

# 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.

## Properties

- Due to the alloys' good corrosion resistance in various environments, biocompatibility and high strength to density ration it offers a wide range of applications.

## Applications

- > Medical
- > Aerospace
- > Other Power Generation Components
- > Medical Instruments & Implants
- > Automotive Racing
- > Power Generation (Gas/Steam/Nuclear)
- > Other Oil and Gas + CPI comps.
- > Other Aerospace Comps.

## Technical data

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

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@bohler-edelstahl.at  
<https://www.voestalpine.com/bohler-edelstahl/de/>

**voestalpine**  
 ONE STEP AHEAD.