



Adinath

Create, Enhance & Sustain

C-67400:MANGANESE BRONZE/HIGH TENSILE BRASS

Specification Sheet

DESCRIPTION

Manganese Bronze comes from a family of High Strength Copper Based alloys which include Manganese as the principal alloying element. These alloys generally have higher amount of zinc because of which they are also referred as High Tensile Brass and relatively smaller additions of Iron, Aluminium and Lead. Manganese Bronzes are most commonly used in applications which requires corrosion resistance, anti-seizing properties, coupled with higher strength.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si
Min (%)	57.00	0.50	-	-	2.00	Balance	-	-	0.50
Max (%)	60.00	2.00	0.35	0.25	3.50		0.50	0.30	1.50

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

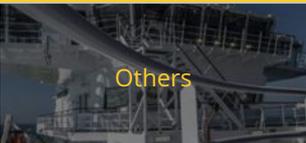
COMPARATIVE SPECIFICATIONS

CDA: C67400	SAE: J461, J463	C66800
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Fair	Good	30

TYPICAL USES

Product Category	Product	Reason
 Others	Connecting Rods.	Corrosion Resistance, Fatigue Life, High Strength.

C-67400:MANGANESE BRONZE /HIGH TENSILE BRASS

Product Category	Product	Reason
 <p>Industrial</p>	Bushings, Cams, Chain Guides, Food Conveyor Chain, Gears, Shafts, Wear Plates.	Bearing Properties Against Hardened Steel, Corrosion Resistance, Corrosion Resistance to Salt Water, Galling Resistance, Wear Resistance, High Strength, Fatigue 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.



VALUE ADDED SERVICES

Casting Range



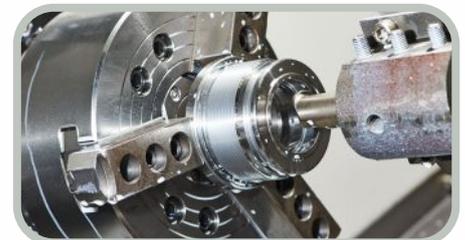
25 Grams to 10 Kgs

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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