

Material: DIN 2.4610

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4610 Nickel and Nickel Alloy Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Copper	Cu %	0.500 max.		
Chromium	Cr %	14.000 - 18.000		
Cobalt	Co %	2.000 max.		
Molybdenum	Mo %	14.000 - 17.000		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.015 max.		
Titanium	Ti %	0.700 max.		
Iron	Fe %	3.000 max.	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	680 - 900
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	240 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiMo16Cr16Ti	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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