

**Material: SAE J403 | SAE J1397 UNS G11440 - 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 G11440 - 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 %	0.400 - 0.480	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.350 - 1.650		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.240 - 0.330		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		670 min.		
Yield Strength in Mpa		370 min.		
Elongation in %		15 min.		
Reduction of Area in %		35 min.		
Hardness in BHN		197 max.		
Impact in Joule		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1144	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1144	AISI	USA	Steel and Bar
A 1040 1144	ASTM	USA	Steel
A 108 Grade 1144	ASTM	USA	Steel and Bar
A 29 1144	ASTM	USA	Steel and Bar
A 311 1144 Class A	ASTM	USA	Steel and Bar
A 311 1144 Class B	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