

## Material: SAE J403 | SAE J1397 UNS G15520 - Cold Drawn 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 | SAE J1397 UNS G15520 - Cold Drawn 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 %	0.470 - 0.550	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.200 - 1.500		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	680 min.
-	-	-	Yield Strength in Mpa	570 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in BHN	193 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1552	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1552	AISI	USA	Steel and Bar
A 29 1552	ASTM	USA	Steel and Bar
A 510 1552	ASTM	USA	Wire Rod, Round Wire and Steel
A 830 1552	ASTM	USA	Plate and Steel
A 830 G15520	ASTM	USA	Plate and Steel
A 866 1552	ASTM	USA	Steel

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