

# Material: DIN 2.4170

## Standard Specification for Nickel and Nickel-Copper Alloy Casting

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4170 Nickel and Nickel-Copper Alloy Casting

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

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	1.000 max.
Silicon	Si %	2.000 max.
Manganese	Mn %	1.500 max.
Copper	Cu %	1.200 max.
Iron	Fe %	1.000 max.
Other	Ot%	0.200 max.
Ni + Co	Ni% + Co%	95.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	320 min.
Yield Strength in Mpa	120 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HRB	80 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G-Ni95	DIN	Germany	Casting
-	-	-	-
-	-	-	-
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-	-	-	-
-	-	-	-
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