

Material - ASTM B 805 N07776

Standard Specification for Precipitation Hardening Nickel Alloys Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 805 N07776 Precipitation Hardening Nickel Alloys Bar and Wire

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

Grade Belongs to the Industry - Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	12.000 - 22.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	9.000 - 15.000		
Phosphorus	P %	0.030 max.		
Niobium	Nb %	4.000 - 6.000		
Titanium	Ti %	1.000 max.		
Aluminium	Al %	2.000 max.		
Tungsten	W %	0.500 - 2.500	Mechanical Properties Tensile Strength in Mpa 621 min. Yield Strength in Mpa 241 min. Elongation in % 20 min. Reduction of Area in % 30 min. Hardness in BHN - Impact in Joule -	
Nickel	Ni %	50.000 - 60.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N07776	UNS	USA	Bar and Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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