

Material: DIN NiFe45

Standard Specification for Nickel and Nickel-Iron Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN NiFe45 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 %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.300 max.		
Manganese	Mn %	0.600 max.		
Iron	Fe %	44.000 - 46.000		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	250 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	150 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4472	DIN	Germany	Casting
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