GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 163 N08801

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

Group - Non-Ferrous Nickel Alloys
Sub Group - ASTM B 163 N08801 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 %	0.100 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Copper	Cu %	0.500 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	19.000 - 22.000
Titanium	Ti %	0.750 - 1.500
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 N08801	ASTM	USA	Pipe and Tube
SB-163 N08801	ASME	USA	Tube
N08801	UNS	USA	Tube
SB-407 N08801	ASTM	USA	Pipe and Tube
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.