



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - AFNOR NF GX2CrNiMoCuN 25-6-3-3

### Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF GX2CrNiMoCuN 25-6-3-3 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 %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	24.500 - 26.500		
Molybdenum	Mo %	2.500 - 3.500		
Nickel	Ni %	5.000 - 7.000		
Copper	Cu %	2.750 - 3.500		
Nitrogen	N %	0.120 - 0.220		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      650 - 850 Yield Strength in Mpa      480 min. Elongation in %      22 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
1.4517	EN	European Union	Casting
1.4517	DIN	Germany	Casting
1.4517	DIN	Germany	Casting
GX2CrNiMoCuN25-6-3-3	UNI	Italy	Casting
GX2CrNiMoCuN25-6-3-3	EN	European Union	Casting
GX2CrNiMoCuN25-6-3-3	DIN	Germany	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](mailto: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**