

# 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		
-	-	-		
-	-	-	<b>Mechanical Properties</b> 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 -	
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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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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)