

Material: ASTM A 510 1524

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Wire Rods, Round Wire and Steel

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1524 Carbon Steel Compositions For Forging To Hot-Rolled Wire Rods, Round Wire and Steel

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

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

Chemical Composition			Heat Treatment
Carbon	C %	0.190 - 0.250	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	1.350 - 1.650	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			510 - 570
Yield Strength in Mpa			280 min.
Elongation in %			12 min.
Reduction of Area in %			35 - 42
Hardness in HB			149 - 163
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15240	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1524	SAE	USA	Steel
1524	AISI	USA	Steel and Bar
A 29 1524	ASTM	USA	Steel and Bar
A 830 G15240	ASTM	USA	Plate and Steel
A 513 Grade 1524	ASTM	USA	Tubing
A 519 1524	ASTM	USA	Tubing

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