



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 108 Grade 1030

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 108 Grade 1030 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

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

Grade Belongs to the Industry - Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.280 - 0.340	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Silicon	Si %	0.100 max.		
Lead	Pb %	0.150 - 0.350		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	415 - 896
-	-	-	Yield Strength in Mpa	260 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	35 - 42
-	-	-	Hardness in HB	137 - 149
-	-	-	Impact in Joule	36.9 - 52.3 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10300	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1030	SAE	USA	Steel
1030	AISI	USA	Tubing
A 1040 1030	ASTM	USA	Steel
A 29 1030	ASTM	USA	Steel and Bar
A 510 1030	ASTM	USA	Wire Rod and Round Wire
A 512 Grade 1030	ASTM	USA	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

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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