

# 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		
Carbon	C %	0.050 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

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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