

Material: DIN NiCr21Mo14W

Standard Specification for Nickel, Molybdenum and Chromium Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN NiCr21Mo14W Nickel, Molybdenum and Chromium Alloy Casting

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

Grade Belongs to the Industry: Casting

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 %	20.000 - 22.500		
Cobalt	Co %	2.500 max.		
Molybdenum	Mo %	12.500 - 14.500		
Iron	Fe %	2.000 - 6.000		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.015 max.		
Vanadium	V %	0.350 max.		
			Mechanical Properties	
Tungsten	W %	2.500 - 3.500	Tensile Strength in Mpa	690 min.
Nickel	Ni %	Balance	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	240 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4602	DIN	Germany	Casting
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