GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-311 Grade 1137

Standard Specification for Cold-Drawn, Stress-Relieved Carbon Steel Bars Subject to Mechanical Property Requirements

Group - Ferrous Mild Steel Alloys

Sub Group - ASME SA-311 Grade 1137 Cold-Drawn, Stress-Relieved Carbon Steel Bars Subject to Mechanical Property Requirements

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

Grade Belongs to the Industry - Steel and Bars

Chemical Composition		
Carbon	C %	0.320 - 0.390
Manganese	Mn %	1.350 - 1.650
Phosphorus	P %	0.040 max.
Sulphur	S %	0.080 - 0.130
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	620 min.
Elongation in %	11 min.
Reduction of Area in %	35 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G11370	UNS	USA	Bars, Forging and Tubing
SAE AMS 5024 1137	AISI	USA	Bars, Forging and Tubing
A 311 1137	ASTM	USA	Steel and Bars
A 510 1137	ASTM	USA	Wire and Wire Rods
A 108 1137	ASTM	USA	Steel and Bars
A 576 1137	ASTM	USA	Steel and Bars
A 519 1137	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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