



Adinath

Create, Enhance & Sustain

IS:3091 Aluminium Bronze Specification Sheet

DESCRIPTION

IS:3091 is the Indian Standard of Aluminium Bronze Ingots and castings used for Overhead Equipment fittings in Railway Electric Tractions.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Mn
Min (%)	Balance	9.00	4.00	0.10
Max (%)		11.00	5.00	0.50

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

COMPARATIVE SPECIFICATIONS

BS1400:AB1	OTHERS: ALUMINIUM BRONZE
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	Good	20

CASTING CHARACTERISTICS

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

IS:3091 Aluminium Bronze

TYPICAL USES

Product Category	Product	Reason
 <p>Industrial</p>	Marine, Oil and chemical industry as valve fittings, Pump rods, Bolts, Propellers, Propeller Shafts, Spark plug bodies, Heavy duty bearings, Gear wheels, Worm wheels, Valve seats, Pinions and non-sparking tools.	High strength, Good wear resistance Good corrosion resistance, High resistance to oxidation and Good strength at elevated temperatures.

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



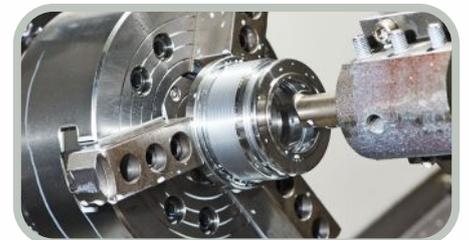
25 Grams to 10 Kgs

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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