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		
Lead	Pb %	0.005 max.
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
Cobalt	Co %	0.050 max.
Other	Ot%	0.200 max.
-	-	-
-	-	-

Heat Treatment
As-Cast

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	-

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