



Material - MSZ Cr 1 Z

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - MSZ Cr 1 Z 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 %	0.300 - 0.370	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.900 - 1.200		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 800 - 950 Yield Strength in Mpa 590 min. Elongation in % 14 min. Reduction of Area in % 40 min. Hardness in BHN - Impact in Joule 40 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
34Cr4	EN	European Union	Bar and Rod
1.7033	EN	European Union	Bar and Rod
34 Cr 4 E	ISO	International	Bar and Rod
34 Cr 4 E	JIS	Japan	Bar and Rod
1.7037	BDS	Bulgaria	Bar and Rod
34CrS4	BDS	Bulgaria	Bar and Rod
1.7037	NBN	Belgium	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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