



Material - BS 10213 EN GX 2 CrNiMoN 22 5 3

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 10213 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 %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	21.000 - 23.000		
Nickel	Ni %	4.500 - 6.500		
Molybdenum	Mo %	2.500 - 3.500		
Copper	Cu %	0.500 max.		
Nitrogen	N %	0.120 - 0.200		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 600 - 800 Yield Strength in Mpa 420 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 30 min. @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.447	EN	European Union	Casting
1.447	DIN	Germany	Casting
1.447	BS	British	Casting
GX2CrNiMoN22-5-3	UNI	Italy	Casting
GX2CrNiMoN22-5-3	DIN	Germany	Casting
GX2CrNiMoN22-5-3	BS	British	Casting
GX2CrNiMoN22-5-3	AFNOR NF	France	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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