

Material: ASTM A 519 1524

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 519 1524 Carbon Steel Compositions For Forging To Hot-Rolled Tubing

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

Grade Belongs to the Industry: Tubing

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	450 min
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	35 - 42
-	-	-	Hardness in HRC	75 - 88
-	-	-	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 510 1524	ASTM	USA	Wire Rod, Round Wire and Steel
A 830 G15240	ASTM	USA	Plate and Steel
A 513 Grade 1524	ASTM	USA	Tubing

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