

Material: DIN 2.4636

Standard Specification for NiCrCoMoTiAl Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4636 NiCrCoMoTiAl 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 %	0.120 - 0.200	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 16.000		
Aluminium	Al %	4.500 - 5.500		
Copper	Cu %	0.200 max.		
Cobalt	Co %	13.000 - 17.000		
Boron	B %	0.010 - 0.025		
Iron	Fe %	1.000 max.		
Molybdenum	Mo %	3.000 - 5.000		
Phosphorus	P %	0.045 max.	Mechanical Properties	
Sulphur	S %	0.030 max.	Tensile Strength in Mpa	-
Titanium	Ti %	3.500 - 4.500	Yield Strength in Mpa	-
Zirconium	Zr %	0.250 max.	Elongation in %	-
Nickel	Ni %	Balance	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCo 15 Cr 15 MoAlTi	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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