



## Material - BDS 1.6982

### Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BDS 1.6982 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.	Normalizing or Quenching or Solution Annealing	
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		
Molybdenum	Mo %	0.700 max.		
Nickel	Ni %	3.500 - 5.000		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.800 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> 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      50 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GX3CrNi13-4	BS	British	Plate, Tubes and Forging
GX3CrNi13-4	ISO	International	Casting
1.6982	ISO	International	Casting
GX 3 CrNi 13 4	BDS	Bulgaria	Casting
1.6982	CSN	Czech Republic	Casting
GX 3 CrNi 13 4	CSN	Czech Republic	Casting
GX 3 CrNi 13 4	SFS	Finland	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](mailto:marketing@gravitycastindia.com)**

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