

Material: SAE 1215

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 1215 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 %	0.090 max.	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.750 - 1.050	
Phosphorus	P %	0.040 - 0.090	
Sulphur	S %	0.260 - 0.350	
Lead	Pb %	0.150 - 0.350	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			-
Yield Strength in Mpa			-
Elongation in %			-
Reduction of Area in %			-
Hardness in HB			110 - 255
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G12150	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1215	AISI	USA	Steel and Bar
A 1040 1215	ASTM	USA	Steel
A 576 1215	ASTM	USA	Steel and Bar
SA-29 1215	ASME	USA	Steel
A 108 Grade 1215	ASTM	USA	Steel and Bar
A 29 1215	ASTM	USA	Steel and Bar

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