GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A108 1117

Standard Specification for Steel Bars, Carbon, Cold-Finished, Standard Quality

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A108 1117 Steel Bars, Carbon, Cold-Finished, Standard Quality

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

Grade Belongs to the Industry - Steel and Bars

Chemical Composition		
Carbon	C %	0.140 - 0.200
Manganese	Mn %	1.000 - 1.300
Phosphorus	P %	0.040 max.
Sulphur	S %	0.080 - 0.130
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRC	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G11170	UNS	USA	Bars, Forging and Tubing
G 4804 SUM 31	JIS	Japan	Steel
SAE AMS 5022 1117	AISI	USA	Bars, Forging and Tubing
SA-29 1117	ASME	USA	Steel and Bars
A 512 1117	ASTM	USA	Steel and Tubing
A 510 1117	ASTM	USA	Steel and Wire Rods
A 576 1117	ASTM	USA	Steel and Bars

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.