



Material - ASTM A 29 1044

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 1044 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 %	0.430 - 0.500	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Copper	Cu %	0.200 max.		
Silicon	Si %	0.100 max.		
Aluminium	Al %	0.020 max.		
Boron	B %	0.0005 - 0.003		
Niobium	Nb %	0.015 max.		
Vanadium	V %	0.020 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
M1044	AISI	USA	Steel
A 1040 1044	ASTM	USA	Steel
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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