



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-622 N06250

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-622 N06250 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 %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.090 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	20.000 - 23.000		
Molybdenum	Mo %	10.100 - 12.000		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.005 max.		
Tungsten	W %	0.250 - 1.250		
Copper	Cu %	0.250 - 1.250		
Nickel	Ni %	50.000 - 54.000		
Iron	Fe %	5.000 max.	Mechanical Properties Tensile Strength in Mpa 621 min. Yield Strength in Mpa 241 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Inconel 625	SAE	USA	Sheet, Strip and Plate
N06250	UNS	USA	Sheet, Strip and Plate
B622 N06250	ASTM	USA	Pipe and Tube
F3056 N06625 CLASS A	ASTM	USA	Pipe and Tube
F3056 N06625 CLASS B	ASTM	USA	Pipe and Tube
F3056 N06625 CLASS C	ASTM	USA	Pipe and Tube
SIMALLOY 625	SAE	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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