

Material: ASTM B 472 N06600

Standard Specification for Nickel Bar

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 472 N06600 Nickel Bar

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

Grade Belongs to the Industry: Bar

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 %	0.015 max.		
Chromium	Cr %	14.000 - 17.000		
Iron	Fe %	6.000 - 10.000		
Nickel	Ni %	72.000 min.		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	2 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	30 - 98
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N06600	ASTM	USA	Tube
B 166 N06600	ASTM	USA	Rod, Bar and Wire
B 167 N06600	ASTM	USA	Pipe and Tube
SB-163 N06600	ASME	USA	Tube
B 168 N06600	ASTM	USA	Plate, Sheet and Strip
NiCr15Fe8	ISO	International	Plate, Sheet and Strip
NW6600	JIS	Japan	Plate, Sheet and Strip

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