



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF 35 NCD 16

Standard Specification for Mild Steel Alloys Bar, Wire and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - AFNOR NF 35 NCD 16 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 %	0.320 - 0.390	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.100 - 0.400		
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	1.600 - 2.000		
Molybdenum	Mo %	0.250 - 0.450		
Nickel	Ni %	3.600 - 4.100		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 1000 - 1380 Yield Strength in Mpa 800 min. Elongation in % 8 min. Reduction of Area in % - Hardness in BHN 269 max. Impact in Joule 50 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
35NiCrMo16	EN	European Union	Bar and Rod
1.6773	EN	European Union	Bar and Rod
835 M 30	BS	British	Bar and Rod
SFNCM 1030 R	JIS	Japan	Forging
SFNCM 830 R	JIS	Japan	Forging
SFNCM 880 R	JIS	Japan	Forging
SFNCM 930 R	JIS	Japan	Forging

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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