

Material: SAE J403 | SAE J1397 UNS G12144 - Hot Rolled

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE J403 | SAE J1397 UNS G12144 - Hot Rolled Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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

Grade Belongs to the Industry: Bars, Wire Rods, Plates, Strip, Sheets and Tubing

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.850 - 1.050		
Phosphorus	P %	0.040 - 0.090		
Sulphur	S %	0.260 - 0.350		
Lead	Pb %	0.150 - 0.350		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 390 min. Yield Strength in Mpa 230 min. Elongation in % 22 min. Reduction of Area in % 45 min. Hardness in BHN 121 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
12L14	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
12L14	AISI	USA	Steel and Bar
A 1040 12L14	ASTM	USA	Steel
SA-29 12L14	ASME	USA	Steel
A 510 12L14	ASTM	USA	Wire Rod, Round Wire and Steel
A 519 12L14	ASTM	USA	Tubing
A 576 12L14	ASTM	USA	Steel and Bar

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