

Material: BS 10216-5 EN 1.4401

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: BS 10216-5 Seamless Steel Tubes for Pressure Purposes

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

Belongs to the Industry: Tube

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.070 max. | Solution Annealing | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.015 max. | | |
| Chromium | Cr % | 16.500 - 18.500 | | |
| Nickel | Ni % | 10.000 - 13.000 | | |
| Molybdenum | Mo % | 2.000 - 2.500 | | |
| Nitrogen | N % | 0.110 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 510 - 710 Yield Strength in Mpa 205 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 60 min. @ -196°C | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|--|
| Material | Standard | Country | Grade Belong to the Industry |
| 316L | AISI | USA | Bar, Wire, Strip, Slit, Plate, Sheet and Forging |
| 1.4404 | DIN | Germany | Cold Rolled, Strips, Slit Coils and Sheets |
| 1.4404 | EN | European Union | Rod, Bars, Wire and Forging |
| 316 S 11 | BS | British | Bright Bars, Hot Rolled and Cold Rolled Coil |
| SUS 316L | JIS | Japan | Hot Rolled Equal Leg Angles |
| 03CH17N14M3 | GOST | Russia | Pipes, Fittings, Bar, Sheet and Forging |
| ASTM A 351 CF3M | 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