

Material: UNS N08801

Standard Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tube

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N08801 Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tube

Application: Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry: Tube

Chemical Composition		
Carbon	C %	0.100 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Chromium	Cr %	19.000 - 22.000
Copper	Cu %	0.500 max.
Sulphur	S %	0.015 max.
Titanium	Ti %	0.750 - 1.500
Iron	Fe %	39.500 max.
Nickel	Ni %	30.000 - 35.000
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-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	
Mechanical Properties	
Tensile Strength in Mpa	448 min.
Yield Strength in Mpa	172 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N08801	ASTM	USA	Tube
B 407 N08801	ASTM	USA	Pipe and Tube
SB-163 N08801	ASME	USA	Tube
SB-407 N08801	ASTM	USA	Pipe and Tube
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