

## Material: DIN G X 32 CrNi 28-10

### Standard Specification for High Alloyed NiCr Stainless Steel

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** DIN G X 32 CrNi 28-10 High Alloyed NiCr Stainless Steel

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

**Grade Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.250 - 0.400	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.200 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	27.000 - 29.000		
Nickel	Ni %	9.000 - 11.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G X 35 CrNi 28-09	UNI	Italy	Casting
J93303	UNS	USA	Casting
1.4339	DIN	Germany	Casting
309	SAE	USA	Bar, Wire, Shape and Forging
309	AMS	USA	Bar, Wire, Shape and Forging
309	AMS	USA	Bar, Wire, Shape and Forging
A447	ASTM	USA	Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)