



563 KENILWORTH AVE. N.
HAMILTON, ONTARIO
CANADA L8H 4T8

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PHONE: (905) 312-9084
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E-MAIL: alchemycastings.cgocable.net

ANODES **Hard & Decorative Chrome, Anodizing, Tin & Solder Electroplating, Hot Air Leveling, Galvanizing, Metallizing**

RAW MATERIALS


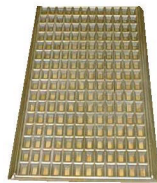
Alchemy utilizes only the finest primary materials in the manufacturing of its products. Find below a list of the raw metals that we alloy with to produce any configuration you require.

- **Tin (Sn):** Complies to ASTM B339 – Grade “A” Tin.
- **Lead (Pb):** Complies to ASTM B29 – Corroding Grade Lead.
- **Antimony (Sb):** Complies to ASTM B237 – Grade “B” Antimony.
- **Cadmium (Cd):** Complies to ASTM B440

We also produce alloys with additions of **Silver (Ag)**, **Bismuth (Bi)** and **Tellurium (Te)**.

STANDARD CAST CONFIGURATIONS

Alchemy offers a vast choice of cast or extruded anodes in a wide range of configurations. That is why we are one of the leading suppliers to the plating industry. We understand that everything is not always standard off the shelf, if you don't see what you are looking for, give us a call and let us help you out.

Sample Picture	Configuration Name	Dimensions	METAL
	BALLS	$\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 2" Diameter	Tin Lead Cadmium Tin/Lead Alloys
	GRIDS	$\frac{1}{4}$ " x 12" x 24" $\frac{1}{2}$ " x 13" x 24-1/2"	Tin Lead Tin/Lead Alloys



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STANDARD EXTRUDED CONFIGURATIONS

Whether extruded or hand cast in our wide range of alloys and configurations, each of our anodes go through the same process to produce a fine grain structure essential for even plate-out and maximum throwing.

Sample Picture	Configuration Name	Dimensions	METAL
	ROUND	1/8" – 4" Dia Various Lengths	Tin Lead Tin/Lead Alloys
	SQUARE	1/8" up to 3" Various Lengths	Tin Lead Tin/Lead Alloys
	RECTANGLE	1/8" – 3" Max. Width = 5" Various Lengths	Tin Lead Tin/Lead Alloys
	"D" STYLE	2" x 3" Various Lengths	Tin Tin/Lead Alloys
	OVAL	2" x 3" Various Lengths	Tin Tin/Lead Alloys
	ELLIPTICAL	2" x 3" Various Lengths	Tin Tin/Lead Alloys
	ROSETTE	1-1/2" & 2" OD Various Lengths	Tin Lead Tin/Lead Alloys




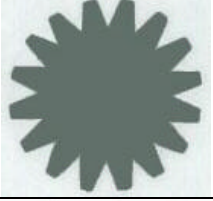



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STANDARD EXTRUDED CONFIGURATIONS - (Continued)

Sample Picture	Configuration Name	Dimensions	METAL
	12 POINT	3" OD Various Lengths	Tin Tin/Lead Alloys
	16 POINT	3" OD Various Lengths	Tin Tin/Lead Alloys
	SAWTOOTH	1-1/4" x 4" Various Lengths	Lead Tin/Lead Alloys
	ZIG-ZAG	3/16" x 3" with 7/16" Center Various Lengths	Lead Tin/Lead Alloys
	RIBBED	3/4" x 3" Various Lengths	Lead Tin/Lead Alloys

- We also produce Lead Anodes with cores such as copper, mild steel to name a few.
- All our Lead Alloyed Anodes are available with either Cast Bronze or Copper Hooks, which are cast into nobbins and lead burned onto the anode stock. (All nobbin & burning bar used in homogenous bonding are of the same alloy as the anode stock).
- Tin & Tin/Lead (Solder) Anodes are supplied drilled with a 3/8" Dia. Hole and tapped (16 thread) to 1-1/4" Deep.



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ANODE HOOKS

This is a list of our most common bronze hooks. Copper hooks are available upon request. All hooks can be Plastisol Covered or Lead covered or left plain, just let us know when ordering.

Sample Picture	Hook Number & Style	Dimensions	METAL
	#1 Single Knife Edge	From top of Conductor Bar to: Anode Shoulder: <u>3-1/2"</u> Knife Edge: <u>1/2" Thick</u>	"C" Bronze
	#2 Single Knife Edge	From top of Conductor Bar to: Anode Shoulder: <u>3-1/2"</u> Knife Edge: <u>5/8" Thick</u>	"C" Bronze
	#3 Single Knife Edge	From top of Conductor Bar to: Anode Shoulder: <u>3-1/2"</u> Knife Edge: <u>3/4" Thick</u>	"C" Bronze
	#7 Double Knife Edge	From top of Conductor Bar to: Anode Shoulder: <u>3-1/2"</u> Knife Edge: <u>5/8" Thick</u>	"C" Bronze
	#8 Double Knife Edge	From top of Conductor Bar to: Anode Shoulder: <u>4-1/2"</u> Knife Edge: <u>5/8" Thick</u>	"C" Bronze
	#9 Double Knife Edge	From top of Conductor Bar to: Anode Shoulder: <u>8-1/2"</u> Knife Edge: <u>1/2" Thick</u>	"C" Bronze

AVAILABLE PLASTISOL COLOURS

BLACK	BLUE	YELLOW	NEON GREEN
SCARLET RED	PURPLE	ORANGE	DARK GREEN



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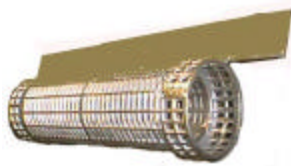
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CUSTOM BASKET ANODES

Sometimes referred to as Basket, Conforming or Grid anodes. Send us your drawings and we will be happy to assist you.

Some important items we need to know are:

- Alloy Material
- Are you ID or OD Plating?
- Overall Height
- Inside or Outside Diameters
- Hanger Information: Solid lead, lead covered Copper, etc.



MISCELLANEOUS PRODUCTS

Burning Bars, Strips, Wire, Sheet Lead, Plating Tanks, Mats, Steam & Heating Coils, etc.

