

# Material: BS 10213 EN GX 2 CrNiMoCuN 25 6 3 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 %	1.500 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	24.500 - 26.500		
Nickel	Ni %	5.000 - 7.000		
Molybdenum	Mo %	2.500 - 3.500		
Copper	Cu %	2.750 - 3.500		
Nitrogen	N %	0.120 - 0.220		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      650 - 850 Yield Strength in Mpa      480 min. Elongation in %      22 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      35 min. @ -70°C	
-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4517	EN	European Union	Casting
1.4517	BS	British	Casting
1.4517	DIN	Germany	Casting
GX2CrNiMoCuN25-6-3-3	UNI	Italy	Casting
GX2CrNiMoCuN25-6-3-3	DIN	Germany	Casting
GX2CrNiMoCuN25-6-3-3	BS	British	Casting
GX2CrNiMoCuN25-6-3-3	AFNOR NF	France	Casting

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