



## Material - ASTM B124 UNS C62300

**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 %	0.600 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	2.000 - 4.000		
Ni + Cu	Ni% + Cu%	1.000 max.		
Silicon	Si %	0.250 max.		
Manganese	Mn %	0.500 max.		
Aluminium	Al %	8.500 - 10.000		
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 C62300	ASTM	USA	Rod, Bar and Shape
B283 C62300	ASTM	USA	Forging
SB-150 C62300	ASME	USA	Rod, Bar and Shape
SB-283 C62300	ASME	USA	Forging
C62300	UNS	USA	Rod, Bar and Shape
C62300	AS	Australia	Ingot and Casting
-	-	-	-

**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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