

Material: DIN EN-JS1040

Standard Specification For Spheoidal Graphite Cast Irons Castings

Group: Ferrous SG Iron / Ductile Iron Alloys

Sub Group: DIN EN-JS1040 Spheoidal Graphite Cast Irons Castings

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

Grade Belongs to the Industry: Casting

| Chemical Composition | | |
|----------------------|------|---|
| Carbon | C % | - |
| Silicon | Si % | - |
| Manganese | Mn % | - |
| Phosphorus | P % | - |
| Sulphur | S % | - |
| Chromium | Cr % | - |
| Nickel | Ni % | - |
| Copper | Cu % | - |
| Iron | Fe % | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|----------------|
| As-Cast |

| Mechanical Properties | |
|-------------------------|----------|
| Tensile Strength in Mpa | 450 min. |
| Yield Strength in Mpa | 310 min. |
| Elongation in % | 10 min. |
| Reduction of Area in % | - |
| Hardness in BHN | - |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| JS 500-7 | ISO | International | Casting |
| JS 500-7 | AS | Australia | Casting |
| EN-GJS-500-7 | BS | British | Casting |
| EN-JS1050 | UNE | Spain | Casting |
| 5.3200 | SS | Sweden | Casting |
| FCD 500-7 | JIS | Japan | Casting |
| 5.3200 | EN | European Union | Casting |

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