

## 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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