

Material: DIN 2.4175

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4175 Nickel and Nickel-Copper 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 %	1.000 - 2.500	As-Cast or Annealing or Age Hardning	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Copper	Cu %	1.200 max.		
Iron	Fe %	1.000 max.		
Other	Ot%	0.200 max.		
Ni + Co	Ni% + Co%	93.000 min.		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	340 min.
-	-	-	Yield Strength in Mpa	160 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	85 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G-Ni93C	DIN	Germany	Casting
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