

Material: DIN 2.4600

Standard Specification for Nickel and Nickel-Iron Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4600 Nickel and Nickel-Iron Alloy Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Chemical Composition		
Carbon	C %	0.010 max.	Nickel	Ni %	65.000 min.
Silicon	Si %	0.100 max.	-	-	-
Manganese	Mn %	3.000 max.	-	-	-
Iron	Fe %	1.000 - 6.000	-	-	-
Molybdenum	Mo %	26.000 - 32.000	-	-	-
Aluminium	Al %	0.100 - 0.500	Heat Treatment		
Cobalt	Co %	3.000 max.	As-Cast or Annealing or Age Hardning		
Chromium	Cr %	0.500 - 3.000	Mechanical Properties		
Copper	Cu %	0.500 max.	Tensile Strength in Mpa	700 - 1000	
Phosphorus	P %	0.025 max.	Yield Strength in Mpa	325 min.	
Sulphur	S %	0.015 max.	Elongation in %	35 min.	
Titanium	Ti %	0.200 max.	Reduction of Area in %	-	
Vanadium	V %	0.200 max.	Hardness in BHN	250 max.	
Tungsten	W %	3.000 max.	Impact in Joule	-	
Nb + Ta	Nb% + Ta%	0.400 max.			

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiMo29Cr	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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