



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## 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			Heat Treatment	
Tin	Sn %	9.000 - 11.000	As-Cast	
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.	<b>Mechanical Properties</b> Tensile Strength in Mpa      240 min. Yield Strength in Mpa      130 min. Elongation in %      - Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
Other	Ot%	0.800 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**