

Material: SAE J403 | SAE J1397 UNS G10370 - 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 G10370 - 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 %	0.280 - 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	510 min.
-	-	-	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in HB	143 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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