



Material - ASTM B 564 N04400

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - B 564 N04400 Nickel Alloy Forgings

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

Grade Belongs to the Industry - Forging

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.		
Iron	Fe %	2.500 max.		
Sulphur	S %	0.024 max.		
Copper	Cu %	28.000 - 34.000		
Nickel	Ni %	63.000 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	483 min.
-	-	-	Yield Strength in Mpa	172 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 164 N04400	ASTM	USA	Rod, Bar and Wire
B 165 N04400	ASTM	USA	Pipe and Tube
B 127 N04400	ASTM	USA	Plate, Sheet and Strip
B 725 N04400	ASTM	USA	Pipe
B 163 N04400	ASTM	USA	Tube
SB-163 N04400	ASME	USA	Tube
SB-165 N04400	ASME	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

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