

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			Heat Treatment	
Tin	Sn %	1.000 max.	As-Cast	
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	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 -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
865C	AS	Australia	Ingot and Casting
C86500	AS	Australia	Ingot and Casting
CuZn35AlFeMn	ISO	International	Ingot and Casting
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