

Material: ASTM F 2281 601

Standard Specification for Stainless Steel and Nickel Alloy Bolts, Screw and Stud

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM F 2281 601 Stainless Steel and Nickel Alloy Bolts, Screw and Stud

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

Grade Belongs to the Industry: Bolts, Screw and Stud

Chemical Composition		
Carbon	C %	0.100 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	1.000 max.
Copper	Cu %	0.500 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 Hardning	

Mechanical Properties	
Tensile Strength in Mpa	571 min.
Yield Strength in Mpa	172 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRC	65 - 85
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 166 N06601	ASTM	USA	Rod, Bar and Wire
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
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-	-	-	-
-	-	-	-

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