



# Adinath

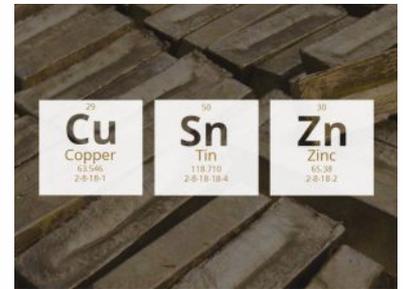
Create, Enhance & Sustain

## C-90700 : TIN BRONZE

### Specification Sheet

#### DESCRIPTION

C90700 is a hard strong Alloy with good corrosion resistance in seawater. It is one of the oldest bronze alloy used for gear manufacturing which is still prevailing till date. The higher Tin content in this alloy provides strength, toughness and good machinability.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	88.00	-	-	-	-	-	10.00	-	-	-	-
Max (%)	90.00	0.005	0.15	0.50	0.50	0.50	12.00	0.005	0.05	0.20	0.30

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

#### COMPARATIVE SPECIFICATIONS

CDA: C90700	C90500	C90800	OTHER : TIN BRONZE
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	20

#### CASTING CHARACTERISTICS

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

# C-90700 : TIN BRONZE

Product Category	Product	Reason
 <p>Industrial</p>	<p>Bearings, Bearings for Heavy Loads and Relatively Low Speeds, Gear Boxes, Gears, Restaurant Equipment, Speed Reducers, Valve Bodies, Worm Gears, Worm Wheels.</p>	<p>Corrosion Resistance, Low Co-efficient of Friction, Wear Resistance, Moderate Strength, Good Resistance to Corrosion, Machinability Good, Pressure Tight up to 260 C, Appearance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Saline Solutions.</p>

## 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.



## VALUE ADDED SERVICES

### Casting Range



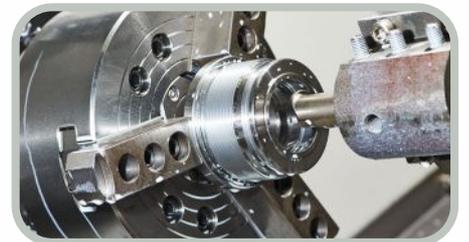
 25 Grams to 10 Kgs

### 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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