



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - CSN GX2CrNiMoN25-7-3

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - CSN GX2CrNiMoN25-7-3 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. | Normalizing or Quenching or Solution Annealing | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 1.500 max. | | |
| Phosphorus | P % | 0.030 max. | | |
| Sulphur | S % | 0.020 max. | | |
| Chromium | Cr % | 24.000 - 26.000 | | |
| Molybdenum | Mo % | 3.000 - 4.000 | | |
| Nickel | Ni % | 6.000 - 8.500 | | |
| Copper | Cu % | 1.000 max. | | |
| Nitrogen | N % | 0.150 - 0.250 | | |
| Tungsten | W % | 1.000 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| GX2CrNiMoN25-7-3 | BS | British | Plate, Tubes and Forging |
| GX2CrNiMoN25-7-3 | ISO | International | Casting |
| 1.4417 | ISO | International | Casting |
| GX2CrNiMoN25-7-3 | BDS | Bulgaria | Casting |
| 1.4417 | BDS | Bulgaria | Casting |
| 1.4417 | CSN | Czech Republic | Casting |
| 1.4417 | EN | European Union | 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS