GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASTM A510 1513

## Standard Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel

**Group - Ferrous Mild Steel Alloys**
**Sub Group - ASTM A510 1513 General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel**
**Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries**
**Grade Belongs to the Industry - Wire Rods and Coarse Round Wire**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.100 - 0.160 |
| Manganese | Mn % | 1.100 - 1.400 |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.050 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As Raw or Annealing or Normalizing or Hardening and Tempering |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | - |
| Yield Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in HRC | - |
| Impact in Joule | - |

| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| G15130 | UNS | USA | Steel |
| G15131 | UNS | USA | Forging, Bars, and Tubing |
| J 1249 1513 | SAE | USA | Steel |
| SA-29 1513 | ASME | USA | Steel and Bars |
| 1513 | AISI | USA | Steel and Wire Rods |
| A 29 1513 | ASTM | USA | Steel and Bars |
| A 576 1513 | ASTM | USA | Steel and Bars |

**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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