



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 166 N06693

Standard Specification for Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 166 N06693 Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

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

Grade Belongs to the Industry - Rod, Bar and Wire

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.150 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.500 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Copper | Cu % | 0.500 max. | | |
| Sulphur | S % | 0.010 max. | | |
| Chromium | Cr % | 27.000 - 31.000 | | |
| Aluminium | Al % | 2.500 - 4.000 | | |
| Iron | Fe % | 2.500 - 6.000 | | |
| Titanium | Ti % | 1.000 max. | | |
| Niobium | Nb % | 0.500 - 2.500 | | |
| Nickel | Ni % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 690 min. Yield Strength in Mpa 345 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B 167 N06693 | ASTM | USA | Pipe and Tube |
| B 168 N06693 | ASTM | USA | Plate, Sheet and Strip |
| B 516 N06693 | ASTM | USA | Tube |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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