

Material: SAE J403 | SAE J1397 UNS G10060 - Hot Rolled

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets, Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE J403 | SAE J1397 G10060 - Hot Rolled - 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 %	0.080 max.	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.250 - 0.400		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	300 min.
-	-	-	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	55 min.
-	-	-	Hardness in HB	86 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10060	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1006	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 510 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 830 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 830 G10600	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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Customer Care: +91-99090 45075 Email: info@icastllp.com