

Material: BSI BS1400 G3 CuSn7Ni5Zn3

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 %	6.500 - 7.500	As-Cast	
Zinc	Zn %	1.500 - 3.000		
Lead	Pb %	0.100 - 0.500		
Phosphorus	P %	0.020 max.		
Nickel	Ni %	5.250 - 5.750		
Aluminium	Al %	0.010 max.		
Manganese	Mn %	0.200 max.		
Silicon	Si %	0.020 max.		
Bismuth	Bi %	0.020 max.		
Sulphur	S %	0.100 max.		
Other	Ot%	0.500 max.	Mechanical Properties Tensile Strength in Mpa 280 min. Yield Strength in Mpa 140 min. Elongation in % 16 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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