

Material: ONORM 1.0312

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets, Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: ONORM 1.0312 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets, Tubing

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

Grade Belongs to the Industry: Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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 %	0.025 max.		
Sulphur	S %	0.025 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa			270 - 335	
Yield Strength in Mpa			140 - 180	
Elongation in %			34 min.	
Reduction of Area in %			-	
Hardness in HV			100 max.	
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 510 1005	ASTM	USA	Wire Rod
A 1040 1005	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1.03	ONORM	Australia	Wire Rod

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Customer Care: +91-99090 45075 Email: info@icastllp.com