GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10293 1.6982 (GX3CrNi13-4)

Standard Specification for Steel Castings for general engineering uses

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10293 1.6982 (GX3CrNi13-4) Steel Castings for general engineering uses

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.050 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Normalizing & Tempering or Quenching & Tempering

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	27 @ -120°C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
M 3182 G-X 3 CrNi 13 4	ONORM	Austria	Steel
210610 X 5 CrNi 13 4	SNV	Switzerland	Steel and Forging
10213-3 GX3CrNi 13-4	AFNOR NF	France	Steel and Casting
10213-3 1.6982	EN	European Union	Steel and Casting
SEW 685 1.6982	DIN	Germany	Steel and Casting
10213-3 1.6982	DIN	Germany	Steel and Casting
17445 3182 G-X 3 CrNi 13 4	DIN	Germany	Steel and 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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