



# Adinath

Create, Enhance & Sustain

## C-86550: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	0.70	-	0.10	Balance	-	-	-
Max (%)	-	2.50	2.00	1.00	3.00		0.50	1.00	0.10

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

#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Fair	Good	15

#### CASTING CHARACTERISTICS

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

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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



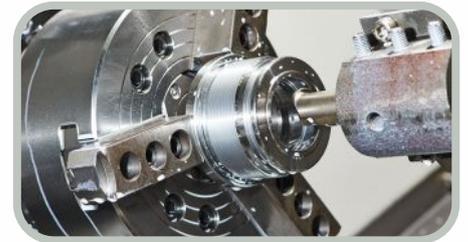
25 Grams to 10 Kgs

### Forging Sizes



50 Grams to 6 Kgs

### Machining Sizes



1 mm to 200 mm

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

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