



Material - EN 10083-3 35NiCr6

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - EN 10083-3 35NiCr6 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 %	0.025 max.		
Chromium	Cr %	0.800 - 1.100		
Nickel	Ni %	1.200 - 1.600		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		780 - 980		
Yield Strength in Mpa		640 min.		
Elongation in %		15 min.		
Reduction of Area in %		-		
Hardness in BHN		As Per HT		
Impact in Joule		35 J @ RT		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.5815	EN	European Union	Bar and Rod
1.5815	ONORM	Australia	Bar and Rod
35 NiCr 6	ONORM	Australia	Bar and Rod
1.5815	NBN	Belgium	Bar and Rod
35 NiCr 6	NBN	Belgium	Bar and Rod
1.5815	BDS	Bulgaria	Bar and Rod
35 NiCr 6	BDS	Bulgaria	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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