

# Material: ASME SB-619 N06455

## Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** ASME SB-619 N06455 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 %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Cobalt	Co %	2.000 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	14.000 - 18.000		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	14.000 - 17.000		
Iron	Fe %	3.000 max.		
Titanium	Ti %	0.700 max.	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	690 min.
-	-	-	Yield Strength in Mpa	276 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 574 N06455	ASTM	USA	Rod
B 575 N06455	ASTM	USA	Plate, Sheet and Strip
B 619 N06455	ASTM	USA	Pipe
B 622 N06455	ASTM	USA	Pipe and Tube
B 626 N06455	ASTM	USA	Tube
SB-575 N06455	ASME	USA	Plate, Sheet and Strip
SB-622 N06455	ASME	USA	Pipe and Tube

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