

Material: ASTM A 29 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 29 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 %	0.300 - 0.500
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Boron	B %	0.0005 - 0.003
Copper	Cu %	0.100 max.
Niobium	Nb %	0.025 max.
Vanadium	V %	0.050 max.
Silicon	Si %	0.100 max.
Aluminium	Al %	0.020 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
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 M1008	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 510 1008	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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