



## Material - UNI X 16 CrNi 23-14

**Standard Specification for Corrosion and Heat Resisting, Stainless Steel Plate, Sheet, Strip and Coil**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - UNI X 16 CrNi 23-14 Corrosion and Heat Resisting, Stainless Steel Plate, Sheet, Strip and Coil**

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

**Grade Belongs to the Industry - Plate, Sheet, Strip and Coil**

| Chemical Composition |      |                 | Heat Treatment          |           |
|----------------------|------|-----------------|-------------------------|-----------|
| Carbon               | C %  | 0.200 max.      | Solution Annealing      |           |
| Silicon              | Si % | 1.000 max.      |                         |           |
| Manganese            | Mn % | 2.000 max.      |                         |           |
| Phosphorus           | P %  | 0.045 max.      |                         |           |
| Sulphur              | S %  | 0.030 max.      |                         |           |
| Chromium             | Cr % | 22.000 - 24.000 |                         |           |
| Nickel               | Ni % | 12.000 - 15.000 |                         |           |
| Iron                 | Fe % | Balance         |                         |           |
| -                    | -    | -               | Mechanical Properties   |           |
| -                    | -    | -               | Tensile Strength in Mpa | 540 - 735 |
| -                    | -    | -               | Yield Strength in Mpa   | 225 min.  |
| -                    | -    | -               | Elongation in %         | 25 min.   |
| -                    | -    | -               | Reduction of Area in %  | -         |
| -                    | -    | -               | Hardness in BHN         | 220 max.  |
| -                    | -    | -               | Impact in Joule         | -         |

| Cross Reference Table |          |                |   |
|-----------------------|----------|----------------|---|
| Material              | Standard | Country        | Grade Belong to the Industry                          |
| 1.4833                | EN       | European Union | Hot or Cold Rolled, Sheet, Plate, Strip, Bar and Rods |
| SUH 309               | JIS      | Japan          | Bar, Sheet, Strip and Coil                            |
| 309                   | SAE      | USA            | Bar, Wire, Shapes and Forging                         |
| SA-351 Grade CH20     | ASME     | USA            | Casting   |
| X 15 CrNi 24-13       | AFNOR NF | France         | Rolled Tubes for Pressure Service                     |
| A743 CH20             | ASTM     | USA            | Casting   |
| A351 CH20             | ASTM     | USA            | Casting   |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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