



## Material - ASTM B 366 N06600

### Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 366 N06600 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 %	0.150 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 17.000		
Sulphur	S %	0.015 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	6.000 - 10.000		
Nickel	Ni %	72.000 min.		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	551.6 min.
-	-	-	Yield Strength in Mpa	241 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N06600	ASTM	USA	Forging
B 516 N06600	ASTM	USA	Tube
B 517 N06600	ASTM	USA	Pipe
B 564 N06600	ASTM	USA	Forging
B 751 N06600	ASTM	USA	Pipe
B 775 N06600	ASTM	USA	Pipe
B 829 N06600	ASTM	USA	Pipe

**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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