GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASTM A108 1022

## Standard Specification for Steel Bars, Carbon, Cold-Finished, Standard Quality

**Group - Ferrous Mild Steel Alloys**

**Sub Group - ASTM A108 1022 Steel Bars, Carbon, Cold-Finished, Standard Quality**

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

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

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.180 - 0.230 |
| Manganese | Mn % | 0.700 - 1.000 |
| 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** |
| G10220 | UNS | USA | Bars and Forging |
| SAE AMS 5070 1022 | AISI | USA | Bars and Forging |
| A 513 1022 | ASTM | USA | Steel and Tubing |
| A 576 1022 | ASTM | USA | Steel and Bars |
| A 519 1022 | ASTM | USA | Steel and Tubing |
| A 510 1022 | ASTM | USA | Steel and Wire Rods |
| A 29 1022 | 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**

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.