



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.	Mechanical Properties	
Copper	Cu %	Balance	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 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
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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