GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - MSZ NCMo 6

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - MSZ NCMo 6 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		
Carbon	C %	0.260 - 0.340
Silicon	Si %	0.400 max.
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.035 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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	900 - 1450
Yield Strength in Mpa	700 min.
Elongation in %	9 min.
Reduction of Area in %	-
Hardness in BHN	248 max.
Impact in Joule	25 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
30CrNiMo8	EN	European Union	Bar and Rod
1.658	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
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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