

## Material: ASME SB-622 N08535

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

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** ASME SB-622 N08535 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 %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	24.000 - 27.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	2.500 - 4.000		
Phosphorus	P %	0.030 max.		
Copper	Cu %	1.500 max.		
Nickel	Ni %	29.000 - 36.500		
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 N08535	UNS	USA	Pipe and Tube
N08535	UNS	USA	Pipe and Tube
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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India