



## Material - CSN EN-JS1024

### Standard Specification For Spheroidal Graphite Cast Irons Castings

Group - Ferrous SG Iron I Ductile Iron Alloys

Sub Group - BS EN-JS1024 Spheroidal Graphite Cast Irons Castings

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

Grade Belongs to the Industry - Casting

| Chemical Composition  |      |   | Heat Treatment          |           |
|-----------------------|------|---|-------------------------|-----------|
| Carbon                | C %  | - | As-Cast                 |           |
| Silicon               | Si % | - |                         |           |
| Manganese             | Mn % | - |                         |           |
| Phosphorus            | P %  | - |                         |           |
| Sulphur               | S %  | - |                         |           |
| Chromium              | Cr % | - |                         |           |
| Nickel                | Ni % | - |                         |           |
| Copper                | Cu % | - |                         |           |
| Iron                  | Fe % | - |                         |           |
| -                     | -    | - |                         |           |
| Mechanical Properties |      |   | Tensile Strength in Mpa | 400 min.  |
| -                     | -    | - | Yield Strength in Mpa   | 250 min.  |
| -                     | -    | - | Elongation in %         | 18 min.   |
| -                     | -    | - | Reduction of Area in %  | -         |
| -                     | -    | - | Hardness in BHN         | -         |
| -                     | -    | - | Impact in Joule         | 14 J @ RT |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| JS 400-18-RT          | ISO      | International  | Casting                      |
| JS 400-18-RT          | AS       | Australia      | Casting                      |
| EN-GJS-400-18-RT      | AFNOR NF | France         | Casting                      |
| EN-JS1024             | DIN      | Germany        | Casting                      |
| 5.3104                | EN       | European Union | Casting                      |
| EN-GJS-400-18-RT      | UNI      | Italy          | Casting                      |
| EN-GJS-400-18-RT      | NS       | Norway         | Casting                      |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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