

Material: ISO E Ni 6093

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: ISO E Ni 6093 (NiCr15Fe8NbMo) 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 - 5.000		
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	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4625	DIN	Germany	Casting
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