



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 510 1536

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod, Round Wire and Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 510 1536 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod, Round Wire and Steel

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

Grade Belongs to the Industry - Wire Rod, Round Wire and Steel

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---|-----------|
| Carbon | C % | 0.300 - 0.370 | As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Manganese | Mn % | 1.200 - 1.500 | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| | | | Tensile Strength in Mpa | 570 - 630 |
| | | | Yield Strength in Mpa | 310 min. |
| | | | Elongation in % | 12 min. |
| | | | Reduction of Area in % | 35 - 40 |
| | | | Hardness in HB | 163 - 187 |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| G15360 | UNS | USA | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1536 | SAE | USA | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1536 | AISI | USA | Wire Rod, Round Wire and Steel |
| A 29 1536 | ASTM | USA | Steel and Bar |
| A 576 15L36 | ASTM | USA | Steel and Bar |
| A 830 1536 | ASTM | USA | Plate and Steel |
| A 830 G15360 | ASTM | USA | Plate and Steel |

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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ONE STOP SOLUTION FOR METAL PARTS