GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - IS 4367 16Ni8Cr6Mo2

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

**Group - Ferrous Mild Steel Alloys**

**Sub Group - IS 4367 16Ni8Cr6Mo2 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 % | 0.120 - 0.200 |
| Silicon | Si % | 0.100 - 0.350 |
| Manganese | Mn % | 0.400 - 0.700 |
| Nickel | Ni % | 1.800 - 2.200 |
| Chromium | Cr % | 1.400 - 1.700 |
| Molybdenum | Mo % | 0.150 - 0.250 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Stress Reliving, Quenching & Stress Reliving |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 1350 min. |
| Yield Strength in Mpa | - |
| Elongation in % | 9 min. |
| Reduction of Area in % | - |
| Hardness in HB | - |
| Impact in Joule | 35 J @ RT |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| IS 4368 16NiCr2Mo20 | IS | India | Billets, Blooms and Slabs |
| IS 11169 16Ni8Cr6Mo2 | IS | India | Steel |
| IS 1570 16Ni8Cr6Mo2 | IS | India | Steel |
| 970-3 822 A 17 | B.S. | United Kingdom | Steel |
| 970 En355 | B.S. | United Kingdom | 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.