

Material: ASTM A 713 Grade 1070

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and Wire

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 713 Grade 1070 Carbon Steel Compositions For Forging To Hot-Rolled Steel and Wire

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

Grade Belongs to the Industry: Steel and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.650 - 0.750	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.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 640 - 700 Yield Strength in Mpa 390 min. Elongation in % 10 min. Reduction of Area in % 30 - 45 Hardness in HB 192 - 212 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10700	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1070	SAE	USA	Steel
1070	AISI	USA	Steel and Bar
A 510 1070	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 10L70	ASTM	USA	Steel and Bar
A 713 G10700	ASTM	USA	Steel and Wire
A 830 1070	ASTM	USA	Plate and Steel

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