

Material: BDS 30MnB5

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: BDS 30MnB5 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 %	0.270 - 0.330	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	1.150 - 1.450		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.035 max.		
Boron	B %	0.0008 - 0.0050		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 800 - 1150 Yield Strength in Mpa 650 min. Elongation in % 13 min. Reduction of Area in % 50 min. Hardness in HRC 40 max. Impact in Joule 60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
30MnB5	EN	European Union	Bar and Rod
1.5531	EN	European Union	Bar and Rod
30MnB5	ISO	International	Bar and Rod
1.5531	DIN	Germany	Bar and Rod
30MnB5	DIN	Germany	Bar and Rod
1.5531	BDS	Bulgaria	Bar and Rod
1.5531	CSN	Czech Republic	Bar and Rod

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