



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 407 N08811

Standard Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 407 N08811 Nickel-Iron-Chromium Alloy Seamless Pipe and Tube

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Pipe and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 - 0.100	As-Cast or Annealing or Age Hardning	
Chromium	Cr %	19.000 - 23.000		
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Aluminium	Al %	0.150 - 0.600		
Sulphur	S %	0.015 max.		
Copper	Cu %	0.750 max.		
Titanium	Ti %	0.150 - 0.600		
Iron	Fe %	39.500 max.		
Al + Ti	Al % + Ti %	0.850 - 1.200		
Nickel	Ni %	30.000 - 35.000	Mechanical Properties Tensile Strength in Mpa 450 min. Yield Strength in Mpa 170 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N08811	ASTM	USA	Tube
B 408 N08811	ASTM	USA	Rod and Bar
B 409 N08811	ASTM	USA	Plate, Sheet and Strip
B 564 N08811	ASTM	USA	Forging
SB-163 N08811	ASME	USA	Tube
N08811	UNS	USA	Tube
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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