



## Material - ASTM B 164 N04400

### Standard Specification for Nickel-Copper Alloy Rod, Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 164 N04400 Nickel-Copper Alloy Rod, Bar and Wire

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Rod, Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	2.000 max.		
Copper	Cu %	28.000 - 34.000		
Sulphur	S %	0.024 max.		
Iron	Fe %	2.500 max.		
Nickel	Ni %	63.000 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 - 965
-	-	-	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	60 - 95
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N04400	ASTM	USA	Tube
B 127 N04400	ASME	USA	Plate, Sheet and Strip
SB 163 N04400	ASTM	USA	Tube
Monel 400	SAE	USA	Sheet, Strip and Plate
SB 163 N04400	ASTM	USA	Tube
NW4400	JIS	Japan	Plate, Sheet and Strip
B 165 N04400	ASTM	USA	Pipe and Tube

**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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