



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BSI BS1400 CN1 CuNi30Cr

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	
Lead	Pb %	0.005 max.	As-Cast	
Phosphorus	P %	0.005 max.		
Nickel	Ni %	29.000 - 33.000		
Iron	Fe %	0.400 - 1.000		
Manganese	Mn %	0.400 - 1.000		
Silicon	Si %	0.200 - 0.400		
Bismuth	Bi %	0.002 max.		
Sulphur	S %	0.010 max.		
Carbon	C %	0.020 max.		
Chromium	Cr %	1.500 - 2.000		
Zirconium	Zr %	0.050 - 0.150	Mechanical Properties Tensile Strength in Mpa 480 min. Yield Strength in Mpa 300 min. Elongation in % 18 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Cobalt	Co %	0.050 max.		
Other	Ot%	0.200 max.		
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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