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		
Carbon	C %	0.100 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardening

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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