

Material: AFNOR NF 50 CD 4-M

Standard Specification for Cast Steels and White Cast Iron Resistant to Abrasion

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF 50 CD 4-M Cast Steels and White Cast Iron Resistant to Abrasion

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.460 - 0.540	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.800 - 1.200		
Molybdenum	Mo %	0.150 - 0.350		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	500 - 650
-	-	-	Elongation in %	5 - 12
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	220 - 330
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1606.0000	SS	Sweden	Casting
1050	AISI	USA	Forging, Bar, Wire, and Shape
5152	SAE	USA	Steel
735 A 51	BS	British	Hot Formed Spring
C 3	MSZ	Hungary	Steel
C48GW-N-A	JIS	Japan	Forging
A732 4A	ASTM	USA	Casting

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