

Material: ASTM B 564 N08800

Standard Specification for Nickel Alloy Forgings

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 564 N08800 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 %	0.100 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Chromium	Cr %	19.000 - 23.000		
Sulphur	S %	0.015 max.		
Copper	Cu %	0.750 max.		
Aluminium	Al %	0.150 - 0.600		
Titanium	Ti %	0.150 - 0.600		
Iron	Fe %	39.500 max.		
Nickel	Ni %	30.000 - 35.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	517 min.
-	-	-	Yield Strength in Mpa	207 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 163 N08800	ASTM	USA	Tube
B 407 N08800	ASTM	USA	Pipe and Tube
B 408 N08800	ASTM	USA	Rod and Bar
B 409 N08800	ASTM	USA	Plate, Sheet and Strip
NAS 800	Gravity	India	Sheet
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com