

Material - SAE J403 I SAE J1397 UNS G10190 - 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 G10190 - 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 %	0.150 - 0.200	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.700 - 1.000		
Phosphorus	Р%	0.030 max.		lizing or Hardoning and
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		Б
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	410 min.
-	-	-	Yield Strength in Mpa	220 min.
	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardn <mark>ess in HB</mark>	116 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
1019	SAE	USA	Steel	
1019	AISI	USA	Tubing	
A 1040 1019	ASTM	USA	Steel	
A 29 1019	ASTM	USA	Steel and Bar	
A 510 1019	ASTM	USA	Wire Rod and Round Wire	
A 512 Grade 1019	ASTM	USA	Tubing	
A 513 1019	ASTM	USA	Tubing	

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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