



## Material - AISI M1044

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

**Group - Ferrous Mild Steel Alloys** 

Sub Group - AISI M1044 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.400 - 0.500		
Manganese	Mn %	0.250 - 0.600	As Raw or Annealing or Normalizing or Hardening and Tempering	
Phosphorus	P %	0.040 max.		izing or Hardoning and
Sulphur	S %	0.050 max.		
Copper	Cu %	0.200 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	/-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	300 min.
-	-	-	Elongation in %	16 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in HB	163 max.
-	-	-	Impact in Joule	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
G10440	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1044	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1044	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
M1044	SAE	USA	Steel		
A 1040 1044	ASTM	USA	Steel		
A 29 1044	ASTM	USA	Steel and Bar		
A 575 M1044	ASTM	USA	Steel and Bar		

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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