

Material: ASTM A 510 1030

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod and Round Wire

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 150 1030 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod and Round Wire

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

Grade Belongs to the Industry: Wire Rod and Round Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.280 - 0.340	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0008 max.		
Iron	Fe %	Balance		
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-	-	-	Mechanical Properties Tensile Strength in Mpa 415 - 896 Yield Strength in Mpa 260 min. Elongation in % 5 min. Reduction of Area in % 35 - 42 Hardness in HB 137 - 149 Impact in Joule 36.9 - 52.3 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10300	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1030	SAE	USA	Steel
1030	AISI	USA	Tubing
A 1040 1030	ASTM	USA	Steel
A 108 Grade 1030	ASTM	USA	Steel and Bar
A 29 1030	ASTM	USA	Steel and Bar
A 512 Grade 1030	ASTM	USA	Tubing

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