



Material - DIN NiCr23Fe

Standard Specification for Nickel and Chromium Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN NiCr23Fe Nickel and Chromium 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 %	0.100 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	21.000 - 25.000		
Copper	Cu %	0.500 max.		
Cobalt	Co %	1.500 max.		
Aluminium	Al %	1.000 - 1.700		
Boron	B %	0.006 max.		
Iron	Fe %	18.000 max.		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.	Mechanical Properties Tensile Strength in Mpa 550 - 750 Yield Strength in Mpa 205 min. Elongation in % 20 min. Reduction of Area in % - Hardness in HB 220 max. Impact in Joule -	
Titanium	Ti %	0.500 max.		
Nickel	Ni %	58.000 - 63.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4851	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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