

Material: ASTM B 163 N02200

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 163 N02200 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		
Carbon	C %	0.150 max.
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.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	379 - 552
Yield Strength in Mpa	103 min.
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in HRC	65 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 160 N02200	ASTM	USA	Rod and Bar
B 161 N02200	ASTM	USA	Pipe and Tube
B 162 N02200	ASTM	USA	Plate, Sheet and Strip
B 564 N02200	ASTM	USA	Forging
B 725 N02200	ASTM	USA	Pipe
N02200	UNS	USA	Pipe
NNCP	JIS	Japan	Sheet and Plate

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