

## Material: SAE J403 | SAE J1397 UNS G11410 - 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 G11410 - 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 %	0.370 - 0.450	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.350 - 1.650		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.080 - 0.130		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 650 min. Yield Strength in Mpa 360 min. Elongation in % 15 min. Reduction of Area in % 35 min. Hardness in BHN 187 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1141	SAE	USA	Steel
1141	AISI	USA	Steel and Bar
A 1040 1141	ASTM	USA	Steel
A 108 Grade 1141	ASTM	USA	Steel and Bar
A 29 1141	ASTM	USA	Steel and Bar
A 311 1141 Class A	ASTM	USA	Steel and Bar
A 311 1141 Class B	ASTM	USA	Steel and Bar

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