

Material: DIN 2.4889

Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4889 Strips and Sheets of Nickel and Nickel Alloys

Application: Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry: Strip and Sheet

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.120	As-Cast or Annealing or Age Hardning	
Silicon	Si %	2.500 - 3.000		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	26.000 - 29.000		
Cobalt	Co %	1.500 max.		
Iron	Fe %	21.000 - 25.000		
Cerium	Ce %	0.030 - 0.090		
Copper	Cu %	0.300 max.		
Phosphorus	P %	0.020 max.		
Nickel	Ni %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	620 - 820
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	220 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4889	GOST	Russia	Casting
NiCr28FeSiCe	GOST	Russia	Casting
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