



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO 1.7365

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - ISO 1.7365 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 % | 0.120 - 0.190 | Normalizing or Quenching or Solution Annealing | |
| Silicon | Si % | 0.800 max. | | |
| Manganese | Mn % | 0.500 - 0.800 | | |
| Phosphorus | P % | 0.025 max. | | |
| Sulphur | S % | 0.025 max. | | |
| Chromium | Cr % | 4.000 - 6.000 | | |
| Molybdenum | Mo % | 0.450 - 0.650 | | |
| Copper | Cu % | 0.300 max. | | |
| Vanadium | V % | 0.050 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 630 - 760 Yield Strength in Mpa 420 min. Elongation in % 16 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| EN 10213 GX15CrMo5 | BS | British | Plate, Tubes and Forging |
| GX15CrMo5 | ISO | International | Casting |
| SCPH 61 | JIS | Japan | Casting |
| A 217 Grade C5 | ASTM | USA | Casting |
| A 217 J42045 | ASTM | USA | Casting |
| 1.7365 | BS | British | Casting |
| GX 15 CrMo 5 | SS | Sweden | 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