



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			Heat Treatment	
Carbon	C %	0.150 - 0.230	Normalising or Annealing or Hardening + Tempering	
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		
-	-	-		
-	-	-	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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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