

Material - SAE 1117

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

Group - Ferrous Mild Steel Alloys

Sub Group - SAE 1117 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel, Bar, Forging and Tubing

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel, Bar, Forging and Tubing

Chemical Composition			Heat Treatment	
Carbon	C %	0.140 - 0.200		
Manganese	Mn %	1.000 - 1.300	As Raw or Annealing or Normalizing or Hardening and Tempering	
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.080 - 0.130		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		_
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 - 480
-	-	-	Yield Strength in Mpa	230 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	40 - 47
-	-	-	Hardness in HB	121 - 248
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
G11170	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1117	AISI	USA	Steel and Bar		
SUM 31	JIS	Japan	Steel		
A 576 1117	ASTM	USA	Steel and Bar		
SA-311 1117 Class A	ASME	USA	Steel and Bar		
A 576 11L17	ASTM	USA	Steel and Bar		
A 29 1117	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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