

Material: JIS 46 Cr 2 E

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: JIS 46 Cr 2 E 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		
Carbon	C %	0.420 - 0.500
Silicon	Si %	0.400 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	0.400 - 0.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	630 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
46Cr2	EN	European Union	Bar and Rod
1.7006	EN	European Union	Bar and Rod
46 Cr 2 E	ISO	International	Bar and Rod
1.7025	AFNOR NF	France	Bar and Rod
46 CrS 2	AFNOR NF	France	Bar and Rod
1.7025	BS	British	Bar and Rod
46 CrS 2	BS	British	Bar and Rod

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