

# Material: ASME SB-163 N06600

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

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** ASME SB-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 163 N06600	ASTM	USA	Tube
B 166 N06600	ASTM	USA	Rod, Bar and Wire
B 167 N06600	ASTM	USA	Pipe and 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

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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