

CREEP RESISTANT STEELS

Available Product Variants

| |
|--------|
| Plates |
|--------|

Product Description

Highly stressed turbine blades and turbine discs , screws, shafts, bolts, pins and rings.

Properties

Creep resisting, corrosion resistance hardened and tempered steel, with good toughness and good creep rupture strength. Usual upper temperature limit for continuous operating 560°C.

Applications

> Turbine and Engine Parts (Aerosp)

Technical data

| Material designation | | Standards | |
|----------------------|-----|-----------|--------|
| 1.4933 | SEL | S538 | BS |
| 1.4939 | | Z12CNDV12 | Others |
| S64152 | UNS | | |
| X11CrNiMo12 | EN | | |
| X12CrNiMo12 | | | |

Chemical composition (wt. %)

| C | Si | Mn | Cr | Mo | Ni | V | N |
|------|-----|-----|------|-----|-----|-----|------|
| 0.12 | 0.2 | 0.8 | 11.7 | 1.7 | 2.7 | 0.3 | 0.04 |

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.

voestalpine BÖHLER Edelstahl GmbH & Co KG
 Mariazeller Straße 25
 8605 Kapfenberg, AT
 T. +43/50304/20-0
 E. info@boehler-edelstahl.at
<https://www.voestalpine.com/boehler-edelstahl/de/>

voestalpine
 ONE STEP AHEAD.