



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J403 | SAE J1397 UNS G10080 - Hot Rolled

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets, Tubing

Group - Ferrous Mild Steel Alloys

Sub Group - SAE J403 | SAE J1397 UNS G10080 - Hot Rolled Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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

Grade Belongs to the Industry - Bars, Wire Rods, Plates, Strip, Sheets and Tubing

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 max.	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.500		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	303 min.
			Yield Strength in Mpa	170 min.
			Elongation in %	30 min.
			Reduction of Area in %	55 min.
			Hardness in HB	86 max.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1008	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1008	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1008	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 108 Grade 1008	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1008	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 M1008	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 510 1008	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

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