

Material - SAE J403 I SAE J1397 UNS G11170 - Hot Rolled

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 J403 I SAE J1397 UNS G11170 - Hot Rolled 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 %	0.140 - 0.200	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.000 - 1.300		
Phosphorus	Р%	0.030 max.		izing or Hardoning and
Sulphur	S %	0.080 - 0.130		
Iron	Fe %	Balance		5
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 min.
	-	-	Yield Strength in Mpa	230 min.
	-	-	Elongation in %	23 min
	-	-	Reduction of Area in %	47 min.
-	-	-	Hardne <mark>ss in BH</mark> N	121 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
1117	SAE	USA	Steel, Bar, Forging 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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