

Material: ASTM B 622 N08031

Standard Specification for Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 622 N08031 Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube

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

Grade Belongs to the Industry: Pipe and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.300 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	26.000 - 28.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	6.000 - 7.000		
Phosphorus	P %	0.020 max.		
Nitrogen	N %	0.150 - 0.250		
Copper	Cu %	1.000 - 1.400		
Nickel	Ni %	30.000 - 32.000	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	650 min.
-	-	-	Yield Strength in Mpa	276 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N08031	ASTM	USA	Forging
B 472 N08031	ASTM	USA	Billets and Bars
B 649 N08031	ASTM	USA	Bar and Wire
B 462 N08031	ASTM	USA	Pipe Flanges, Forged Fittings and Valve
B 619 N08031	ASTM	USA	Pipe
B 626 N08031	ASTM	USA	Tube
SB-564 N08031	ASME	USA	Forging

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