

Material: ASTM A 1040 1215

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 1040 1215 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Steel

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		
Silicon	Si %	0.100 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-	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	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1215	AISI	USA	Steel and Bar
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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