



# Adinath

Create, Enhance & Sustain

## C-95300 Aluminium Bronze

### Specification Sheet

#### DESCRIPTION

Aluminium Bronzes comes from a family of copper based alloys which offers a combination of chemical and mechanical properties unmatched by any other alloys. This combination makes them today's one of the most important engineering materials for highly stressed components in corrosive environments. Unlike Nickel Aluminium Bronzes, the Nickel percentage in this alloys is usually less which is offset by addition of Copper and other Alloys.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe
Min (%)	86.00	9.00	0.80
Max (%)	-	11.00	1.50

Note : Ni includes Co; Cu+ named elements >= 99.5%; Unless otherwise noted, single values represent maximums.

#### COMPARATIVE SPECIFICATIONS

CDA: C95300	ASTM: B505, B505M
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	Good	55

#### CASTING CHARACTERISTICS

Casting Attribute	Level
Casting Yield	Low
Drossing	High
Fluidity	Medium
Gassing	Medium

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## TYPICAL USES

Product Category	Product	Reason
 <p>Electrical</p>	Connectors.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance (Excellent), High Strength.
 <p>Fasteners</p>	Stuffing Box Nuts.	Corrosion Resistance (Excellent), High Strength.
 <p>Industrial</p>	Bearing Segment for the Steel Industry, Cams, Gears, High Strength Clamps, High Temperature Applications, Large Hold Down Screws, Mining Machine Parts, Pickling Baskets, Pickling Hooks, Pressure Blocks for the Steel Industry, Valve Bodies, Welding Jaws.	Corrosion Resistance (Excellent), Wear Resistance, High Strength, Retains Strength at Elevated Temperatures, Machinability Good, Corrosion Resistance to Acids, Oxidation Resistance.
 <p>Marine</p>	Covers for Marine Hardware, Marine Equipment.	Appearance, Corrosion Resistance (Excellent), Corrosion Resistance to Salt Water, High Strength, Retains Strength at Elevated Temperatures.

## PACKING

 **ADINATH** manufactures wide range of copper Alloys in the form of **Certified Ingots** weighing from 8-10 kgs each.

 Standard Packaging of **1 Metric Ton** in Wooden Pallet.



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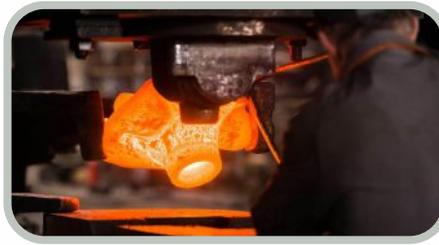
## VALUE ADDED SERVICES

### Casting Range



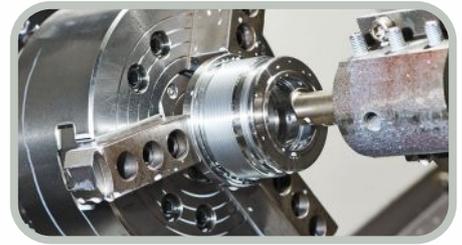
25 Grams to 10 Kgs

### Forging Sizes



50 Grams to 6 Kgs

### Machining Sizes



1 mm to 200 mm

### CONNECT WITH US Adinath Extrusion Pvt. Ltd.

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