GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J403 I SAE J1397 UNS G10380 - Cold Drawn

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets, Tubing

Group - Ferrous Mild Steel Alloys

Sub Group - SAE J403 I SAE J1397 UNS G10380 - Cold Drawn 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		
Carbon	C %	0.350 - 0.420
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.030 max.
Sulphur	S %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	570 min.
Yield Strength in Mpa	480 min.
Elongation in %	12 min.
Reduction of Area in %	35 min.
Hardness in BHN	163 max.
Impact in Joule	-

Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
1038	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1038	AISI	USA	Steel and Bar
A 1040 1038	ASTM	USA	Steel
A 29 1038	ASTM	USA	Steel and Bar
A 510 1038	ASTM	USA	Wire Rod and Round Wire
A 576 10L38	ASTM	USA	Steel and Bar
A 830 1038	ASTM	USA	Plates and Steel

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