

## Material: ASTM A 510 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:** ASTM A 510 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			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 %	0.040 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0008 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> 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 -	
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-	-	-		
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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
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

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