



Material - UNS C63200

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 -7.600		
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
B124 C63200	ASTM	USA	Rod, Bar and Shapes
B150 C63200	ASTM	USA	Rod, Bar and Shapes
B171 C63200	ASTM	USA	Rod, Bar and Shapes
B283 C63200	ASTM	USA	Forging
SB-150 C63200	ASME	USA	Rod, Bar and Shape
SB-171 C63200	ASME	USA	Plate and Sheet
SB-283 C63200	ASME	USA	Forging

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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