GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10213 GX4CrNi13-4 I 1.4317

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10213 GX4CrNi13-4 I 1.4317 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.060 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	12.000 - 13.500
Molybdenum	Mo %	0.700 max.
Nickel	Ni %	3.500 - 5.000
Copper	Cu %	0.300 max.
Vanadium	V %	0.080 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Normalizing or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	760 - 960
Proof Strength in Mpa	550 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10213-4 G X 4 CrNi 13-4	UNI	Italy	Casting
EN 10213-2 1.4317	DIN	Germany	Casting
EN 10213-2 GX4CrNi13-4	DIN	Germany	Casting
EN 10213-2 GX4CrNi 13-4	AFNOR NF	France	Casting
10283 1.4317	EN	European Union	Casting
10213-2 GX 4 CrNi 13-4	EN	European Union	Casting
10213-2 1.4317	EN	European Union	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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