

## Material: ASTM A 510 1075

### Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** ASTM A 510 1075 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

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

**Grade Belongs to the Industry:** Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.700 - 0.800	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.400 - 0.700		
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 1025 min. Yield Strength in Mpa 696 min. Elongation in % 17.6 min. Reduction of Area in % 58.2 min. Hardness in BHN - Impact in Joule 21.7 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10750	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1075	SAE	USA	Steel
1075	AISI	USA	Steel and Bar
A 1040 1075	ASTM	USA	Steel
A 29 1075	ASTM	USA	Steel and Bar
A 713 G10750	ASTM	USA	Steel
A 713 Grade 1075	ASTM	USA	Steel

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