GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASTM A511 Grade MT29-4

## Standard Specification for Seamless Stainless Steel Mechanical Tubing

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASTM A511 Grade MT29-4 Seamless Stainless Steel Mechanical Tubing**

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

**Grade Belongs to the Industry - Tubing**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.010 max. |
| Manganese | Mn % | 0.300 max. |
| Phosphorus | P % | 0.025 max. |
| Sulphur | S % | 0.020 max. |
| Silicon | Si % | 0.200 max. |
| Nickel | Ni % | 0.150 max. |
| Chromium | Cr % | 28.000 - 30.000 |
| Molybdenum | Mo % | 3.500 - 4.200 |
| Copper | Cu % | 0.150 max. |
| Nitrogen | N % | 0.020 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Quenching & Tempering |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 483 min. |
| Yield Strength in Mpa | 379 min. |
| Elongation in % | 20 min. |
| Reduction of Area in % | - |
| Hardness in HRB | 207 max. |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| S44700 | UNS | USA | Steel |
| A 176 S44700 | ASTM | USA | Plate, Sheet and Strip |
| A 959 Type 29-4 | ASTM | USA | Steel |
| A 268 29-4 | ASTM | USA | Steel and Tubing |
| A 580 S44700 | ASTM | USA | Steel and Wire |
| A 276 S44700 | ASTM | USA | Bars and Shapes |
| A 493 S44700 | ASTM | USA | Wire, Wire Rods and 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**

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.