



## Copper and bronze castings from The Specialty Copper Mill

**SAND • CENTRIFUGAL • PERMANENT MOLD**

The Electric Materials Company specializes in high conductivity copper, copper alloy and aluminum castings for a wide variety of electrical and mechanical applications.

Find out more about how The Electric Materials Company can meet your casting requirements. Call The Specialty Copper Mill toll free at 800-356-2211 or visit our website [www.elecmat.com](http://www.elecmat.com).



# **ELECTRIC MATERIALS**

*Providing engineered solutions since 1915*



# Casting Capabilities

**SAND • CENTRIFUGAL • PERMANENT MOLD**

## Alloy

### Pure Copper

Min. Cond. 85%  
(Can guarantee 92%-98% if needed)

### Chrome Copper

C81500  
Min. Cond. 80%, Min. hardness RB60

### Any Copper-Zinc Alloy

Up to 20% Zinc content

### Copper-Lead-Tin and Zinc Alloys

C83600, C83800, C84400 etc.

### Aluminum Bronzes

C95200, C95300, C95400, C95500 and C95600

### Copper-Nickel Alloys

C97400 and C97600

### Copper-Tin-Zinc Alloys

C90300 and C90500 and others

### Pure Aluminum and Aluminum Alloys

## Weight and Size

### Maximum Weight

750 pounds

### Maximum Size

Governed by 750 pound weight limitation

### Minimum Size

Governed by 1/8" minimum thickness in any area

### Maximum Diameter of Cast Rings

Up to 60 inches. Slotted rings up to 34 inches.

### Maximum Length of Rod, Cylinder or Similar Shape

72 inches

### Maximum Height or Thickness

36 inches

## Other In-house Services

- ◆ Complete secondary machining operations
- ◆ Brazing, welding
- ◆ Silver or tin plating



- ◆ The Electric Materials Plant is located 150 miles north of Pittsburgh along Lake Erie, midway between Buffalo and Cleveland.
- ◆ As an independent producer, we are geared to provide customers fast, quality service.
- ◆ We encourage customers to visit our plant when traveling through our area.

# ELECTRIC MATERIALS

**CASTINGS • FORGINGS • EXTRUSIONS • ROTOR BARS • BUS SYSTEMS • COMMUTATORS**

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*Right the First Time – On Time – Every Time*

