

Material: ASTM B 163 N02201

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 163 N02201 Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes

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

Grade Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.350 max.		
Manganese	Mn %	0.350 max.		
Copper	Cu %	0.250 max.		
Sulphur	S %	0.010 max.		
Iron	Fe %	0.400 max.		
Nickel	Ni %	99.000 min.		
-	-	-	Mechanical Properties Tensile Strength in Mpa 345 - 483 Yield Strength in Mpa 83 min. Elongation in % 4 min. Reduction of Area in % - Hardness in HRC 62 max. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 160 N02201	ASTM	USA	Rod and Bar
B 161 N02201	ASTM	USA	Pipe and Tube
B 162 N02201	ASTM	USA	Plate, Sheet, and Strip
N02201	UNS	USA	Pipe
SB-160 N02201	ASME	USA	Rod and Bar
NLCP	JIS	Japan	Plate, Sheet and Strip
NW2201	JIS	Japan	Plate, Sheet and Strip

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