

## Material - SAE J403 I SAE J1397 UNS G10780 - 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 I SAE J1397 UNS G10780 - Hot Rolled Carbon Steel Compositions For Forging To Hot-Rolled 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 %	0.700 - 0.850		
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.030 max.	As Daw or Annualing or Normalizing or Hardening on	lizing or Hardoning and
Sulphur	S %	0.050 max.	As Raw or Annealing or Normalizing or Hardening an	
Iron	Fe %	Balance	Tempering	g
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	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	-
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Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
1078	SAE	USA	Steel		
1078	AISI	USA	Steel and Bar		
A 830 G10780	ASTM	USA	Plate and Steel		
A 713 G10780	ASTM	USA	Steel and Wire		
A 576 10L78	ASTM	USA	Steel and Bar		
A 830 1078	ASTM	USA	Plate and Steel		
A 713 Grade 1078	ASTM	USA	Steel and Wire		

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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