



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF GX3CrNi 13-4

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN G X 3 CrNi 13-4 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.050 max.	Normalising or Annealing or Hardening + Tempering			
Silicon	Si %	1.000 max.				
Manganese	Mn %	1.000 max.				
Phosphorus	P %	0.035 max.				
Sulphur	S %	0.015 max.				
Chromium	Cr %	12.000 - 13.500				
Molybdenum	Mo %	0.700 max.				
Nickel	Ni %	3.500 - 5.000				
Iron	Fe %	Balance				
-	-	-				
-	-	-	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	700 - 900		
-	-	-	Yield Strength in Mpa	500 min.		
-	-	-	Elongation in %	15 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	50 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
X2 CrNiMo 13-4	DIN	Germany	Forging

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS