



Material - ASTM A 510 1005

Standard Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 510 1005 General Requirements for Wire Rods, Coarse Round Wire and Carbon Steel

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

Grade Belongs to the Industry - Wire Rod

Chemical Composition			Heat Treatment			
Carbon	C %	0.060 max.	As Raw or Annealing or Normalizing or Hardening and Tempering			
Manganese	Mn %	0.350 max.				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.050 max.				
Boron	B %	0.0008 max.				
Iron	Fe %	Balance				
-	-	-				
-	-	-	Mechanical Properties			
-	-	-			Tensile Strength in Mpa	270 - 330
-	-	-			Yield Strength in Mpa	140 - 180
-	-	-			Elongation in %	40 min.
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	-
-	-	-			Impact in Joule	-
-	-	-				
-	-	-				
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10050	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1005	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1005	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1005	ASTM	USA	Bar
A 1040 1005	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1.03	ONORM	Australia	Wire Rod
1.0312	ONORM	Australia	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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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