

**Material: SAE J403 | SAE J1397 UNS G15410 - 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 G15410 - 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 %	0.360 - 0.440	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	1.350 - 1.650	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.050 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			Tensile Strength in Mpa
			630 min.
			Yield Strength in Mpa
			350 min.
			Elongation in %
			15 min.
			Reduction of Area in %
			40 min.
			Hardness in BHN
			187 max.
			Impact in Joule
			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1541	SAE	USA	Bars, Plates, Strip, Sheets, Tubing and Forging
1541	AISI	USA	Bar and Steel
A 29 1541	ASTM	USA	Bar and Steel
A 311 1541 Class A	ASTM	USA	Bar and Steel
A 311 1541 Class B	ASTM	USA	Bar and Steel
A 830 G15410	ASTM	USA	Plate and Steel
A 510 1541	ASTM	USA	Wire Rod, Round Wire and Steel

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