

Material: CSN 15 260

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: CSN 15 260 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 %	0.470 - 0.550	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.150 - 0.400		
Manganese	Mn %	0.700 - 1.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.900 - 1.200		
Vanadium	V %	0.100 - 0.200		
Nickel	Ni %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	780 - 1670
-	-	-	Yield Strength in Mpa	590 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in BHN	225 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
51CrV4	EN	European Union	Bar and Rod
1.8159	EN	European Union	Bar and Rod
F.1430	UNE	Spain	Bar and Rod
35 NCD 16	AFNOR NF	France	Bar and Rod
50 CV 4	AFNOR NF	France	Bar and Rod
50 CV 4	DIN	Germany	Bar and Rod
CrV 3	MSZ	Hungary	Bar and Rod

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