

# TITANIUM AND TITANIUM ALLOYS

## Available Product Variants

Plates

## Product Description

Bohler L533 is the „Extra Low Interstitials“ version of the classic Ti-6Al-4V alloy with special high purity and lower content of oxygen and iron.

## Applications

- > Medical
- > Aerospace
- > Other Power Generation Components
- > Medical Instruments & Implants
- > Motorsport industry
- > Power Generation (Gas/Steam/Nuclear)
- > Other Oil and Gas + CPI components
- > Other Aerospace Components

## Technical data

| Material designation |              | Standards  |        |
|----------------------|--------------|------------|--------|
| Titan Grade 23       | Market grade | ISO 5832-3 | EN ISO |
| Titan Grade 5 ELI    |              | 17850      | DIN    |
| 3.7165               | SEL          | 17860      |        |
| R56407               | UNS          | B265       | ASTM   |
|                      |              | F136       |        |
|                      |              | 4907       | AMS    |

## Chemical composition (wt. %)

| C         | V          | Al           | Fe        | N         | O         | H           | Others   |
|-----------|------------|--------------|-----------|-----------|-----------|-------------|----------|
| max. 0.08 | 3.5 to 4.5 | 5.50 to 6.50 | max. 0.25 | max. 0.03 | max. 0.13 | max. 0.0125 | max. 0.1 |

Related to ASTM B265

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.

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



ONE STEP AHEAD.