



Material - EN 10083-3 1.6580

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - EN 10083-3 1.6580 Mild Steel Alloys Bar and Rod

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

Grade Belongs to the Industry - Bar and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.260 - 0.340	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	1.800 - 2.200		
Molybdenum	Mo %	0.300 - 0.500		
Nickel	Ni %	1.800 - 2.200		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 900 - 1100 Yield Strength in Mpa 700 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN As Per HT Impact in Joule 45 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
30CrNiMo8	EN	European Union	Bar and Rod
P 1000 - 30CrNiMo8	AFNOR NF	France	Bar and Rod
30 CND 8	AFNOR NF	France	Bar and Rod
NCMo 6 Z	MSZ	Hungary	Bar and Rod
NCMo 6	MSZ	Hungary	Bar and Rod
30CrNiMo8	ISO	International	Bar and Rod
31 CrNiMo 8	ISO	International	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

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