

Material: ASTM A 311 1541 Class A

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 311 1541 Class A Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bar and Steel

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

Grade Belongs to the Industry: Bar and Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.360 - 0.440	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 585 min. Yield Strength in Mpa 520 min. Elongation in % 10 min. Reduction of Area in % 30 min. Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15410	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1541	SAE	USA	Bars, Plates, Strip, Sheets, Tubing and Forging
1541	AISI	USA	Bar and Steel
A 29 1541	ASTM	USA	Bar and Steel
A 311 1541 Class B	ASTM	USA	Bar and Steel
A 830 G15410	ASTM	USA	Plate and Steel
A 510 1541	ASTM	USA	Wire Rod, Round Wire and Steel

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