



Material - ASTM F 2281 601

Standard Specification for Stainless Steel and Nickel Alloy Bolts, Screw and Stud

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM F 2281 601 Stainless Steel and Nickel Alloy Bolts, Screw and Stud

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

Grade Belongs to the Industry - Bolts, Screw and Stud

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--------------------------------------|----------|
| Carbon | C % | 0.100 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 % | 0.015 max. | | |
| Chromium | Cr % | 21.000 - 25.000 | | |
| Nickel | Ni % | 58.000 - 63.000 | | |
| Aluminium | Al % | 1.000 - 1.700 | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 571 min. |
| - | - | - | Yield Strength in Mpa | 172 min. |
| - | - | - | Elongation in % | 35 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HRC | 65 - 85 |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B 166 N06601 | ASTM | USA | Rod, Bar and Wire |
| B 167 N06601 | ASTM | USA | Pipe and Tube |
| B 168 N06601 | ASTM | USA | Plate, Sheet and Strip |
| B 751 N06601 | ASTM | USA | Rod, Bar and Wire |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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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