

Material: DIN 2.4618

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

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4618 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			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 - 2.000		
Chromium	Cr %	21.000 - 23.500		
Molybdenum	Mo %	5.500 - 7.500		
Cobalt	Co %	2.500 max.		
Copper	Cu %	1.500 - 2.500		
Iron	Fe %	18.000 - 21.000		
Phosphorus	P %	0.025 max.	Mechanical Properties	
Sulphur	S %	0.015 max.	Tensile Strength in Mpa	585 min.
Ni + Co	Ni% + Co%	1.750 - 2.500	Yield Strength in Mpa	205 min.
Tungsten	W %	1.000 max.	Elongation in %	30 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in HB	240 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr22Mo6Cu	DIN	Germany	Plate, Sheet, Strip, Wire, Tube, Rod and Bars
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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