

## Material: DIN 2.4858

### Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4858 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 %	0.025 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	19.500 - 23.500		
Copper	Cu %	1.500 - 3.000		
Cobalt	Co %	1.000 max.		
Aluminium	Al %	0.200 max.		
Molybdenum	Mo %	2.500 - 3.500		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.010 max.		
			Mechanical Properties	
Titanium	Ti %	0.600 - 1.200	Tensile Strength in Mpa	500 - 750
Nickel	Ni %	38.000 - 46.000	Yield Strength in Mpa	220 min.
Iron	Fe %	Balance	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	210 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr21Mo	DIN	Germany	Strip and Sheet
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-	-	-	-
-	-	-	-
-	-	-	-
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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)