



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 1040 1137

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 1040 1137 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment			
Carbon	C %	0.320 - 0.390	As Raw or Annealing or Normalizing or Hardening and Tempering			
Manganese	Mn %	1.350 - 1.650				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.080 - 0.130				
Silicon	Si %	0.100 max.				
Iron	Fe %	Balance				
-	-	-				
-	-	-	Mechanical Properties			
-	-	-			Tensile Strength in Mpa	450 min
-	-	-			Yield Strength in Mpa	240 min.
-	-	-			Elongation in %	5 min.
-	-	-			Reduction of Area in %	30 min.
-	-	-			Hardness in HB	149 - 255
-	-	-			Impact in Joule	-
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G11370	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1137	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1137	AISI	USA	Steel and Bar
A 108 Grade 1137	ASTM	USA	Steel and Bar
A 29 1137	ASTM	USA	Steel and Bar
A 311 1137 Class A	ASTM	USA	Steel and Bar
A 510 1137	ASTM	USA	Wire Rod, Round Wire 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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