



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

## Material - BS EN 1982 CuAl10FeNi5-C (CC333G)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Bismuth	Bi %	0.010 max.	As-Cast	
Chromium	Cr %	0.050 max.		
Magnesium	Mg %	0.050 max.		
Lead	Pb %	0.030 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.500 max.		
Manganese	Mn %	3.000 max.		
Nickel	Ni %	4.000 - 6.000	Mechanical Properties	
Iron	Fe %	4.000 - 5.500	Tensile Strength in Mpa	600 min.
Aluminium	Al %	8.500 - 10.500	Yield Strength in Mpa	250 min.
Copper	Cu %	76.000 - 83.000	Elongation in %	13 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	140 min.
-	-	-	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**