GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASME SA-276 Type 405

## Standard Specification for Stainless Steel Bars and Shapes

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASME SA-276 Type 405 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 % | 0.080 max. |
| Manganese | Mn % | 1.000 max. |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.030 max. |
| Silicon | Si % | 1.000 max. |
| Chromium | Cr % | 11.500 - 14.500 |
| Nickel | Ni % | 0.500 max. |
| Aluminium | Al % | 0.100 - 0.300 |
| 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 | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| S40500 | UNS | USA | Steel |
| 1449-2 405 S 17 | B.S. | United Kingdom | Plate, Sheet and Strip |
| G 4312 SUS 405 | JIS | Japan | Plate and Sheet |
| A 473 405 | ASTM | USA | Steel |
| A 479 405 | ASTM | USA | Steel |
| A 268 TP405 | ASTM | USA | Steel and Tubing |
| A 511 MT405 | ASTM | USA | Steel and Tubing |

**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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