Material: AISI 1008

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: *AISI 1008 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		
Carbon	C %	0.100 max.
Manganese	Mn %	0.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	260 - 655
Yield Strength in Mpa	160 min.
Elongation in %	20 min.
Reduction of Area in %	45 - 55
Hardness in HB	86 - 95
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G10080	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1008	SAE	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

Customer Care: +91-99090 45075 Email: info@icastllp.com