

## Material: ASTM B124 UNS C64210

### 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	
Lead	Pb %	0.050 max.	Normalizing or Annealing or Tempering	
Tin	Sn %	0.200 max.		
Iron	Fe %	0.300 max.		
Ni + Cu	Ni% + Cu%	0.250 max.		
Silicon	Si %	1.500 - 2.200		
Manganese	Mn %	0.100 max.		
Arsenic	As %	0.150 max.		
Aluminium	Al %	6.300 - 7.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 344 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B150 C64210	ASTM	USA	Rod, Bar and Shape
B283 C64210	ASTM	USA	Forging
SB-150 C64210	ASME	USA	Rod, Bar and Shape
SB-283 C64210	ASME	USA	Forging
C64210	UNS	USA	Rod, Bar and Shape
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