



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

## Material - BSI BS1400 LG1 CuSn3Pb5Zn8

**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 %	2.000 - 3.500	As-Cast	
Zinc	Zn %	7.000 - 9.500		
Lead	Pb %	4.000 - 6.000		
Nickel	Ni %	2.000 max.		
Aluminium	Al %	0.010 max.		
Fe + As + Sb	Fe+As+Sb	0.750 max.		
Silicon	Si %	0.020 max.		
Bismuth	Bi %	0.100 max.		
Sulphur	S %	0.100 max.		
Other	Ot%	1.000 max.		
Copper	Cu %	Balance	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	180 min.
-	-	-	Yield Strength in Mpa	80 min.
-	-	-	Elongation in %	11 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

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**