

# O-Ring Standard Size (Metric)

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MEASUREMENTS IN MILLIMETERS

| ID    | ±    | CS   | ±    | ID    | ±    | CS   | ±    | ID    | ±    | CS   | ±    |
|-------|------|------|------|-------|------|------|------|-------|------|------|------|
| 1.00  | 0.12 | 1.00 | 0.07 | 28.00 | 0.26 | 1.00 | 0.07 | 20.00 | 0.22 | 1.50 | 0.08 |
| 1.50  | 0.12 | 1.00 | 0.07 | 29.00 | 0.27 | 1.00 | 0.07 | 21.00 | 0.23 | 1.50 | 0.08 |
| 2.00  | 0.13 | 1.00 | 0.07 | 30.00 | 0.27 | 1.00 | 0.07 | 21.50 | 0.23 | 1.50 | 0.08 |
| 2.50  | 0.13 | 1.00 | 0.07 | 31.00 | 0.28 | 1.00 | 0.07 | 22.00 | 0.24 | 1.50 | 0.08 |
| 3.00  | 0.14 | 1.00 | 0.07 | 32.00 | 0.29 | 1.00 | 0.07 | 23.00 | 0.24 | 1.50 | 0.08 |
| 3.50  | 0.14 | 1.00 | 0.07 | 33.00 | 0.29 | 1.00 | 0.07 | 24.00 | 0.24 | 1.50 | 0.08 |
| 4.00  | 0.14 | 1.00 | 0.07 | 34.00 | 0.30 | 1.00 | 0.07 | 25.00 | 0.25 | 1.50 | 0.08 |
| 4.50  | 0.14 | 1.00 | 0.07 | 35.00 | 0.30 | 1.00 | 0.07 | 26.00 | 0.26 | 1.50 | 0.08 |
| 5.00  | 0.15 | 1.00 | 0.07 | 36.00 | 0.31 | 1.00 | 0.07 | 27.00 | 0.26 | 1.50 | 0.08 |
| 5.50  | 0.15 | 1.00 | 0.07 | 37.00 | 0.31 | 1.00 | 0.07 | 28.00 | 0.28 | 1.50 | 0.08 |
| 6.00  | 0.15 | 1.00 | 0.07 | 38.00 | 0.32 | 1.00 | 0.07 | 28.50 | 0.28 | 1.50 | 0.08 |
| 6.50  | 0.16 | 1.00 | 0.07 | 39.00 | 0.33 | 1.00 | 0.07 | 29.00 | 0.29 | 1.50 | 0.08 |
| 7.00  | 0.16 | 1.00 | 0.07 | 40.00 | 0.33 | 1.00 | 0.07 | 30.00 | 0.29 | 1.50 | 0.08 |
| 7.50  | 0.16 | 1.00 | 0.07 |       |      |      |      | 31.50 | 0.31 | 1.50 | 0.08 |
| 8.00  | 0.16 | 1.00 | 0.07 | 1.50  | 0.12 | 1.50 | 0.08 | 32.00 | 0.32 | 1.50 | 0.08 |
| 8.50  | 0.16 | 1.00 | 0.07 | 1.85  | 0.13 | 1.50 | 0.08 | 33.00 | 0.32 | 1.50 | 0.08 |
| 9.00  | 0.17 | 1.00 | 0.07 | 2.00  | 0.13 | 1.50 | 0.08 | 34.00 | 0.33 | 1.50 | 0.08 |
| 9.50  | 0.17 | 1.00 | 0.07 | 2.50  | 0.13 | 1.50 | 0.08 | 35.00 | 0.34 | 1.50 | 0.08 |
| 10.00 | 0.17 | 1.00 | 0.07 | 3.00  | 0.14 | 1.50 | 0.08 | 36.00 | 0.35 | 1.50 | 0.08 |
| 10.50 | 0.18 | 1.00 | 0.07 | 3.50  | 0.14 | 1.50 | 0.08 | 37.00 | 0.36 | 1.50 | 0.08 |
| 11.00 | 0.18 | 1.00 | 0.07 | 4.00  | 0.14 | 1.50 | 0.08 | 38.00 | 0.36 | 1.50 | 0.08 |
| 11.50 | 0.19 | 1.00 | 0.07 | 4.50  | 0.14 | 1.50 | 0.08 | 39.00 | 0.37 | 1.50 | 0.08 |
| 12.00 | 0.19 | 1.00 | 0.07 | 5.00  | 0.15 | 1.50 | 0.08 | 40.00 | 0.38 | 1.50 | 0.08 |
| 12.50 | 0.19 | 1.00 | 0.07 | 5.50  | 0.15 | 1.50 | 0.08 | 41.00 | 0.39 | 1.50 | 0.08 |
| 13.00 | 0.19 | 1.00 | 0.07 | 6.00  | 0.15 | 1.50 | 0.08 | 42.00 | 0.40 | 1.50 | 0.08 |
| 13.50 | 0.19 | 1.00 | 0.07 | 6.50  | 0.15 | 1.50 | 0.08 | 43.00 | 0.40 | 1.50 | 0.08 |
| 14.00 | 0.19 | 1.00 | 0.07 | 7.00  | 0.16 | 1.50 | 0.08 | 44.00 | 0.41 | 1.50 | 0.08 |
| 14.50 | 0.20 | 1.00 | 0.07 | 7.50  | 0.16 | 1.50 | 0.08 | 45.00 | 0.42 | 1.50 | 0.08 |
| 15.00 | 0.20 | 1.00 | 0.07 | 8.00  | 0.16 | 1.50 | 0.08 | 46.00 | 0.43 | 1.50 | 0.08 |
| 15.50 | 0.20 | 1.00 | 0.07 | 8.50  | 0.16 | 1.50 | 0.08 | 47.00 | 0.44 | 1.50 | 0.08 |
| 16.00 | 0.20 | 1.00 | 0.07 | 9.00  | 0.17 | 1.50 | 0.08 | 48.00 | 0.44 | 1.50 | 0.08 |
| 16.50 | 0.21 | 1.00 | 0.07 | 9.50  | 0.17 | 1.50 | 0.08 | 49.00 | 0.45 | 1.50 | 0.08 |
| 17.00 | 0.21 | 1.00 | 0.07 | 10.00 | 0.17 | 1.50 | 0.08 | 50.00 | 0.46 | 1.50 | 0.08 |
| 17.50 | 0.21 | 1.00 | 0.07 | 10.50 | 0.18 | 1.50 | 0.08 | 51.00 | 0.47 | 1.50 | 0.08 |
| 18.00 | 0.21 | 1.00 | 0.07 | 10.70 | 0.18 | 1.50 | 0.08 | 52.00 | 0.47 | 1.50 | 0.08 |
| 18.50 | 0.22 | 1.00 | 0.07 | 11.00 | 0.18 | 1.50 | 0.08 | 53.00 | 0.48 | 1.50 | 0.08 |
| 19.00 | 0.22 | 1.00 | 0.07 | 11.50 | 0.18 | 1.50 | 0.08 | 54.00 | 0.50 | 1.50 | 0.08 |
| 19.50 | 0.22 | 1.00 | 0.07 | 12.00 | 0.19 | 1.50 | 0.08 | 55.00 | 0.50 | 1.50 | 0.08 |
| 20.00 | 0.22 | 1.00 | 0.07 | 12.50 | 0.19 | 1.50 | 0.08 | 56.00 | 0.51 | 1.50 | 0.08 |
| 20.50 | 0.22 | 1.00 | 0.07 | 13.00 | 0.19 | 1.50 | 0.08 | 57.00 | 0.52 | 1.50 | 0.08 |
| 21.00 | 0.23 | 1.00 | 0.07 | 13.50 | 0.19 | 1.50 | 0.08 | 58.00 | 0.52 | 1.50 | 0.08 |
| 21.50 | 0.23 | 1.00 | 0.07 | 14.00 | 0.19 | 1.50 | 0.08 | 59.00 | 0.54 | 1.50 | 0.08 |
| 22.00 | 0.24 | 1.00 | 0.07 | 14.50 | 0.19 | 1.50 | 0.08 | 60.00 | 0.54 | 1.50 | 0.08 |
| 22.50 | 0.24 | 1.00 | 0.07 | 15.00 | 0.20 | 1.50 | 0.08 | 61.00 | 0.55 | 1.50 | 0.08 |
| 23.00 | 0.24 | 1.00 | 0.07 | 15.50 | 0.20 | 1.50 | 0.08 | 62.00 | 0.55 | 1.50 | 0.08 |
| 23.50 | 0.24 | 1.00 | 0.07 | 16.00 | 0.20 | 1.50 | 0.08 | 63.00 | 0.56 | 1.50 | 0.08 |
| 24.00 | 0.24 | 1.00 | 0.07 | 17.00 | 0.21 | 1.50 | 0.08 | 64.00 | 0.58 | 1.50 | 0.08 |
| 24.50 | 0.25 | 1.00 | 0.07 | 17.50 | 0.21 | 1.50 | 0.08 | 65.00 | 0.58 | 1.50 | 0.08 |
| 25.00 | 0.25 | 1.00 | 0.07 | 18.00 | 0.21 | 1.50 | 0.08 | 66.00 | 0.59 | 1.50 | 0.08 |
| 26.00 | 0.25 | 1.00 | 0.07 | 19.00 | 0.22 | 1.50 | 0.08 | 67.00 | 0.59 | 1.50 | 0.08 |
| 27.00 | 0.26 | 1.00 | 0.07 | 19.50 | 0.22 | 1.50 | 0.08 | 68.00 | 0.61 | 1.50 | 0.08 |

O-Ring Standard Size (Metric)

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### MEASUREMENTS IN MILLIMETERS

| ID     | ±    | CS   | ±    | ID    | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|--------|------|------|------|-------|------|------|------|--------|------|------|------|
| 69.00  | 0.61 | 1.50 | 0.08 | 14.00 | 0.19 | 2.00 | 0.08 | 56.00  | 0.51 | 2.00 | 0.08 |
| 70.00  | 0.62 | 1.50 | 0.08 | 15.00 | 0.20 | 2.00 | 0.08 | 57.00  | 0.52 | 2.00 | 0.08 |
| 71.00  | 0.63 | 1.50 | 0.08 | 16.00 | 0.20 | 2.00 | 0.08 | 58.00  | 0.52 | 2.00 | 0.08 |
| 72.00  | 0.63 | 1.50 | 0.08 | 17.00 | 0.21 | 2.00 | 0.08 | 59.00  | 0.54 | 2.00 | 0.08 |
| 73.00  | 0.64 | 1.50 | 0.08 | 18.00 | 0.21 | 2.00 | 0.08 | 60.00  | 0.54 | 2.00 | 0.08 |
| 74.00  | 0.65 | 1.50 | 0.08 | 19.00 | 0.22 | 2.00 | 0.08 | 61.00  | 0.55 | 2.00 | 0.08 |
| 75.00  | 0.65 | 1.50 | 0.08 | 19.50 | 0.22 | 2.00 | 0.08 | 62.00  | 0.55 | 2.00 | 0.08 |
| 76.00  | 0.66 | 1.50 | 0.08 | 20.00 | 0.22 | 2.00 | 0.08 | 63.00  | 0.56 | 2.00 | 0.08 |
| 77.00  | 0.67 | 1.50 | 0.08 | 21.00 | 0.23 | 2.00 | 0.08 | 64.00  | 0.58 | 2.00 | 0.08 |
| 78.00  | 0.67 | 1.50 | 0.08 | 22.00 | 0.24 | 2.00 | 0.08 | 64.50  | 0.58 | 2.00 | 0.08 |
| 79.00  | 0.68 | 1.50 | 0.08 | 23.00 | 0.24 | 2.00 | 0.08 | 65.00  | 0.58 | 2.00 | 0.08 |
| 80.00  | 0.69 | 1.50 | 0.08 | 23.50 | 0.24 | 2.00 | 0.08 | 66.00  | 0.59 | 2.00 | 0.08 |
| 81.00  | 0.69 | 1.50 | 0.08 | 24.00 | 0.24 | 2.00 | 0.08 | 67.00  | 0.59 | 2.00 | 0.08 |
| 82.00  | 0.70 | 1.50 | 0.08 | 24.50 | 0.25 | 2.00 | 0.08 | 68.00  | 0.61 | 2.00 | 0.08 |
| 83.00  | 0.71 | 1.50 | 0.08 | 25.00 | 0.25 | 2.00 | 0.08 | 69.00  | 0.61 | 2.00 | 0.08 |
| 84.00  | 0.72 | 1.50 | 0.08 | 26.00 | 0.26 | 2.00 | 0.08 | 69.50  | 0.61 | 2.00 | 0.08 |
| 85.00  | 0.72 | 1.50 | 0.08 | 27.00 | 0.26 | 2.00 | 0.08 | 70.00  | 0.62 | 2.00 | 0.08 |
| 86.00  | 0.73 | 1.50 | 0.08 | 28.00 | 0.28 | 2.00 | 0.08 | 71.00  | 0.63 | 2.00 | 0.08 |
| 87.00  | 0.74 | 1.50 | 0.08 | 29.00 | 0.29 | 2.00 | 0.08 | 72.00  | 0.63 | 2.00 | 0.08 |
| 88.00  | 0.74 | 1.50 | 0.08 | 29.50 | 0.29 | 2.00 | 0.08 | 73.00  | 0.64 | 2.00 | 0.08 |
| 89.00  | 0.75 | 1.50 | 0.08 | 30.00 | 0.29 | 2.00 | 0.08 | 74.00  | 0.65 | 2.00 | 0.08 |
| 90.00  | 0.76 | 1.50 | 0.08 | 31.00 | 0.31 | 2.00 | 0.08 | 75.00  | 0.65 | 2.00 | 0.08 |
| 91.00  | 0.76 | 1.50 | 0.08 | 32.00 | 0.32 | 2.00 | 0.08 | 76.00  | 0.66 | 2.00 | 0.08 |
| 92.00  | 0.77 | 1.50 | 0.08 | 33.00 | 0.32 | 2.00 | 0.08 | 77.00  | 0.67 | 2.00 | 0.08 |
| 93.00  | 0.78 | 1.50 | 0.08 | 33.50 | 0.32 | 2.00 | 0.08 | 78.00  | 0.67 | 2.00 | 0.08 |
| 94.00  | 0.78 | 1.50 | 0.08 | 34.00 | 0.33 | 2.00 | 0.08 | 79.00  | 0.68 | 2.00 | 0.08 |
| 95.00  | 0.79 | 1.50 | 0.08 | 35.00 | 0.34 | 2.00 | 0.08 | 80.00  | 0.69 | 2.00 | 0.08 |
| 96.00  | 0.80 | 1.50 | 0.08 | 36.00 | 0.35 | 2.00 | 0.08 | 81.00  | 0.69 | 2.00 | 0.08 |
| 97.00  | 0.80 | 1.50 | 0.08 | 36.50 | 0.35 | 2.00 | 0.08 | 82.00  | 0.70 | 2.00 | 0.08 |
| 98.00  | 0.81 | 1.50 | 0.08 | 37.00 | 0.36 | 2.00 | 0.08 | 83.00  | 0.71 | 2.00 | 0.08 |
| 99.00  | 0.82 | 1.50 | 0.08 | 37.50 | 0.36 | 2.00 | 0.08 | 84.00  | 0.72 | 2.00 | 0.08 |
| 100.00 | 0.82 | 1.50 | 0.08 | 38.00 | 0.36 | 2.00 | 0.08 | 85.00  | 0.72 | 2.00 | 0.08 |
|        |      |      |      | 38.50 | 0.37 | 2.00 | 0.08 | 86.00  | 0.73 | 2.00 | 0.08 |
|        |      |      |      | 39.00 | 0.37 | 2.00 | 0.08 | 87.00  | 0.74 | 2.00 | 0.08 |
| 2.00   | 0.13 | 2.00 | 0.08 | 40.00 | 0.38 | 2.00 | 0.08 | 88.00  | 0.74 | 2.00 | 0.08 |
| 3.00   | 0.14 | 2.00 | 0.08 | 41.00 | 0.39 | 2.00 | 0.08 | 89.00  | 0.75 | 2.00 | 0.08 |
| 3.50   | 0.14 | 2.00 | 0.08 | 42.00 | 0.40 | 2.00 | 0.08 | 90.00  | 0.76 | 2.00 | 0.08 |
| 4.00   | 0.14 | 2.00 | 0.08 | 43.00 | 0.40 | 2.00 | 0.08 | 91.00  | 0.76 | 2.00 | 0.08 |
| 4.50   | 0.14 | 2.00 | 0.08 | 44.00 | 0.41 | 2.00 | 0.08 | 92.00  | 0.77 | 2.00 | 0.08 |
| 5.00   | 0.15 | 2.00 | 0.08 | 45.00 | 0.42 | 2.00 | 0.08 | 93.00  | 0.78 | 2.00 | 0.08 |
| 6.00   | 0.15 | 2.00 | 0.08 | 46.00 | 0.43 | 2.00 | 0.08 | 94.00  | 0.78 | 2.00 | 0.08 |
| 6.50   | 0.16 | 2.00 | 0.08 | 47.00 | 0.44 | 2.00 | 0.08 | 95.00  | 0.79 | 2.00 | 0.08 |
| 7.00   | 0.16 | 2.00 | 0.08 | 48.00 | 0.44 | 2.00 | 0.08 | 96.00  | 0.80 | 2.00 | 0.08 |
| 8.00   | 0.16 | 2.00 | 0.08 | 49.00 | 0.45 | 2.00 | 0.08 | 97.00  | 0.80 | 2.00 | 0.08 |
| 9.00   | 0.17 | 2.00 | 0.08 | 50.00 | 0.46 | 2.00 | 0.08 | 98.00  | 0.81 | 2.00 | 0.08 |
| 9.50   | 0.17 | 2.00 | 0.08 | 51.00 | 0.47 | 2.00 | 0.08 | 99.00  | 0.82 | 2.00 | 0.08 |
| 10.00  | 0.17 | 2.00 | 0.08 | 52.00 | 0.47 | 2.00 | 0.08 | 100.00 | 0.82 | 2.00 | 0.08 |
| 11.00  | 0.18 | 2.00 | 0.08 | 53.00 | 0.48 | 2.00 | 0.08 | 105.00 | 0.86 | 2.00 | 0.08 |
| 11.50  | 0.19 | 2.00 | 0.08 | 54.00 | 0.50 | 2.00 | 0.08 | 109.00 | 0.89 | 2.00 | 0.08 |
| 12.00  | 0.19 | 2.00 | 0.08 | 55.00 | 0.50 | 2.00 | 0.08 |        |      |      |      |
| 12.50  | 0.19 | 2.00 | 0.08 | 55.50 | 0.51 | 2.00 | 0.08 |        |      |      |      |
| 13.00  | 0.19 | 2.00 | 0.08 |       |      |      |      |        |      |      |      |

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### MEASUREMENTS IN MILLIMETERS

| ID    | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|-------|------|------|------|--------|------|------|------|--------|------|------|------|
| 3.00  | 0.14 | 2.50 | 0.09 | 54.00  | 0.50 | 2.50 | 0.09 | 105.00 | 0.86 | 2.50 | 0.09 |
| 4.00  | 0.14 | 2.50 | 0.09 | 55.00  | 0.50 | 2.50 | 0.09 | 106.00 | 0.87 | 2.50 | 0.09 |
| 5.00  | 0.15 | 2.50 | 0.09 | 56.00  | 0.51 | 2.50 | 0.09 | 107.00 | 0.87 | 2.50 | 0.09 |
| 6.00  | 0.15 | 2.50 | 0.09 | 57.00  | 0.52 | 2.50 | 0.09 | 108.00 | 0.88 | 2.50 | 0.09 |
| 7.00  | 0.16 | 2.50 | 0.09 | 58.00  | 0.52 | 2.50 | 0.09 | 109.00 | 0.89 | 2.50 | 0.09 |
| 8.00  | 0.16 | 2.50 | 0.09 | 59.00  | 0.54 | 2.50 | 0.09 | 110.00 | 0.89 | 2.50 | 0.09 |
| 9.00  | 0.17 | 2.50 | 0.09 | 60.00  | 0.54 | 2.50 | 0.09 | 111.00 | 0.90 | 2.50 | 0.09 |
| 10.00 | 0.17 | 2.50 | 0.09 | 61.00  | 0.55 | 2.50 | 0.09 | 112.00 | 0.91 | 2.50 | 0.09 |
| 11.00 | 0.18 | 2.50 | 0.09 | 62.00  | 0.55 | 2.50 | 0.09 | 113.00 | 0.91 | 2.50 | 0.09 |
| 12.00 | 0.19 | 2.50 | 0.09 | 63.00  | 0.56 | 2.50 | 0.09 | 114.00 | 0.92 | 2.50 | 0.09 |
| 13.00 | 0.19 | 2.50 | 0.09 | 64.00  | 0.58 | 2.50 | 0.09 | 115.00 | 0.93 | 2.50 | 0.09 |
| 14.00 | 0.19 | 2.50 | 0.09 | 65.00  | 0.58 | 2.50 | 0.09 | 116.00 | 0.93 | 2.50 | 0.09 |
| 15.00 | 0.20 | 2.50 | 0.09 | 66.00  | 0.59 | 2.50 | 0.09 | 117.00 | 0.94 | 2.50 | 0.09 |
| 16.00 | 0.20 | 2.50 | 0.09 | 67.00  | 0.59 | 2.50 | 0.09 | 118.00 | 0.95 | 2.50 | 0.09 |
| 17.00 | 0.21 | 2.50 | 0.09 | 68.00  | 0.61 | 2.50 | 0.09 | 119.00 | 0.95 | 2.50 | 0.09 |
| 18.00 | 0.21 | 2.50 | 0.09 | 69.00  | 0.61 | 2.50 | 0.09 | 120.00 | 0.96 | 2.50 | 0.09 |
| 19.00 | 0.22 | 2.50 | 0.09 | 70.00  | 0.62 | 2.50 | 0.09 | 121.00 | 0.97 | 2.50 | 0.09 |
| 20.00 | 0.22 | 2.50 | 0.09 | 71.00  | 0.63 | 2.50 | 0.09 | 122.00 | 0.97 | 2.50 | 0.09 |
| 21.00 | 0.23 | 2.50 | 0.09 | 72.00  | 0.63 | 2.50 | 0.09 | 123.00 | 0.98 | 2.50 | 0.09 |
| 22.00 | 0.24 | 2.50 | 0.09 | 73.00  | 0.64 | 2.50 | 0.09 | 124.00 | 0.99 | 2.50 | 0.09 |
| 23.00 | 0.24 | 2.50 | 0.09 | 74.00  | 0.64 | 2.50 | 0.09 | 125.00 | 0.99 | 2.50 | 0.09 |
| 24.00 | 0.24 | 2.50 | 0.09 | 75.00  | 0.65 | 2.50 | 0.09 | 126.00 | 1.00 | 2.50 | 0.09 |
| 25.00 | 0.25 | 2.50 | 0.09 | 76.00  | 0.66 | 2.50 | 0.09 | 127.00 | 1.01 | 2.50 | 0.09 |
| 26.00 | 0.26 | 2.50 | 0.09 | 77.00  | 0.67 | 2.50 | 0.09 | 128.00 | 1.01 | 2.50 | 0.09 |
| 27.00 | 0.26 | 2.50 | 0.09 | 78.00  | 0.67 | 2.50 | 0.09 | 129.00 | 1.02 | 2.50 | 0.09 |
| 28.00 | 0.28 | 2.50 | 0.09 | 79.00  | 0.68 | 2.50 | 0.09 | 130.00 | 1.03 | 2.50 | 0.09 |
| 29.00 | 0.29 | 2.50 | 0.09 | 80.00  | 0.69 | 2.50 | 0.09 | 131.00 | 1.03 | 2.50 | 0.09 |
| 30.00 | 0.29 | 2.50 | 0.09 | 81.00  | 0.69 | 2.50 | 0.09 | 132.00 | 1.04 | 2.50 | 0.09 |
| 31.00 | 0.31 | 2.50 | 0.09 | 82.00  | 0.70 | 2.50 | 0.09 | 133.00 | 1.05 | 2.50 | 0.09 |
| 32.00 | 0.32 | 2.50 | 0.09 | 83.00  | 0.71 | 2.50 | 0.09 | 134.00 | 1.00 | 2.50 | 0.09 |
| 33.00 | 0.32 | 2.50 | 0.09 | 84.00  | 0.72 | 2.50 | 0.09 | 135.00 | 1.06 | 2.50 | 0.09 |
| 34.00 | 0.33 | 2.50 | 0.09 | 85.00  | 0.72 | 2.50 | 0.09 | 136.00 | 1.07 | 2.50 | 0.09 |
| 35.00 | 0.34 | 2.50 | 0.09 | 86.00  | 0.73 | 2.50 | 0.09 | 137.00 | 1.07 | 2.50 | 0.09 |
| 36.00 | 0.35 | 2.50 | 0.09 | 87.00  | 0.74 | 2.50 | 0.09 | 138.00 | 1.08 | 2.50 | 0.09 |
| 37.00 | 0.36 | 2.50 | 0.09 | 88.00  | 0.74 | 2.50 | 0.09 | 139.00 | 1.09 | 2.50 | 0.09 |
| 38.00 | 0.36 | 2.50 | 0.09 | 89.00  | 0.75 | 2.50 | 0.09 | 140.00 | 1.09 | 2.50 | 0.09 |
| 39.00 | 0.37 | 2.50 | 0.09 | 90.00  | 0.76 | 2.50 | 0.09 | 141.00 | 1.10 | 2.50 | 0.09 |
| 40.00 | 0.38 | 2.50 | 0.09 | 91.00  | 0.76 | 2.50 | 0.09 | 142.00 | 1.11 | 2.50 | 0.09 |
| 41.00 | 0.39 | 2.50 | 0.09 | 92.00  | 0.77 | 2.50 | 0.09 | 143.00 | 1.11 | 2.50 | 0.09 |
| 42.00 | 0.40 | 2.50 | 0.09 | 93.00  | 0.78 | 2.50 | 0.09 | 144.00 | 1.12 | 2.50 | 0.09 |
| 43.00 | 0.40 | 2.50 | 0.09 | 94.00  | 0.78 | 2.50 | 0.09 | 145.00 | 1.13 | 2.50 | 0.09 |
| 44.00 | 0.41 | 2.50 | 0.09 | 95.00  | 0.79 | 2.50 | 0.09 | 146.00 | 1.13 | 2.50 | 0.09 |
| 45.00 | 0.42 | 2.50 | 0.09 | 96.00  | 0.80 | 2.50 | 0.09 | 147.00 | 1.14 | 2.50 | 0.09 |
| 46.00 | 0.43 | 2.50 | 0.09 | 97.00  | 0.80 | 2.50 | 0.09 | 148.00 | 1.15 | 2.50 | 0.09 |
| 47.00 | 0.44 | 2.50 | 0.09 | 98.00  | 0.81 | 2.50 | 0.09 | 149.00 | 1.15 | 2.50 | 0.09 |
| 48.00 | 0.44 | 2.50 | 0.09 | 99.00  | 0.82 | 2.50 | 0.09 | 150.00 | 1.16 | 2.50 | 0.09 |
| 49.00 | 0.45 | 2.50 | 0.09 | 100.00 | 0.82 | 2.50 | 0.09 | 162.00 | 1.24 | 2.50 | 0.09 |
| 50.00 | 0.46 | 2.50 | 0.09 | 101.00 | 0.83 | 2.50 | 0.09 |        |      |      |      |
| 51.00 | 0.47 | 2.50 | 0.09 | 102.00 | 0.84 | 2.50 | 0.09 |        |      |      |      |
| 52.00 | 0.47 | 2.50 | 0.09 | 103.00 | 0.85 | 2.50 | 0.09 |        |      |      |      |
| 53.00 | 0.48 | 2.50 | 0.09 | 104.00 | 0.85 | 2.50 | 0.09 |        |      |      |      |

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID    | ±    | CS   | ±    | ID    | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|-------|------|------|------|-------|------|------|------|--------|------|------|------|
| 3.00  | 0.14 | 3.00 | 0.09 | 45.00 | 0.42 | 3.00 | 0.09 | 95.00  | 0.79 | 3.00 | 0.09 |
| 4.00  | 0.14 | 3.00 | 0.09 | 46.00 | 0.43 | 3.00 | 0.09 | 96.00  | 0.80 | 3.00 | 0.09 |
| 5.00  | 0.15 | 3.00 | 0.09 | 47.00 | 0.44 | 3.00 | 0.09 | 97.00  | 0.80 | 3.00 | 0.09 |
| 6.00  | 0.15 | 3.00 | 0.09 | 48.00 | 0.44 | 3.00 | 0.09 | 98.00  | 0.81 | 3.00 | 0.09 |
| 7.00  | 0.16 | 3.00 | 0.09 | 49.00 | 0.45 | 3.00 | 0.09 | 98.50  | 0.81 | 3.00 | 0.09 |
| 8.00  | 0.16 | 3.00 | 0.09 | 50.00 | 0.46 | 3.00 | 0.09 | 99.00  | 0.82 | 3.00 | 0.09 |
| 9.00  | 0.17 | 3.00 | 0.09 | 51.00 | 0.47 | 3.00 | 0.09 | 100.00 | 0.82 | 3.00 | 0.09 |
| 9.50  | 0.17 | 3.00 | 0.09 | 52.00 | 0.47 | 3.00 | 0.09 | 101.00 | 0.83 | 3.00 | 0.09 |
| 10.00 | 0.17 | 3.00 | 0.09 | 53.00 | 0.48 | 3.00 | 0.09 | 102.00 | 0.84 | 3.00 | 0.09 |
| 11.00 | 0.18 | 3.00 | 0.09 | 54.00 | 0.50 | 3.00 | 0.09 | 103.00 | 0.85 | 3.00 | 0.09 |
| 12.00 | 0.19 | 3.00 | 0.09 | 55.00 | 0.50 | 3.00 | 0.09 | 104.00 | 0.85 | 3.00 | 0.09 |
| 13.00 | 0.19 | 3.00 | 0.09 | 56.00 | 0.51 | 3.00 | 0.09 | 105.00 | 0.86 | 3.00 | 0.09 |
| 13.50 | 0.19 | 3.00 | 0.09 | 57.00 | 0.52 | 3.00 | 0.09 | 106.00 | 0.87 | 3.00 | 0.09 |
| 14.00 | 0.19 | 3.00 | 0.09 | 58.00 | 0.52 | 3.00 | 0.09 | 107.00 | 0.87 | 3.00 | 0.09 |
| 15.00 | 0.20 | 3.00 | 0.09 | 59.00 | 0.54 | 3.00 | 0.09 | 108.00 | 0.88 | 3.00 | 0.09 |
| 15.50 | 0.20 | 3.00 | 0.09 | 60.00 | 0.54 | 3.00 | 0.09 | 109.00 | 0.89 | 3.00 | 0.09 |
| 16.00 | 0.20 | 3.00 | 0.09 | 61.00 | 0.55 | 3.00 | 0.09 | 110.00 | 0.89 | 3.00 | 0.09 |
| 17.00 | 0.21 | 3.00 | 0.09 | 62.00 | 0.55 | 3.00 | 0.09 | 111.00 | 0.90 | 3.00 | 0.09 |
| 17.50 | 0.21 | 3.00 | 0.09 | 63.00 | 0.56 | 3.00 | 0.09 | 112.00 | 0.91 | 3.00 | 0.09 |
| 18.00 | 0.21 | 3.00 | 0.09 | 64.00 | 0.58 | 3.00 | 0.09 | 113.00 | 0.91 | 3.00 | 0.09 |
| 19.00 | 0.22 | 3.00 | 0.09 | 65.00 | 0.58 | 3.00 | 0.09 | 114.00 | 0.92 | 3.00 | 0.09 |
| 20.00 | 0.22 | 3.00 | 0.09 | 66.00 | 0.59 | 3.00 | 0.09 | 115.00 | 0.93 | 3.00 | 0.09 |
| 21.00 | 0.23 | 3.00 | 0.09 | 67.00 | 0.59 | 3.00 | 0.09 | 116.00 | 0.93 | 3.00 | 0.09 |
| 22.00 | 0.24 | 3.00 | 0.09 | 68.00 | 0.61 | 3.00 | 0.09 | 117.00 | 0.94 | 3.00 | 0.09 |
| 23.00 | 0.24 | 3.00 | 0.09 | 69.00 | 0.61 | 3.00 | 0.09 | 118.00 | 0.95 | 3.00 | 0.09 |
| 24.00 | 0.24 | 3.00 | 0.09 | 70.00 | 0.62 | 3.00 | 0.09 | 119.00 | 0.95 | 3.00 | 0.09 |
| 25.00 | 0.25 | 3.00 | 0.09 | 71.00 | 0.63 | 3.00 | 0.09 | 120.00 | 0.96 | 3.00 | 0.09 |
| 26.00 | 0.26 | 3.00 | 0.09 | 72.00 | 0.63 | 3.00 | 0.09 | 121.00 | 0.97 | 3.00 | 0.09 |
| 27.00 | 0.26 | 3.00 | 0.09 | 73.00 | 0.64 | 3.00 | 0.09 | 122.00 | 0.97 | 3.00 | 0.09 |
| 28.00 | 0.28 | 3.00 | 0.09 | 74.00 | 0.65 | 3.00 | 0.09 | 123.00 | 0.98 | 3.00 | 0.09 |
| 28.50 | 0.28 | 3.00 | 0.09 | 75.00 | 0.65 | 3.00 | 0.09 | 124.00 | 0.99 | 3.00 | 0.09 |
| 29.00 | 0.29 | 3.00 | 0.09 | 76.00 | 0.66 | 3.00 | 0.09 | 125.00 | 0.99 | 3.00 | 0.09 |
| 29.50 | 0.29 | 3.00 | 0.09 | 77.00 | 0.67 | 3.00 | 0.09 | 126.00 | 1.00 | 3.00 | 0.09 |
| 30.00 | 0.29 | 3.00 | 0.09 | 78.00 | 0.67 | 3.00 | 0.09 | 127.00 | 1.01 | 3.00 | 0.09 |
| 31.00 | 0.31 | 3.00 | 0.09 | 79.00 | 0.68 | 3.00 | 0.09 | 128.00 | 1.01 | 3.00 | 0.09 |
| 32.00 | 0.32 | 3.00 | 0.09 | 80.00 | 0.69 | 3.00 | 0.09 | 129.00 | 1.02 | 3.00 | 0.09 |
| 33.00 | 0.32 | 3.00 | 0.09 | 81.00 | 0.69 | 3.00 | 0.09 | 130.00 | 1.03 | 3.00 | 0.09 |
| 34.00 | 0.33 | 3.00 | 0.09 | 82.00 | 0.70 | 3.00 | 0.09 | 131.00 | 1.03 | 3.00 | 0.09 |
| 35.00 | 0.34 | 3.00 | 0.09 | 83.00 | 0.71 | 3.00 | 0.09 | 132.00 | 1.04 | 3.00 | 0.09 |
| 36.00 | 0.35 | 3.00 | 0.09 | 84.00 | 0.72 | 3.00 | 0.09 | 133.00 | 1.05 | 3.00 | 0.09 |
| 36.50 | 0.35 | 3.00 | 0.09 | 85.00 | 0.72 | 3.00 | 0.09 | 134.00 | 1.05 | 3.00 | 0.09 |
| 37.00 | 0.36 | 3.00 | 0.09 | 86.00 | 0.73 | 3.00 | 0.09 | 135.00 | 1.06 | 3.00 | 0.09 |
| 37.50 | 0.36 | 3.00 | 0.09 | 87.00 | 0.74 | 3.00 | 0.09 | 136.00 | 1.07 | 3.00 | 0.09 |
| 38.00 | 0.36 | 3.00 | 0.09 | 88.00 | 0.74 | 3.00 | 0.09 | 137.00 | 1.07 | 3.00 | 0.09 |
| 39.00 | 0.37 | 3.00 | 0.09 | 89.00 | 0.75 | 3.00 | 0.09 | 138.00 | 1.08 | 3.00 | 0.09 |
| 40.00 | 0.38 | 3.00 | 0.09 | 90.00 | 0.76 | 3.00 | 0.09 | 139.00 | 1.09 | 3.00 | 0.09 |
| 41.00 | 0.39 | 3.00 | 0.09 | 91.00 | 0.76 | 3.00 | 0.09 | 140.00 | 1.09 | 3.00 | 0.09 |
| 42.00 | 0.40 | 3.00 | 0.09 | 92.00 | 0.77 | 3.00 | 0.09 | 141.00 | 1.10 | 3.00 | 0.09 |
| 42.50 | 0.40 | 3.00 | 0.09 | 93.00 | 0.78 | 3.00 | 0.09 | 142.00 | 1.11 | 3.00 | 0.09 |
| 43.00 | 0.40 | 3.00 | 0.09 | 94.00 | 0.78 | 3.00 | 0.09 | 143.00 | 1.11 | 3.00 | 0.09 |
| 44.00 | 0.41 | 3.00 | 0.09 | 94.50 | 0.79 | 3.00 | 0.09 | 144.00 | 1.12 | 3.00 | 0.09 |

# O-Ring Standard Size (Metric)

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|--------|------|------|------|--------|------|------|------|--------|------|------|------|
| 145.00 | 1.13 | 3.00 | 0.09 | 196.00 | 1.46 | 3.00 | 0.09 | 247.00 | 1.80 | 3.00 | 0.09 |
| 146.00 | 1.13 | 3.00 | 0.09 | 197.00 | 1.47 | 3.00 | 0.09 | 248.00 | 1.80 | 3.00 | 0.09 |
| 147.00 | 1.14 | 3.00 | 0.09 | 198.00 | 1.48 | 3.00 | 0.09 | 249.00 | 1.81 | 3.00 | 0.09 |
| 148.00 | 1.15 | 3.00 | 0.09 | 199.00 | 1.48 | 3.00 | 0.09 | 250.00 | 1.82 | 3.00 | 0.09 |
| 149.00 | 1.15 | 3.00 | 0.09 | 200.00 | 1.49 | 3.00 | 0.09 | 260.00 | 1.88 | 3.00 | 0.09 |
| 150.00 | 1.16 | 3.00 | 0.09 | 201.00 | 1.50 | 3.00 | 0.09 | 270.00 | 1.95 | 3.00 | 0.09 |
| 151.00 | 1.17 | 3.00 | 0.09 | 202.00 | 1.50 | 3.00 | 0.09 | 280.00 | 2.01 | 3.00 | 0.09 |
| 152.00 | 1.17 | 3.00 | 0.09 | 203.00 | 1.51 | 3.00 | 0.09 | 285.00 | 2.04 | 3.00 | 0.09 |
| 153.00 | 1.18 | 3.00 | 0.09 | 204.00 | 1.52 | 3.00 | 0.09 | 290.00 | 2.08 | 3.00 | 0.09 |
| 154.00 | 1.19 | 3.00 | 0.09 | 205.00 | 1.52 | 3.00 | 0.09 | 310.00 | 2.20 | 3.00 | 0.09 |
| 155.00 | 1.19 | 3.00 | 0.09 | 206.00 | 1.53 | 3.00 | 0.09 |        |      |      |      |
| 156.00 | 1.20 | 3.00 | 0.09 | 207.00 | 1.54 | 3.00 | 0.09 | 4.00   | 0.14 | 4.00 | 0.10 |
| 157.00 | 1.21 | 3.00 | 0.09 | 208.00 | 1.54 | 3.00 | 0.09 | 5.00   | 0.15 | 4.00 | 0.10 |
| 158.00 | 1.21 | 3.00 | 0.09 | 209.00 | 1.55 | 3.00 | 0.09 | 6.00   | 0.15 | 4.00 | 0.10 |
| 159.00 | 1.22 | 3.00 | 0.09 | 210.00 | 1.56 | 3.00 | 0.09 | 7.00   | 0.16 | 4.00 | 0.10 |
| 160.00 | 1.23 | 3.00 | 0.09 | 211.00 | 1.56 | 3.00 | 0.09 | 8.00   | 0.16 | 4.00 | 0.10 |
| 161.00 | 1.23 | 3.00 | 0.09 | 212.00 | 1.57 | 3.00 | 0.09 | 9.00   | 0.17 | 4.00 | 0.10 |
| 162.00 | 1.24 | 3.00 | 0.09 | 213.00 | 1.58 | 3.00 | 0.09 | 10.00  | 0.17 | 4.00 | 0.10 |
| 163.00 | 1.25 | 3.00 | 0.09 | 214.00 | 1.58 | 3.00 | 0.09 | 11.00  | 0.18 | 4.00 | 0.10 |
| 164.00 | 1.25 | 3.00 | 0.09 | 215.00 | 1.59 | 3.00 | 0.09 | 12.00  | 0.19 | 4.00 | 0.10 |
| 165.00 | 1.26 | 3.00 | 0.09 | 216.00 | 1.60 | 3.00 | 0.09 | 13.00  | 0.19 | 4.00 | 0.10 |
| 166.00 | 1.27 | 3.00 | 0.09 | 217.00 | 1.60 | 3.00 | 0.09 | 14.00  | 0.19 | 4.00 | 0.10 |
| 167.00 | 1.27 | 3.00 | 0.09 | 218.00 | 1.61 | 3.00 | 0.09 | 15.00  | 0.20 | 4.00 | 0.10 |
| 168.00 | 1.28 | 3.00 | 0.09 | 219.00 | 1.62 | 3.00 | 0.09 | 16.00  | 0.20 | 4.00 | 0.10 |
| 169.00 | 1.29 | 3.00 | 0.09 | 220.00 | 1.62 | 3.00 | 0.09 | 17.00  | 0.21 | 4.00 | 0.10 |
| 170.00 | 1.29 | 3.00 | 0.09 | 221.00 | 1.63 | 3.00 | 0.09 | 18.00  | 0.21 | 4.00 | 0.10 |
| 171.00 | 1.30 | 3.00 | 0.09 | 222.00 | 1.64 | 3.00 | 0.09 | 19.00  | 0.22 | 4.00 | 0.10 |
| 172.00 | 1.31 | 3.00 | 0.09 | 223.00 | 1.64 | 3.00 | 0.09 | 20.00  | 0.22 | 4.00 | 0.10 |
| 173.00 | 1.31 | 3.00 | 0.09 | 224.00 | 1.65 | 3.00 | 0.09 | 21.00  | 0.23 | 4.00 | 0.10 |
| 174.00 | 1.32 | 3.00 | 0.09 | 225.00 | 1.65 | 3.00 | 0.09 | 22.00  | 0.24 | 4.00 | 0.10 |
| 175.00 | 1.33 | 3.00 | 0.09 | 226.00 | 1.66 | 3.00 | 0.09 | 23.00  | 0.24 | 4.00 | 0.10 |
| 176.00 | 1.33 | 3.00 | 0.09 | 227.00 | 1.67 | 3.00 | 0.09 | 24.00  | 0.24 | 4.00 | 0.10 |
| 177.00 | 1.34 | 3.00 | 0.09 | 228.00 | 1.67 | 3.00 | 0.09 | 25.00  | 0.25 | 4.00 | 0.10 |
| 178.00 | 1.35 | 3.00 | 0.09 | 229.00 | 1.68 | 3.00 | 0.09 | 26.00  | 0.26 | 4.00 | 0.10 |
| 179.00 | 1.35 | 3.00 | 0.09 | 230.00 | 1.69 | 3.00 | 0.09 | 27.00  | 0.26 | 4.00 | 0.10 |
| 180.00 | 1.36 | 3.00 | 0.09 | 231.00 | 1.69 | 3.00 | 0.09 | 28.00  | 0.28 | 4.00 | 0.10 |
| 181.00 | 1.37 | 3.00 | 0.09 | 232.00 | 1.70 | 3.00 | 0.09 | 29.00  | 0.29 | 4.00 | 0.10 |
| 182.00 | 1.37 | 3.00 | 0.09 | 233.00 | 1.71 | 3.00 | 0.09 | 30.00  | 0.29 | 4.00 | 0.10 |
| 183.00 | 1.38 | 3.00 | 0.09 | 234.00 | 1.71 | 3.00 | 0.09 | 31.00  | 0.31 | 4.00 | 0.10 |
| 184.00 | 1.39 | 3.00 | 0.09 | 235.00 | 1.72 | 3.00 | 0.09 | 32.00  | 0.32 | 4.00 | 0.10 |
| 185.00 | 1.39 | 3.00 | 0.09 | 236.00 | 1.73 | 3.00 | 0.09 | 33.00  | 0.32 | 4.00 | 0.10 |
| 186.00 | 1.40 | 3.00 | 0.09 | 237.00 | 1.73 | 3.00 | 0.09 | 34.00  | 0.33 | 4.00 | 0.10 |
| 187.00 | 1.41 | 3.00 | 0.09 | 238.00 | 1.74 | 3.00 | 0.09 | 35.00  | 0.34 | 4.00 | 0.10 |
| 188.00 | 1.41 | 3.00 | 0.09 | 239.00 | 1.75 | 3.00 | 0.09 | 36.00  | 0.35 | 4.00 | 0.10 |
| 189.00 | 1.42 | 3.00 | 0.09 | 240.00 | 1.75 | 3.00 | 0.09 | 37.00  | 0.36 | 4.00 | 0.10 |
| 190.00 | 1.43 | 3.00 | 0.09 | 241.00 | 1.76 | 3.00 | 0.09 | 38.00  | 0.36 | 4.00 | 0.10 |
| 191.00 | 1.43 | 3.00 | 0.09 | 242.00 | 1.77 | 3.00 | 0.09 | 39.00  | 0.37 | 4.00 | 0.10 |
| 192.00 | 1.44 | 3.00 | 0.09 | 243.00 | 1.77 | 3.00 | 0.09 | 40.00  | 0.38 | 4.00 | 0.10 |
| 193.00 | 1.45 | 3.00 | 0.09 | 244.00 | 1.78 | 3.00 | 0.09 | 41.00  | 0.39 | 4.00 | 0.10 |
| 194.00 | 1.45 | 3.00 | 0.09 | 245.00 | 1.78 | 3.00 | 0.09 | 42.00  | 0.40 | 4.00 | 0.10 |
| 195.00 | 1.46 | 3.00 | 0.09 | 246.00 | 1.79 | 3.00 | 0.09 | 43.00  | 0.40 | 4.00 | 0.10 |

O-Ring Standard Size (Metric)

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID    | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|-------|------|------|------|--------|------|------|------|--------|------|------|------|
| 44.00 | 0.41 | 4.00 | 0.10 | 95.00  | 0.79 | 4.00 | 0.10 | 145.00 | 1.13 | 4.00 | 0.10 |
| 45.00 | 0.42 | 4.00 | 0.10 | 96.00  | 0.80 | 4.00 | 0.10 | 146.00 | 1.13 | 4.00 | 0.10 |
| 46.00 | 0.43 | 4.00 | 0.10 | 97.00  | 0.80 | 4.00 | 0.10 | 147.00 | 1.14 | 4.00 | 0.10 |
| 47.00 | 0.44 | 4.00 | 0.10 | 98.00  | 0.81 | 4.00 | 0.10 | 148.00 | 1.15 | 4.00 | 0.10 |
| 48.00 | 0.44 | 4.00 | 0.10 | 99.00  | 0.82 | 4.00 | 0.10 | 149.00 | 1.15 | 4.00 | 0.10 |
| 49.00 | 0.45 | 4.00 | 0.10 | 100.00 | 0.82 | 4.00 | 0.10 | 150.00 | 1.16 | 4.00 | 0.10 |
| 50.00 | 0.46 | 4.00 | 0.10 | 101.00 | 0.83 | 4.00 | 0.10 | 151.00 | 1.17 | 4.00 | 0.10 |
| 51.00 | 0.47 | 4.00 | 0.10 | 102.00 | 0.84 | 4.00 | 0.10 | 152.00 | 1.17 | 4.00 | 0.10 |
| 52.00 | 0.47 | 4.00 | 0.10 | 103.00 | 0.85 | 4.00 | 0.10 | 153.00 | 1.18 | 4.00 | 0.10 |
| 53.00 | 0.48 | 4.00 | 0.10 | 104.00 | 0.85 | 4.00 | 0.10 | 154.00 | 1.19 | 4.00 | 0.10 |
| 54.00 | 0.50 | 4.00 | 0.10 | 105.00 | 0.86 | 4.00 | 0.10 | 155.00 | 1.19 | 4.00 | 0.10 |
| 55.00 | 0.50 | 4.00 | 0.10 | 106.00 | 0.87 | 4.00 | 0.10 | 156.00 | 1.20 | 4.00 | 0.10 |
| 56.00 | 0.51 | 4.00 | 0.10 | 107.00 | 0.87 | 4.00 | 0.10 | 157.00 | 1.21 | 4.00 | 0.10 |
| 57.00 | 0.52 | 4.00 | 0.10 | 108.00 | 0.88 | 4.00 | 0.10 | 158.00 | 1.21 | 4.00 | 0.10 |
| 58.00 | 0.52 | 4.00 | 0.10 | 109.00 | 0.89 | 4.00 | 0.10 | 159.00 | 1.22 | 4.00 | 0.10 |
| 59.00 | 0.54 | 4.00 | 0.10 | 110.00 | 0.89 | 4.00 | 0.10 | 160.00 | 1.23 | 4.00 | 0.10 |
| 60.00 | 0.54 | 4.00 | 0.10 | 111.00 | 0.90 | 4.00 | 0.10 | 161.00 | 1.23 | 4.00 | 0.10 |
| 61.00 | 0.55 | 4.00 | 0.10 | 112.00 | 0.91 | 4.00 | 0.10 | 162.00 | 1.24 | 4.00 | 0.10 |
| 62.00 | 0.55 | 4.00 | 0.10 | 113.00 | 0.91 | 4.00 | 0.10 | 163.00 | 1.25 | 4.00 | 0.10 |
| 63.00 | 0.56 | 4.00 | 0.10 | 114.00 | 0.92 | 4.00 | 0.10 | 164.00 | 1.25 | 4.00 | 0.10 |
| 64.00 | 0.58 | 4.00 | 0.10 | 115.00 | 0.93 | 4.00 | 0.10 | 165.00 | 1.26 | 4.00 | 0.10 |
| 65.00 | 0.58 | 4.00 | 0.10 | 116.00 | 0.93 | 4.00 | 0.10 | 166.00 | 1.27 | 4.00 | 0.10 |
| 66.00 | 0.59 | 4.00 | 0.10 | 117.00 | 0.94 | 4.00 | 0.10 | 167.00 | 1.27 | 4.00 | 0.10 |
| 67.00 | 0.59 | 4.00 | 0.10 | 118.00 | 0.95 | 4.00 | 0.10 | 168.00 | 1.28 | 4.00 | 0.10 |
| 68.00 | 0.61 | 4.00 | 0.10 | 119.00 | 0.95 | 4.00 | 0.10 | 169.00 | 1.29 | 4.00 | 0.10 |
| 69.00 | 0.61 | 4.00 | 0.10 | 120.00 | 0.96 | 4.00 | 0.10 | 170.00 | 1.29 | 4.00 | 0.10 |
| 70.00 | 0.62 | 4.00 | 0.10 | 121.00 | 0.97 | 4.00 | 0.10 | 171.00 | 1.30 | 4.00 | 0.10 |
| 71.00 | 0.63 | 4.00 | 0.10 | 122.00 | 0.97 | 4.00 | 0.10 | 172.00 | 1.31 | 4.00 | 0.10 |
| 72.00 | 0.63 | 4.00 | 0.10 | 123.00 | 0.98 | 4.00 | 0.10 | 173.00 | 1.31 | 4.00 | 0.10 |
| 73.00 | 0.64 | 4.00 | 0.10 | 124.00 | 0.99 | 4.00 | 0.10 | 174.00 | 1.32 | 4.00 | 0.10 |
| 74.00 | 0.65 | 4.00 | 0.10 | 125.00 | 0.99 | 4.00 | 0.10 | 175.00 | 1.33 | 4.00 | 0.10 |
| 75.00 | 0.65 | 4.00 | 0.10 | 126.00 | 1.00 | 4.00 | 0.10 | 176.00 | 1.33 | 4.00 | 0.10 |
| 76.00 | 0.66 | 4.00 | 0.10 | 127.00 | 1.01 | 4.00 | 0.10 | 177.00 | 1.34 | 4.00 | 0.10 |
| 77.00 | 0.67 | 4.00 | 0.10 | 128.00 | 1.01 | 4.00 | 0.10 | 178.00 | 1.35 | 4.00 | 0.10 |
| 78.00 | 0.67 | 4.00 | 0.10 | 129.00 | 1.02 | 4.00 | 0.10 | 179.00 | 1.35 | 4.00 | 0.10 |
| 79.00 | 0.68 | 4.00 | 0.10 | 130.00 | 1.03 | 4.00 | 0.10 | 180.00 | 1.36 | 4.00 | 0.10 |
| 80.00 | 0.69 | 4.00 | 0.10 | 131.00 | 1.03 | 4.00 | 0.10 | 181.00 | 1.37 | 4.00 | 0.10 |
| 81.00 | 0.69 | 4.00 | 0.10 | 132.00 | 1.04 | 4.00 | 0.10 | 182.00 | 1.37 | 4.00 | 0.10 |
| 82.00 | 0.70 | 4.00 | 0.10 | 133.00 | 1.05 | 4.00 | 0.10 | 183.00 | 1.38 | 4.00 | 0.10 |
| 83.00 | 0.71 | 4.00 | 0.10 | 134.00 | 1.05 | 4.00 | 0.10 | 184.00 | 1.39 | 4.00 | 0.10 |
| 84.00 | 0.72 | 4.00 | 0.10 | 135.00 | 1.06 | 4.00 | 0.10 | 185.00 | 1.39 | 4.00 | 0.10 |
| 85.00 | 0.72 | 4.00 | 0.10 | 136.00 | 1.07 | 4.00 | 0.10 | 186.00 | 1.40 | 4.00 | 0.10 |
| 86.00 | 0.73 | 4.00 | 0.10 | 137.00 | 1.07 | 4.00 | 0.10 | 187.00 | 1.41 | 4.00 | 0.10 |
| 87.00 | 0.74 | 4.00 | 0.10 | 138.00 | 1.08 | 4.00 | 0.10 | 188.00 | 1.41 | 4.00 | 0.10 |
| 88.00 | 0.74 | 4.00 | 0.10 | 139.00 | 1.09 | 4.00 | 0.10 | 189.00 | 1.42 | 4.00 | 0.10 |
| 89.00 | 0.75 | 4.00 | 0.10 | 140.00 | 1.09 | 4.00 | 0.10 | 190.00 | 1.43 | 4.00 | 0.10 |
| 90.00 | 0.76 | 4.00 | 0.10 | 140.50 | 1.10 | 4.00 | 0.10 | 191.00 | 1.43 | 4.00 | 0.10 |
| 91.00 | 0.76 | 4.00 | 0.10 | 141.00 | 1.10 | 4.00 | 0.10 | 192.00 | 1.44 | 4.00 | 0.10 |
| 92.00 | 0.77 | 4.00 | 0.10 | 142.00 | 1.11 | 4.00 | 0.10 | 193.00 | 1.45 | 4.00 | 0.10 |
| 93.00 | 0.78 | 4.00 | 0.10 | 143.00 | 1.11 | 4.00 | 0.10 | 194.00 | 1.45 | 4.00 | 0.10 |
| 94.00 | 0.78 | 4.00 | 0.10 | 144.00 | 1.12 | 4.00 | 0.10 | 195.00 | 1.46 | 4.00 | 0.10 |

# O-Ring Standard Size (Metric)

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|--------|------|------|------|--------|------|------|------|--------|------|------|------|
| 196.00 | 1.46 | 4.00 | 0.10 | 247.00 | 1.80 | 4.00 | 0.10 | 298.00 | 2.13 | 4.00 | 0.10 |
| 197.00 | 1.47 | 4.00 | 0.10 | 248.00 | 1.80 | 4.00 | 0.10 | 299.00 | 2.13 | 4.00 | 0.10 |
| 198.00 | 1.48 | 4.00 | 0.10 | 249.00 | 1.81 | 4.00 | 0.10 | 300.00 | 2.14 | 4.00 | 0.10 |
| 199.00 | 1.48 | 4.00 | 0.10 | 250.00 | 1.82 | 4.00 | 0.10 | 301.00 | 2.15 | 4.00 | 0.10 |
| 200.00 | 1.49 | 4.00 | 0.10 | 251.00 | 1.82 | 4.00 | 0.10 | 302.00 | 2.15 | 4.00 | 0.10 |
| 201.00 | 1.50 | 4.00 | 0.10 | 252.00 | 1.83 | 4.00 | 0.10 | 303.00 | 2.16 | 4.00 | 0.10 |
| 202.00 | 1.50 | 4.00 | 0.10 | 253.00 | 1.84 | 4.00 | 0.10 | 304.00 | 2.17 | 4.00 | 0.10 |
| 203.00 | 1.51 | 4.00 | 0.10 | 254.00 | 1.84 | 4.00 | 0.10 | 305.00 | 2.17 | 4.00 | 0.10 |
| 204.00 | 1.52 | 4.00 | 0.10 | 255.00 | 1.85 | 4.00 | 0.10 | 306.00 | 2.18 | 4.00 | 0.10 |
| 205.00 | 1.52 | 4.00 | 0.10 | 256.00 | 1.86 | 4.00 | 0.10 | 307.00 | 2.19 | 4.00 | 0.10 |
| 206.00 | 1.53 | 4.00 | 0.10 | 257.00 | 1.86 | 4.00 | 0.10 | 308.00 | 2.19 | 4.00 | 0.10 |
| 207.00 | 1.54 | 4.00 | 0.10 | 258.00 | 1.87 | 4.00 | 0.10 | 309.00 | 2.20 | 4.00 | 0.10 |
| 208.00 | 1.54 | 4.00 | 0.10 | 259.00 | 1.88 | 4.00 | 0.10 | 310.00 | 2.20 | 4.00 | 0.10 |
| 209.00 | 1.55 | 4.00 | 0.10 | 260.00 | 1.88 | 4.00 | 0.10 | 311.00 | 2.21 | 4.00 | 0.10 |
| 210.00 | 1.56 | 4.00 | 0.10 | 261.00 | 1.89 | 4.00 | 0.10 | 312.00 | 2.22 | 4.00 | 0.10 |
| 211.00 | 1.56 | 4.00 | 0.10 | 262.00 | 1.89 | 4.00 | 0.10 | 313.00 | 2.22 | 4.00 | 0.10 |
| 212.00 | 1.57 | 4.00 | 0.10 | 263.00 | 1.90 | 4.00 | 0.10 | 314.00 | 2.23 | 4.00 | 0.10 |
| 213.00 | 1.58 | 4.00 | 0.10 | 264.00 | 1.91 | 4.00 | 0.10 | 315.00 | 2.24 | 4.00 | 0.10 |
| 214.00 | 1.58 | 4.00 | 0.10 | 265.00 | 1.91 | 4.00 | 0.10 | 316.00 | 2.24 | 4.00 | 0.10 |
| 215.00 | 1.59 | 4.00 | 0.10 | 266.00 | 1.92 | 4.00 | 0.10 | 317.00 | 2.25 | 4.00 | 0.10 |
| 216.00 | 1.60 | 4.00 | 0.10 | 267.00 | 1.93 | 4.00 | 0.10 | 318.00 | 2.26 | 4.00 | 0.10 |
| 217.00 | 1.60 | 4.00 | 0.10 | 268.00 | 1.93 | 4.00 | 0.10 | 319.00 | 2.26 | 4.00 | 0.10 |
| 218.00 | 1.61 | 4.00 | 0.10 | 269.00 | 1.94 | 4.00 | 0.10 | 320.00 | 2.27 | 4.00 | 0.10 |
| 219.00 | 1.62 | 4.00 | 0.10 | 270.00 | 1.95 | 4.00 | 0.10 | 321.00 | 2.27 | 4.00 | 0.10 |
| 220.00 | 1.62 | 4.00 | 0.10 | 271.00 | 1.95 | 4.00 | 0.10 | 322.00 | 2.28 | 4.00 | 0.10 |
| 221.00 | 1.63 | 4.00 | 0.10 | 272.00 | 1.96 | 4.00 | 0.10 | 323.00 | 2.29 | 4.00 | 0.10 |
| 222.00 | 1.64 | 4.00 | 0.10 | 273.00 | 1.97 | 4.00 | 0.10 | 324.00 | 2.29 | 4.00 | 0.10 |
| 223.00 | 1.64 | 4.00 | 0.10 | 274.00 | 1.97 | 4.00 | 0.10 | 325.00 | 2.30 | 4.00 | 0.10 |
| 224.00 | 1.65 | 4.00 | 0.10 | 275.00 | 1.98 | 4.00 | 0.10 | 326.00 | 2.31 | 4.00 | 0.10 |
| 225.00 | 1.65 | 4.00 | 0.10 | 276.00 | 1.99 | 4.00 | 0.10 | 327.00 | 2.31 | 4.00 | 0.10 |
| 226.00 | 1.66 | 4.00 | 0.10 | 277.00 | 1.99 | 4.00 | 0.10 | 328.00 | 2.32 | 4.00 | 0.10 |
| 227.00 | 1.67 | 4.00 | 0.10 | 278.00 | 2.00 | 4.00 | 0.10 | 329.00 | 2.33 | 4.00 | 0.10 |
| 228.00 | 1.67 | 4.00 | 0.10 | 279.00 | 2.00 | 4.00 | 0.10 | 330.00 | 2.33 | 4.00 | 0.10 |
| 229.00 | 1.68 | 4.00 | 0.10 | 280.00 | 2.01 | 4.00 | 0.10 | 331.00 | 2.34 | 4.00 | 0.10 |
| 230.00 | 1.69 | 4.00 | 0.10 | 281.00 | 2.02 | 4.00 | 0.10 | 332.00 | 2.35 | 4.00 | 0.10 |
| 231.00 | 1.69 | 4.00 | 0.10 | 282.00 | 2.02 | 4.00 | 0.10 | 333.00 | 2.35 | 4.00 | 0.10 |
| 232.00 | 1.70 | 4.00 | 0.10 | 283.00 | 2.03 | 4.00 | 0.10 | 334.00 | 2.36 | 4.00 | 0.10 |
| 233.00 | 1.71 | 4.00 | 0.10 | 284.00 | 2.04 | 4.00 | 0.10 | 335.00 | 2.36 | 4.00 | 0.10 |
| 234.00 | 1.71 | 4.00 | 0.10 | 285.00 | 2.04 | 4.00 | 0.10 | 336.00 | 2.37 | 4.00 | 0.10 |
| 235.00 | 1.72 | 4.00 | 0.10 | 286.00 | 2.05 | 4.00 | 0.10 | 337.00 | 2.38 | 4.00 | 0.10 |
| 236.00 | 1.73 | 4.00 | 0.10 | 287.00 | 2.06 | 4.00 | 0.10 | 338.00 | 2.38 | 4.00 | 0.10 |
| 237.00 | 1.73 | 4.00 | 0.10 | 288.00 | 2.06 | 4.00 | 0.10 | 339.00 | 2.39 | 4.00 | 0.10 |
| 238.00 | 1.74 | 4.00 | 0.10 | 289.00 | 2.07 | 4.00 | 0.10 | 340.00 | 2.40 | 4.00 | 0.10 |
| 239.00 | 1.75 | 4.00 | 0.10 | 290.00 | 2.08 | 4.00 | 0.10 | 341.00 | 2.40 | 4.00 | 0.10 |
| 240.00 | 1.75 | 4.00 | 0.10 | 291.00 | 2.08 | 4.00 | 0.10 | 342.00 | 2.41 | 4.00 | 0.10 |
| 241.00 | 1.76 | 4.00 | 0.10 | 292.00 | 2.09 | 4.00 | 0.10 | 343.00 | 2.42 | 4.00 | 0.10 |
| 242.00 | 1.77 | 4.00 | 0.10 | 293.00 | 2.10 | 4.00 | 0.10 | 344.00 | 2.42 | 4.00 | 0.10 |
| 243.00 | 1.77 | 4.00 | 0.10 | 294.00 | 2.10 | 4.00 | 0.10 | 345.00 | 2.43 | 4.00 | 0.10 |
| 244.00 | 1.78 | 4.00 | 0.10 | 295.00 | 2.11 | 4.00 | 0.10 | 346.00 | 2.43 | 4.00 | 0.10 |
| 245.00 | 1.78 | 4.00 | 0.10 | 296.00 | 2.11 | 4.00 | 0.10 | 347.00 | 2.44 | 4.00 | 0.10 |
| 246.00 | 1.79 | 4.00 | 0.10 | 297.00 | 2.12 | 4.00 | 0.10 | 348.00 | 2.45 | 4.00 | 0.10 |



## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|--------|------|------|------|--------|------|------|------|--------|------|------|------|
| 349.00 | 2.45 | 4.00 | 0.10 | 401.00 | 2.78 | 4.00 | 0.10 | 453.00 | 3.11 | 4.00 | 0.10 |
| 350.00 | 2.46 | 4.00 | 0.10 | 402.00 | 2.79 | 4.00 | 0.10 | 454.00 | 3.12 | 4.00 | 0.10 |
| 351.00 | 2.47 | 4.00 | 0.10 | 403.00 | 2.80 | 4.00 | 0.10 | 455.00 | 3.13 | 4.00 | 0.10 |
| 352.00 | 2.47 | 4.00 | 0.10 | 404.00 | 2.80 | 4.00 | 0.10 | 456.00 | 3.13 | 4.00 | 0.10 |
| 353.00 | 2.48 | 4.00 | 0.10 | 405.00 | 2.81 | 4.00 | 0.10 | 457.00 | 3.14 | 4.00 | 0.10 |
| 354.00 | 2.49 | 4.00 | 0.10 | 406.00 | 2.82 | 4.00 | 0.10 | 458.00 | 3.14 | 4.00 | 0.10 |
| 355.00 | 2.49 | 4.00 | 0.10 | 407.00 | 2.82 | 4.00 | 0.10 | 459.00 | 3.15 | 4.00 | 0.10 |
| 356.00 | 2.50 | 4.00 | 0.10 | 408.00 | 2.83 | 4.00 | 0.10 | 460.00 | 3.16 | 4.00 | 0.10 |
| 357.00 | 2.50 | 4.00 | 0.10 | 409.00 | 2.84 | 4.00 | 0.10 | 461.00 | 3.16 | 4.00 | 0.10 |
| 358.00 | 2.51 | 4.00 | 0.10 | 410.00 | 2.84 | 4.00 | 0.10 | 462.00 | 3.17 | 4.00 | 0.10 |
| 359.00 | 2.52 | 4.00 | 0.10 | 411.00 | 2.85 | 4.00 | 0.10 | 463.00 | 3.18 | 4.00 | 0.10 |
| 360.00 | 2.52 | 4.00 | 0.10 | 412.00 | 2.85 | 4.00 | 0.10 | 464.00 | 3.18 | 4.00 | 0.10 |
| 361.00 | 2.53 | 4.00 | 0.10 | 413.00 | 2.86 | 4.00 | 0.10 | 465.00 | 3.19 | 4.00 | 0.10 |
| 362.00 | 2.54 | 4.00 | 0.10 | 414.00 | 2.87 | 4.00 | 0.10 | 466.00 | 3.19 | 4.00 | 0.10 |
| 363.00 | 2.54 | 4.00 | 0.10 | 415.00 | 2.87 | 4.00 | 0.10 | 467.00 | 3.20 | 4.00 | 0.10 |
| 364.00 | 2.55 | 4.00 | 0.10 | 416.00 | 2.88 | 4.00 | 0.10 | 468.00 | 3.21 | 4.00 | 0.10 |
| 365.00 | 2.56 | 4.00 | 0.10 | 417.00 | 2.89 | 4.00 | 0.10 | 469.00 | 3.21 | 4.00 | 0.10 |
| 366.00 | 2.56 | 4.00 | 0.10 | 418.00 | 2.89 | 4.00 | 0.10 | 470.00 | 3.22 | 4.00 | 0.10 |
| 367.00 | 2.57 | 4.00 | 0.10 | 419.00 | 2.90 | 4.00 | 0.10 | 471.00 | 3.23 | 4.00 | 0.10 |
| 368.00 | 2.57 | 4.00 | 0.10 | 420.00 | 2.90 | 4.00 | 0.10 | 472.00 | 3.23 | 4.00 | 0.10 |
| 369.00 | 2.58 | 4.00 | 0.10 | 421.00 | 2.91 | 4.00 | 0.10 | 473.00 | 3.24 | 4.00 | 0.10 |
| 370.00 | 2.59 | 4.00 | 0.10 | 422.00 | 2.92 | 4.00 | 0.10 | 474.00 | 3.24 | 4.00 | 0.10 |
| 371.00 | 2.59 | 4.00 | 0.10 | 423.00 | 2.92 | 4.00 | 0.10 | 475.00 | 3.25 | 4.00 | 0.10 |
| 372.00 | 2.60 | 4.00 | 0.10 | 424.00 | 2.93 | 4.00 | 0.10 | 476.00 | 3.26 | 4.00 | 0.10 |
| 373.00 | 2.61 | 4.00 | 0.10 | 425.00 | 2.94 | 4.00 | 0.10 | 477.00 | 3.26 | 4.00 | 0.10 |
| 374.00 | 2.61 | 4.00 | 0.10 | 426.00 | 2.94 | 4.00 | 0.10 | 478.00 | 3.27 | 4.00 | 0.10 |
| 375.00 | 2.62 | 4.00 | 0.10 | 427.00 | 2.95 | 4.00 | 0.10 | 479.00 | 3.28 | 4.00 | 0.10 |
| 376.00 | 2.63 | 4.00 | 0.10 | 428.00 | 2.96 | 4.00 | 0.10 | 480.00 | 3.28 | 4.00 | 0.10 |
| 377.00 | 2.63 | 4.00 | 0.10 | 429.00 | 2.96 | 4.00 | 0.10 | 481.00 | 3.29 | 4.00 | 0.10 |
| 378.00 | 2.64 | 4.00 | 0.10 | 430.00 | 2.97 | 4.00 | 0.10 | 482.00 | 3.30 | 4.00 | 0.10 |
| 379.00 | 2.64 | 4.00 | 0.10 | 431.00 | 2.97 | 4.00 | 0.10 | 483.00 | 3.30 | 4.00 | 0.10 |
| 380.00 | 2.65 | 4.00 | 0.10 | 432.00 | 2.98 | 4.00 | 0.10 | 484.00 | 3.31 | 4.00 | 0.10 |
| 381.00 | 2.66 | 4.00 | 0.10 | 433.00 | 2.99 | 4.00 | 0.10 | 485.00 | 3.31 | 4.00 | 0.10 |
| 382.00 | 2.66 | 4.00 | 0.10 | 434.00 | 2.99 | 4.00 | 0.10 | 486.00 | 3.32 | 4.00 | 0.10 |
| 383.00 | 2.67 | 4.00 | 0.10 | 435.00 | 3.00 | 4.00 | 0.10 | 487.00 | 3.33 | 4.00 | 0.10 |
| 384.00 | 2.68 | 4.00 | 0.10 | 436.00 | 3.01 | 4.00 | 0.10 | 488.00 | 3.33 | 4.00 | 0.10 |
| 385.00 | 2.68 | 4.00 | 0.10 | 437.00 | 3.01 | 4.00 | 0.10 | 489.00 | 3.34 | 4.00 | 0.10 |
| 386.00 | 2.69 | 4.00 | 0.10 | 438.00 | 3.02 | 4.00 | 0.10 | 490.00 | 3.35 | 4.00 | 0.10 |
| 387.00 | 2.70 | 4.00 | 0.10 | 439.00 | 3.02 | 4.00 | 0.10 | 491.00 | 3.35 | 4.00 | 0.10 |
| 388.00 | 2.70 | 4.00 | 0.10 | 440.00 | 3.03 | 4.00 | 0.10 | 492.00 | 3.36 | 4.00 | 0.10 |
| 389.00 | 2.71 | 4.00 | 0.10 | 441.00 | 3.04 | 4.00 | 0.10 | 493.00 | 3.36 | 4.00 | 0.10 |
| 390.00 | 2.71 | 4.00 | 0.10 | 442.00 | 3.04 | 4.00 | 0.10 | 494.00 | 3.37 | 4.00 | 0.10 |
| 391.00 | 2.72 | 4.00 | 0.10 | 443.00 | 3.05 | 4.00 | 0.10 | 495.00 | 3.38 | 4.00 | 0.10 |
| 392.00 | 2.73 | 4.00 | 0.10 | 444.00 | 3.06 | 4.00 | 0.10 | 496.00 | 3.38 | 4.00 | 0.10 |
| 393.00 | 2.73 | 4.00 | 0.10 | 445.00 | 3.06 | 4.00 | 0.10 | 497.00 | 3.39 | 4.00 | 0.10 |
| 394.00 | 2.74 | 4.00 | 0.10 | 446.00 | 3.07 | 4.00 | 0.10 | 498.00 | 3.40 | 4.00 | 0.10 |
| 395.00 | 2.75 | 4.00 | 0.10 | 447.00 | 3.08 | 4.00 | 0.10 | 499.00 | 3.40 | 4.00 | 0.10 |
| 396.00 | 2.75 | 4.00 | 0.10 | 448.00 | 3.08 | 4.00 | 0.10 | 500.00 | 3.41 | 4.00 | 0.10 |
| 397.00 | 2.76 | 4.00 | 0.10 | 449.00 | 3.09 | 4.00 | 0.10 | 525.00 | 3.56 | 4.00 | 0.10 |
| 398.00 | 2.77 | 4.00 | 0.10 | 450.00 | 3.09 | 4.00 | 0.10 | 530.00 | 3.60 | 4.00 | 0.10 |
| 399.00 | 2.77 | 4.00 | 0.10 | 451.00 | 3.10 | 4.00 | 0.10 | 540.00 | 3.66 | 4.00 | 0.10 |
| 400.00 | 2.78 | 4.00 | 0.10 | 452.00 | 3.11 | 4.00 | 0.10 | 550.00 | 3.72 | 4.00 | 0.10 |
|        |      |      |      |        |      |      |      | 560.00 | 3.78 | 4.00 | 0.10 |

O-Ring Standard Size (Metric)



# O-Ring Standard Size (Metric)

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID    | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|-------|------|------|------|--------|------|------|------|--------|------|------|------|
| 4.00  | 0.14 | 5.00 | 0.13 | 61.00  | 0.55 | 5.00 | 0.13 | 118.00 | 0.95 | 5.00 | 0.13 |
| 5.00  | 0.15 | 5.00 | 0.13 | 62.00  | 0.55 | 5.00 | 0.13 | 119.00 | 0.95 | 5.00 | 0.13 |
| 6.00  | 0.15 | 5.00 | 0.13 | 63.00  | 0.56 | 5.00 | 0.13 | 120.00 | 0.96 | 5.00 | 0.13 |
| 7.00  | 0.16 | 5.00 | 0.13 | 64.00  | 0.58 | 5.00 | 0.13 | 121.00 | 0.97 | 5.00 | 0.13 |
| 8.00  | 0.16 | 5.00 | 0.13 | 65.00  | 0.58 | 5.00 | 0.13 | 122.00 | 0.97 | 5.00 | 0.13 |
| 9.00  | 0.17 | 5.00 | 0.13 | 66.00  | 0.59 | 5.00 | 0.13 | 123.00 | 0.98 | 5.00 | 0.13 |
| 10.00 | 0.17 | 5.00 | 0.13 | 67.00  | 0.59 | 5.00 | 0.13 | 124.00 | 0.99 | 5.00 | 0.13 |
| 11.00 | 0.18 | 5.00 | 0.13 | 68.00  | 0.61 | 5.00 | 0.13 | 125.00 | 0.99 | 5.00 | 0.13 |
| 12.00 | 0.19 | 5.00 | 0.13 | 69.00  | 0.61 | 5.00 | 0.13 | 126.00 | 1.00 | 5.00 | 0.13 |
| 13.00 | 0.19 | 5.00 | 0.13 | 70.00  | 0.62 | 5.00 | 0.13 | 127.00 | 1.01 | 5.00 | 0.13 |
| 14.00 | 0.19 | 5.00 | 0.13 | 71.00  | 0.63 | 5.00 | 0.13 | 128.00 | 1.01 | 5.00 | 0.13 |
| 15.00 | 0.20 | 5.00 | 0.13 | 72.00  | 0.63 | 5.00 | 0.13 | 129.00 | 1.02 | 5.00 | 0.13 |
| 16.00 | 0.20 | 5.00 | 0.13 | 73.00  | 0.64 | 5.00 | 0.13 | 130.00 | 1.03 | 5.00 | 0.13 |
| 17.00 | 0.21 | 5.00 | 0.13 | 74.00  | 0.65 | 5.00 | 0.13 | 131.00 | 1.03 | 5.00 | 0.13 |
| 18.00 | 0.21 | 5.00 | 0.13 | 75.00  | 0.65 | 5.00 | 0.13 | 132.00 | 1.04 | 5.00 | 0.13 |
| 19.00 | 0.22 | 5.00 | 0.13 | 76.00  | 0.66 | 5.00 | 0.13 | 133.00 | 1.05 | 5.00 | 0.13 |
| 20.00 | 0.22 | 5.00 | 0.13 | 77.00  | 0.67 | 5.00 | 0.13 | 134.00 | 1.05 | 5.00 | 0.13 |
| 21.00 | 0.23 | 5.00 | 0.13 | 78.00  | 0.67 | 5.00 | 0.13 | 135.00 | 1.06 | 5.00 | 0.13 |
| 22.00 | 0.24 | 5.00 | 0.13 | 79.00  | 0.68 | 5.00 | 0.13 | 136.00 | 1.07 | 5.00 | 0.13 |
| 23.00 | 0.24 | 5.00 | 0.13 | 80.00  | 0.69 | 5.00 | 0.13 | 137.00 | 1.07 | 5.00 | 0.13 |
| 24.00 | 0.24 | 5.00 | 0.13 | 81.00  | 0.69 | 5.00 | 0.13 | 138.00 | 1.08 | 5.00 | 0.13 |
| 25.00 | 0.25 | 5.00 | 0.13 | 82.00  | 0.70 | 5.00 | 0.13 | 139.00 | 1.09 | 5.00 | 0.13 |
| 26.00 | 0.26 | 5.00 | 0.13 | 83.00  | 0.71 | 5.00 | 0.13 | 140.00 | 1.09 | 5.00 | 0.13 |
| 27.00 | 0.26 | 5.00 | 0.13 | 84.00  | 0.72 | 5.00 | 0.13 | 141.00 | 1.10 | 5.00 | 0.13 |
| 28.00 | 0.28 | 5.00 | 0.13 | 85.00  | 0.72 | 5.00 | 0.13 | 142.00 | 1.11 | 5.00 | 0.13 |
| 29.00 | 0.29 | 5.00 | 0.13 | 86.00  | 0.73 | 5.00 | 0.13 | 143.00 | 1.11 | 5.00 | 0.13 |
| 30.00 | 0.29 | 5.00 | 0.13 | 87.00  | 0.74 | 5.00 | 0.13 | 144.00 | 1.12 | 5.00 | 0.13 |
| 31.00 | 0.31 | 5.00 | 0.13 | 88.00  | 0.74 | 5.00 | 0.13 | 145.00 | 1.13 | 5.00 | 0.13 |
| 32.00 | 0.32 | 5.00 | 0.13 | 89.00  | 0.75 | 5.00 | 0.13 | 146.00 | 1.13 | 5.00 | 0.13 |
| 33.00 | 0.32 | 5.00 | 0.13 | 90.00  | 0.76 | 5.00 | 0.13 | 147.00 | 1.14 | 5.00 | 0.13 |
| 34.00 | 0.33 | 5.00 | 0.13 | 91.00  | 0.76 | 5.00 | 0.13 | 148.00 | 1.15 | 5.00 | 0.13 |
| 35.00 | 0.34 | 5.00 | 0.13 | 92.00  | 0.77 | 5.00 | 0.13 | 149.00 | 1.15 | 5.00 | 0.13 |
| 36.00 | 0.35 | 5.00 | 0.13 | 93.00  | 0.78 | 5.00 | 0.13 | 150.00 | 1.16 | 5.00 | 0.13 |
| 37.00 | 0.36 | 5.00 | 0.13 | 94.00  | 0.78 | 5.00 | 0.13 | 151.00 | 1.17 | 5.00 | 0.13 |
| 38.00 | 0.36 | 5.00 | 0.13 | 95.00  | 0.79 | 5.00 | 0.13 | 152.00 | 1.17 | 5.00 | 0.13 |
| 39.00 | 0.37 | 5.00 | 0.13 | 96.00  | 0.80 | 5.00 | 0.13 | 153.00 | 1.18 | 5.00 | 0.13 |
| 40.00 | 0.38 | 5.00 | 0.13 | 97.00  | 0.80 | 5.00 | 0.13 | 154.00 | 1.19 | 5.00 | 0.13 |
| 41.00 | 0.39 | 5.00 | 0.13 | 98.00  | 0.81 | 5.00 | 0.13 | 155.00 | 1.19 | 5.00 | 0.13 |
| 42.00 | 0.40 | 5.00 | 0.13 | 99.00  | 0.82 | 5.00 | 0.13 | 156.00 | 1.20 | 5.00 | 0.13 |
| 43.00 | 0.40 | 5.00 | 0.13 | 100.00 | 0.82 | 5.00 | 0.13 | 157.00 | 1.21 | 5.00 | 0.13 |
| 44.00 | 0.41 | 5.00 | 0.13 | 101.00 | 0.83 | 5.00 | 0.13 | 158.00 | 1.21 | 5.00 | 0.13 |
| 45.00 | 0.42 | 5.00 | 0.13 | 102.00 | 0.84 | 5.00 | 0.13 | 159.00 | 1.22 | 5.00 | 0.13 |
| 46.00 | 0.43 | 5.00 | 0.13 | 103.00 | 0.85 | 5.00 | 0.13 | 160.00 | 1.23 | 5.00 | 0.13 |
| 47.00 | 0.44 | 5.00 | 0.13 | 104.00 | 0.85 | 5.00 | 0.13 | 161.00 | 1.23 | 5.00 | 0.13 |
| 48.00 | 0.44 | 5.00 | 0.13 | 105.00 | 0.86 | 5.00 | 0.13 | 162.00 | 1.24 | 5.00 | 0.13 |
| 49.00 | 0.45 | 5.00 | 0.13 | 106.00 | 0.87 | 5.00 | 0.13 | 163.00 | 1.25 | 5.00 | 0.13 |
| 50.00 | 0.46 | 5.00 | 0.13 | 107.00 | 0.87 | 5.00 | 0.13 | 164.00 | 1.25 | 5.00 | 0.13 |
| 51.00 | 0.47 | 5.00 | 0.13 | 108.00 | 0.88 | 5.00 | 0.13 | 165.00 | 1.26 | 5.00 | 0.13 |
| 52.00 | 0.47 | 5.00 | 0.13 | 109.00 | 0.89 | 5.00 | 0.13 | 166.00 | 1.27 | 5.00 | 0.13 |
| 53.00 | 0.48 | 5.00 | 0.13 | 110.00 | 0.89 | 5.00 | 0.13 | 167.00 | 1.27 | 5.00 | 0.13 |
| 54.00 | 0.50 | 5.00 | 0.13 | 111.00 | 0.90 | 5.00 | 0.13 | 168.00 | 1.28 | 5.00 | 0.13 |
| 55.00 | 0.50 | 5.00 | 0.13 | 112.00 | 0.91 | 5.00 | 0.13 | 169.00 | 1.29 | 5.00 | 0.13 |
| 56.00 | 0.51 | 5.00 | 0.13 | 113.00 | 0.91 | 5.00 | 0.13 | 170.00 | 1.29 | 5.00 | 0.13 |
| 57.00 | 0.52 | 5.00 | 0.13 | 114.00 | 0.92 | 5.00 | 0.13 | 171.00 | 1.30 | 5.00 | 0.13 |
| 58.00 | 0.52 | 5.00 | 0.13 | 115.00 | 0.93 | 5.00 | 0.13 | 172.00 | 1.31 | 5.00 | 0.13 |
| 59.00 | 0.54 | 5.00 | 0.13 | 116.00 | 0.93 | 5.00 | 0.13 | 173.00 | 1.31 | 5.00 | 0.13 |
| 60.00 | 0.54 | 5.00 | 0.13 | 117.00 | 0.94 | 5.00 | 0.13 | 174.00 | 1.32 | 5.00 | 0.13 |

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|--------|------|------|------|--------|------|------|------|--------|------|------|------|
| 175.00 | 1.33 | 5.00 | 0.13 | 232.00 | 1.70 | 5.00 | 0.13 | 289.00 | 2.07 | 5.00 | 0.13 |
| 176.00 | 1.33 | 5.00 | 0.13 | 233.00 | 1.71 | 5.00 | 0.13 | 290.00 | 2.08 | 5.00 | 0.13 |
| 177.00 | 1.34 | 5.00 | 0.13 | 234.00 | 1.71 | 5.00 | 0.13 | 291.00 | 2.08 | 5.00 | 0.13 |
| 178.00 | 1.35 | 5.00 | 0.13 | 235.00 | 1.72 | 5.00 | 0.13 | 292.00 | 2.09 | 5.00 | 0.13 |
| 179.00 | 1.35 | 5.00 | 0.13 | 236.00 | 1.73 | 5.00 | 0.13 | 293.00 | 2.10 | 5.00 | 0.13 |
| 180.00 | 1.36 | 5.00 | 0.13 | 237.00 | 1.73 | 5.00 | 0.13 | 294.00 | 2.10 | 5.00 | 0.13 |
| 181.00 | 1.37 | 5.00 | 0.13 | 238.00 | 1.74 | 5.00 | 0.13 | 295.00 | 2.11 | 5.00 | 0.13 |
| 182.00 | 1.37 | 5.00 | 0.13 | 239.00 | 1.75 | 5.00 | 0.13 | 296.00 | 2.11 | 5.00 | 0.13 |
| 183.00 | 1.38 | 5.00 | 0.13 | 240.00 | 1.75 | 5.00 | 0.13 | 297.00 | 2.12 | 5.00 | 0.13 |
| 184.00 | 1.39 | 5.00 | 0.13 | 241.00 | 1.76 | 5.00 | 0.13 | 298.00 | 2.13 | 5.00 | 0.13 |
| 185.00 | 1.39 | 5.00 | 0.13 | 242.00 | 1.77 | 5.00 | 0.13 | 299.00 | 2.13 | 5.00 | 0.13 |
| 186.00 | 1.40 | 5.00 | 0.13 | 243.00 | 1.77 | 5.00 | 0.13 | 300.00 | 2.14 | 5.00 | 0.13 |
| 187.00 | 1.41 | 5.00 | 0.13 | 244.00 | 1.78 | 5.00 | 0.13 | 301.00 | 2.15 | 5.00 | 0.13 |
| 188.00 | 1.41 | 5.00 | 0.13 | 245.00 | 1.78 | 5.00 | 0.13 | 302.00 | 2.15 | 5.00 | 0.13 |
| 189.00 | 1.42 | 5.00 | 0.13 | 246.00 | 1.79 | 5.00 | 0.13 | 303.00 | 2.16 | 5.00 | 0.13 |
| 190.00 | 1.43 | 5.00 | 0.13 | 247.00 | 1.80 | 5.00 | 0.13 | 304.00 | 2.17 | 5.00 | 0.13 |
| 191.00 | 1.43 | 5.00 | 0.13 | 248.00 | 1.80 | 5.00 | 0.13 | 305.00 | 2.17 | 5.00 | 0.13 |
| 192.00 | 1.44 | 5.00 | 0.13 | 249.00 | 1.81 | 5.00 | 0.13 | 306.00 | 2.18 | 5.00 | 0.13 |
| 193.00 | 1.45 | 5.00 | 0.13 | 250.00 | 1.82 | 5.00 | 0.13 | 307.00 | 2.19 | 5.00 | 0.13 |
| 194.00 | 1.45 | 5.00 | 0.13 | 251.00 | 1.82 | 5.00 | 0.13 | 308.00 | 2.19 | 5.00 | 0.13 |
| 195.00 | 1.46 | 5.00 | 0.13 | 252.00 | 1.83 | 5.00 | 0.13 | 309.00 | 2.20 | 5.00 | 0.13 |
| 196.00 | 1.46 | 5.00 | 0.13 | 253.00 | 1.84 | 5.00 | 0.13 | 310.00 | 2.20 | 5.00 | 0.13 |
| 197.00 | 1.47 | 5.00 | 0.13 | 254.00 | 1.84 | 5.00 | 0.13 | 311.00 | 2.21 | 5.00 | 0.13 |
| 198.00 | 1.48 | 5.00 | 0.13 | 255.00 | 1.85 | 5.00 | 0.13 | 312.00 | 2.22 | 5.00 | 0.13 |
| 199.00 | 1.48 | 5.00 | 0.13 | 256.00 | 1.86 | 5.00 | 0.13 | 313.00 | 2.22 | 5.00 | 0.13 |
| 200.00 | 1.49 | 5.00 | 0.13 | 257.00 | 1.86 | 5.00 | 0.13 | 314.00 | 2.23 | 5.00 | 0.13 |
| 201.00 | 1.50 | 5.00 | 0.13 | 258.00 | 1.87 | 5.00 | 0.13 | 315.00 | 2.24 | 5.00 | 0.13 |
| 202.00 | 1.50 | 5.00 | 0.13 | 259.00 | 1.88 | 5.00 | 0.13 | 316.00 | 2.24 | 5.00 | 0.13 |
| 203.00 | 1.51 | 5.00 | 0.13 | 260.00 | 1.88 | 5.00 | 0.13 | 317.00 | 2.25 | 5.00 | 0.13 |
| 204.00 | 1.52 | 5.00 | 0.13 | 261.00 | 1.89 | 5.00 | 0.13 | 318.00 | 2.26 | 5.00 | 0.13 |
| 205.00 | 1.52 | 5.00 | 0.13 | 262.00 | 1.89 | 5.00 | 0.13 | 319.00 | 2.26 | 5.00 | 0.13 |
| 206.00 | 1.53 | 5.00 | 0.13 | 263.00 | 1.90 | 5.00 | 0.13 | 320.00 | 2.27 | 5.00 | 0.13 |
| 207.00 | 1.54 | 5.00 | 0.13 | 264.00 | 1.91 | 5.00 | 0.13 | 321.00 | 2.27 | 5.00 | 0.13 |
| 208.00 | 1.54 | 5.00 | 0.13 | 265.00 | 1.91 | 5.00 | 0.13 | 322.00 | 2.28 | 5.00 | 0.13 |
| 209.00 | 1.55 | 5.00 | 0.13 | 266.00 | 1.92 | 5.00 | 0.13 | 323.00 | 2.29 | 5.00 | 0.13 |
| 210.00 | 1.56 | 5.00 | 0.13 | 267.00 | 1.93 | 5.00 | 0.13 | 324.00 | 2.29 | 5.00 | 0.13 |
| 211.00 | 1.56 | 5.00 | 0.13 | 268.00 | 1.93 | 5.00 | 0.13 | 325.00 | 2.30 | 5.00 | 0.13 |
| 212.00 | 1.57 | 5.00 | 0.13 | 269.00 | 1.94 | 5.00 | 0.13 | 326.00 | 2.31 | 5.00 | 0.13 |
| 213.00 | 1.58 | 5.00 | 0.13 | 270.00 | 1.95 | 5.00 | 0.13 | 327.00 | 2.31 | 5.00 | 0.13 |
| 214.00 | 1.58 | 5.00 | 0.13 | 271.00 | 1.95 | 5.00 | 0.13 | 328.00 | 2.32 | 5.00 | 0.13 |
| 215.00 | 1.59 | 5.00 | 0.13 | 272.00 | 1.96 | 5.00 | 0.13 | 329.00 | 2.33 | 5.00 | 0.13 |
| 216.00 | 1.60 | 5.00 | 0.13 | 273.00 | 1.97 | 5.00 | 0.13 | 330.00 | 2.33 | 5.00 | 0.13 |
| 217.00 | 1.60 | 5.00 | 0.13 | 274.00 | 1.97 | 5.00 | 0.13 | 331.00 | 2.34 | 5.00 | 0.13 |
| 218.00 | 1.61 | 5.00 | 0.13 | 275.00 | 1.98 | 5.00 | 0.13 | 332.00 | 2.35 | 5.00 | 0.13 |
| 219.00 | 1.62 | 5.00 | 0.13 | 276.00 | 1.99 | 5.00 | 0.13 | 333.00 | 2.35 | 5.00 | 0.13 |
| 220.00 | 1.62 | 5.00 | 0.13 | 277.00 | 1.99 | 5.00 | 0.13 | 334.00 | 2.36 | 5.00 | 0.13 |
| 221.00 | 1.63 | 5.00 | 0.13 | 278.00 | 2.00 | 5.00 | 0.13 | 335.00 | 2.36 | 5.00 | 0.13 |
| 222.00 | 1.64 | 5.00 | 0.13 | 279.00 | 2.00 | 5.00 | 0.13 | 336.00 | 2.37 | 5.00 | 0.13 |
| 223.00 | 1.64 | 5.00 | 0.13 | 280.00 | 2.01 | 5.00 | 0.13 | 337.00 | 2.38 | 5.00 | 0.13 |
| 224.00 | 1.65 | 5.00 | 0.13 | 281.00 | 2.02 | 5.00 | 0.13 | 338.00 | 2.38 | 5.00 | 0.13 |
| 225.00 | 1.65 | 5.00 | 0.13 | 282.00 | 2.02 | 5.00 | 0.13 | 339.00 | 2.39 | 5.00 | 0.13 |
| 226.00 | 1.66 | 5.00 | 0.13 | 283.00 | 2.03 | 5.00 | 0.13 | 340.00 | 2.40 | 5.00 | 0.13 |
| 227.00 | 1.67 | 5.00 | 0.13 | 284.00 | 2.04 | 5.00 | 0.13 | 341.00 | 2.40 | 5.00 | 0.13 |
| 228.00 | 1.67 | 5.00 | 0.13 | 285.00 | 2.04 | 5.00 | 0.13 | 342.00 | 2.41 | 5.00 | 0.13 |
| 229.00 | 1.68 | 5.00 | 0.13 | 286.00 | 2.05 | 5.00 | 0.13 | 343.00 | 2.42 | 5.00 | 0.13 |
| 230.00 | 1.69 | 5.00 | 0.13 | 287.00 | 2.06 | 5.00 | 0.13 | 344.00 | 2.42 | 5.00 | 0.13 |
| 231.00 | 1.69 | 5.00 | 0.13 | 288.00 | 2.06 | 5.00 | 0.13 | 345.00 | 2.43 | 5.00 | 0.13 |

O-Ring Standard Size (Metric)

# O-Ring Standard Size (Metric)

## O-Ring Standard Size (Metric)

### MEASUREMENTS IN MILLIMETERS

| ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    | ID     | ±    | CS   | ±    |
|--------|------|------|------|--------|------|------|------|--------|------|------|------|
| 346.00 | 2.43 | 5.00 | 0.13 | 415.00 | 2.87 | 5.00 | 0.13 | 115.00 | 0.93 | 6.00 | 0.15 |
| 347.00 | 2.44 | 5.00 | 0.13 | 420.00 | 2.90 | 5.00 | 0.13 | 120.00 | 0.96 | 6.00 | 0.15 |
| 348.00 | 2.45 | 5.00 | 0.13 | 425.00 | 2.94 | 5.00 | 0.13 | 125.00 | 0.99 | 6.00 | 0.15 |
| 349.00 | 2.45 | 5.00 | 0.13 | 430.00 | 2.97 | 5.00 | 0.13 | 130.00 | 1.03 | 6.00 | 0.15 |
| 350.00 | 2.46 | 5.00 | 0.13 | 435.00 | 3.00 | 5.00 | 0.13 | 135.00 | 1.06 | 6.00 | 0.15 |
| 351.00 | 2.47 | 5.00 | 0.13 | 440.00 | 3.03 | 5.00 | 0.13 | 140.00 | 1.09 | 6.00 | 0.15 |
| 352.00 | 2.47 | 5.00 | 0.13 | 445.00 | 3.06 | 5.00 | 0.13 | 145.00 | 1.13 | 6.00 | 0.15 |
| 353.00 | 2.48 | 5.00 | 0.13 | 450.00 | 3.09 | 5.00 | 0.13 | 150.00 | 1.16 | 6.00 | 0.15 |
| 354.00 | 2.49 | 5.00 | 0.13 | 455.00 | 3.13 | 5.00 | 0.13 | 155.00 | 1.19 | 6.00 | 0.15 |
| 355.00 | 2.49 | 5.00 | 0.13 | 460.00 | 3.16 | 5.00 | 0.13 | 160.00 | 1.23 | 6.00 | 0.15 |
| 356.00 | 2.50 | 5.00 | 0.13 | 465.00 | 3.19 | 5.00 | 0.13 | 165.00 | 1.26 | 6.00 | 0.15 |
| 357.00 | 2.50 | 5.00 | 0.13 | 470.00 | 3.22 | 5.00 | 0.13 | 170.00 | 1.29 | 6.00 | 0.15 |
| 358.00 | 2.51 | 5.00 | 0.13 | 475.00 | 3.25 | 5.00 | 0.13 | 175.00 | 1.33 | 6.00 | 0.15 |
| 359.00 | 2.52 | 5.00 | 0.13 | 480.00 | 3.28 | 5.00 | 0.13 | 180.00 | 1.36 | 6.00 | 0.15 |
| 360.00 | 2.52 | 5.00 | 0.13 | 485.00 | 3.31 | 5.00 | 0.13 | 185.00 | 1.39 | 6.00 | 0.15 |
| 361.00 | 2.53 | 5.00 | 0.13 | 490.00 | 3.35 | 5.00 | 0.13 | 190.00 | 1.43 | 6.00 | 0.15 |
| 362.00 | 2.54 | 5.00 | 0.13 | 495.00 | 3.38 | 5.00 | 0.13 | 195.00 | 1.46 | 6.00 | 0.15 |
| 363.00 | 2.54 | 5.00 | 0.13 | 500.00 | 3.41 | 5.00 | 0.13 | 200.00 | 1.49 | 6.00 | 0.15 |
| 364.00 | 2.55 | 5.00 | 0.13 | 505.00 | 3.44 | 5.00 | 0.13 | 205.00 | 1.52 | 6.00 | 0.15 |
| 365.00 | 2.56 | 5.00 | 0.13 | 510.00 | 3.47 | 5.00 | 0.13 | 210.00 | 1.56 | 6.00 | 0.15 |
| 366.00 | 2.56 | 5.00 | 0.13 | 515.00 | 3.50 | 5.00 | 0.13 | 215.00 | 1.59 | 6.00 | 0.15 |
| 367.00 | 2.57 | 5.00 | 0.13 | 520.00 | 3.53 | 5.00 | 0.13 | 220.00 | 1.62 | 6.00 | 0.15 |
| 368.00 | 2.57 | 5.00 | 0.13 | 525.00 | 3.56 | 5.00 | 0.13 | 225.00 | 1.65 | 6.00 | 0.15 |
| 369.00 | 2.58 | 5.00 | 0.13 | 530.00 | 3.60 | 5.00 | 0.13 | 230.00 | 1.69 | 6.00 | 0.15 |
| 370.00 | 2.59 | 5.00 | 0.13 | 535.00 | 3.63 | 5.00 | 0.13 | 235.00 | 1.72 | 6.00 | 0.15 |
| 371.00 | 2.59 | 5.00 | 0.13 | 540.00 | 3.66 | 5.00 | 0.13 | 240.00 | 1.75 | 6.00 | 0.15 |
| 372.00 | 2.60 | 5.00 | 0.13 | 545.00 | 3.69 | 5.00 | 0.13 | 245.00 | 1.78 | 6.00 | 0.15 |
| 373.00 | 2.61 | 5.00 | 0.13 | 550.00 | 3.72 | 5.00 | 0.13 | 250.00 | 1.82 | 6.00 | 0.15 |
| 374.00 | 2.61 | 5.00 | 0.13 | 555.00 | 3.75 | 5.00 | 0.13 | 260.00 | 1.88 | 6.00 | 0.15 |
| 375.00 | 2.62 | 5.00 | 0.13 | 560.00 | 3.78 | 5.00 | 0.13 | 270.00 | 1.95 | 6.00 | 0.15 |
| 376.00 | 2.63 | 5.00 | 0.13 | 565.00 | 3.81 | 5.00 | 0.13 | 275.00 | 1.98 | 6.00 | 0.15 |
| 377.00 | 2.63 | 5.00 | 0.13 | 570.00 | 3.85 | 5.00 | 0.13 | 280.00 | 2.01 | 6.00 | 0.15 |
| 378.00 | 2.64 | 5.00 | 0.13 | 575.00 | 3.88 | 5.00 | 0.13 | 285.00 | 2.04 | 6.00 | 0.15 |
| 379.00 | 2.64 | 5.00 | 0.13 | 580.00 | 3.91 | 5.00 | 0.13 | 290.00 | 2.07 | 6.00 | 0.15 |
| 380.00 | 2.65 | 5.00 | 0.13 | 585.00 | 3.93 | 5.00 | 0.13 | 295.00 | 2.11 | 6.00 | 0.15 |
| 381.00 | 2.66 | 5.00 | 0.13 | 590.00 | 3.97 | 5.00 | 0.13 | 300.00 | 2.14 | 6.00 | 0.15 |
| 382.00 | 2.66 | 5.00 | 0.13 | 595.00 | 4.00 | 5.00 | 0.13 | 310.00 | 2.20 | 6.00 | 0.15 |
| 383.00 | 2.67 | 5.00 | 0.13 | 600.00 | 4.03 | 5.00 | 0.13 | 320.00 | 2.27 | 6.00 | 0.15 |
| 384.00 | 2.68 | 5.00 | 0.13 |        |      |      |      | 325.00 | 2.30 | 6.00 | 0.15 |
| 385.00 | 2.68 | 5.00 | 0.13 | 20.00  | 0.26 | 6.00 | 0.15 | 330.00 | 2.33 | 6.00 | 0.15 |
| 386.00 | 2.69 | 5.00 | 0.13 | 25.00  | 0.30 | 6.00 | 0.15 | 340.00 | 2.40 | 6.00 | 0.15 |
| 387.00 | 2.70 | 5.00 | 0.13 | 30.00  | 0.34 | 6.00 | 0.15 | 350.00 | 2.46 | 6.00 | 0.15 |
| 388.00 | 2.70 | 5.00 | 0.13 | 35.00  | 0.37 | 6.00 | 0.15 | 360.00 | 2.52 | 6.00 | 0.15 |
| 389.00 | 2.71 | 5.00 | 0.13 | 40.00  | 0.41 | 6.00 | 0.15 | 375.00 | 2.62 | 6.00 | 0.15 |
| 390.00 | 2.71 | 5.00 | 0.13 | 45.00  | 0.44 | 6.00 | 0.15 | 380.00 | 2.65 | 6.00 | 0.15 |
| 391.00 | 2.72 | 5.00 | 0.13 | 50.00  | 0.48 | 6.00 | 0.15 | 400.00 | 2.78 | 6.00 | 0.15 |
| 392.00 | 2.73 | 5.00 | 0.13 | 55.00  | 0.52 | 6.00 | 0.15 | 410.00 | 2.84 | 6.00 | 0.15 |
| 393.00 | 2.73 | 5.00 | 0.13 | 60.00  | 0.55 | 6.00 | 0.15 | 425.00 | 2.94 | 6.00 | 0.15 |
| 394.00 | 2.74 | 5.00 | 0.13 | 65.00  | 0.58 | 6.00 | 0.15 | 450.00 | 3.09 | 6.00 | 0.15 |
| 395.00 | 2.75 | 5.00 | 0.13 | 70.00  | 0.62 | 6.00 | 0.15 | 460.00 | 3.16 | 6.00 | 0.15 |
| 396.00 | 2.75 | 5.00 | 0.13 | 75.00  | 0.65 | 6.00 | 0.15 | 470.00 | 3.22 | 6.00 | 0.15 |
| 397.00 | 2.76 | 5.00 | 0.13 | 80.00  | 0.69 | 6.00 | 0.15 | 475.00 | 3.25 | 6.00 | 0.15 |
| 398.00 | 2.77 | 5.00 | 0.13 | 85.00  | 0.72 | 6.00 | 0.15 | 490.00 | 3.35 | 6.00 | 0.15 |
| 399.00 | 2.77 | 5.00 | 0.13 | 90.00  | 0.76 | 6.00 | 0.15 | 500.00 | 3.41 | 6.00 | 0.15 |
| 400.00 | 2.78 | 5.00 | 0.13 | 95.00  | 0.79 | 6.00 | 0.15 | 525.00 | 3.56 | 6.00 | 0.15 |
| 405.00 | 2.81 | 5.00 | 0.13 | 100.00 | 0.82 | 6.00 | 0.15 | 550.00 | 3.72 | 6.00 | 0.15 |
| 410.00 | 2.84 | 5.00 | 0.13 | 105.00 | 0.86 | 6.00 | 0.15 | 555.00 | 3.75 | 6.00 | 0.15 |
|        |      |      |      | 110.00 | 0.89 | 6.00 | 0.15 | 575.00 | 3.88 | 6.00 | 0.15 |
|        |      |      |      |        |      |      |      | 600.00 | 4.03 | 6.00 | 0.15 |

O-Ring Standard Size (Metric)