



Material - EN GX 3 CrNi 13 4

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN G X 3 CrNi 13-4 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 | | |
| Molybdenum | Mo % | 0.700 max. | | |
| Nickel | Ni % | 3.500 - 5.000 | | |
| Vanadium | V % | 0.080 max. | | |
| Copper | Cu % | 0.300 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 50 J @ RT | |
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| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.6982 | EN | European Union | Casting |
| 1.6982 | DIN | Germany | Casting |
| 1.6982 | DIN | Germany | Casting |
| GX3 CrNi 13-4 | UNI | Italy | Casting |
| GX3 CrNi 13-4 | DIN | Germany | Casting |
| GX3 CrNi 13-4 | AFNOR NF | France | Casting |
| X2 CrNiMo 13-4 | 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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