

## Material: SAE J403 UNS G11180

### 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 UNS G11180 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 %	0.140 - 0.200	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.300 - 1.600		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.080 - 0.130		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1118	SAE	USA	Steel
1118	AISI	USA	Steel
A 576 1118	ASTM	USA	Steel and Bar
A 1040 1118	ASTM	USA	Steel
A 108 Grade 1118	ASTM	USA	Steel and Bar
A 29 1118	ASTM	USA	Steel and Bar
A 510 1118	ASTM	USA	Wire Rod, Round Wire and Steel

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