

EVERYTHING
with tradition

 US  GB

MATERIALS FOR AEROSPACE AND DEFENCE



We supply:

- plates
- sheets
- bars
- blanks
- drawing parts

BIKAR
AEROSPACE

ALUMINIUM

TITANIUM

SUPER ALLOYS

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Sky is not the limit – the metal guide to the galaxy!



EVERYTHING. with tradition.

Since 1962, BIKAR has focused on aluminium, titanium, copper, brass, bronze, steel, super alloys and plastics.

Professional customer service, short delivery times and favourable conditions make BIKAR a long-standing partner to numerous entities within the aerospace, automotive, machine, tooling, moulding and other industries.

Our passion for materials is reflected in the quality of our products.

Heavyweight: 100.000 tonnes storage capacity

With a storage capacity of over **100.000 tonnes**, BIKAR is one of the world's leading suppliers of non-ferrous metals.

True size: Super formats up to 6.000 x 2.500 mm

With more than **65.000** items available, our product variety is truly extensive. We can handle cuttings with dimensions up to 1.100 mm x 2.500 mm x 6.000 mm / 43" x 99" x 236".

Attention to detail: Surface tolerances of less than +/- 0.1 mm / 0.004"

With a production area of more than **120.000 m²**, we can tailor all storage articles according to your individual requirements. In order to manage your processes as efficiently as possible, we employ the latest cutting technology with the tightest tolerances. Less than **0.1 mm / 0.004"** in the thickness* and **0.3 mm / 0.012"** in the length and width**.

Round and round: Rings and blanks up to Ø 2.500 mm / 99"

We cut our blanks out of squares. That's because when it comes to special requirements on surfaces or mechanical properties, conventionally manufactured rods and tubes often reach their limits. In addition to our wide range of round bars and tubes, we can also produce rings and discs up to a diameter of **2.500 mm / 99"**.

Environmental management:

Sustainability management has been firmly anchored within our corporate ethos for many generations. By using our resources as carefully as possible and achieving a recycling rate of almost 100%, we are actively protecting the environment for future generations.



*for flat-milled aluminium plates.

**up to 180 mm / 7" thickness.

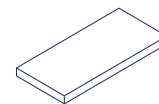


Aluminium sheets, plates and bars for Aerospace and Defence

Alloy 2024 Al Cu Mg2	Temper	Dimensions	Dimensions
Sheets (bare / clad)	T0, T3, T351	0.3mm - 6mm	0.0118 - 0.236"
Plates	T351, T851	6.01mm - 130mm	0.237 - 5.12"
Bars	T3, T3511, T4	Ø 6mm - 300mm	Ø 0.236 - 11.81"
Alloy 2124 Al Cu4 Mg1 (A)			
Plates	T351, T851	12mm - 260mm	0.47 - 10.24"
Alloy 2618A Al Cu2 Mg1,5 Ni			
Plates	T851	8mm - 100mm	0.315 - 3.94"
Bars	T6511, T8511	Ø 40mm - 152.4mm	Ø 1.57 - 6"
Alloy 6061 Al Mg1 Si Cu			
Sheets	T0, T4, T6	0.6mm - 6mm	0.0118 - 0.236"
Plates	T651	6.01mm - 130mm	0.237 - 5.12"
Bars	T4, T651, T6511	Ø 6mm - 300mm	Ø 0.236 - 11.81"
Alloy 7010 Al Zn6 Mg Cu			
Plates	T7451, T7651	15mm - 220mm	0.591 - 8,66"
Bars	T74511	Ø 25.4mm - 145mm	Ø 1 - 5.8"
Alloy 7040 Al Zn5,5 Mg Cu			
Plates	T7451, T7651	76mm - 229mm	3 - 9"
Alloy 7050 Al Zn6 Cu Mg Zr			
Plates	T7451, T7651	15mm - 220mm	0.591 - 8,66"
Bars	T7451	Ø 25,4mm - 101,6mm	Ø 1 - 4"
Alloy 7075 Al Zn5,5 Mg Cu			
Sheets (bare / clad)	T0, T6, T73	0.3mm - 6mm	0.0118 - 0.236"
Plates	T651, T7351	6.35mm - 120mm	0.25 - 4.72"
Bars	T73, T73511	Ø 10mm - 200mm	Ø 0.394 - 7.87"
Alloy 7175 Al Zn5,5 Mg Cu (B)			
Plates	T7351	6.01mm - 100mm	0.236 - 3.94"
Bars	T73, T73511	Ø 10mm - 200mm	Ø 0.118 - 7.87"
Alloy 7475 Al Zn5,5 Mg Cu (A)			
Plates	T7351	10mm - 100mm	0.118 - 3.94"
Plates	T01	101.6mm - 180mm	4 - 7.09"

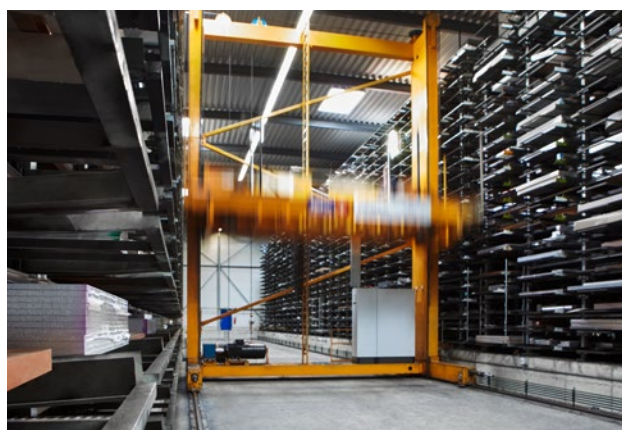
All alloys and dimensions on request according to:

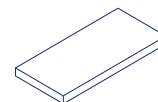
■ AMS ■ LN ■ DAN ■ AIMS ■ ABS ■ AIR ■ WL ■ BS ...and more.



Aircraft Aluminium Plates – Country Specific

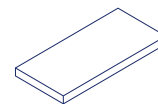
Country	Specification	Alloy	Temper
USA	AMS 4050	7050	T7451
USA	AMS 4202	7475	T7351
USA	AMS QQ-A-250/4	2024	T351, T851
USA	AMS 4026/4027 (rep. AMS-QQ-A-250/11)	6061	T451, T651
USA	AMS 4078 AMS QQ-A-250/12	7075	T651, T7351
USA	AMS QQ-A-250/29, AMS 4101	2124	T851
Germany	3.1354	2024	T351, T851
Germany	3.1924	2618A	T651
Germany	3.3214	6061	T451, T651
Germany	3.4144	7050	T7451
Germany	3.4364	7075	T651, T7351
Germany	3.4384	7475	T7351
Germany	3.4394	7010	T7451, T7651
UK	L93	2014A	T651
UK	L97	2024	T351





Aircraft Aluminium Plates – Company Specific

Airbus				Bombardier	Embraer	Boeing
Specification	ABS Specification (if applicable)	Alloy	Temper	Specification	Specification	Specification
ASN-A-3005/ 3098/3101		7010	T651 T7451 T7651			
ASN-A-3009		7075	T7351			
ASN-A-3011		2024	T351			
ASN-A-3050		7175	T7351			
ASN-A-3355		2618A	T851			
AIMS 03-02-004/020	ABS5032A, B	2024	T351 T351HDT			
AIMS 03-02-008	ABS5064A	7175	T7351			
AIMS 03-02-009	ABS5052A	7475	T7351	BAMS/CMS 516-02	MEP 02-013	
AIMS 03-02-Q11/026	ABS5237A	7150	T651 T7751	BAMS/CMS 516-06 (T7751)		
AIMS 03-02-015/016/028	ABS5117 A, B, C/ ABS5237B	7449	T651 T7951 T7651			
AIMS 03-02-017	ABS5218A	7055	T7751			
AIMS 03-02-019	ABS5324A 01	7040	T7451	BAMS/CMS 516-021		
AIMS 03-02-019	ABS5324A 02	7050	T7451	BAMS/CMS 516-03	MEP 02-014	BMS 7-323 Type 1 and III
AIMS 03-02-021	ABS5502A	2618A	T851			
AIMS 03-02-022	ABS5323A	7010 7050	T7451			
AIMS 03-02-023	ABS5324B	7040	T7651			
AIMS 03-02-024/027	ABS5218C, E	7055	T7951HDT			
AIMS 03-02-025	ABS5236A	7085	T7651			
AIMS 03-02-029	ABS5323B	7010 7050	T7651	BAMS/CMS 516-01 (7050)		
AIMS 03-02-031	ABS5480A	2027	T351			
AIMS 03-02-032	ABS5508A	2124	T851			
AIMS 03-02-033	ABS5117E	7056	T7951			
AIMS 03-02-035	ABS5032C	2024A	T351			

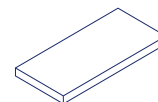


Aircraft Aluminium Sheets – Country Specific

Country	Specification	Alloy	Temper
USA	AMS QQ-A-250/4	2024 Bare	T0, T3
USA	AMS QQ-A-250/5	2024 Alclad	T0, T3
USA	AMS 4025/4026/4027 (rep. AMS-QQ-A-250/11)	6061	T0, T4, T6
USA	AMS QQ-A-250/12	7075 Bare	T0, T6
USA	AMS QQ-A-250/13	7075 Alclad	T0, T6
Germany	3.1254	2014A	T4, T6
Germany	3.1354	2024 Bare	T0, T3
Germany	3.1364	2024 Alclad	T0, T3
Germany	3.3214	6061	T0, T6
Germany	3.4364	7075 Bare	T6
Germany	3.4374	7075 Clad	T0, T6
Germany	3.4377	7475 Clad	T761
UK	BSL163	2014A Clad	T3
UK	BSL164/BSL166	2014A Clad	T0, F, T4
UK	VSL165/BSL167	2014A Clad	T6

Aircraft Aluminium Sheets – Company Specific

Airbus			
Specification	ABS Specification (if applicable)	Alloy	Temper
ASN-A-3001/3046/3047		6061	T0, T4, T6
ASN-A-3010/3045/3362/3373		2024 Bare	T3, T351
ASN-A-3012/3042/3374		2024 Alclad	T3
ASN-A-3043		2618A	T62
ASN-A-3044		5056	T0, H111
ASN-A-3051		7075 Alclad	T6
ASN-A-3397		7475 spf	T0
ASN-A-3399		5083 spf	T0
AIMS 03-04-009/013A/022A	ABS5044A/ABS5043A/ABS5062A	2024 Alclad cmq	T351
AIMS 03-04-010/012A/023A	ABS5044B,C,H,G/ABS5043B, C/ABS5062D,C	2024 Alclad	T0, F
AIMS 03-04-011A/014/031A	ABS5043D/ABS5044D/ABS5062B	2024 Alclad	T3
AIMS 03-04-016A		5083 spf	T0, F

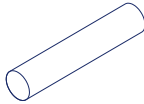


Aircraft Aluminium Sheets – Company Specific

Airbus			
Specification	ABS Specification (if applicable)	Alloy	Temper
AIMS 03-04-019A	ABS5128A	7475 spf	T4
AIMS 03-04-027A	ABS5126A	6056	T4
AIMS 03-04-029A	ABS5077A	7475 Alclad cmq	T761
AIMS 03-04-030A	ABS5077D	7475 Alclad	T0
AIMS 03-04-034A	ABS5603A	6013/6056 Alclad cmq	T4
AIMS 03-04-036	ABS5501	2618 Alclad	H28
AIMS 03-04-038	ABS5646A	2024 Bare	T3
AIMS 03-04-040A	ABS5603	6013/6156	T4
AIMS 03-04-041A	ABS5415	2219 cmq	T31
AIMS 03-04-042	ABS5452A, B	6061	T0, T4
AIMS 03-04-045	ABS5687	7475	T761
AIMS 03-04-047	ABS5507	5086	H111

We offer billet preparation and first stage machining.





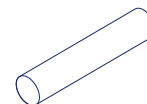
Aircraft Aluminium Bars

Type / Form	Alloy	Temper	British Standard	US Federal	US Standard	AIMS / ABS
Round and Flat Bar	2014A	T6511	L168			
Round and Flat Bar	2024	T351		AMS-QQ-A-225/6	AMS 4120	
Round and Flat Bar	2024	T3511		AMS-QQ-A-200/3		
Flat Bar	2026/2027	T3511				AIMS-03-05-18
Round and Flat Bar	6061	T6511		AMS-QQ-A-200/8		
Round and Flat Bar	6061	T651		AMS-QQ-A-225/8	AMS 4117	
Round and Flat Bar	6082	T6511	L111			
Round and Flat Bar	7075	T6511		AMS-QQ-A-200/11	AMS 4167	
Round and Flat Bar	7075	T651/T7351		AMS-QQ-A-225/9	AMS 4124	
Round and Flat Bar	7050	T74511			AMS 4342	ABS-5239A
Round and Flat Bar	7175	T73511			AMS 4344	

Aircraft Steel Plate and Sheet

Type / Form	British Standard	US Standard	Germany DIN	Similar Specification
Stainless sheet	S527	5512	1.4546	Type 347
Stainless sheet		5510		Type 321
Stainless sheet		5513		Type 304
Stainless sheet		5517		Type 301 1/4 Hard
Stainless sheet		5518		Type 301 1/2 Hard
Stainless sheet		5519		Type 301 Fully Hard
Stainless sheet		5528		17-7 PH
Stainless plate		5604		17-4 PH
Stainless plate		5862		15-5 PH





Aircraft Steel Bar

Type / Form	British Standard	US Standard AMS	Germany DIN	Grade	Similar Specification
Alloy Round and Flat		6414		4340 VAR	MIL-S-8844
Alloy Round and Flat		6415		4340AIRMELT	MIL-S-5000
Stainless Round and Flat		5646	1.4546	347	EN3487/QQS-763
Stainless Round and Flat	S80	5628	1.4044		
Stainless Round and Flat	S130		1.4550		
Stainless Round and Flat		5629	1.4534	13-8PH	
Stainless Round and Flat		5659	1.4545	15-5PH	ABS-5750
Stainless Round and Flat		5643/5622	1.4542	17-4PH	

Aircraft – Other Metals

Yellow Metal			
Type and Form	British Standard	US Standard	Related / Similar Specification

Aluminium Bronze

Round and Flat Bars	BS:B23 (DTD197A)	CA104
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Nickel Aluminium

Bronze Round and Flat Bars	AMS 4640	CA105
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Titanium Products						
Type	British Standard	US Standard AMS	Germany DIN	ABS	CODE	AIMS Reference
Grade 5 6AL-4V						
Sheet	TA10-13	AMS 4911	3.7164	5326	A	03-18-003
				5326	C	03-18-004
Plate	2 TA56	AMS4911	3.7164	5125	A	03-18-001
		AMS-T-9046 ABI		5125	B	03-18-006
		MIL-T-9046 ABI		5125	C	03-18-007
Bar	3TA11	AMS 4928, 65, 67	3.7146	5453	A	03-18-010
		AMS6931				
		AMS-T-9047				
		MIL-T-9047G				

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Certified quality for Aerospace and Defence

BIKAR – Your partner for semi-fabricated products

- Short delivery times through extensive stocks of plates, sheets and bars
- One of the world's largest cutting centres for non-ferrous metals offering cut-to-size and just-in-time delivery
- More than 18 branches around the world
- CNC machining centres offering billet preparation and first stage machining
- Professional technical consultation and support by qualified employees

Certified – for your safety!

We are long term holders of both EN ISO 9001 and EN ISO 14001.

In recent years we have also been certified to EN 9100 and EN 9120 by the independent and renowned DEKRA testing organisation.



Bad Berleburg, Germany



Korbußen, Germany



Bristol, United Kingdom



Belagavi, India

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