

# Material: DIN 2.4605

## Standard Specification for Nickel Base Alloy Plate, Sheet, Strip, Bars and Forgings

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4605 Nickel Base Alloy Plate, Sheet, Strip, Bars and Forgings

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

**Grade Belongs to the Industry:** Plate, Sheet, Strip, Bar and Forging

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.100 max.
Manganese	Mn %	0.500 max.
Chromium	Cr %	22.000 - 24.000
Cobalt	Co %	0.300 max.
Aluminium	Al %	0.100 - 0.400
Molybdenum	Mo %	15.000 - 16.500
Iron	Fe %	1.500 max.
Phosphorus	P %	0.015 max.
Sulphur	S %	0.010 max.
Copper	Cu %	0.500 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	650 - 900
Yield Strength in Mpa	320 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	240 max.
Impact in Joule	180 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr23Mo16Al	DIN	Germany	Plate, Sheet, Strip, Bar and Forging
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India