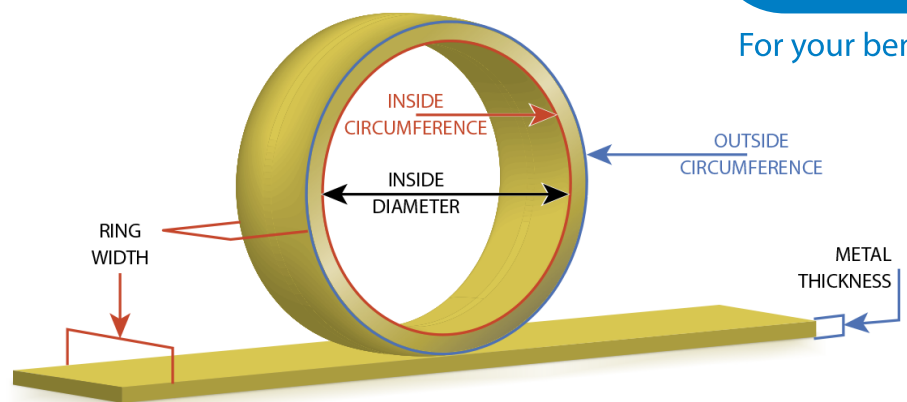


# Ring Blank Sizing Chart



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.

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

(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	2.75	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