GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10213 GX2CrNiMo19-11-2 I 1.4409

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10213 GX2CrNiMo19-11-2 I 1.4409 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 %	0.030 max.
Silicon	Si %	1.500 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	18.000 - 20.000
Molybdenum	Mo %	2.000 - 2.500
Nickel	Ni %	9.000 - 12.000
Copper	Cu %	0.500 max.
Nitrogen	N %	0.200 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	440 - 640
Proof Strength in Mpa	220 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	70 @ -196˚C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10213-4 1.4409	DIN	Germany	Casting
17445 1.4409	DIN	Germany	Casting
EN 10213-4 GX2CrNiMo19-11-2	DIN	Germany	Casting
EN 10213-4 GX2CrNiMo19-11-2	AFNOR NF	France	Casting
10213-4 GX 2 CrNiMo 19 11 2	EN	European Union	Casting
10283 1.4409	EN	European Union	Casting
10213-4 1.4409	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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