

## 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			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning	
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.		
-	-	-		
			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

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)