

Material: BS 10213 EN 1.4317

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 %	0.060 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 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 760 - 960 Yield Strength in Mpa 550 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 min. @ -120°C	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com