

Material - ASTM B 408 N08810

Standard Specification for Nickel-Iron-Chromium Alloy Rod and Bar

Group - Non-Ferrous Nickel Alloys

Sub Group - Standard Specification for Nickel-Iron-Chromium Alloy Rod and Bar

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

Grade Belongs to the Industry - Rod and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 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.		
Phosphorus	P %	0.045 max.		
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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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N08810	ASTM	USA	Tube
B 407 N08810	ASTM	USA	Pipe and Tube
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](tel:+919879817994), or email us at manish@amtechtechnocast.com

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