



Material - BS 10213 EN 1.6982

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 %	0.050 max.	Normalising or Annealing or Hardening + Tempering	
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		
Nickel	Ni %	3.500 - 5.000		
Molybdenum	Mo %	0.700 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.080 max.		
Iron	Fe %	Balance	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 min. @ -120°C	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.6982	BS	British	Casting
1.6982	DIN	Germany	Casting
GX3CrNi13-4	UNI	Italy	Casting
GX3CrNi13-4	DIN	Germany	Casting
GX3CrNi13-4	EN	European Union	Casting
GX3CrNi13-4	AFNOR NF	France	Casting
X2CrNiMo13-4	DIN	Germany	Forging

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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