

CORROSIONS-RESISTANT STEELS - AUSTENITIC STEELS AND NON MAGNETIC STEELS

Available Product Variants

Plates

Product Description

Austenitic chromium-nickel-silicon steel with extra low carbon content. High corrosion resistance against highly concentrated nitric acid (80 – 99,5%) or nitric acid with additions of strong oxidiser. Resistant to intergranular corrosion up to 350 °C. Components in the chemical industry, e.g. heat exchanger, columns and acid refrigerators, Application temperature: -50°C up to 350°C, for transport and storage tanks max. 200°C.

Applications

- > Components for Chemical plants (incl. LNG, FGD, Urea, LDPE, etc.)
- > Other Oil and Gas + CPI components
- > Tubular Products, Flanges, Fittings

Technical data

| Material designation | |
|----------------------|-----|
| 1.4361 | SEL |
| S30600 | UNS |

Chemical composition (wt. %)

| C | Si | Mn | Cr | Ni |
|---------|-----|------|------|----|
| ≤ 0,012 | 4.2 | 0.65 | 17.5 | 15 |

If other available product variants are listed in addition to long products, please note that these may differ in terms of melting process, technical data, delivery and surface condition as well as available product dimensions. For mandatory technical specifications, other requirements and dimensions, please contact our regional voestalpine BÖHLER sales companies. The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

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ONE STEP AHEAD.