



# Adinath

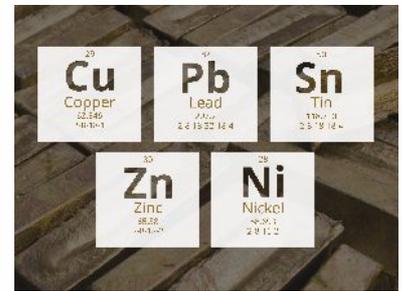
Create, Enhance & Sustain

## C-93200 : LEADED TIN BRONZE

### Specification Sheet

#### DESCRIPTION

C93200 is considered as the general purpose bearing alloy in Leaded Tin Bronze family. It has excellent machining properties, improved hardness, strength and wear resistance with excellent antifriction qualities. C93200 Alloy is not subject to dezincification. C93200 is considered as the workhorse alloy in this family finding its applications in Bushing, Bearings and Automotive fittings.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	81.00	-	-	-	1.00	6.00	6.30	-	-	-	-
Max (%)	85.00	0.005	0.20	1.00	4.00	8.00	7.50	0.005	0.08	0.35	0.15

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

#### COMPARATIVE SPECIFICATIONS

CDA: C93200	CuSn7Pb6Zn3	SAE: J461, J462	OTHER: BEARING BRONZE
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	70

#### CASTING CHARACTERISTICS

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

# C-93200 LEADED TIN BRONZE

## TYPICAL USES

Product Category	Product	Reason
 <p>Automotive</p>	Automotive Fittings.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Good Machinability, Relatively Low Strength.
 <p>Fasteners</p>	Washers	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Good Machinability, Relatively Low Strength.
 <p>Industrial</p>	Bearings, Bearings for Cranes, Bushings, Diesel Engine Wrist Pin Bushings, Fittings, Forging Press Toggle Lever Bearings, Fuel Pump Bushings, General Purpose Bushings, Hydraulic Press Main Lining, Insert Bearings, Linkage Bushings for Presses, Machine Parts, Machine Tool Bearings, Main Spindle Bearings, Pump Fixtures, Pump Impellers, Pumps, Roll Neck Bearings, Rolling Mill Bearings, Thrust Washers, Trunion Bearings, Water Pump Bushings.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Anti-Seizing Properties, Low Coefficient of Friction, Wear Resistance, Good Machinability, Relatively Low Strength, Pressure Tight, Thermal Conductivity, Corrosion Resistance to Brackish Water, Corrosion Resistance to Many Industrial Chemicals, Corrosion Resistance to Petroleum Products.

## 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



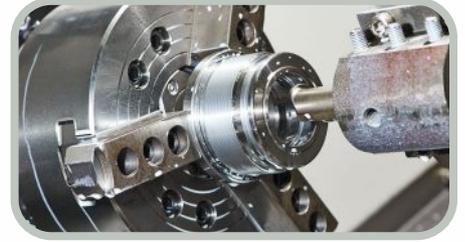
🏠 25 Grams to 10 Kgs

### Forging Sizes



🏠 50 Grams to 6 Kgs

### Machining Sizes



🏠 1 mm to 200 mm

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

📍 Plot No. 4051-4055,  
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