



## Material - ASTM B 622 N06022

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 622 N06022 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 %	0.080 max.		
Manganese	Mn %	0.500 max.		
Cobalt	Co %	2.500 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	20.000 - 22.500		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	12.500 - 14.500		
Vanadium	V %	0.350 max.		
Tungsten	W %	2.500 - 3.500		
Iron	Fe %	2.000 - 6.000		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		

  

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	310 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 576 N06022	ASTM	USA	Forging
B 574 N06022	ASTM	USA	Rod
B 575 N06022	ASTM	USA	Plate, Sheet and Strip
B 462 N06022	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
B 619 N06022	ASTM	USA	Pipe
B 626 N06022	ASTM	USA	Tube
N06022	UNS	USA	Wire

**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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