GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - BS EN 10263-2 C20C I 1.0411

## Standard Specification for Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

**Group - Ferrous Mild Steel Alloys**

**Sub Group - BS EN 10263-2 C20C I 1.0411 Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion**

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

**Grade Belongs to the Industry - Rod, Bars and Wire**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.180 - 0.220 |
| Silicon | Si % | 0.100 max. |
| Manganese | Mn % | 0.700 - 0.900 |
| Phosphorus | P % | 0.025 max. |
| Sulphur | S % | 0.025 max. |
| Aluminium | Al % | 0.020 - 0.060 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 650 max. |
| Proof Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | 53 min. |
| Hardness in HB | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| 141312 1312 | SS | Sweden | Steel |
| 141312 1312-00 | SS | Sweden | Steel |
| 1.0411 | EN | European Union | Steel |
| 10263-2 1.0434 | EN | European Union | Rod, Bars and Wire |
| 10263-2 C17C | EN | European Union | Rod, Bars and Wire |
| 10263-3 1.1147 | EN | European Union | Rod, Bars and Wire |
| 10263-3 C17E2C | EN | European Union | Rod, Bars and Wire |

**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.