

Material: BSI BS1400 HTB1 CuZn35AlFeMn

Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

Group: Non-Ferrous Copper Alloy

Sub Group: BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Tin	Sn %	1.000 max.
Lead	Pb %	0.050 max.
Nickel	Ni %	1.000 max.
Iron	Fe %	0.700 - 2.000
Aluminium	Al %	0.500 - 2.500
Manganese	Mn %	0.100 - 3.000
Silicon	Si %	0.100 max.
Other	Ot%	0.200 max.
Copper	Cu %	57.000 min.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast

Mechanical Properties	
Tensile Strength in Mpa	470 min.
Yield Strength in Mpa	170 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
865C	AS	Australia	Ingots and Casting
C86500	AS	Australia	Ingots and Casting
CuZn35AlFeMn	ISO	International	Ingots and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India