GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J404 I SAE J1397 4140

Standard Specification for Chemical Compositions and Estimated Mechanical Properties and Machinability of Steel

Group - Ferrous Mild Steel Alloys

Sub Group - SAE J404 I SAE J1397 4140 Chemical Compositions and Estimated Mechanical Properties and Machinability of Steel

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel and Bars

Chemical Composition		
Carbon	C %	0.380 0.430
Manganese	Mn %	0.750 - 1.000
Phosphorus	P %	0.030 max.
Sulphur	S %	0.040 max.
Silicon	Si %	0.150 - 0.350
Chromium	Cr %	0.800 - 1.100
Molybdenum	Mo %	0.150 - 0.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	187 - 229
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G41400	UNS	USA	Steel
SAE J 404 4140	AISI	USA	Steel
4140 H	AISI	USA	Steel
2506 4140	AS	Australia	Steel
A 29 4140	ASTM	USA	Steel and Bars
A 505 4140	ASTM	USA	Sheet and Strip
A 513 4140	ASTM	USA	Steel and 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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