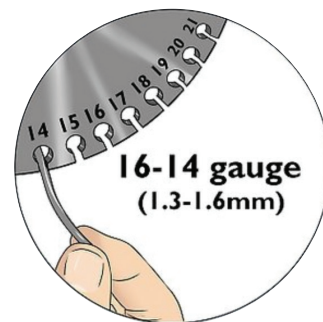




GAUGE GUIDE & CALCULATING THE WEIGHTS OF WIRE & PLATE

GAUGE TO WIRE CONVERSION:

1 Gauge = 7.3mm	10 Gauge = 2.6mm	19 Gauge = 0.9mm
2 Gauge = 6.5mm	11 Gauge = 2.3mm	20 Gauge = 0.8mm
3 Gauge = 5.8mm	12 Gauge = 2.0mm	21 Gauge = 0.7mm
4 Gauge = 5.2mm	13 Gauge = 1.8mm	22 Gauge = 0.6mm
5 Gauge = 4.6mm	14 Gauge = 1.6mm	23 Gauge = 0.6mm
6 Gauge = 4.6mm	15 Gauge = 1.5mm	25 Gauge = 0.5mm
7 Gauge = 3.7mm	16 Gauge = 1.3mm	26 Gauge = 0.4mm
8 Gauge = 3.3mm	17 Gauge = 1.2mm	
9 Gauge = 2.9mm	18 Gauge = 1.0mm	



TO CALCULATE GRAMS OF WIRE:

- AG: $\text{Diameter}^2 \times 0.785 \times \text{Length} \times 10.50 / 1000 = \text{grams}$
- 9ct: $\text{Diameter}^2 \times 0.785 \times \text{Length} \times 11.10 / 1000 = \text{grams}$
- 14ct: $\text{Diameter}^2 \times 0.785 \times \text{Length} \times 13.70 / 1000 = \text{grams}$
- 18ct: $\text{Diameter}^2 \times 0.785 \times \text{Length} \times 15.70 / 1000 = \text{grams}$
- 24ct: $\text{Diameter}^2 \times 0.785 \times \text{Length} \times 19.30 / 1000 = \text{grams}$

TO CALCULATE GRAMS OF PLATE:

- AG: $\text{Length} \times \text{Width} \times \text{Thickness} \times 10.5 / 1000 = \text{grams}$
- 9ct: $\text{Length} \times \text{Width} \times \text{Thickness} \times 11.1 / 1000 = \text{grams}$
- 14ct: $\text{Length} \times \text{Width} \times \text{Thickness} \times 13.7 / 1000 = \text{grams}$
- 18ct: $\text{Length} \times \text{Width} \times \text{Thickness} \times 15.7 / 1000 = \text{grams}$
- 24ct: $\text{Length} \times \text{Width} \times \text{Thickness} \times 19.3 / 1000 = \text{grams}$
- Platinum: $\text{Length} \times \text{Width} \times \text{Thickness} \times 21.4 / 1000 = \text{grams}$
- Palladium: $\text{Length} \times \text{Width} \times \text{Thickness} \times 13.3 / 1000 = \text{grams}$

CPM Stocks a range of wire in sterling silver (full and half round) and copper; Sterling silver tubing (not annealed); and plate in Sterling, copper and brass. We can custom make other items, but please note the lead time on special orders can be up to 4 weeks. Chat to your regional sales executive:



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