



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

## Material - IS 288

### Standard Specification for Arsenical Copper Rods for Boiler Stay Bolt and Rivets

Group - Non-Ferrous Copper Alloy

Sub Group - IS 288 Arsenical Copper Rods for Boiler Stay Bolt and Rivets

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Arsenic	As %	0.200 - 0.500	As Raw or Annealing	
Antimony	Sb %	0.050 max.		
Bismuth	Bi %	0.002 max.		
Oxygen	O %	0.100 max.		
Lead	Pb %	0.010 max.		
Copper + Silver	Cu% + Ag%	99.200 min.		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   195 min. Yield Strength in Mpa   - Elongation in %   35 min. Reduction of Area in %   - Hardness in BHN   - Impact in Joule   -	
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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 +91846916029, 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**