AMTECH
TECHNOCAST PVT. LTD.

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
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For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at +91 9879817994, or email us at manish@amtechtechnocast.com