



Material - ASTM A 576 15L22

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 576 15L22 Carbon Steel Compositions For Forging To Hot-Rolled Steel and Bar

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

Grade Belongs to the Industry - Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.180 - 0.240	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.100 - 1.140		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0005 - 0.003		
Copper	Cu %	0.200 max.		
Lead	Pb %	0.150 - 0.350		
Silicon	Si %	0.100 max.		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	410 min.
-	-	-	Yield Strength in Mpa	340 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15220	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1522	SAE	USA	Bars, Wire Rod and Tubing
1522	AISI	USA	Steel and Bar
A 29 1522	ASTM	USA	Steel and Bar
A 510 1522	ASTM	USA	Wire Rods, Round Wire 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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