GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - BS EN 10207 P265S I 1.0130

## Standard Specification for Technical Delivery Requirements for Plates, Strips, and Bars

**Group - Ferrous Mild Steel Alloys**
**Sub Group - BS EN 10207 P265S I 1.0130 Technical Delivery Requirements for Plates, Strips, and Bars**
**Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries**
**Grade Belongs to the Industry - Plates, Strips and Bars**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.200 max. |
| Silicon | Si % | 0.400 max. |
| Manganese | Mn % | 0.500 - 1.500 |
| Phosphorus | P % | 0.025 max. |
| Sulphur | S % | 0.025 max. |
| Aluminium | Al % | 0.020 min. |
| Nitrogen | N % | 0.010 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw or Normalizing |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 410 - 530 |
| Yield Strength in Mpa | 265 min. |
| Elongation in % | 22 min. |
| Reduction of Area in % | - |
| Hardness in HB | - |
| Impact in Joule | 28 @ -20°C |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| EN 10207 1.0130 | DIN | Germany | Steeel |
| EN 10207 P265S | DIN | Germany | Steeel |
| EN 10207 P 265 S | UNI | Italy | Steel |
| EN 10207 SPH 265 | UNI | Italy | Steel |
| G 3126 SLA 235A | JIS | Japan | Steel |
| G 3115 SPV 235 | JIS | Japan | Steel |
| A 302 Grade A | ASTM | USA | 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.