

**Material: SAE J403 | SAE J1397 UNS G10950 - Hot Rolled
Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Bars, To
Wire Rods, Plates, Strip, Sheets and Tubing**

Group: Ferrous Mild Steel Alloys

Sub Group: SAE J403 / SAE J1397 UNS G10950 - Hot Rolled Carbon Steel Compositions For Forging To Hot-Rolled Bars, To 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 %	0.900 - 1.030	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.500		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa			830 min.	
Yield Strength in Mpa			460 min.	
Elongation in %			10 min.	
Reduction of Area in %			25 min.	
Hardness in BHN			248 max.	
Impact in Joule			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1095	SAE	USA	Strip and Steel
1095	AISI	USA	Steel and Bar
A 1040 1095	ASTM	USA	Steel
A 108 Grade 1095	ASTM	USA	Steel and Bar
A 29 1095	ASTM	USA	Steel and Bar
A 510 1095	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 10L95	ASTM	USA	Steel and Bar

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