



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.



Duo III



Heat treatment furnace

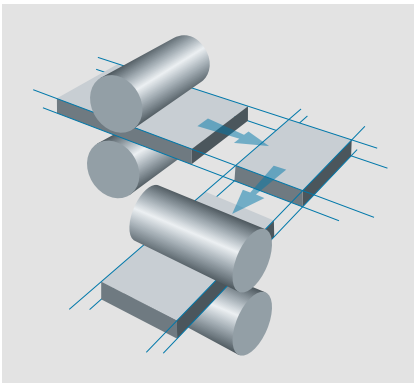


Water jet cutting unit

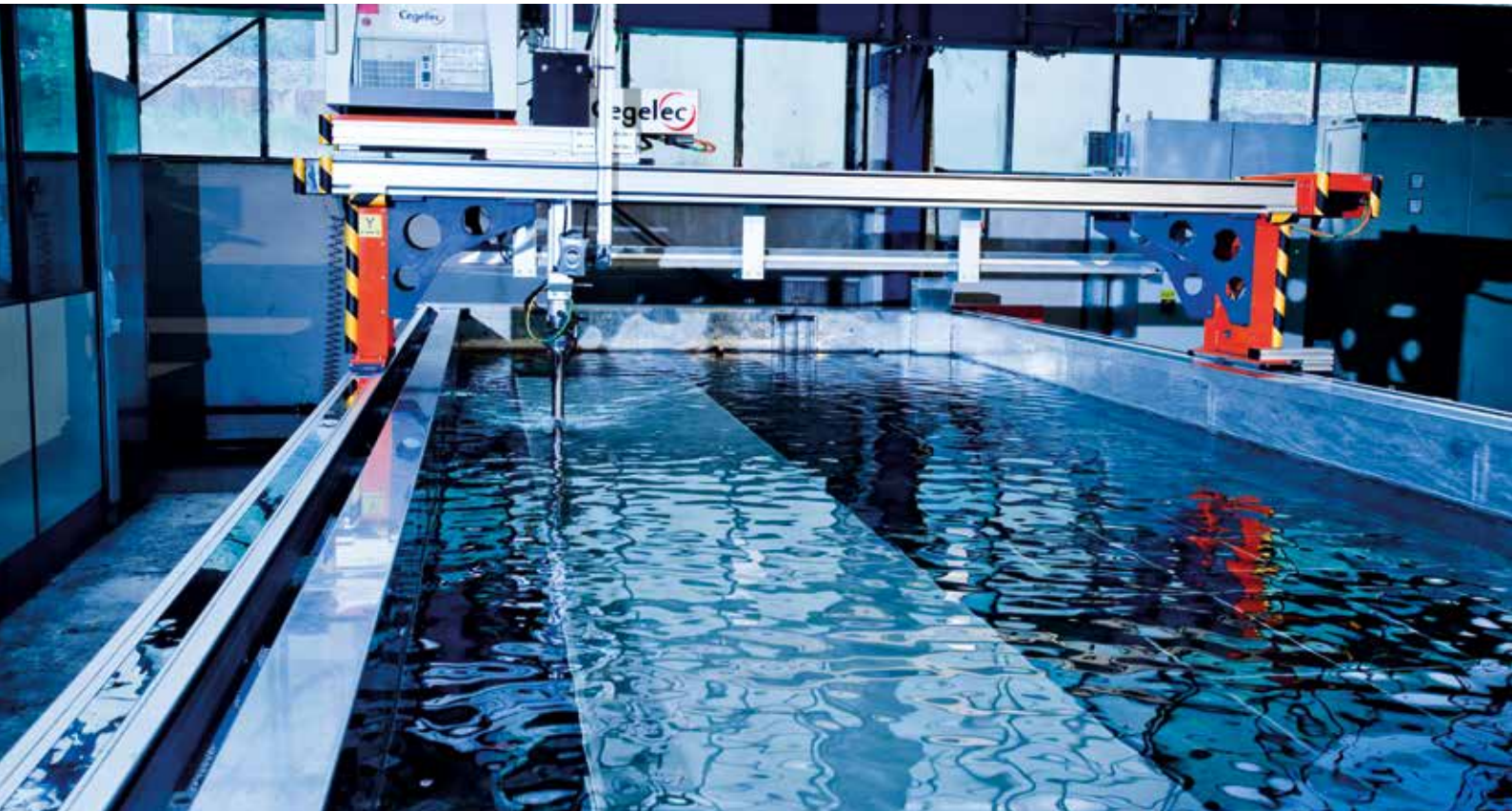
THE DISTINCT ADVANTAGE – CROSS-ROLLING

**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.



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

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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 L625	Alloy 625	5599				
Martensite	BÖHLER N100	Alloy 410	5504			CCTLA327	
	BÖHLER N700	17-4 PH	5604	1.4548		Z5CNU17 X5CrNiCuNb 17 4 4 DMD229-21, CCTLA206	
	BÖHLER N701	15-5 PH	5862			EZ5CNU15.05 X5CrNiCu15.05 ASNA6116, ASNA3297, BMS7-240	
	BÖHLER N710	Alloy FV520S			S532 S533	DEF STAN95-16, Annex B	
	BÖHLER N719	13-8 Mo	5864			IGC04.31.226	
	BÖHLER N750	17-7 PH	5528	1.4564			

Other grades on request

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)	
Creep Resisting	BÖHLER T200	Alloy A286	5525	1.4943 1.4944		Z6NCT25	ASNA6029, CCTLA78, DMD275-23
	BÖHLER T552SG	Jethete M152		1.4933 1.4939	S538	Z12CNDV12	MSRR6504, DMD237-21, CCTLA125
	BÖHLER T555	Alloy FV607					MSRR6514
	BÖHLER T670	Alloy FV520					DEF STAN95-16, Annex A, BACM8, ABM7-1057
Heat Treatable	BÖHLER V330SH	Alloy 4130	6350 6345				RS130
	BÖHLER V340SB			1.7214	S534 S535	25CD4S	AIR9160, DMD174-21
	BÖHLER V354			1.7734		15CDV6	AIR9160, ASNA3100, ASNA3102, CCTLA081, DMD172-21
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

Gulfstream

Rolls-Royce

Safran Group

Spirit AeroSystems (Europe) Limited



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.

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TAILOR MADE FOR YOUR NEEDS

Dimensions hot rolled

Width	max. 2,000 mm
Length	max. 7,000 mm
Thickness	2.0 mm up to 90 mm
Weight	max. 3,000 kg

Dimensions cold rolled

Width	max. 1,350 mm
Length	max. 5,000 mm
Thickness	0.8 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

As rolled
Shot blasted
Pickled
Ground
Milled

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

Minimum order quantities for other melting routes on request.



Plasma cutting unit



Laser cutting unit



Water jet cutting unit



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ONE STEP AHEAD.