

Material: SAE 1566

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1566 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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

Grade Belongs to the Industry: Bars, Wire Rods, Plates, Strip, Sheets and Tubing

Chemical Composition			Heat Treatment
Carbon	C %	0.600 - 0.710	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.850 - 0.710	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.035 max.	
Boron	B %	0.0005 - 0.003	
Lead	Pb %	0.150 - 0.350	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			1960 - 2240
Yield Strength in Mpa			-
Elongation in %			-
Reduction of Area in %			-
Hardness in BHN			-
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15660	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1566	AISI	USA	Steel and Bar
A 29 1566	ASTM	USA	Steel and Bar
A 510 1566	ASTM	USA	Wire Rod, Round Wire and Steel
A 576 15L66	ASTM	USA	Steel and Bar
A 713 Grade 1566	ASTM	USA	Steel and Wire
A 713 G15660	ASTM	USA	Steel and Wire

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