



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N08535

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

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N08535 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 %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	24.000 - 27.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	2.500 - 4.000		
Phosphorus	P %	0.030 max.		
Copper	Cu %	1.500 max.		
Nickel	Ni %	29.000 - 36.500		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 503 min. Yield Strength in Mpa 214 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
B 622 N08535	UNS	USA	Pipe and Tube
SB-622 N08535	ASME	USA	Pipe and Tube
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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.

ONE STOP SOLUTION FOR METAL PARTS