

Material: DIN 2.4642

Standard Specification for Nickel and Chromium Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4642 Nickel 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 %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	27.000 - 31.000		
Aluminium	Al %	0.500 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	7.000 - 11.000		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Nickel	Ni %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	590 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr29Fe	DIN	Germany	Casting
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-	-	-	-
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-	-	-	-
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