



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 619 N08320

Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 619 N08320 Nickel and Nickel-Cobalt Alloy Pipe

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

Grade Belongs to the Industry - Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.500 max.		
Chromium	Cr %	21.000 - 23.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	4.000 - 6.000		
Phosphorus	P %	0.040 max.		
Titanium	Ti %	4 × C min.		
Nickel	Ni %	25.000 - 27.000	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	517 min.
-	-	-	Yield Strength in Mpa	193 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 622 N08320	ASTM	USA	Pipe and Tube
B 626 N08320	ASTM	USA	Tube
B 620 N08320	ASTM	USA	Plate, Sheet and Strip
B 621 N08320	ASTM	USA	Rod
SB-619 N08320	ASME	USA	Pipe
SB-620 N08320	ASME	USA	Plate, Sheet and Strip
SB-622 N08320	ASME	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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