

**Material: SAE J403 | SAE J1397 UNS G10370 - Cold Drawn  
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 G10370 - Cold Drawn 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 %	0.280 - 0.380	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.700 - 1.000	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.050 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			570 min.
Yield Strength in Mpa			460 min.
Elongation in %			12 min.
Reduction of Area in %			35 min.
Hardness in HB			167 max.
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1037	SAE	USA	Steel
1037	AISI	USA	Steel and Bar
A 1040 1037	ASTM	USA	Steel
A 29 1037	ASTM	USA	Steel and Bar
A 510 1037	ASTM	USA	Wire Rod and Round Wire
A 576 10L37	ASTM	USA	Steel and Bar
A 830 1037	ASTM	USA	Plate

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