



## Material - ASTM B124 UNS C63000

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

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B124 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 - Rod, Bar and Shape**

Chemical Composition			Heat Treatment	
Tin	Sn %	0.200 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	2.000 - 4.000		
Ni + Cu	Ni% + Cu%	4.000 - 5.500		
Silicon	Si %	0.250 max.		
Manganese	Mn %	1.500 max.		
Aluminium	Al %	9.000 - 11.000		
Zinc	Zn %	0.300 max.		
Copper	Cu %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	344 min.
-	-	-	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
B150 C63000	ASTM	USA	Rod, Bar and Shape
B171 C63000	ASTM	USA	Plate and Sheet
B283 C63000	ASTM	USA	Forging
SB-150 C63000	ASME	USA	Rod, Bar and Shape
SB-171 C63000	ASME	USA	Plate and Sheet
SB-283 C63000	ASME	USA	Forging
C63000	UNS	USA	Rod, Bar and Shape

**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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