



Material - JIS SUS 304L

Standard Specification for Iron-Chromium-Nickel Alloy Bar

Group - Ferrous Stainless Steel Alloys

Sub Group - JIS SUS 304L Iron-Chromium-Nickel Alloy Bar

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

Grade Belongs to the Industry - Bar

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|-------------------------|------------|
| Carbon | C % | 0.030 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 % | 18.000 - 20.000 | | |
| Nickel | Ni % | 9.000 - 13.000 | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 480 - 1130 |
| - | - | - | Yield Strength in Mpa | 175 min. |
| - | - | - | Elongation in % | 1 - 62 |
| - | - | - | Reduction of Area in % | 60 min. |
| - | - | - | Hardness in HB | 187 max. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| 04CH 18N10 | GOST | Russia | Pipes, Fittings, Bar, Sheet and Forging |
| 304L | AISI | USA | Bar, Wire, Strip, Plat, Sheet and Forging |
| 1.4306 | DIN | Germany | Cold Rolled, Strips, Slit, Coils and Forging |
| 1.4307 | EN | European Union | Rod, Bars, Wire and Forging |
| 304 S11 | BS | British | Bright Bars, Hot Rolled and Cold Rolled, Coil |
| A743 CF3 | ASTM | USA | Casting |
| A351 CF3 | 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

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