

Material: ASTM A 830 1536

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 830 1536 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Plate and Steel

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

Grade Belongs to the Industry: Plate and Steel

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.		
Iron	Fe %	Balance		
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-	-	-	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 -	
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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 29 1536	ASTM	USA	Steel and Bar
A 510 1536	ASTM	USA	Wire Rod, Round Wire and Steel
A 576 15L36	ASTM	USA	Steel and Bar
A 830 G15360	ASTM	USA	Plate and Steel

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