



## Material - ASTM B124 UNS C71520

**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 %	0.400 - 1.000		
Ni + Cu	Ni% + Cu%	29.000 - 33.000		
Manganese	Mn %	1.000 max.		
Sulphur	S %	0.020 max.		
Phosphorus	P %	0.020 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	65.000 min.		
-	-	-		
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
B151 C71520	ASTM	USA	Rod and Bar
B171 C71520	ASTM	USA	Plate and Sheet
B283 C71520	ASTM	USA	Forging
B466 C71520	ASTM	USA	Pipe and Tube
SB-151 C71520	ASME	USA	Rod and Bar
SB-171 C71520	ASME	USA	Plate and Sheet
SB-283 C71520	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](mailto:marketing@gravitycastindia.com)**

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