



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

## Material - IS 10569 CuAl8Fe3

### Standard Specification for Aluminium Bronze Rods, Bars and Sections

Group - Non-Ferrous Copper Alloy

Sub Group - IS 10569 Aluminium Bronze Rods, Bars and Sections

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

Grade Belongs to the Industry - Rod, Bar and Section

Chemical Composition			Heat Treatment	
Lead	Pb %	0.050 max.	As Raw or Annealing	
Tin	Sn %	0.100 max.		
Silicon	Si %	0.150 max.		
Nickel	Ni %	0.500 max.		
Magnesium	Mg %	0.050 max.		
Zinc	Zn %	0.400 max.		
Manganese	Mn %	0.500 max.		
Iron	Fe %	2.000 - 3.500		
Aluminium	Al %	6.500 - 8.000	Mechanical Properties	
Other	Ot%	0.500 max.	Tensile Strength in Mpa	540 min.
Copper	Cu %	Balance	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	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**