

Material: ASTM B 166 N06601

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 N06601 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 %	0.100 max.	As-Cast or Annealing or Age Hardening	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Copper	Cu %	1.000 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	21.000 - 25.000		
Nickel	Ni %	58.000 - 63.000		
Aluminium	Al %	1.000 - 1.700		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	205 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 167 N06601	ASTM	USA	Pipe and Tube
B 168 N06601	ASTM	USA	Plate, Sheet and Strip
B 751 N06601	ASTM	USA	Rod, Bar and Wire
F 2281 601	ASTM	USA	Bolts, Screws and Stud
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Customer Care: +91-99090 45075 Email: info@icastllp.com