



## Material - ASTM A 108 Grade 1095

### Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and Bar

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 108 Grade 1095 Carbon Steel Compositions For Forging To Hot-Rolled 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 %	0.900 - 1.030	As Raw or Annealing or Normalizing or Hardening and Tempering			
Manganese	Mn %	0.300 - 0.500				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.050 max.				
Silicon	Si %	0.100 max.				
Lead	Pb %	0.150 - 0.350				
Iron	Fe %	Balance				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			Tensile Strength in Mpa	680 - 1379
-	-	-			Yield Strength in Mpa	460 min.
-	-	-			Elongation in %	10 min.
-	-	-			Reduction of Area in %	25 - 40
-	-	-			Hardness in HB	302 max.
-	-	-			Impact in Joule	-
-	-	-				
-	-	-				
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10950	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1095	SAE	USA	Strip and Steel
1095	AISI	USA	Steel and Bar
A 1040 1095	ASTM	USA	Steel
A 29 1095	ASTM	USA	Steel and Bar
A 510 1095	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 10L95	ASTM	USA	Steel and Bar

**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)**

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