

Material: ASTM B 163 N08810

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 163 N08810 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 %	0.050 - 0.100
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Copper	Cu %	0.750 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	19.000 - 23.000
Aluminium	Al %	0.150 - 0.600
Titanium	Ti %	0.150 - 0.600
Iron	Fe %	39.500 max.
Nickel	Ni %	30.000 - 35.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	
Mechanical Properties	
Tensile Strength in Mpa	448 min.
Yield Strength in Mpa	172 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 407 N08810	ASTM	USA	Pipe and Tube
B 408 N08810	ASTM	USA	Rod and Bar
B 409 N08810	ASTM	USA	Plate, Sheet and Strip
B 564 N08810	ASTM	USA	Forging
SB-163 N08810	ASME	USA	Tube
N08810	UNS	USA	Tube
-	-	-	-

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India