



Material - DIN 2.4180

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4180 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 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	5.500 - 6.500		
Manganese	Mn %	1.500 max.		
Copper	Cu %	1.200 max.		
Iron	Fe %	1.000 max.		
Other	Ot%	0.200 max.		
Ni + Co	Ni% + Co%	90.000 min.		
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-	-	-	Mechanical Properties Tensile Strength in Mpa 500 min. Yield Strength in Mpa 350 min. Elongation in % 3 min. Reduction of Area in % - Hardness in HRB 180 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G-Ni90Si	DIN	Germany	Casting
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-	-	-	-
-	-	-	-
-	-	-	-
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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