

Material: ASTM A 510 1013

Standard Specification For General Requirements for Wire Rods

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1013 General Requirements for Wire Rods

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

Grade Belongs to the Industry: Wire Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.110 - 0.160	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0008 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 370 Min. Yield Strength in Mpa 310 min. Elongation in % 19 min. Reduction of Area in % 40 min. Hardness in HB 105 max. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10130	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1013	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1013	AISI	USA	Bar
A 1040 1013	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1013	ASTM	USA	Bar
SA-29 1013	ASME	USA	Bar
K11430	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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