

Material: DIN X2CrNiMo13-4

Standard Specification for Stainless Steels for Rolled and Forged Products

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN X2CrNiMo13-4 Stainless Steels for Rolled and Forged Products

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

Grade Belongs to the Industry: Forging

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	0.600 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	12.000 - 13.500
Molybdenum	Mo %	0.400 - 0.700
Nickel	Ni %	3.500 - 4.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	680 - 880
Yield Strength in Mpa	520 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	255 max.
Impact in Joule	70 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.6982	EN	European Union	Casting
1.6982	DIN	Germany	Casting
1.6982	DIN	Germany	Casting
GX3 CrNi 13-4	UNI	Italy	Casting
GX3 CrNi 13-4	DIN	Germany	Casting
GX3 CrNi 13-4	EN	European Union	Casting
GX3 CrNi 13-4	AFNOR NF	France	Casting

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