



Material - IS 10569 CuAl10Fe3

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 %	0.100 max.		
Magnesium	Mg %	0.050 max.		
Zinc	Zn %	0.400 max.		
Manganese	Mn %	0.500 max.		
Iron + Nickel	Fe% + Ni%	4.000 max.		
Aluminium	Al %	8.500 - 10.000		
Other	Ot%	0.500 max.	Mechanical Properties	
Copper	Cu %	Balance	Tensile Strength in Mpa	600 min.
-	-	-	Yield Strength in Mpa	230 min.
-	-	-	Elongation in %	15 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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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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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

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