



Material - ASTM B124 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 %	0.020 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	3.500 - 4.300		
Ni + Cu	Ni% + Cu%	4.000 - 4.800		
Silicon	Si %	0.10 max.		
Manganese	Mn %	1.200 - 2.000		
Aluminium	Al %	8.700 - 9.500		
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 C63200	ASTM	USA	Rod, Bar and Shape
B171 C63200	ASTM	USA	Plate and Sheet
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
C63200	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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