

Material: ASTM B 166 N06693

Standard Specification for Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 166 N06693 Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

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

Grade Belongs to the Industry: Rod, Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Copper	Cu %	0.500 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	27.000 - 31.000		
Aluminium	Al %	2.500 - 4.000		
Iron	Fe %	2.500 - 6.000		
Titanium	Ti %	1.000 max.		
Niobium	Nb %	0.500 - 2.500		
Nickel	Ni %	Balance	Mechanical Properties Tensile Strength in Mpa 690 min. Yield Strength in Mpa 345 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 167 N06693	ASTM	USA	Pipe and Tube
B 168 N06693	ASTM	USA	Plate, Sheet and Strip
B 516 N06693	ASTM	USA	Tube
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