

## Material - ASTM A 29 1137

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 29 1137 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

**Chemical Composition Heat Treatment** Carbon 0.320 - 0.390 C % Manganese Mn % 1.350 - 1.650 **Phosphorus** Ρ% 0.040 max. As Raw or Annealing or Normalizing or Hardening and Sulphur 0.080 - 0.130 S % Tempering Silicon Si % 0.100 max. Aluminium AI % 0.020 max. Niobium Nb % 0.015 Max. V % Vanadium 0.020 max. **Mechanical Properties** Iron Fe % Balance Tensile Strength in Mpa \_ \_ \_ 450 min Yield Strength in Mpa 240 min. \_ \_ \_ 5 min. Elongation in % \_ \_ Reduction of Area in % 30 min. \_ 149 - 255 Hardness in HB \_ \_ \_ Impact in Joule

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel and Bar

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 1040 1137	ASTM	USA	Steel
A 108 Grade 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

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