



Material - ASTM A 510 1140

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 510 1140 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod, Round Wire and Steel

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

Grade Belongs to the Industry - Wire Rod, Round Wire and Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.370 - 0.440	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.700 - 1.100		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.080 - 0.130		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	540 - 610
			Yield Strength in Mpa	300 min.
			Elongation in %	12 min.
			Reduction of Area in %	35 - 40
			Hardness in HB	156 - 170
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G11400	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1140	SAE	USA	Steel
1140	AISI	USA	Steel and Bar
A 1040 1140	ASTM	USA	Steel
A 29 1140	ASTM	USA	Steel and Bar
A 576 11L40	ASTM	USA	Steel and Bar
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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