

Material: DIN 2.4663

Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4663 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 - 0.100	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.200 max.		
Manganese	Mn %	0.200 max.		
Chromium	Cr %	20.000 - 23.000		
Cobalt	Co %	11.000 - 14.000		
Copper	Cu %	0.500 max.		
Molybdenum	Mo %	8.500 - 10.000		
Aluminium	Al %	0.700 - 1.400		
Boron	B %	0.006 max.		
Iron	Fe %	2.000 max.	Mechanical Properties	
Phosphorus	P %	0.010 max.	Tensile Strength in Mpa	680 - 1000
Sulphur	S %	0.010 max.	Yield Strength in Mpa	330 min.
Titanium	Ti %	0.200 - 0.600	Elongation in %	20 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in HB	250 min.
			Impact in Joule	80 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr23Co12Mo	DIN	Germany	Strip and Sheet
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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