GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10213 GX4CrNiMo16-5-1 I 1.4405

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10213 GX4CrNiMo16-5-1 I 1.4405 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 %	0.800 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	15.000 - 17.000
Molybdenum	Mo %	0.700 - 1.500
Nickel	Ni %	4.000 - 6.000
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	540 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	60 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10213-2 GX4CrNiMo16-5-1	AFNOR NF	France	Casting
SEW 410 GX5CrNiMo16-5	DIN	Germany	Casting
EN 10213-2 1.4405	DIN	Germany	Casting
EN 10213-4 G X 4 CrNiMo 16-5-1	UNI	Italy	Casting
10213-2 GX 4 CrNiMo 16-5-1	EN	European Union	Casting
10283 1.4405	EN	European Union	Casting
10213-2 1.4405	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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