

Material: ASTM B 163 N06600

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 163 N06600 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 %	0.150 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.000 max.
Copper	Cu %	0.500 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	14.000 - 17.000
Iron	Fe %	6.000 - 10.000
Nickel	Ni %	72.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	552 - 758
Yield Strength in Mpa	241 - 448
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in HRC	19 - 98
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 166 N06600	ASTM	USA	Rod, Bar and Wire
B 167 N06600	ASTM	USA	Pipe and Tube
SB-163 N06600	ASME	USA	Tube
B 168 N06600	ASTM	USA	Plate, Sheet and Strip
B 472 N06600	ASTM	USA	Bar
NiCr15Fe8	ISO	International	Plate, Sheet and Strip
NW6600	JIS	Japan	Plate, Sheet and Strip

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