

Material: ASTM A 510 1017

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod and Round Wire

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1017 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod and Round Wire

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

Grade Belongs to the Industry: Wire Rod and Round Wire

Chemical Composition			Heat Treatment
Carbon	C %	0.150 - 0.200	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.300 - 0.600	
Phosphorus	P %	0.040 Max.	
Sulphur	S %	0.050 max.	
Boron	B %	0.0008 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			370 - 410
Yield Strength in Mpa			200 min.
Elongation in %			18 min.
Reduction of Area in %			40 - 50
Hardness in HB			105 - 116
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10170	UNS	USA	Bars, Wire Rods and Tubing
1017	SAE	USA	Steel and Bar
1017	AISI	USA	Tubing
A 1040 1017	ASTM	USA	Steel
A 29 1017	ASTM	USA	Steel and Bar
A 29 M1017	ASTM	USA	Steel and Bar
A 513 Grade 1017	ASTM	USA	Tubing

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