

# 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		
Tin	Sn %	0.600 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

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
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