

Material: DIN 2.4375

Standard Specification for Nickel and Nickel Alloy Rods and Bars

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4375 Nickel and Nickel Alloy Rods and Bars

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

Grade Belongs to the Industry: Rod and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.500 max.		
Copper	Cu %	27.000 - 34.000		
Iron	Fe %	0.500 - 2.000		
Aluminium	Al %	2.200 - 3.500		
sulphur	S %	0.015 max.		
Titanium	Ti %	0.300 - 1.000		
Ni + Co	Ni% + Co%	63.000 min.		
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			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	620 min.
-	-	-	Yield Strength in Mpa	270 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	35 - 50
-	-	-	Hardness in BHN	180 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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