

Material: SAE J403 UNS G15220

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 UNS G15220 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 %	0.180 - 0.240	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	1.100 - 1.140	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.050 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			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
1522	SAE	USA	Bars, Wire Rod and Tubing
1522	AISI	USA	Steel and Bar
A 29 1522	ASTM	USA	Steel and Bar
A 510 1522	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 15L22	ASTM	USA	Steel and Bar
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