



Adinath

Create, Enhance & Sustain

C-67300:MANGANESE BRONZE/HIGH TENSILE BRASS

Specification Sheet

DESCRIPTION

C67300 is a high strength leaded silicon manganese bronze which maintains high impact resistance with excellent machinability. It is also referred as Manganese Brass due to the content of Zinc and can be replaced with Phosphor Bronze in certain demanding applications.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si
Min (%)	58.00	-	-	-	2.00	Balance	0.40	-	0.50
Max (%)	63.00	0.25	0.50	0.25	3.50		3.00	0.30	1.50

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

COMPARATIVE SPECIFICATIONS

CDA: C67300	SAE: J461, J463	C66800
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
-	-	70

TYPICAL USES

Product Category	Product	Reason
<p>Fasteners</p>	Fasteners, Lead Screw Nuts.	Corrosion Resistance, Stress Corrosion Cracking Resistance, Machinability, High Strength.

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Product Category	Product	Reason
 <p>Industrial</p>	Bearings, Bearings Pins, Bushings, Clutch Bearings, Drive Shafts, Gears and Cams, Idler Pins, Piston Heads, Propeller Shafts, Pump Parts, Seal Rings, Shaft Bushings, Sleeve Bearings, Spindles, Thrust Bearings, Wear Plates.	Wear Resistance, Machinability, Strength, Corrosion Resistance, Low Co-efficient of Friction, Machinability Good, High Strength, Galling Resistance, Fatigue Strength, Ductility.
 <p>Marine</p>	Hardware, Valve Seats.	Corrosion Resistance, Corrosion Resistance to Salt Water, Machinability, High Strength, Wear Resistance, Ductility.
 <p>Others</p>	Connecting Rods.	Corrosion Resistance, Wear Resistance, Machinability, Fatigue Life, High Strength.

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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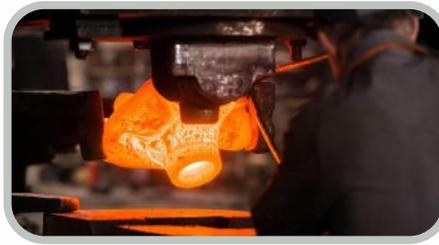
VALUE ADDED SERVICES

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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