

# Material: DIN 24 Ni 8

## Standard Specification for Low alloyed Ni steel

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** DIN 24 Ni 8 Low alloyed Ni steel

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

**Grade Belongs to the Industry:** Steel

Chemical Composition		
Carbon	C %	0.200 - 0.280
Silicon	Si %	0.150 - 0.350
Manganese	Mn %	0.600 - 0.800
Phosphorus	P %	0.035 max.
Sulphur	S %	0.0350 max.
Chromium	Cr %	0.300 max.
Nickel	Ni %	1.900 - 2.200
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
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
20 N 8	AFNOR NF	France	Steel

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