

Material: DIN 2.4611

Standard Specification for Nickel and Nickel Alloy Rod, Wire and Strips

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4611 Nickel and Nickel Alloy Rod, Wire and Strips

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

Grade Belongs to the Industry: Rod, Wire and Strips

Chemical Composition		
Carbon	C %	0.015 max.
Silicon	Si %	0.080 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	14.000 - 18.000
Iron	Fe %	3.000 max.
Molybdenum	Mo %	14.000 - 17.000
sulphur	S %	0.015 max.
Titanium	Ti %	0.200 - 0.700
Other	Ot%	0.500 max.
Ni + Co	Ni% + Co%	56.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	650 min.
Yield Strength in Mpa	300 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	60 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SG-NiMo16Cr16Ti	DIN	Germany	Rod, Wire and Strips
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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