

# Material: ASTM B 622 N08135

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

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** ASTM B 622 N08135 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		
Carbon	C %	0.030 max.
Silicon	Si %	0.750 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	20.500 - 23.500
Sulphur	S %	0.030 max.
Molybdenum	Mo %	4.000 - 5.000
Phosphorus	P %	0.030 max.
Copper	Cu %	0.700 max.
Tungsten	W %	0.200 - 0.800
Nickel	Ni %	33.000 - 38.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N08135	UNS	USA	Pipe and Tube
SB-622 N08135	ASME	USA	Pipe and Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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