GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - Gravity SC1030

## Standard Specification for Steel Castings, Carbon and Alloy, with Tensile Requirements, Chemical Requirements Similar to Standard Wrought Grades

**Group - Ferrous Mild Steel Alloys**

**Sub Group - Gravity SC1030 Steel Castings, Carbon and Alloy, with Tensile Requirements, Chemical Requirements Similar to Standard Wrought Grades**

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

**Grade Belongs to the Industry - Casting**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.150 - 0.450 |
| Manganese | Mn % | 2.000 max. |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.040 max. |
| Silicon | Si % | 1.000 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| Annealing or Normalizing or Quenching & Tempering |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 550 min. |
| Yield Strength in Mpa | 275 min. |
| Elongation in % | 25 min. |
| Reduction of Area in % | 45 min. |
| Hardness in HB | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| J03012 | UNS | USA | Casting |
| A 915 SC 1030 | ASTM | USA | Casting |
| 1.1811 | DIN | Germany | Casting |
| G-31 Mn 4 | DIN | Germany | Casting |
| 3203 SFVA F 1 | JIS | Japan | Casting |
| 7065 C 30 | UNI | Italy | Steel and Strip |
| 7746 Fe 490 | UNI | Italy | 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**

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.