| AUSTENITIC STAINLESS STEEL | |
|---|---|
| EN DESIGNATION | ASTM DESIGNATION |
| 1.4307/1.4301 | 304L/304 |
| | S30403 |

**Description:**

Cr-Ni austenitic stainless steels are the most versatile with the most extended use. They exhibit good properties regarding corrosion resistance, forming and weldability. It is more resistant to intergranular corrosion due to its low carbon content.

**Chemical Composition:**

| C | S | P | Mn | Si | Cr | Ni | N |
|---|---|---|---|---|---|---|---|
| ≤ 0.030 | ≤0.030 | ≤ 0.045 | ≤2.00 | ≤ 0.75 | 17.5-19.5 | 8.0-10.5 | ≤ 0.10 |

**Mechanical Properties:**

| Rm (MPa) | Rp0.2(MPa) | A50 (%) | HRBW |
|---|---|---|---|
| ≥ 515 | ≥ 205 | ≥ 40 | ≤ 92 |

**Applications:**
Tubes, boiler forge, chemical industry, cryogenic applications

**Intergranular Corrison:**
Due to its low carbon content ≤0.03%, is more resistant to intergranular corrosion.

**Pitting Corrosion:**
The Cr-Ni stainless steels can be safely used in chloride media with concentations lower than 200ppm.

**Surface Cleaning:**
Wash the surface with neutral soap and water applied with a cloth or a brush without scratching the stainless steel. Then, always rinse the stainless steel with water to remove completely the cleaning agent. Finally, it is recommended to dry the surface to preserve a good superficial condition. In severe environments, a frequent cleaning is strongly recommended.

**Specifications:**
It can be delivered according to EN, ASTM, ASME standard requirements.
Is approved in compliances with:
- PED (Pressure Equipment Directive) according to EN 10028-7 and AD 2000 Merkblatt W2 and W10.