

Belmont

ELECTROPLATING ANODES

Belmont Metals, founded in 1896, is an exceptionally diversified manufacturer of non ferrous metals, alloys and metal products. Our production and quality control facilities feature state-of-the-art equipment and skilled and experienced employees, providing important support for our tradition of serving highly specialized non ferrous needs. We maintain a continuing inventory of over 1,000 standard and special non ferrous products, offer important product application assistance, and are open to serving unusual requests regarding anode formulas, shapes, and quantities, as well as delivery lead times.

Belmont has been a manufacturer of electroplating anodes suitable for a wide variety of end uses for almost 100 years. The following provides a brief summary of our plating anode product line, while the table on the reverse offers valuable assistance in your plating anode weight calculations. Contact us at any time for discussion of your particular needs.

METALS & ALLOYS AVAILABLE

Cadmium	Nickel
Cadmium/Tin	Tin (Grade A, 99.99%)
Copper	Solder (30/70, 35/65, 40/60, 50/50, 60/40, 63/37, 70/30 tin/lead; or your special formula)
Phosphorized Copper	Tin/Zinc
Brass & Bronze (90/10, 85/15, 80/20, 70/30, copper/zinc & copper/tin; or your special formula)	Zinc (meet specifications MIL-F-14072, QQ-Z-325, FF-H-106a, FF-H-111a, FF-H-116c, ASTM-AES A164.)
Lead	Zinc-Nickel
Antimonial Lead	

SHAPES AVAILABLE*

- ball
- rectangular ("flat")
- oval
- rod
- square
- cathode
- flat top
- nugget
- slug
- bar
- pellet
- round
- your special shape
- star

*All shapes not available in all metals or alloys

(Some Belmont electroplating anodes may be drilled and tapped for screw-in hooks, drilled for "S" hooks, or made with splines or hooks for hanging. Various standard and special anode dimensions are available to suit your needs.)

See Reverse

Belmont: *The Non Ferrous Specialists*

For maximum variety in non ferrous metals, alloys, formulations, and shapes.

Custom shapes and compositions available.



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BELMONT ELECTROPLATING ANODES

Typical Anode Densities For Weight Calculations

Rectangular (“flat”) anodes: multiply length × height × depth for total cubic inches.

Total cubic inches × anode density = anode weight.

Oval anodes: lbs/in. of length × length = anode weight.

Round anodes: 0.7854 × diameter squared × length × anode density = anode weight.

Metal/Alloy	Cast Rectangular (“flat”), lbs/cu. in.	Cast Oval, lbs/in. of length (1½" × 3½" unless otherwise shown)
Cadmium	0.3125	1.29
Cadmium/Tin	*	*
Copper	0.323	0.812 (1¼" × 3") 1.14 (1¼" × 3¼")
Phosphorized copper	0.323	**
90/10 copper/zinc	0.315	0.794 (1¼" × 3") 1.12 (1¼" × 3¼")
80/20 copper/zinc	0.307	0.773 (1¼" × 3") 1.08 (1¼" × 3¼")
70/30 copper/zinc	0.3002	0.755 (1¼" × 3") 1.06 (1¼" × 3¼")
90/10 copper/tin	0.317	0.796 (1¼" × 3") 1.13 (1¼" × 3¼")
80/20 copper/tin	0.311	0.783 (1¼" × 3") 1.10 (1¼" × 3¼")
70/30 copper/tin	0.305	0.769 (1¼" × 3") 1.08 (1¼" × 3¼")
Lead	0.409	1.03 (1¼" × 3") 1.45 (1¼" × 3¼")
Antimonial lead	*	*
Nickel	0.320	1.0
Tin	0.264	1.09
Solder (tin/lead)		
30/70	0.351	1.44
35/65	0.343	1.41
40/60	0.335	1.38
50/50	0.321	1.32
60/40	0.3077	1.28
63/37	0.3045	1.25
70/30	0.2955	1.21
Tin/zinc	*	*
Zinc	0.258	1.06
Zinc/nickel	*	*

* Depends on alloy composition

** Not usually available in these shapes