GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 835 M 30

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - BS 835 M 30 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
Manganese	Mn %	0.450 - 0.700
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	1.100 - 1.400
Molybdenum	Mo %	0.200 - 0.350
Nickel	Ni %	3.900 - 4.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	1544 min.
Yield Strength in Mpa	444 min.
Elongation in %	7 min.
Reduction of Area in %	-
Hardness in BHN	201 - 277
Impact in Joule	16 J @ RT

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
35 NCD 16	AFNOR NF	France	Bar, Wire 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