

Material: DIN NiCr22Mo7Cu

Standard Specification for Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN NiCr22Mo7Cu Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

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

Grade Belongs to the Industry: Plate, Sheet, Strip, Wire, Tube, Rod and Bars

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	21.000 - 23.500		
Molybdenum	Mo %	6.000 - 8.000		
Cobalt	Co %	5.000 max.		
Copper	Cu %	1.500 - 2.500		
Iron	Fe %	18.000 - 21.000		
Phosphorus	P %	0.025 max.		
			Mechanical Properties	
Sulphur	S %	0.015 max.	Tensile Strength in Mpa	585 min.
Nb + Ta	Ni% + Co%	0.500 max.	Yield Strength in Mpa	205 min.
Tungsten	W %	1.500 max.	Elongation in %	35 min.
Nickel	Ni %	Balance	Reduction of Area in %	-
-	-	-	Hardness in HB	240 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4619	DIN	Germany	Plate, Sheet, Strip, Wire, Tube, Rod and Bars
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