



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ASTM B 168 N06693

**Standard Specification for Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Plate, Sheet and Strip**

**Group - Non-Ferrous Nickel Alloys**

**Sub Group - ASTM B 168 N06693 Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Plate, Sheet and Strip**

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

**Grade Belongs to the Industry - Plate, Sheet and Strip**

| 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 |                                      |  |
| Iron                 | Fe % | 2.500 - 6.000   |                                      |  |
| Aluminium            | Al % | 2.500 - 4.000   |                                      |  |
| Titanium             | Ti % | 1.000 max.      |                                      |  |
| Niobium              | Nb % | 0.500 - 2.500   |                                      |  |
| Nickel               | Ni % | Balance         |                                      |  |
| -                    | -    | -               |                                      |  |
| -                    | -    | -               |                                      |  |
| -                    | -    | -               |                                      |  |
| -                    | -    | -               |                                      |  |
| -                    | -    | -               |                                      |  |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| B 166 N06693          | ASTM     | USA     | Rod, Bar and Wire            |
| B 167 N06693          | ASTM     | USA     | Pipe and Tube                |
| 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](mailto: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.

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