



Material - ASTM B 564 N08031

Standard Specification for Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 564 N08031 Nickel Alloy Forgings

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

Grade Belongs to the Industry - Forging

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.015 max. | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 0.300 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Chromium | Cr % | 26.000 - 28.000 | | |
| Sulphur | S % | 0.010 max. | | |
| Molybdenum | Mo % | 6.000 - 7.000 | | |
| Phosphorus | P % | 0.020 max. | | |
| Nitrogen | N % | 0.150 - 0.250 | | |
| Copper | Cu % | 1.000 - 1.400 | | |
| Nickel | Ni % | 30.000 - 32.000 | | |
| Iron | Fe % | Balance | Mechanical Properties Tensile Strength in Mpa 650 min. Yield Strength in Mpa 276 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| B 472 N08031 | ASTM | USA | Billets and Bars |
| B 649 N08031 | ASTM | USA | Bar and Wire |
| B 462 N08031 | ASTM | USA | Pipe Flanges, Forged Fittings and Valve |
| B 619 N08031 | ASTM | USA | Pipe |
| B 622 N08031 | ASTM | USA | Pipe and Tube |
| B 626 N08031 | ASTM | USA | Tube |
| SB-564 N08031 | ASME | USA | Forging |

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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