

Material: DIN 2.4146

Standard Specification for Nickel and Nickel Alloys Wires

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4146 Nickel and Nickel Alloys Wires

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

Grade Belongs to the Industry: Wire

Chemical Composition		
Carbon	C %	0.050 max.
Silicon	Si %	0.400 - 0.650
Manganese	Mn %	1.300 - 1.800
Copper	Cu %	0.150 max.
Iron	Fe %	0.300 max.
Chromium	Cr %	1.400 - 1.800
sulphur	S %	0.005 max.
Titanium	Ti %	0.100 max.
Ni + Co	Ni% + Co%	95.500 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Yield Strength in Mpa	140 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr2MnSi	DIN	Germany	Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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