



Material - BS 10213 EN GX 2 NiCrMo 28 20 2

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 % | 19.000 - 22.000 | | |
| Nickel | Ni % | 26.000 - 30.000 | | |
| Molybdenum | Mo % | 2.000 - 2.500 | | |
| Copper | Cu % | 2.000 max. | | |
| Nitrogen | N % | 0.200 max. | | |
| Iron | Fe % | Balance | Mechanical Properties Tensile Strength in Mpa 430 - 630 Yield Strength in Mpa 190 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ RT | |
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| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.4458 | EN | European Union | Casting |
| 1.4458 | BS | British | Casting |
| 1.4458 | DIN | Germany | Casting |
| GX2NiCrMo28-20-2 | UNI | Italy | Casting |
| GX2NiCrMo28-20-2 | DIN | Germany | Casting |
| GX2NiCrMo28-20-2 | AFNOR NF | France | Casting |
| GX2NiCrMo28-20-2 | BS | British | 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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