



Material - CSN 17102

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - CSN 17102 Steel Castings for Pressure Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Steel

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|--|--|
| Carbon | C % | 0.150 max. | Normalising or Annealing or Hardening + Tempering | |
| Silicon | Si % | 0.500 max. | | |
| Manganese | Mn % | 0.600 max. | | |
| Phosphorus | P % | 0.035 max. | | |
| Sulphur | S % | 0.030 max. | | |
| Chromium | Cr % | 4.000 - 6.000 | | |
| Molybdenum | Mo % | 0.450 - 0.650 | | |
| 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 | |
| - | - | - | | |
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| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.7365 | DIN | Germany | Casting |
| 1.7365 | EN | European Union | Casting |
| GX15CrMo5 | DIN | Germany | Casting |
| GX15CrMo5 | EN | European Union | Casting |
| GX15CrMo5 | AFNOR NF | France | Casting |
| H 5 M | PN | Poland | Steel |
| - | - | - | - |

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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