

## Material: DIN G-Ni93C

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

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4175 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			Heat Treatment	
Carbon	C %	1.000 - 2.500	As-Cast or Annealing or Age Hardning	
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%	93.000 min.		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 340 min. Yield Strength in Mpa 160 min. Elongation in % 10 min. Reduction of Area in % - Hardness in HRB 85 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4175	DIN	Germany	Casting
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