



SHEETS, PLATES AND
BLANKS FOR THE
AEROSPACE INDUSTRY



QUALITY IS BEARING A NAME

voestalpine BÖHLER Bleche

**SPECIALIZED IN MANUFACTURING
SINGLE ROLLED SHEETS, PLATES AND BLANKS
FOR THE AEROSPACE INDUSTRY.**

voestalpine BÖHLER Edelstahl, Kapfenberg, Austria covers all melting and re-melting processes with state-of-the-art equipment, e.g.

- » EAF / AOD
- » ESR
- » VIM
- » VAR

In combination with our cross-rolling technology, we are able to support you with a homogenous product having excellent material properties.



THE DISTINCT ADVANTAGE – CROSS-ROLLING

WE RELY ON OUR STATE OF THE ART TECHNOLOGY AND EXPERTISE TO PRODUCE PREMIUM MATERIALS.

The main advantage of the cross-rolling technique is the uniform microstructure after heat treatment which creates excellent mechanical-, technological- and physical properties in the longitudinal and transverse direction.

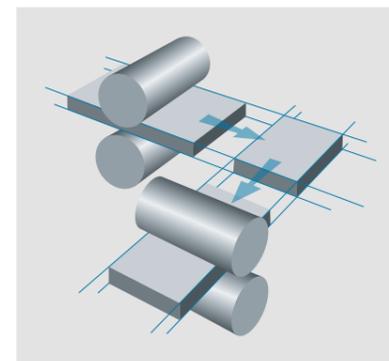
Duo III



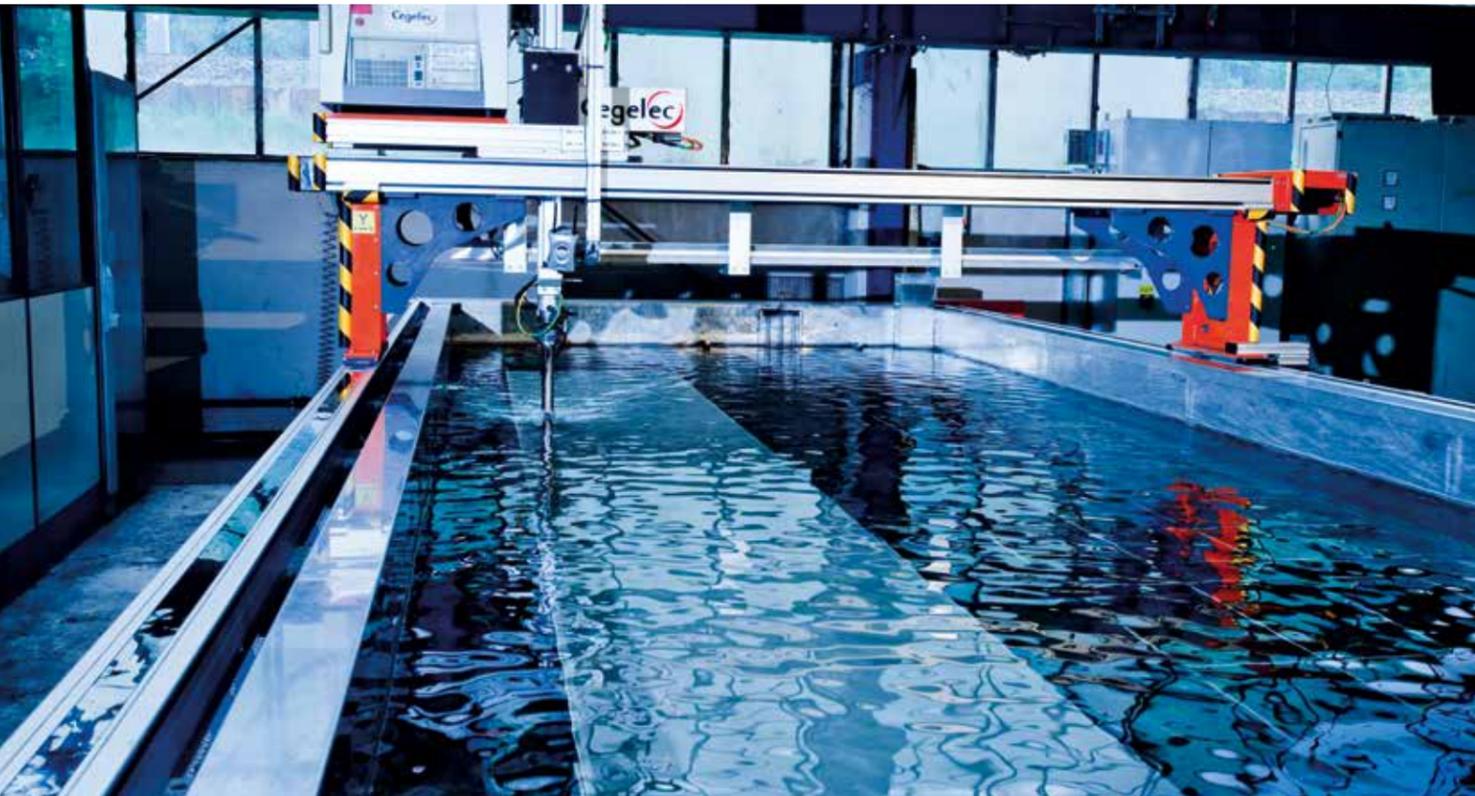
Heat treatment furnace



Water jet cutting unit



Cross rolling technology



Ultrasonic immersion testing unit

GUARANTEED QUALITY AND SERVICE



RELIABILITY, LONG TERM PARTNERSHIP, TRUST – BASIS OF OUR SUCCESS.

Continuous improvement of quality control procedures to meet particular demands of aerospace industry and development of new processes and technologies are an integrated part of our research activities.

Qualification, skills and motivation of our employees are the basis to satisfy the high quality requirements and demands of our customers.

The accreditation of NADCAP and ISO 17025 show the competence of our testing laboratory.

TECHNICAL SUPPORT

T. +43/50304 40-26312

bbg.ta@voestalpine.com



SPECIAL ALLOYS AND TITANIUM

BÖHLER provides the materials that aerospace engineers need – in the grade and dimension they want – together with lowest order Quantities.

GRADES, STANDARDS, CUSTOMER SPECIFICATIONS & APPROVALS

Type of alloy	BÖHLER grade	Market Grade	Standards				Industry Specifications
			AMS	W Nr. UNS	BS	Others (AIR)	
Austenite	BÖHLER A700	Alloy 321	5510	1.4544	S524 S526		
	BÖHLER A750	Alloy 347	5512		S525 S527		
Nickel Base	BÖHLER L718	Alloy 718	5596				
Martensite	BÖHLER N100	Alloy 410				CCTLA327	
	BÖHLER N700	17-4 PH	5604	1.4548	Z5CNU17 X5CrNiCuNb 17 4 4	DMD229-21, CCTLA206, ABS5691	
	BÖHLER N701	15-5 PH	5862		EZ5CNU15.05 X5CrNiCu15.05	ABS5454, BMS7-240	
	BÖHLER N710	Alloy FV520S			S532 S533	DEF STAN95-16, Annex B	
	BÖHLER N719	13-8 Mo	5864				
BÖHLER N750	17-7 PH	5528	1.4564				

Other grades on request

GRADES, STANDARDS, CUSTOMER SPECIFICATIONS & APPROVALS

Type of alloy	BÖHLER grade	Market Grade	Standards				Industry Specifications
			AMS	W Nr. UNS	BS	Others (AIR)	
Creep Resisting	BÖHLER T200	Alloy A286	5525	1.4943 1.4944		Z6NCT25	ASNA6029
	BÖHLER T552SG	Jethete M152		1.4933 1.4939		Z12CNDV12	MSRR6504, DMD237-21, CCTLA125
	BÖHLER T555	Alloy FV607					RRMS32006
	BÖHLER T670	Alloy FV520					DEF STAN95-16, Annex A, ABM7-1057
Heat Treatable	BÖHLER V340SB			1.7214	S534 S535	25CD4S	AIR9160
	BÖHLER V354			1.7734		15CDV6	AIR9160, ASNA3100, ASNA3102, CCT0715/CCT0722
Maraging	BÖHLER V720	Maraging 300		1.6354			
	BÖHLER V721	Maraging 250	6520	1.6359			

Other grades on request

GRADES, STANDARDS, CUSTOMER SPECIFICATIONS & APPROVALS

Type of alloy	BÖHLER grade	Market Grade	Standards				Standards
			AMS	W Nr. UNS	BS	Others (AIR)	
Titanium	BÖHLER L512	Grade 2	4902	3.7035			ASTM B265
	BÖHLER L531	Grade 5	4911	3.7165			ASTM B265
	BÖHLER L533	Grade 23	4907	3.7165			ASTM B265

Other grades on request

CUSTOMERS SATISFACTION IS OUR GOAL

System Approvals

ISO9001

EN9100

ISO14001

ISO50001

OHSAS 18001

ISO 17025

Process Approvals

NADCAP for Heat Treating,
Material Testing and
Non Destructive Testing

Customer Approvals

Airbus

All Metal Services

BAE-Systems

Boeing

Dassault Aviation

Gulfstream

Rolls-Royce

Safran Group

Spirit AeroSystems (Europe) Limited

TAILOR MADE FOR YOUR NEEDS

Dimensions hot rolled

Width max. 2,000 mm

Length max. 6,000 mm

Thickness 1.5 mm up to 90 mm

Weight max. 3,000 kg

Dimensions cold rolled

Width max. 1,000 mm

Length max. 5,000 mm

Thickness 1.0 mm up to 6.0 mm

Stated figures are guide values, special requirements on request.

Edge finish

Shear cut

Laser cut

Cold sawn

Plasma cut

Water jet cut

Surface finish

Shot blasted

Pickled

Ground

Minimum order quantities

Standard alloys (output of one slab)

steel 600 – 3,000 kg

Ni-base-alloys 800 – 2,200 kg

Titanium 600 – 1,100 kg

Special alloys (output of one melt)

VID 6 – 8 to

EAF-VOD 25 – 35 to

VIM 5 alt. 10 to
(Ni-base-alloys)

Minimum order quantities for other melting routes on request.



Band saw



Laser cutting unit



Water jet cutting unit

The data contained in this brochure shall not be binding and shall, in case of a contract conclusion, not be regarded as warranted. These data shall merely constitute average values that become binding only if explicitly specified in a contract concluded with us. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

Copyright © 2022 by voestalpine BÖHLER Bleche GmbH & Co KG. All rights reserved. This publication or parts of it may not be reproduced, copied or otherwise used without the prior written permission of voestalpine BÖHLER Bleche GmbH & Co KG. Printed on chlorine-free bleached paper having no pollution effects.



voestalpine BÖHLER Bleche GmbH & Co KG

Böhler-Gasse 1

8680 Mürtzuschlag, Austria

T. +43/50304 40-26312

E. bbg.ta@voestalpine.com

www.voestalpine.com/bohler-bleche

BL 054 E – 06.2022 – 500

voestalpine

ONE STEP AHEAD.