

Material: DIN 2.4669

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4669 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 %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 17.000		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.500 max.		
Aluminium	Al %	0.400 - 1.000		
Nb + Ta	Nb% + Ta%	0.700 - 1.200		
Iron	Fe %	5.000 - 9.000		
Phosphorus	P %	0.020 max.		
			Mechanical Properties	
Sulphur	S %	0.015 max.	Tensile Strength in Mpa	980 - 1200
Titanium	Ti %	2.250 - 2.750	Yield Strength in Mpa	630 min.
Nickel	Ni %	70.000 min.	Elongation in %	8 min.
-	-	-	Reduction of Area in %	28 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	22 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
UGI HT750	Gravity	India	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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