GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASTM A276 Type 440C

## Standard Specification for Stainless Steel Bars and Shapes

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASTM A276 Type 440C Stainless Steel Bars and Shapes**

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

**Grade Belongs to the Industry - Bars and Shapes**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.950 - 1.200 |
| Manganese | Mn % | 1.000 max. |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.030 max. |
| Silicon | Si % | 1.000 max. |
| Chromium | Cr % | 16.000 - 18.000 |
| Molybdenum | Mo % | 0.750 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Annealing |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | - |
| Yield Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in BHN | 269 max. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| S44004 | UNS | USA | Bars, Wire, Shapes and Forging |
| AMS-QQ-S-763 440C | SAE | USA | Bars, Wire, Shapes and Forging |
| SA-276 440C | ASME | USA | Bars and Shapes |
| A 959 Type 440C | ASTM | USA | Steel |
| A 314 440C | ASTM | USA | Bars and Forging |
| A 473 440C | ASTM | USA | Steel and Forging |
| A 580 Type 440C | ASTM | USA | Steel 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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