

Dimensions and weights per metre - Precision Tube Sizes - ISO

| OD <sup>1</sup><br>mm                             | ISO Series | Wall thickness <sup>1</sup> , mm |       |       |       |       |       |       |       |       |       |       |       |      |       |      |       |      |       |      |       |      |        |      |        |      |        |      |        |      |
|---------------------------------------------------|------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|------|--------|------|--------|------|
|                                                   |            | 0.5                              | (0.8) | 1     | (1.2) | 1.5   | (1.8) | 2.0   | (2.2) | 2.5   | (2.8) | 3.0   | (3.5) | 4.0  | (4.5) | 5.0  | (5.5) | 6.0  | (7.0) | 8.0  | (9.0) | 10.0 | (11.0) | 12.5 | (14.0) | 16.0 | (18.0) | 20.0 | (22.0) | 25.0 |
| Weight <sup>2</sup> , kg/m (conventional weights) |            |                                  |       |       |       |       |       |       |       |       |       |       |       |      |       |      |       |      |       |      |       |      |        |      |        |      |        |      |        |      |
| 4                                                 | 2          | 0.043                            | 0.063 | 0.074 | 0.083 | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 5                                                 | 2          | 0.056                            | 0.083 | 0.099 | 0.112 | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 6                                                 | 2          | 0.068                            | 0.103 | 0.123 | 0.142 | 0.166 | 0.186 | 0.197 | -     | -     | -     | -     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 8                                                 | 2          | 0.092                            | 0.142 | 0.173 | 0.201 | 0.24  | 0.275 | 0.296 | 0.315 | 0.339 | -     | -     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 10                                                | 2          | 0.117                            | 0.182 | 0.222 | 0.26  | 0.314 | 0.364 | 0.395 | 0.423 | 0.462 | -     | -     | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 12                                                | 2          | 0.142                            | 0.221 | 0.271 | 0.32  | 0.388 | 0.453 | 0.493 | 0.532 | 0.586 | 0.635 | 0.666 | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 12.7                                              | 2          | 0.15                             | 0.235 | 0.289 | 0.34  | 0.414 | 0.484 | 0.528 | 0.57  | 0.629 | 0.684 | 0.718 | -     | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 14                                                | 3          | 0.166                            | 0.26  | 0.321 | 0.379 | 0.462 | 0.542 | 0.592 | 0.64  | 0.709 | 0.773 | 0.814 | 0.906 | -    | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 16                                                | 2          | 0.191                            | 0.3   | 0.37  | 0.438 | 0.536 | 0.63  | 0.691 | 0.749 | 0.832 | 0.911 | 0.962 | 1.08  | 1.18 | -     | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 18                                                | 3          | 0.216                            | 0.339 | 0.419 | 0.497 | 0.61  | 0.719 | 0.789 | 0.857 | 0.956 | 1.05  | 1.11  | 1.25  | 1.38 | 1.5   | -    | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 20                                                | 2          | 0.24                             | 0.379 | 0.469 | 0.556 | 0.684 | 0.808 | 0.888 | 0.966 | 1.08  | 1.19  | 1.26  | 1.42  | 1.58 | 1.72  | 1.85 | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 22                                                | 3          | 0.265                            | 0.418 | 0.518 | 0.616 | 0.758 | 0.897 | 0.986 | 1.07  | 1.2   | 1.33  | 1.41  | 1.6   | 1.78 | 1.94  | 2.1  | -     | -    | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 25                                                | 2          | 0.302                            | 0.477 | 0.592 | 0.704 | 0.869 | 1.03  | 1.13  | 1.24  | 1.39  | 1.53  | 1.63  | 1.86  | 2.07 | 2.28  | 2.47 | 2.64  | 2.81 | -     | -    | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 28                                                | 3          | 0.339                            | 0.537 | 0.666 | 0.793 | 0.98  | 1.16  | 1.28  | 1.4   | 1.57  | 1.74  | 1.85  | 2.11  | 2.37 | 2.61  | 2.84 | 3.05  | 3.26 | 3.63  | 3.95 | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 30                                                | 3          | 0.364                            | 0.576 | 0.715 | 0.852 | 1.05  | 1.25  | 1.38  | 1.51  | 1.7   | 1.88  | 2     | 2.29  | 2.56 | 2.83  | 3.08 | 3.32  | 3.55 | 3.97  | 4.34 | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 32                                                | 2          | 0.388                            | 0.616 | 0.765 | 0.911 | 1.13  | 1.34  | 1.48  | 1.62  | 1.82  | 2.02  | 2.15  | 2.46  | 2.76 | 3.05  | 3.33 | 3.59  | 3.85 | 4.32  | 4.74 | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 35                                                | 3          | 0.425                            | 0.675 | 0.838 | 1     | 1.24  | 1.47  | 1.63  | 1.78  | 2     | 2.22  | 2.37  | 2.72  | 3.06 | 3.38  | 3.7  | 4     | 4.29 | 4.83  | 5.33 | -     | -    | -      | -    | -      | -    | -      | -    | -      | -    |
| 38                                                | 2          | 0.462                            | 0.734 | 0.912 | 1.09  | 1.35  | 1.61  | 1.78  | 1.94  | 2.19  | 2.43  | 2.59  | 2.98  | 3.35 | 3.72  | 4.07 | 4.41  | 4.74 | 5.35  | 5.92 | 6.44  | 6.91 | -      | -    | -      | -    | -      | -    | -      | -    |
| 40                                                | 2          | 0.487                            | 0.773 | 0.962 | 1.15  | 1.42  | 1.7   | 1.87  | 2.05  | 2.31  | 2.57  | 2.74  | 3.15  | 3.55 | 3.94  | 4.32 | 4.68  | 5.03 | 5.7   | 6.31 | 6.88  | 7.4  | -      | -    | -      | -    | -      | -    | -      | -    |
| 45                                                | 3          | -                                | 0.872 | 1.09  | 1.3   | 1.61  | 1.92  | 2.12  | 2.32  | 2.62  | 2.91  | 3.11  | 3.58  | 4.04 | 4.49  | 4.93 | 5.36  | 5.77 | 6.56  | 7.3  | 7.99  | 8.63 | 9.22   | 10   | -      | -    | -      | -    | -      | -    |
| 50                                                | 2          | -                                | 0.971 | 1.21  | 1.44  | 1.79  | 2.14  | 2.37  | 2.59  | 2.93  | 3.26  | 3.48  | 4.01  | 4.54 | 5.05  | 5.55 | 6.04  | 6.51 | 7.42  | 8.29 | 9.1   | 9.86 | 10.6   | 11.6 | -      | -    | -      | -    | -      | -    |
| 55                                                | 3          | -                                | 1.07  | 1.33  | 1.59  | 1.98  | 2.36  | 2.61  | 2.86  | 3.24  | 3.6   | 3.85  | 4.45  | 5.03 | 5.6   | 6.17 | 6.71  | 7.25 | 8.29  | 9.27 | 10.2  | 11.1 | 11.9   | 13.1 | 14.2   | -    | -      | -    | -      | -    |
| 60                                                | 2          | -                                | 1.17  | 1.46  | 1.74  | 2.16  | 2.58  | 2.86  | 3.14  | 3.55  | 3.95  | 4.22  | 4.88  | 5.52 | 6.16  | 6.78 | 7.39  | 7.99 | 9.15  | 10.3 | 11.3  | 12.3 | 13.3   | 14.6 | 15.9   | 17.4 | -      | -    | -      | -    |
| 70                                                | 2          | -                                | 1.36  | 1.7   | 2.04  | 2.53  | 3.03  | 3.35  | 3.68  | 4.16  | 4.64  | 4.96  | 5.74  | 6.51 | 7.27  | 8.01 | 8.75  | 9.47 | 10.9  | 12.2 | 13.5  | 14.8 | 16     | 17.7 | 19.3   | 21.3 | -      | -    | -      | -    |
| 80                                                | 2          | -                                | 1.56  | 1.95  | 2.33  | 2.9   | 3.47  | 3.85  | 4.22  | 4.78  | 5.33  | 5.7   | 6.6   | 7.5  | 8.38  | 9.25 | 10.1  | 10.9 | 12.6  | 14.2 | 15.8  | 17.3 | 18.7   | 20.8 | 22.8   | 25.3 | 27.5   | -    | -      | -    |
| 90                                                | 3          | -                                | -     | -     | 2.63  | 3.27  | 3.92  | 4.34  | 4.76  | 5.39  | 6.02  | 6.44  | 7.47  | 8.48 | 9.49  | 10.5 | 11.5  | 12.4 | 14.3  | 16.2 | 18    | 19.7 | 21.4   | 23.9 | 26.2   | 29.2 | 32     | 34.5 | 36.9   | -    |
| 100                                               | 2          | -                                | -     | -     | 2.92  | 3.64  | 4.36  | 4.83  | 5.31  | 6.01  | 6.71  | 7.18  | 8.33  | 9.47 | 10.6  | 11.7 | 12.8  | 13.9 | 16.1  | 18.2 | 20.2  | 22.2 | 24.1   | 27   | 29.7   | 31.1 | 36.4   | 39.5 | 42.3   | 46.2 |
| 110                                               | 3          | -                                | -     | -     | 3.22  | 4.01  | 4.8   | 5.33  | 5.85  | 6.63  | 7.4   | 7.92  | 9.19  | 10.5 | 11.7  | 12.9 | 14.2  | 15.4 | 17.8  | 20.1 | 22.4  | 24.7 | 26.9   | 30.1 | 33.1   | 37.1 | 40.8   | 44.4 | 47.7   | 52.4 |
| 120                                               | 2          | -                                | -     | -     | -     | -     | 5.25  | 5.82  | 6.39  | 7.24  | 8.09  | 8.66  | 10.1  | 11.4 | 12.8  | 14.2 | 15.5  | 16.9 | 19.5  | 22.1 | 24.6  | 27.1 | 29.6   | 33.1 | 36.6   | 41   | 45.3   | 49.3 | 53.2   | 58.6 |
| 140                                               | 3          | -                                | -     | -     | -     | -     | 6.13  | 6.81  | 7.48  | 8.48  | 9.47  | 10.1  | 11.8  | 13.4 | 15    | 16.6 | 18.2  | 19.8 | 23    | 26   | 29.1  | 32.1 | 35     | 39.3 | 43.5   | 48.9 | 54.2   | 59.2 | 64     | 70.9 |
| 160                                               | 2          | -                                | -     | -     | -     | -     | 7.02  | 7.79  | 8.56  | 9.71  | 10.9  | 11.6  | 13.5  | 15.4 | 17.3  | 19.1 | 21    | 22.8 | 26.4  | 30   | 33.5  | 37   | 40.4   | 45.5 | 50.4   | 56.8 | 63     | 69.1 | 74.9   | 83.2 |
| 180                                               | 3          | -                                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | 21.6 | 23.7  | 25.7 | 29.9  | 33.9 | 38    | 41.9 | 45.8   | 51.6 | 57.3   | 64.7 | 71.9   | 78.9 | 85.7   | 95.6 |
| 200                                               | 2          | -                                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -    | 28.7  | 33.3 | 37.9  | 42.4 | 46.9  | 51.3 | 57.8   | 64.2 | 72.6   | 80.8 | 88.8   | 96.6 | 108    | -    |
| 220                                               | 3          | -                                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -    | -     | -    | 36.8  | 41.8 | 46.8  | 51.8 | 56.7   | 64   | 71.1   | 80.5 | 89.7   | 98.6 | 107    | 120  |
| 240                                               | 3          | -                                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -    | -     | -    | -     | 40.2 | 45.8  | 51.3 | 56.7   | 62.1 | 70.1   | 78   | 88.4   | 98.6 | 109    | 133  |
| 260                                               | 3          | -                                | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | -    | -     | -    | -     | -    | -     | 43.7 | 49.7  | 55.7 | 61.7   | 67.5 | 76.3   | 84.9 | 96.3   | 107  | 118    | 145  |

Notes

1 Thicknesses in parentheses should be avoided where possible

2 Conventional weights (carbon steel) are quoted.

For austenitic stainless steels multiply the quoted weight by 1.014.

For ferritic and martensitic steels multiply the quoted weight by 0.985.