

Material: DIN 2.4665

Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4665 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 - 0.150	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	20.500 - 23.000		
Cobalt	Co %	0.500 - 2.500		
Copper	Cu %	0.500 max.		
Molybdenum	Mo %	8.000 - 10.000		
Aluminium	Al %	0.500 max.		
Boron	B %	0.010 max.		
Iron	Fe %	17.000 - 20.000	Mechanical Properties	
Phosphorus	P %	0.020 max.	Tensile Strength in Mpa	660 min.
Sulphur	S %	0.015 max.	Yield Strength in Mpa	240 min.
Tungsten	W %	0.200 - 1.000	Elongation in %	20 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Hastelloy X	SAE	USA	Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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