



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - ASTM A 108 Grade 1010

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 108 Grade 1010 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bar and Sheet

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

Grade Belongs to the Industry - Bar and Sheet

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 - 0.130	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Lead	Pb %	0.150 - 0.350		
Silicon	Si %	0.100 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      275 - 655 Yield Strength in Mpa      170 min. Elongation in %      5 min. Reduction of Area in %      40 - 50 Hardness in HB      95 - 105 Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10100	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1010	SAE	USA	Sheet and Tubing
1010	AISI	USA	Tubing
A 1040 1010	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1010	ASTM	USA	Bar
A 29 M1010	ASTM	USA	Bar
A 510 1010	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets 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](mailto: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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