

Material: DIN 2.4632

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4632 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 %	0.130 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	18.000 - 21.000		
Aluminium	Al %	1.000 - 2.000		
Boron	B %	0.020 max.		
Copper	Cu %	0.200 max.		
Cobalt	Co %	15.000 - 21.000		
Iron	Fe %	1.500 max.		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.	Mechanical Properties Tensile Strength in Mpa 1100 min. Yield Strength in Mpa 700 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Titanium	Ti %	2.000 - 3.000		
Zirconium	Zr %	0.150 max.		
Nickel	Ni %	Balance		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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