

Material: DIN 2.4625

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4625 Nickel and Nickel 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 %	0.200 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 - 3.500		
Chromium	Cr %	13.000 - 17.000		
Molybdenum	Mo %	1.000 - 3.500		
Copper	Cu %	0.500 max.		
Sulphur	S %	0.015 max.		
Iron	Fe %	12.000 max.		
Niobium	Nb %	1.000 - 3.500		
Other	Ot%	0.500 max.		
Nickel	Ni %	60.000 min.	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	650 min.
-	-	-	Yield Strength in Mpa	380 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	60 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
E Ni 6093	ISO	International	Casting
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