

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		
Tin	Sn %	6.500 - 7.500
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.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
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