



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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	
Copper	Cu %	Balance	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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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email 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