

Material: UNS N08135

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

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS 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			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
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	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
B 622 N08135	ASTM	USA	Pipe and Tube
SB-622 N08135	ASME	USA	Pipe and Tube
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