



# Adinath

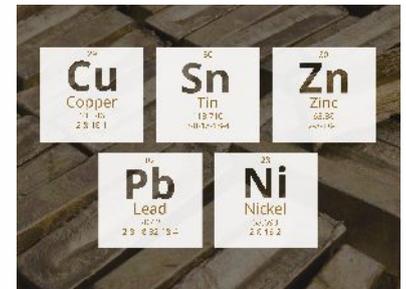
Create, Enhance & Sustain

## C-83800:GUN METAL/RED BRASS/BRONZE

### Specification Sheet

#### DESCRIPTION

Gun Metal commonly referred as Red Brass in USA, is an alloy of Copper, Zinc, Tin and Lead. In quantitative terms, this alloy is the largest application group of tin bronze family. Since ancient history, it has found a prominent place due to the ease of casting, good strength and corrosion resistance. The lead content improves the machining and gliding properties along with increased pressure tightness while Zinc improves its castability. Gun Metal is ideal for universal use and can be combined as required with all known installation materials like Copper, Steel and Plastic.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	82.00	-	-	-	5.00	5.00	3.30	-	-	-	-
Max (%)	83.80	0.005	0.30	1.00	8.00	7.00	4.20	0.005	0.08	0.25	0.03

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

#### COMPARATIVE SPECIFICATIONS

CDA: 83800	SAE: J461, J462	ASTM: B505, B505M, B271, B271M, B584	OTHER: HYDRAULIC BRONZE
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	90

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## CASTING CHARACTERISTICS

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

## TYPICAL USES

Product Category	Product	Reason
 <p>Builders Hardware</p>	Hardware.	Appearance, Corrosion Resistance, Good Machinability, Moderate Strength.
 <p>Electrical</p>	Electrical Components, Switches.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, Oxidation Resistance, Moderate Strength.
 <p>Industrial</p>	Air-Gas-Water Fittings, Bushings, Pump Fixtures, Railroad Catenary Fittings, Valves.	Corrosion Resistance, Wear Resistance, Moderate Strength, Good Machinability, Corrosion Resistance to Salt Water.
 <p>Plumbing</p>	Plumbing Fixtures.	Appearance, Corrosion Resistance, Moderate Strength.

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## 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



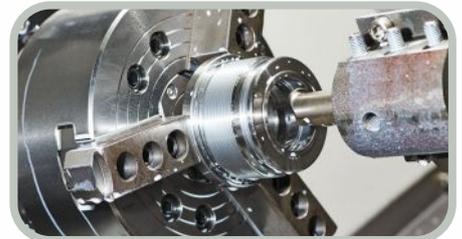
25 Grams to 10 Kgs

### Forging Sizes



50 Grams to 6 Kgs

### Machining Sizes



1 mm to 200 mm

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

Plot No. 4051-4055,  
Bhagwan Mahavir Swami Marg,  
G.I.D.C., Phase-III, Dared,  
Jamnagar - 361004, Gujarat, India.

+91 7600 55 9243 +91 288 2730868  
sales@adinathextrusion.com,  
marketing@adinathextrusion.com  
www.adinathextrusion.com

