

Material: AMS 309

Standard Specification for Steel, Corrosion Resistant, Bars, Wire, Shapes and Forgings

Group: Ferrous Stainless Steel Alloys

Sub Group: AMS 309 Steel, Corrosion Resistant, Bars, Wire, Shapes and Forgings

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

Grade Belongs to the Industry: Bar, Wire, Shape and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 24.000		
Molybdenum	Mo %	1.000 max.		
Nickel	Ni %	12.000 - 15.000		
Copper	Cu %	1.000 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 517 min. Yield Strength in Mpa 207 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
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
G X 32 CrNi 28-10	DIN	Germany	Casting
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