Material - ASME SB-164 N04405

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

Group - Non-Ferrous Nickel Alloys
Sub Group - ASME SB-164 N04405 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 %	0.025 - 0.060		
Iron	Fe %	2.500 max.		
Aluminium	Al %	0.500 min.		
Lead	Pb %	0.006 max.		
Antimony	Sb %	0.006 max.	Mechanical Properties	
Zinc	Zn %	0.020 max.	Tensile Strength in Mpa	480 - 758
Nickel	Ni %	63.000 min.	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
N04405	UNS	USA	Bar and Forging
B 164 N04405	ASTM	USA	Rod, Bar and Wire
Monel Alloy R-405	Gravity	India	Rod, Bar and Wire
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-	-	-	-
-	-	-	-
-	-	-	-

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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