GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - IS 4367 40Cr4

## Standard Specification for Alloy Steel Forgings for General Industrial Use

**Group - Ferrous Mild Steel Alloys**

**Sub Group - IS 4367 40Cr4 Alloy Steel Forgings for General Industrial Use**

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

**Grade Belongs to the Industry - Steel and Forging**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.350 - 0.450 |
| Silicon | Si % | 0.100 - 0.350 |
| Manganese | Mn % | 0.600 - 0.900 |
| Chromium | Cr % | 0.900 - 1.200 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Hardening + Tempering |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 700 - 850 |
| Yield Strength in Mpa | 540 min. |
| Elongation in % | 18 min. |
| Reduction of Area in % | - |
| Hardness in HB | 208 - 252 |
| Impact in Joule | 55 J @ RT |

www.gravitycastindia.com

| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| IS 5517 40Cr4 | IS | India | Steel |
| IS 4368 40Cr1 | IS | India | Billets, Blooms and Slabs |
| IS 7494 40Cr4 | IS | India | Steel |
| IS 3930 40Cr4 | IS | India | Steel |
| IS 2507 50Cr4 | IS | India | Steel and Strip |
| IS 11169 40Cr4 | IS | India | Steel |
| IS 1570 40Cr4 | IS | India | 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**

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.