660.0         | 660.4  |  |               |               |               |  |                                     |   |          |          |     |
| 675<br>27    | 729.0<br>28.70  | 746.8<br>29.40  |              |                       |        |       |       |               |  |  |               |               |               |  |                                     |   |          |          |     |
| 700<br>28    | 755.0<br>29.72  | 773.2<br>30.44  |              | 711.0                 | 762.0  |       |       | 711.0         | 711.2  |  |               |               | 738           | 718  | 761                                 | 780   | 801      |          |     |
| 750<br>30    | 807.0<br>31.78  | 826.0<br>32.52  |              |                       |        |       |       | 762.0         | 762.0  |  |               |               |               |  | 808                                 | 830   | 852      |          |     |
| 800<br>32    | 860.0<br>33.84  | 879.3<br>34.62  |              | 813.0                 |        |       |       | 813.0         | 812.8  |  |               |               | 842           | 820  | 882                                 | 904   | 915      |          |     |
| 825<br>33    | 886.0<br>34.88  | 905.8<br>35.66  |              |                       |        |       |       |               |  |  |               |               |               |  |                                     |   |          |          |     |
| 850<br>34    | 912.0<br>35.92  |                 |              |                       |        | 864.0 |       | 864.0         | 863.6  |  |               |               |               |  | 927                                 | 952   | 977      |          |     |
| 900<br>36    | 964.0<br>37.96  | 984.5<br>38.76  |              | 914.0                 |        |       |       | 914.0         | 914.4  |  |               |               | 945           | 924  | 970                                 | 996   | 1024     |          |     |
| 1000<br>40   | 1068.0<br>42.06   | 1090.2<br>42.92 |              | 1016.0                |        |       |       | 1016.0        | 1016.0   |  |               |               | 1048          | 1027   |                                     |   |          |          |     |
| 1050<br>42   | 1121.0<br>44.12   | 1143.0<br>45.00 |              | 1067.0                | 1168.0 |       |       | 1067.0        | 1066.8   |  |               |               |               |  |                                     |   |          |          |     |
| 1100<br>44   | 1172.0<br>46.16   |                 |              | 1118.0                |        |       |       |               | 1117.6   |  |               |               | 1152          | 1144   |                                     |   |          |          |     |
| 1200<br>48   | 1277.0<br>50.26   | 1300.5<br>51.20 |              | 1219.0                |        |       |       | 1219.0        | 1219.2   |  |               |               | 1255          | 1228   |                                     |   |          |          |     |
| 1300<br>52   |   |                 |              |                       | 1321.0 |       |       |               | 1320.8   |  |               |               |               | 1350   |                                     |   |          |          |     |
| 1400<br>56   |   |                 |              | 1422.0                |        |       |       | 1422.0        | 1422.4   |  |               |               | 1462          | 1449   |                                     |   |          |          |     |
| 1600<br>64   |   |                 |              | 1626.0                |        |       |       | 1626.0        | 1625.6   |  |               |               | 1668          | 1640   |                                     |   |          |          |     |
| 1800<br>72   |   |                 |              | 1829.0                |        |       |       | 1829.0        | 1828.8   |  |               |               | 1875          | 1844   |                                     |   |          |          |     |
| 2000<br>80   |   |                 |              | 2032.0                |        |       |       | 2032.0        | 2032.0   |  |               |               | 2082          | 2048   |                                     |   |          |          |     |