

Half Round Wire

Product Characteristics:

- Material
- Thickness
- Width
- Length²
- Camber (edgewise bow)
- Tolerances (if different from the 'Standard Specifications')
- Vickers hardness or temper (see plate charts in appendix)
- Surface finish and quality

Available materials:

From stock: 10Y, 10W, 14Y, 14W, 14D, 18Y, 18W, 18D, 19W, 24Y, SSW, FIS, COS, ANT, FPT, 90W, 95R, 95H

Made to order: 10H, 10G, 10R, 14H, 14G, 14R, 18G, 18R, 22Y, FPD or any customer specified alloy

mm	inch	mm	inch	mm	inch	mm	inch
.28 x .55	.011 x .021	1.00 x 5.00	.039 x .197	1.50 x 3.00	.059 x .118	2.00 x 3.00	.078 x .118
.50 x .75	.019 x .029	1.00 x 6.00	.039 x .236	1.50 x 3.25	.059 x .128	2.00 x 3.50	.078 x .137
.50 x 1.00	.019 x .039	1.10 x 1.50	.043 x .059	1.50 x 3.50	.059 x .137	2.00 x 4.00	.078 x .157
.75 x 1.50	.029 x .059	1.13 x 5.55	.044 x .218	1.50 x 4.00	.059 x .157	2.00 x 4.50	.078 x .177
.76 x 3.80	.030 x .150	1.20 x 1.56	.047 x .061	1.50 x 4.50	.059 x .177	2.00 x 5.00	.078 x .197
.90 x 1.80	.035 x .071	1.20 x 2.80	.047 x .110	1.50 x 5.00	.059 x .197	2.00 x 6.00	.078 x .236
1.00 x 1.00	.039 x .039	1.30 x 2.50	.051 x .098	1.50 x 6.00	.059 x .236	2.00 x 7.00	.078 x .276
1.00 x 1.50	.039 x .059	1.30 x 2.62	.051 x .103	1.50 x 7.00	.059 x .276	2.00 x 8.00	.078 x .315
1.00 x 2.00	.039 x .078	1.45 x 2.90	.057 x .114	1.50 x 8.00	.059 x .315	2.06 x 4.11	.055 x .162
1.00 x 2.50	.039 x .098	1.50 x 2.00	.059 x .078	1.65 x 2.50	.065 x .098	3.00 x 3.00	.118 x .118
1.00 x 3.00	.039 x .118	1.50 x 2.50	.059 x .098	2.00 x 2.00	.078 x .078	3.00 x 4.50	.118 x .177
1.00 x 4.00	.039 x .157			2.00 x 2.50	.078 x .098		

Tolerance +/- 0.05mm (.00196") height +/- 0.10mm (.0039") width

Length maximum 1 m straight, Product is usually coiled

Odd sizes with **no** matching dies : 1.125mm x 5.55mm 2.50mm x 4.75mm 2.55mm x 7.75mm
1.5 x 18mm 1.7 x 15mm 1.7 x 18mm 2 x 15.3mm 1.5 x 10mm 1.8 x 13mm

Temper:

Standard temper is soft¹ unless specified. Other tempers are available on request.

Surface:

Uniform in appearance, of typical color for the temper and alloy ordered, and free of orange peel, foreign inclusions, oxide or tarnish, scratches greater than 0.02 mm/0.0008" and blisters. Items ordered at soft temper may not appear shiny when first received. Once polished, rolled or drawn the surface will shine up.

Wire can be supplied in one of two finishes:

- As drawn: in this case the surface roughness is less than 8 µm. The surface is smooth and reflective.
- Brushed: in this case the surface roughness is greater than 12 µm. The surface is smooth and no clear reflection is visible.

Packaging:

Box or envelope depending on the size of the product.

¹ The standard temper for from Ready-Stock™ is half hard.

² Instead of the length also the mass can be used to define the volume ordered