



## Material - AFNOR NF 38 MB 5

### Standard Specification for Mild Steel Alloys Bar, Wire and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - AFNOR NF 38 MB 5 Mild Steel Alloys Bar, Wire and Rod

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

Grade Belongs to the Industry - Bar, Wire and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.340 - 0.400	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.100 - 0.400		
Manganese	Mn %	1.100 - 1.400		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Boron	B %	0.0008 - 0.0050		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   560 min. Yield Strength in Mpa   510 min. Elongation in %   10 min. Reduction of Area in %   - Hardness in BHN   170 - 223 Impact in Joule   -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
38MnB5	EN	European Union	Bar and Rod
1.5532	EN	European Union	Bar and Rod
39MnB5	ISO	International	Bar and Rod
1.5532	NBN	Belgium	Bar and Rod
38 MB 5	NBN	Belgium	Bar and Rod
1.5532	PN	Poland	Bar and Rod
38 MB 5	PN	Poland	Bar and Rod

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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