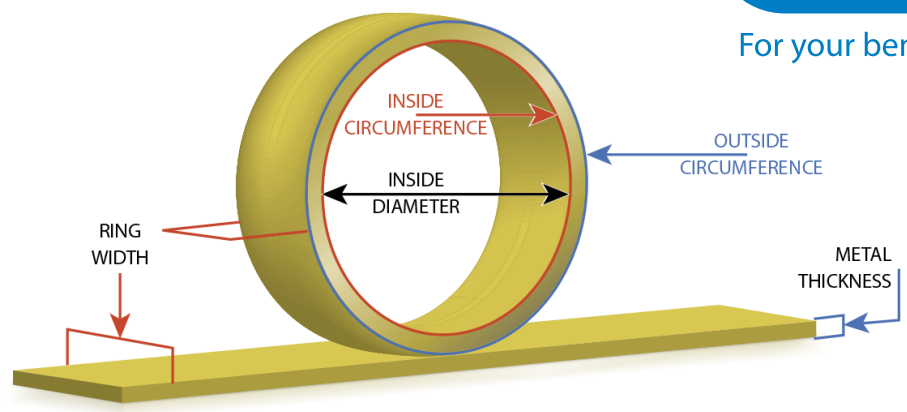


Ring Blank Sizing Chart



For your bench. At your side.



Measuring for a Ring Blank

To get a proper ring fit, you must compensate for the thickness of the ring band before you measure the blank. Curving the outside ends of the blank together for soldering compresses the inside circumference, making the ring smaller. The chart below includes the additional length necessary to allow for the compression, allowing your finished ring to reliably finish at the size you want. The formula used to calculate the correct blank length is shown below.

$$[\text{inner diameter} + \text{metal thickness}] \times 3.1416 (\text{pi}) = \text{correct blank length}$$

(add an additional 0.5mm if over 4mm wide)

Take the inner diameter, add the metal thickness and multiply by pi (3.14). This gives you the necessary length for your ring blank length. If the ring band is wider than 4mm, add an extra 0.5mm to ensure an excellent fit.

| Ring Size | Inside Diameter | | Inside Circumference | | Metal Thickness | | | | | | | | | | | |
|-----------|-----------------|-------|----------------------|-------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | | | | 10 ga | | | 12 ga | | | 14 ga | | 16 ga | | 18 ga | 20 ga |
| | | | | | 2.6 mm | 2.4 mm | 2.2 mm | 2.1 mm | 2.0 mm | 1.8 mm | 1.6 mm | 1.4 mm | 1.3 mm | 1.2 mm | 1.0 mm | .8 mm |
| US 1 | 0.487 | 12.37 | 1.53 | 38.86 | 47.03 | 46.10 | 45.77 | 45.46 | 45.14 | 44.52 | 43.89 | 43.26 | 42.95 | 42.63 | 42.00 | 41.37 |
| 1½ | 0.503 | 12.78 | 1.58 | 40.15 | 48.32 | 47.69 | 47.06 | 46.75 | 46.43 | 45.80 | 45.18 | 44.55 | 44.23 | 43.92 | 43.29 | 42.66 |
| 2 | 0.520 | 13.21 | 1.63 | 41.50 | 49.67 | 49.04 | 48.41 | 48.10 | 47.78 | 47.16 | 46.53 | 45.90 | 45.58 | 45.27 | 44.64 | 44.01 |
| 2½ | 0.536 | 13.61 | 1.68 | 42.76 | 50.93 | 50.30 | 49.67 | 49.35 | 49.04 | 48.41 | 47.78 | 47.16 | 46.84 | 46.53 | 45.90 | 45.27 |
| 3 | 0.553 | 14.05 | 1.74 | 44.14 | 52.31 | 51.68 | 51.05 | 50.74 | 50.42 | 49.79 | 49.17 | 48.54 | 48.22 | 47.91 | 47.28 | 46.65 |
| 3½ | 0.569 | 14.45 | 1.79 | 45.40 | 53.56 | 52.94 | 52.31 | 51.99 | 51.68 | 51.05 | 50.42 | 49.79 | 49.48 | 49.17 | 48.54 | 47.91 |
| 4 | 0.585 | 14.90 | 1.84 | 46.68 | 54.98 | 54.35 | 53.72 | 53.41 | 53.09 | 52.46 | 51.84 | 51.21 | 50.89 | 50.58 | 49.95 | 49.32 |
| 4½ | 0.601 | 15.26 | 1.89 | 47.94 | 56.11 | 55.48 | 54.85 | 54.54 | 54.22 | 53.60 | 52.97 | 52.34 | 52.02 | 51.71 | 51.08 | 50.54 |
| 5 | 0.618 | 15.70 | 1.94 | 49.36 | 57.49 | 56.86 | 55.23 | 55.92 | 55.61 | 54.98 | 54.35 | 53.72 | 53.41 | 53.09 | 52.46 | 51.84 |
| 5½ | 0.634 | 16.10 | 1.99 | 50.60 | 58.75 | 58.12 | 57.49 | 57.18 | 56.86 | 56.23 | 55.61 | 54.98 | 54.66 | 54.35 | 53.72 | 53.09 |
| 6 | 0.650 | 16.51 | 2.04 | 51.87 | 60.04 | 59.41 | 58.78 | 58.47 | 58.15 | 57.52 | 56.89 | 56.27 | 55.95 | 55.64 | 55.01 | 54.38 |
| 6½ | 0.666 | 16.92 | 2.09 | 53.16 | 61.32 | 60.70 | 60.07 | 59.75 | 59.44 | 58.81 | 58.18 | 57.55 | 57.24 | 56.93 | 56.30 | 55.67 |
| 7 | 0.683 | 17.35 | 2.15 | 54.51 | 62.67 | 62.05 | 61.42 | 61.10 | 60.79 | 60.16 | 59.53 | 58.90 | 58.59 | 58.28 | 57.65 | 57.02 |
| 7½ | 0.699 | 17.75 | 2.20 | 55.76 | 63.93 | 63.30 | 62.67 | 62.36 | 62.05 | 61.42 | 60.79 | 60.16 | 59.85 | 59.53 | 58.90 | 58.28 |
| 8 | 0.716 | 18.19 | 2.25 | 57.15 | 65.31 | 64.69 | 64.06 | 63.74 | 63.43 | 62.80 | 62.17 | 61.54 | 61.23 | 60.92 | 61.54 | 59.66 |
| 8½ | 0.732 | 18.59 | 2.30 | 58.40 | 66.57 | 65.94 | 65.31 | 65.00 | 64.69 | 64.06 | 63.43 | 62.80 | 62.49 | 62.17 | 62.83 | 60.92 |
| 9 | 0.748 | 19.00 | 2.35 | 59.69 | 67.86 | 67.23 | 66.60 | 66.29 | 65.97 | 65.35 | 64.72 | 64.09 | 63.77 | 63.46 | 64.12 | 62.20 |
| 9½ | 0.764 | 19.41 | 2.40 | 60.98 | 69.15 | 68.52 | 67.89 | 67.58 | 67.26 | 66.63 | 66.00 | 65.38 | 65.06 | 64.75 | 65.41 | 63.49 |
| 10 | 0.781 | 19.82 | 2.45 | 62.27 | 70.43 | 69.81 | 69.18 | 68.86 | 68.55 | 67.92 | 67.29 | 66.66 | 66.35 | 66.04 | 66.73 | 64.78 |
| 10½ | 0.797 | 20.24 | 2.50 | 63.59 | 71.75 | 71.13 | 70.50 | 70.18 | 69.87 | 69.24 | 68.61 | 67.98 | 67.67 | 67.36 | 68.11 | 66.10 |
| 11 | 0.814 | 20.68 | 2.56 | 64.97 | 73.14 | 72.51 | 71.88 | 71.57 | 71.25 | 70.62 | 69.99 | 69.37 | 69.05 | 68.74 | 69.37 | 67.48 |
| 11½ | 0.830 | 21.08 | 2.61 | 66.22 | 75.68 | 73.76 | 73.14 | 72.82 | 72.51 | 71.88 | 71.25 | 70.62 | 70.31 | 69.99 | 70.65 | 68.74 |
| 12 | 0.846 | 21.49 | 2.66 | 67.51 | 76.62 | 75.05 | 74.42 | 74.11 | 73.80 | 73.17 | 72.54 | 71.91 | 71.60 | 71.28 | 71.60 | 70.03 |
| 12½ | 0.858 | 21.79 | 2.70 | 68.46 | 77.91 | 76.00 | 75.37 | 75.05 | 74.74 | 74.11 | 73.48 | 72.85 | 72.54 | 72.23 | 71.00 | 70.97 |
| 13 | 0.874 | 22.20 | 2.751 | 69.74 | 79.20 | 77.28 | 76.65 | 76.34 | 76.03 | 75.40 | 74.77 | 74.14 | 73.83 | 73.51 | 72.88 | 72.26 |
| 13½ | 0.890 | 22.61 | 2.80 | 71.03 | 78.54 | 78.57 | 77.94 | 77.63 | 77.31 | 76.69 | 76.06 | 75.43 | 75.12 | 74.80 | 74.17 | 73.54 |
| 14 | 0.906 | 23.01 | 2.85 | 72.29 | 80.46 | 79.83 | 79.20 | 78.89 | 78.57 | 77.94 | 77.31 | 76.69 | 76.37 | 76.06 | 75.43 | 74.80 |
| 14½ | 0.922 | 23.42 | 2.90 | 73.58 | 81.74 | 81.12 | 80.49 | 80.17 | 79.86 | 79.23 | 78.60 | 77.97 | 77.66 | 77.35 | 76.72 | 76.09 |