



BÖHLER SPECIAL MATERIALS
SHEETS, PLATES AND BLANKS
FOR THE AEROSPACE INDUSTRY

QUALITY IS BEARING A NAME – BÖHLER BLECHE

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

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.





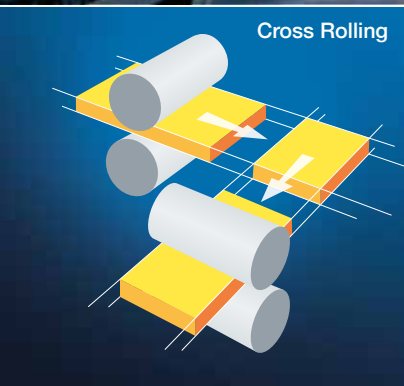
THE DISTINCT ADVANTAGE – CROSS-ROLLING

**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.



Three High Mill



Cross Rolling



Heat Treatment Furnace



Band Saw

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

Phone: +43 (0) 3852 / 555 26304

Fax: +43 (0) 3852 / 555 26320

E-Mail: bbg.ta@bohler-bleche.at



Ultrasonic Immersion Testing Unit



Tensile Test

MATERIALS

GRADES, STANDARDS, CUSTOMER SPECIFICATIONS & APPROVALS											
GRADE	MARKET GRADE	MELTING ROUTE					STANDARDS				INDUSTRY SPECIFICATIONS
		ESR	ESR	VAR	ESR	VAR	AMS	W Nr. UNS	BS	OTHERS (AIR)	
BÖHLER A700	Alloy 321						5510	1.4544	S524 S526		
BÖHLER A750	Alloy 347						5512		S525 S527		
BÖHLER L625	Alloy 625						5599				
BÖHLER L718	Alloy 718						5596	2.4668		NC19FeNb	
BÖHLER N100	Alloy 410						5504				CCTLA327
BÖHLER N404SC										Z8CND17-04	prEN4642, CCTLA257, ASNA6109
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 provides the materials that aerospace engineers need – in the grade and dimension they want – together with lowest order Quantities.



GRADES, STANDARDS, CUSTOMER SPECIFICATIONS & APPROVALS

GRADE	MARKET GRADE	MELTING ROUTE					STANDARDS				INDUSTRY SPECIFICATIONS
		SAF	ESR	VAR	ESR	VAR	AMS	W Nr. UNS	BS	OTHERS (AIR)	
BÖHLER N750	17-7 PH						5528	1.4564			
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
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
BÖHLER V720	Maraging 300							1.6354			
BÖHLER V721	Maraging 250						6520	1.6359			

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CUSTOMERS SATISFACTION IS OUR GOAL!

DELIVERY COMMITMENT AND TAILOR MADE SOLUTIONS FOR A HIGH - FLYING FUTURE!

MAIN APPROVALS	
TÜV-SÜD	EN9100, ISO9001, ISO14001, BS OHSAS 18001, ISO50001
Federal Ministry of Science, Research and Economy	Testing Laboratory EN ISO / IEC 17025
Nadcap SAE Aerospace Standard AS7003	Non Destructive Testing, Materials Testing, Heat Treating
Snecma – Groupe Safran	Laboratory Qualification PRO-00430 N° FAL 379
Airbus SAS	Ref. 204793
BAE Systems	Ref ACO/B/LT/JJH/3629
EADS Airbus GmbH	QSF-B
Messier-Bugatti (Groupe Safran)	MA3Z001001-BTT
Bombardier Aerospace	EMCM-001 Rev. AH
Messier-Dowty (Safran Group)	PRIDE Commodity Group R1
Raytheon Aircraft	Ref. RAIFSAS/QA/SC1
Rolls-Royce	RR 9000: SABRe (Approval number: 11308)
Spirit Aero Systems (Europe) Limited	Approval number Spirit / 0164
Westland Helicopters	Supplier Code V08121 / G05E
Boeing	15-5 CRES steel sheet/plate, D1-4426
Gulfstream	Gulfstream Aerospace requirements

Certificate of Approval

This is to certify that

**Bohler Bleche
Murrzuschlag**

is an approved supplier

Scope of approval:

- Manufacture of material
- Mechanical testing as per
- Machining of test pieces
- MSRR 9999 Brinell & Vickers
- RPS 705
- RPS 953 - hot working

Approval number: 11308
Issue date: 14th April 2005
Expiry date: n/a

This certificate supersedes all previous
and is subject to the terms on the back

◆ CERTIFICAT ◆ CERTIFICADO ◆ CERTIFICAT

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that



Böhler Bleche GmbH & Co KG
Böhler-Gasse 1, A-8680 Murrzuschlag

has established and applies
a Quality Management System for

Production and sales of sheets, plates and blanks through
rolling and heat treatment of aircraft materials, heat and
corrosion resistant steel as well as Ni-base and Ti-alloys

An audit was performed in compliance with
EN 9104:2006, equivalent to AS/JISQ 9104,
Report No. 70786410

Proof has been furnished that the requirements according to

EN 9100: 2009

Confirmation of Accreditation

The Federal Ministry of Economics, Family and Youth confirms
that

Böhler Bleche GmbH & Co KG

Böhler-Gasse 1, A-8680 Murrzuschlag

Identification number: 319

of Accreditation: May 05, 2010



g Laboratory and fulfills the requirements
/IEC 17025:2007.

accreditation is given in the currently

cal fields are published in the list of
www.bmwfj.gv.at/akkreditierung.

enna, May 06, 2010

[Signature]
-Ing. Günter P. Friers



+43 (0) 711 00 - 8236 | fax: +43 (0) 711 00 93 - 8236 | OVR 0037257
www.bmwfj.gv.at/akkreditierung



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at
the time of the audit, this certificate is granted and awarded by the authority of
the Nadcap Management Council to:

Bohler Bleche GmbH & Co KG

Bohler-Gasse 1
Murrzuschlag, A8680
Austria

This certificate demonstrates conformance and recognition of accreditation for
specific services, as listed in www.auditnet.com on the Qualified Manufacturers
List (QML), to the revision in effect at the time of the audit for:

Heat Treating

This certificate expires on 14 March 2011.
The current expiration date and scope of accreditation are listed at
www.auditnet.com - Online QML (Qualified Manufacturer Listing)
Certified since 14 March 2011

[Signature]
Joseph G. Pinto, Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

Management
AS 9100
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[Signature]

12-03-06

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Gulfstream A GENERAL DYNAMICS COMPANY Approval Of Supplier

Gulfstream Aerospace is pleased to grant its approval to

Bohler Bleche

as a provider of material, parts, and/or services. This approval is given after a sampling of material survey
and examination of the Quality Assurance organization has been accomplished. You are approved to
provide to Gulfstream Aerospace Corporation the various categories of material, parts and/or services as listed
below.

Stainless Steel and Specialty Metal Sheet & Plate

This approval is given subject to your continued compliance with Gulfstream Aerospace Corporation Supplier
Quality Assurance Requirements as defined by contract.

[Signature]
Gulfstream Aerospace Corporation
1000 Peachtree Street, NE
Atlanta, Georgia 30309-4000



In accordance with SAE Aerospace Standard AS7003, to the revision in effect at
the time of the audit, this certificate is granted and awarded by the authority of
the Nadcap Management Council to:

Bohler Bleche GmbH & Co KG

Bohler-Gasse 1
Murrzuschlag, A8680
Austria

This certificate demonstrates conformance and recognition of accreditation for
specific services, as listed in www.auditnet.com on the Qualified Manufacturers
List (QML), to the revision in effect at the time of the audit for:

Materials Testing

This certificate expires on 07 September 2012.
The current expiration date and scope of accreditation are listed at
www.auditnet.com - Online QML (Qualified Manufacturer Listing)
Certified since 07 September 2012

[Signature]
Joseph G. Pinto, Vice President and Chief Operating Officer

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

Bohler Bleche GmbH & Co KG

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Murrzuschlag, A8680
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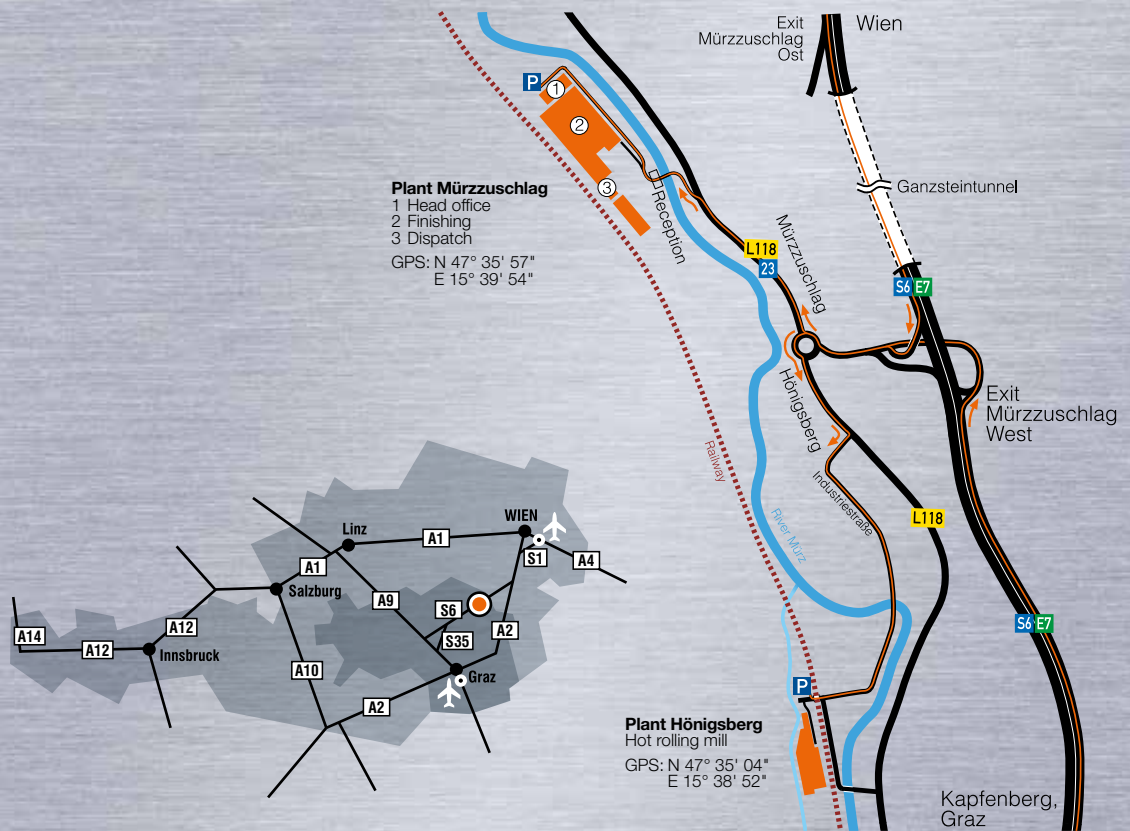
demonstrates conformance and recognition of accreditation for specific services, as
listed in www.auditnet.com on the Qualified Manufacturers List (QML), to the revision in effect at the
time of the audit for:

NonDestructive Testing

07/09/2012
18 April 2014

Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527

[Signature]
Joseph G. Pinto
Vice President and Chief Operating Officer



BÖHLER
BLECHE

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A-8680 Mürzzuschlag
www.boehler-bleche.com

