



Material - DIN GS-24Mn6

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - DIN GS-24Mn6 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 % | 0.200 - 0.250 | Normalising or Annealing or Hardening + Tempering | |
| Silicon | Si % | 0.300 - 0.500 | | |
| Manganese | Mn % | 1.500 - 1.700 | | |
| Phosphorus | P % | 0.015 max. | | |
| Sulphur | S % | 0.003 max. | | |
| Chromium | Cr % | 0.300 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.1118 | DIN | Germany | Casting |
| 1.1119 | EN | European Union | Casting |
| 1.1119 | DIN | Germany | Casting |
| 1.1118 | EN | European Union | Casting |
| GS-23Mn6 | DIN | Germany | Casting |
| G23 Mn6 | EN | European Union | Casting |
| GS-24Mn6 | 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

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