



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

## Material - ISO 1637 CuAl10Fe3

**Standard Specification for Wrought Copper and Copper Alloy Rod and Bar**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ISO 1637 Wrought Copper and Copper Alloy Rod and Bar**

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

**Grade Belongs to the Industry - Rod and Bar**

Chemical Composition			Heat Treatment	
Aluminium	Al %	8.500 - 9.500	As-Cast	
Iron	Fe %	2.500 - 4.000		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	1.000 max.		
Lead	Pb %	0.050 max.		
Silicon	Si %	0.250 max.		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	86.000 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	520 min.
-	-	-	Yield Strength in Mpa	210 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB1	BS	British	Casting
952C	AS	Australia	Ingot and Casting
C95210	AS	Australia	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**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**