

Material: ASTM A 29 1536

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 29 1536 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

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

Grade Belongs to the Industry: Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 - 0.370	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.		
Boron	B %	0.0005 - 0.003		
Aluminium	Al %	0.020 max.		
Copper	Cu %	0.200 max.		
Niobium	Nb %	0.015 max.		
Silicon	Si %	0.100 max.		
Vanadium	V %	0.020 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	570 - 630
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	35 - 40
-	-	-	Hardness in HB	163 - 187
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15360	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1536	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1536	AISI	USA	Wire Rod, Round Wire and Steel
A 510 1536	ASTM	USA	Wire Rod, Round Wire and Steel
A 576 15L36	ASTM	USA	Steel and Bar
A 830 1536	ASTM	USA	Plate and Steel
A 830 G15360	ASTM	USA	Plate and Steel

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