

Material: AFNOR NF 20 N 8

Standard Specification for Carburizing alloy

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF 20 N 8 Carburizing alloy

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

Grade Belongs to the Industry: Steel

Chemical Composition		
Carbon	C %	0.150 - 0.230
Silicon	Si %	0.100 - 0.400
Manganese	Mn %	0.350 - 0.600
Phosphorus	P %	0.040 max.
Sulphur	S %	0.0350 max.
Nickel	Ni %	1.800 - 2.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties
Tensile Strength in Mpa
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
24 Ni 8	DIN	Germany	Steel
G 9 Ni 10	EN	European Union	Casting
SCPL 21	JIS	Japan	Casting
G9Ni10	UNI	Italy	Casting
J22501	UNS	USA	Casting
AH 60	MSZ	Hungary	Steel
A757 B2N B2Q	ASTM	USA	Casting

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