

Material - ASME SB-151 C71520

Standard Specification for Copper-Nickel-Zinc Alloy and Copper-Nickel Rod and Bar Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-151 Copper-Nickel-Zinc Alloy and Copper-Nickel Rod and Bar

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Rod and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.		
Iron	Fe %	0.400 - 1.000		
Manganese	Mn %	1.000 max.	Normalizing or Annealing or Tempering	
Ni + Co	Ni% + Co%	29.000 - 33.000		ng or Tempering
Phosphorus	Р%	0.020 max.		
Lead	Pb %	0.020 max.		
Sulphur	S %	0.020 max.		
Zinc	Zn %	0.500 max.		
Cu + Ag	Cu% + Ag%	65.000 min.	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 - 550
-	-	-	Yield Strength in Mpa	105 - 415
-	-	-	Elongation in %	7 - 30
-	-	-	Reduction of Area in %	-
-	-	-	Hardn <mark>ess in BH</mark> N	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
B124 C71520	ASTM	USA	Rod, Bar and Shapes	
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-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

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