

# Material: SFS 25CrMoS4

## Standard Specification for Mild Steel Alloys Bar and Rod

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** SFS 25CrMoS4 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 %	0.220 - 0.290	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.800 - 1.200		
Molybdenum	Mo %	0.150 - 0.300		
Copper	Cu %	0.300 max.		
Nickel	Ni %	0.400 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      560 min. Yield Strength in Mpa      400 min. Elongation in %      9 min. Reduction of Area in %      50 min. Hardness in BHN      270 max. Impact in Joule      45 J @ RT	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
25CrMo4	EN	European Union	Bar and Rod
1.7218	EN	European Union	Bar and Rod
25CrMoS4	EN	European Union	Bar and Rod
1.7213	EN	European Union	Bar and Rod
25 CrMo 4 E	ISO	International	Bar and Rod
25 CrMo 4 E	JIS	Japan	Bar and Rod
1.7221	SFS	Finland	Bar and Rod

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)