



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 510 1548

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 1548 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 %	0.440 - 0.520	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.100 - 1.400		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	640 - 730
			Yield Strength in Mpa	370 min.
			Elongation in %	10 min.
			Reduction of Area in %	28 - 35
			Hardness in HB	192 - 217
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15480	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1548	SAE	USA	Steel
1548	AISI	USA	Steel and Bar
A 29 1548	ASTM	USA	Steel and Bar
A 576 15L48	ASTM	USA	Steel and Bar
A 830 1548	ASTM	USA	Plate and Steel
A 830 G15480	ASTM	USA	Plate and Steel

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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