

Material: ASME SB-619 N08320

Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SB-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 Hardening	
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		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	517 min.
-	-	-	Yield Strength in Mpa	193 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	-
-	-	-	Impact in Joule	-

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

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