

# Material: DIN 2.4617

## Standard Specification for Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4617 Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

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

**Grade Belongs to the Industry:** Plate, Sheet, Strip, Wire, Tube, Rod and Bars

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.080 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	1.000 max.
Molybdenum	Mo %	26.000 - 30.000
Cobalt	Co %	1.000 max.
Copper	Cu %	0.500 max.
Iron	Fe %	2.000 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	745 - 1000
Yield Strength in Mpa	370 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	250 max.
Impact in Joule	120 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
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