



Adinath

Create, Enhance & Sustain

HTB-1:MANGANESE BRONZE/HIGH TENSILE BRASS

Specification Sheet

DESCRIPTION

Bs1400: HTB1 is a high tensile brass which has good resistance to corrosion and oxidation. Castings made from this alloy possess high strength and are cost effective as compared to other high strength alloys. HTB1 has been the standard propeller alloy for many years and are still in use because of the ease of casting. They are more highly alloyed and have considerably higher mechanical properties.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si	Oi
Min (%)	55.00	0.50	0.70	-	0.10	Balance	-	-	-	-
Max (%)	-	2.50	2.00	1.00	3.00		0.50	1.00	0.10	0.20

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

COMPARATIVE SPECIFICATIONS

AS 1565-1985 C86500	AS 1565-1974 865C	CuZn35Mn2Al1Fe1-C
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Fair	-	26

TYPICAL USES

Product Category	Product	Reason
Builders	Hardware Brackets.	Corrosion Resistance, Wear Resistance, High Strength.

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Product Category	Product	Reason
 <p>Electrical</p>	Electrical Hardware.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, High Strength.
 <p>Fasteners</p>	Weld Guns.	Thermal Conductivity, Corrosion Resistance, High Strength.
 <p>Industrial</p>	Struts, Machinery, Gears, Compressors, Forming Dies for Wood Pulp Industry, Wear Rings for Pressing Dies for Wood Pulp Industry, Pressing Dies for Wood Pulp, Hooks, Frames, Machinery Parts requiring High Strength, Machinery Parts (Substituted for Steel and Malleable Iron), Lever Arms.	Corrosion Resistance, Wear Resistance, High Strength, Thermal Conductivity.
 <p>Marine</p>	Boat Parts, Clamps, Covers for Marine Hardware, Marine Hardware, Rudders.	Corrosion Resistance, Corrosion Resistance to Salt Water, Wear Resistance, High Strength, Appearance.

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



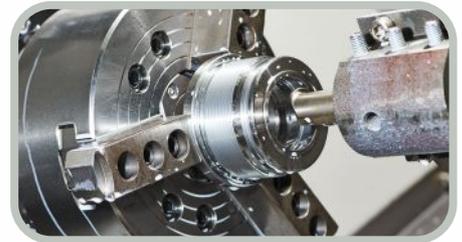
25 Grams to 10 Kgs

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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