



## Material - BS 2874 CZ 133

### Standard Specification for Copper and Copper Alloy Rods and Sections

Group - Non-Ferrous Copper Alloy

Sub Group - BS 2874 Copper and Copper Alloy Rods and Sections

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

Grade Belongs to the Industry - Rod and Section

Chemical Composition			Heat Treatment	
Iron	Fe %	0.100 max.	Normalizing or Annealing or Tempering	
Other	Ot%	0.400 max.		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.500 - 1.000		
Copper	Cu %	59.000 - 62.000		
Zinc	Zn %	Balance		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      350 - 400 Yield Strength in Mpa      150 - 170 Elongation in %      20 - 25 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
CuZn39Sn	IS	India	Plate
B171 C46400	ASTM	USA	Plate and Sheet
B283 C46400	ASTM	USA	Forging
SB-171 C46400	ASME	USA	Plate and Sheet
SB-283 C46400	ASME	USA	Forging
F467 C46400	ASTM	USA	Nut
CuZn38Sn1	ISO	International	Rod and Bar

**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)**

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