

Material - CSN 13030

Standard Specification for Low Alloyed Manganese Steel

Group - Ferrous Mild Steel Alloys

Sub Group - CSN 13030 Low Alloyed Manganese Steel

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Steel

С%		Heat Treatment	
C /0	0.140 - 0.200		
Si %	0.150 - 0.400		
Mn %	1.000 - 1.400		
Ρ%	0.035 max.	Annealing or Normalising or Hardening + Tempering	
S %	0.030 max.		
Cr %	0.300 max.		
Ni %	0.300 max.		
Mo %	0.100 max.		
Cu %	0.300 max.	Mechanical Properties	
Fe %	Balance	Tensile Strength in Mpa	440 - 570
-	-	Yield Strength in Mpa	235 min.
-	-	Elongation in %	19 min.
-	-	Reduction of Area in %	-
-	-	Hardness in HB	127 - 166
-	-	Impact in Joule	400 J @ RT
	Mn % P % S % Cr % Ni % Mo % Cu % Fe % - - - - - -	Mn % 1.000 - 1.400 P % 0.035 max. S % 0.030 max. Cr % 0.300 max. Ni % 0.300 max. Mo % 0.100 max. Cu % 0.300 max. Fe % Balance - - - - - -	Mn % 1.000 - 1.400 P % 0.035 max. S % 0.030 max. Cr % 0.300 max. Ni % 0.300 max. Mo % 0.100 max. Cu % 0.300 max. Fe % Balance - - - - - Elongation in % - - - Hardness in HB

Cross Reference Table				
Material	Standard	Country	Gr <mark>ade Belong</mark> to the Industry	
1.0457	EN	European Union	Pipes	
1.0484	DIN	Germany	Pipes	
J13005	UNS	USA	Casting	
20MB5	AFNOR NF	France	Cold Rolled, Strip	
230 - 450 W	JIS	Japan	Casting	
3	AS	Australia	Hot Rolled Bar	
A487 2A	ASTM	USA	Casting	

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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