GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - SAE J 1249 Grade 3130

## Standard Specification for Chemical Compositions of SAE Experimental Steels

**Group - Ferrous Mild Steel Alloys**

**Sub Group - SAE J 1249 Grade 3130 Chemical Compositions of SAE Experimental Steels**

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

**Grade Belongs to the Industry - Steel**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.280 - 0.330 |
| Manganese | Mn % | 0.600 - 0.800 |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.040 max. |
| Silicon | Si % | 0.200 - 0.350 |
| Chromium | Cr % | 0.550 - 0.750 |
| Nickel | Ni % | 1.100 - 1.400 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

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

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | - |
| Yield Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in HV | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| SAE J 1249 3130 | AISI | USA | Steel |
| SAE J 1249 3115 | AISI | USA | Steel |
| SAE J 1249 3120 | AISI | USA | Steel |
| 13 NiCr 6 | DIN | Germany | Steel |
| A 681 P3 | ASTM | USA | Steel |
| J 1249 3120 | SAE | USA | Steel |
| J 1249 3115 | SAE | 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.