

# Material: BSI BS1400 CT1 CuSn10

## 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:** Casting

Chemical Composition		
Tin	Sn %	9.000 - 11.000
Zinc	Zn %	0.030 max.
Lead	Pb %	0.250 max.
Phosphorus	P %	0.150 max.
Nickel	Ni %	0.250 max.
Iron	Fe %	0.200 max.
Aluminium	Al %	0.010 max.
Manganese	Mn %	0.200 max.
Antimony	Sb %	0.200 max.
Silicon	Si %	0.010 max.
Sulphur	S %	0.050 max.
Other	Ot%	0.800 max.
Copper	Cu %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	240 min.
Yield Strength in Mpa	130 min.
Elongation in %	-
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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