

## Material: DIN 2.4116

### Standard Specification for Nickel and Nickel Alloys Wires

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4116 Nickel and Nickel Alloys Wires

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

**Grade Belongs to the Industry:** Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.150 max.		
Manganese	Mn %	4.250 - 5.250		
Copper	Cu %	0.250 max.		
Iron	Fe %	0.350 max.		
Magnesium	Mg %	0.150 max.		
Sulphur	S %	0.010 max.		
Titanium	Ti %	0.100 max.		
Ni + Co	Ni% + Co%	94.000 min.		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	500 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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