

## Material: DIN NiCr23Mo16Al

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

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN NiCr23Mo16Al 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			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
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.	<b>Mechanical Properties</b> Tensile Strength in Mpa 690 min. Yield Strength in Mpa 320 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN 240 max. Impact in Joule -	
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.		
Copper	Cu %	0.500 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4605	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)