

## Material: ASTM B124 UNS C46400

### Standard Specification for Copper and Copper Alloy Forging Rod, Bar, and Shapes

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B 124/B 124M Copper and Copper Alloy Forging Rod, Bar, and Shapes

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

**Belongs to the Industry:** Forging Rod, Bar and Shape

Chemical Composition			Heat Treatment	
Lead	Pb %	0.200 max.	Normalizing or Annealing or Tempering	
Tin	Sn %	0.500 - 1.000		
Iron	Fe %	0.100 max.		
Copper	Cu %	59.000 - 62.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b>	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C46400	UNS	USA	Forging Rod, Bar and Shape
B171 C46400	ASTM	USA	Plate and Sheet
B283 C46400	ASTM	USA	Forging
SB-171 C46400	ASME	USA	Plate and Sheet
CA464	SAE	USA	Forging Rod, Bar and Shape
CuZn38Sn1	ISO	International	Forging Rod, Bar and Shape
C 4640 P	JIS	Japan	Sheets, Plates and Strips

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)