

Material: ASTM A 29 M1015

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 29 M1015 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

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

Grade Belongs to the Industry: Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 - 0.190	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.250 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Aluminium	Al %	0.020 max.		
Niobium	Nb %	0.025 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 310 - 655 Yield Strength in Mpa 190 min. Elongation in % 5 min. Reduction of Area in % 40 - 50 Hardness in HB 241 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10150	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1015	SAE	USA	Steel, Bar, Forging and Tubing
1015	AISI	USA	Tubing
A 1040 1015	ASTM	USA	Steel
A 108 Grade 1015	ASTM	USA	Steel and Bar
A 29 1015	ASTM	USA	Steel and Bar
A 512 Grade 1015	ASTM	USA	Tubing

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