

## Material: SFS 385 G X 12 Cr 13

### Standard Specification for Steel Castings Suitable for Pressure Service

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** SFS 385 G X 12 Cr 13 Steel Castings Suitable for Pressure Service

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

**Grade Belongs to the Industry:** Casting

| Chemical Composition |      |                 | Heat Treatment                     |   |
|----------------------|------|-----------------|------------------------------------|---|
| Carbon               | C %  | 0.150 max.      | Annealing or Hardening + Tempering |   |
| Silicon              | Si % | 1.000 max.      |                                    |   |
| Manganese            | Mn % | 1.000 max.      |                                    |   |
| Phosphorus           | P %  | 0.040 max.      |                                    |   |
| Sulphur              | S %  | 0.040 max.      |                                    |   |
| Chromium             | Cr % | 11.500 - 14.000 |                                    |   |
| Nickel               | Ni % | 1.000 max.      |                                    |   |
| Molybdenum           | Mo % | 0.500 max.      |                                    |   |
| Iron                 | Fe % | Balance         | Mechanical Properties              |   |
| -                    | -    | -               | Tensile Strength in Mpa            | - |
| -                    | -    | -               | Yield Strength in Mpa              | - |
| -                    | -    | -               | Elongation in %                    | - |
| -                    | -    | -               | Reduction of Area in %             | - |
| -                    | -    | -               | Hardness in BHN                    | - |
| -                    | -    | -               | Impact in Joule                    | - |

| Cross Reference Table |          |         |                               |
|-----------------------|----------|---------|-------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry  |
| 410.0000              | AISI     | USA     | Bar, Wire, Shapes and Forging |
| 410 C 21              | BS       | British | Casting                       |
| 15ch13L               | GOST     | Russia  | Casting                       |
| 5351                  | AMS      | USA     | Casting                       |
| A217 CA 15            | ASTM     | USA     | Casting                       |
| A487 CA 15            | ASTM     | USA     | Casting                       |
| A743 CA 15            | ASTM     | USA     | Casting                       |

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India