

Material: DIN 2.4675

Standard Specification for NiCr23Mo16Cu Strip, Sheet, Forging and Rod

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4675 NiCr23Mo16Cu Strip, Sheet, Forging and Rod

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

Grade Belongs to the Industry: Strip, Sheet, Forging and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	22.000 - 24.000		
Cobalt	Co %	2.000 max.		
Aluminium	Al %	0.500 max.		
Copper	Cu %	1.300 - 1.900		
Molybdenum	Mo %	15.000 - 17.000		
Iron	Fe %	3.000 max.	Mechanical Properties	
Phosphorus	P %	0.025 max.	Tensile Strength in Mpa	690 - 950
Sulphur	S %	0.015 max.	Yield Strength in Mpa	330 min.
Nickel	Ni %	Balance	Elongation in %	45 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	240 min.
-	-	-	Impact in Joule	120 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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