

Material: ASTM A 510 1552

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1552 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod, Round Wire and Steel

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

Grade Belongs to the Industry: Wire Rod, Round Wire and Steel

Chemical Composition			Heat Treatment
Carbon	C %	0.470 - 0.550	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	1.200 - 1.500	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			Tensile Strength in Mpa
			680 - 740
			Yield Strength in Mpa
			410 min.
			Elongation in %
			10 min.
			Reduction of Area in %
			30 - 40
			Hardness in HB
			193 - 217
			Impact in Joule
			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15520	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1552	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1552	AISI	USA	Steel and Bar
A 29 1552	ASTM	USA	Steel and Bar
A 830 1552	ASTM	USA	Plate and Steel
A 830 G15520	ASTM	USA	Plate and Steel
A 866 1552	ASTM	USA	Steel

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