

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			Heat Treatment	
Carbon	C %	0.260 - 0.340	As Raw or Annealing or Normalizing or Hardening and Tempering	
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		
-	-	-	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

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India