

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			Heat Treatment	
Carbon	C %	0.100 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 %	0.015 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	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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