

## Material: AISI 1009

### 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 1009 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 %	0.150 max.
Manganese	Mn %	0.600 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Iron	Fe %	Balance
-	-	-
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Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	262 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10090	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1009	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1009	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 827 1009	ASTM	USA	Forging
A 830 1009	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 830 G10090	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
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