

Material: DIN 2.4603

Standard Specification for Nickel and Nickel-Iron Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4603 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			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	28.000 - 31.500		
Cobalt	Co %	5.000 max.		
Molybdenum	Mo %	4.000 - 6.000		
Iron	Fe %	13.000 - 17.000		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.020 max.		
Copper	Cu %	1.000 - 2.400		
Niobium	Nb %	0.300 - 1.500	Mechanical Properties	
Tungsten	W %	1.500 - 4.000	Tensile Strength in Mpa	-
Nickel	Ni %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr 30 FeMo	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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