

## Material: SAE J403 | SAE J1397 UNS G10650 - 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 G10650 - 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 %	0.600 - 0.700	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 690 min. Yield Strength in Mpa 380 min. Elongation in % 12 min. Reduction of Area in % 30 min. Hardness in BHN 207 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1065	SAE	USA	Plate, Strip, Sheet and Tubing
1065	AISI	USA	Steel and Bar
A 830 G10650	ASTM	USA	Plate and Steel
A 713 G10650	ASTM	USA	Steel and wire
A 682 G10650	ASTM	USA	Steel and Strip
A 682 Grade 1065	ASTM	USA	Steel and Strip
A 684 Grade 1065	ASTM	USA	Steel and Strip

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)