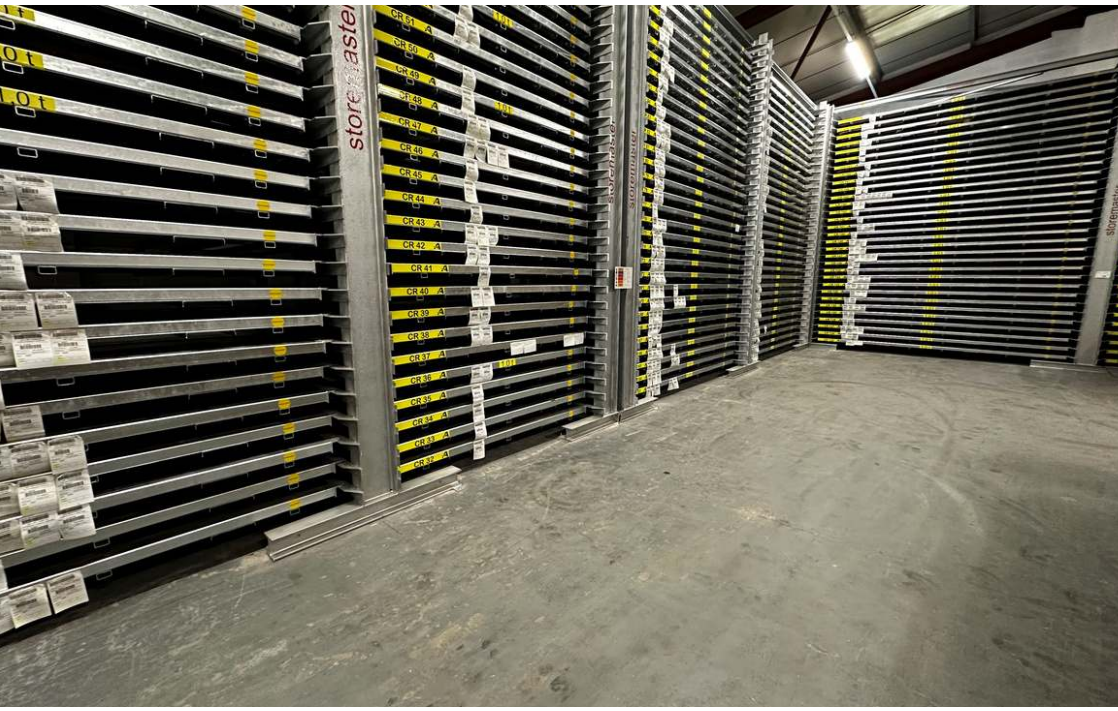
AEROSPACE MRO CATALOGUE



AEROCOM METALS LIMITED







AEROSPACE MRO

YOUR RELIABLE SUPPLIER FOR AEROSPACE SHEET AND EXTRUSION STOCKS

40+ ALLOYS

350+ SPECIFICATION AND THICKNESSES

Aerocom Metals maintains extensive stocks of aerospace-grade aluminium sheet specifically tailored for the MRO sector. Our inventory supports rapid repair, overhaul, and modification requirements, helping operators minimise downtime without compromising on quality or compliance. With full traceability, certified material, and reliable availability across key alloys and tempers, Aerocom Metals is a trusted supply partner for efficient, on-demand MRO operations.

AIRBUS Aluminium Sheets

AIRBUS SPECIFICATION	ABS SPECIFICATION
ASN-A-3001/3046/3047	
ASN-A-3010/3045/3362/3373	
ASN-A-3012/3042/3374	
ASN-A-3043	
ASN-A-3044	
ASN-A-3051	
ASN-A-3397	
ASN-A-3399	
AIMS 03-04-009/013A/022A	ABS5044A/ABS5043A/ABS5062A
AIMS 03-04-010/012A/023A	ABS5044B, C, H, G/ABS5043B, C/ABS5062D, C
AIMS 03-04-011A/014/031A	ABS5043D/ABS5044D/ABS5062B
AIMS 03-04-016A	
AIMS 03-04-019A	ABS5128A
AIMS 03-04-027A	ABS5126A
AIMS 03-04-029A	ABS5077A
AIMS 03-04-030A	ABS5077D
AIMS 03-04-034A	ABS5603A
AIMS 03-04-036	ABS5501
AIMS 03-04-038	ABS5646A
AIMS 03-04-040A	ABS5603
AIMS 03-04-041A	ABS5415
AIMS 03-04-042	ABS5452A, B
AIMS 03-04-045	ABS5687
AIMS 03-04-047	ABS5507

ASN AIMS

ALLOY	TEMPER
6061	T0, T4, T6
2024 BARE	T3, T351
2024 CLAD	T3
2618A	T62
5056	T0, H111
7075 CLAD	T6
7475	T0
5083	T0
2024 CLAD	T351
2024 CLAD	T0, F
2024 CLAD	T3
5083	T0, F
7475	T4
6056	T4
7475 CLAD	T761
7475 CLAD	T0
6013/6056 CLAD	T4
2618 CLAD	H28
2024 BARE	T3
6013/6156	T4
2219	T31
6061	T0, T4
7475	T761
5086	H111

Aerospace Aluminium Imperial Thicknesses

Specification Thickness	1100 H14	2024 T3 BARE	2024 T3 CLAD	2024 O CLAD
0.012"			⭐	
0.016"		⭐	⭐	
0.020"	⭐	⭐	⭐	⭐
0.025"		⭐	⭐	⭐
0.032"	⭐	⭐	⭐	⭐
0.036"		⭐	⭐	
0.040"	⭐	⭐	⭐	⭐
0.045"		⭐	⭐	
0.050"	⭐	⭐	⭐	⭐
0.056"		⭐	⭐	
0.063"	⭐	⭐	⭐	⭐
0.071"		⭐	⭐	⭐
0.080"	⭐	⭐	⭐	⭐
0.090"		⭐	⭐	
0.100"		⭐	⭐	
0.125"		⭐	⭐	
0.140"			⭐	
0.150"			⭐	
0.160"		⭐	⭐	
0.180"			⭐	
0.190"			⭐	





2219 O BARE	2219 O CLAD	2219 T31 CLAD	3003 H14
			⭐
			⭐
	⭐		⭐
	⭐	⭐	⭐
⭐	⭐	⭐	⭐
⭐	⭐		⭐
⭐	⭐		
⭐	⭐		⭐
⭐	⭐		⭐
⭐	⭐		⭐
⭐	⭐		⭐





Aerospace Aluminium Imperial Thicknesses

Specification Thickness	4047 F	5052 H32	6061 O	6061 T4	6061 T6
0.012"					
0.016"					⭐
0.020"	⭐	⭐			⭐
0.025"		⭐	⭐	⭐	⭐
0.032"	⭐ 0.030"	⭐	⭐	⭐	⭐
0.036"					⭐
0.040"	⭐	⭐	⭐	⭐	⭐
0.045"					
0.050"		⭐	⭐	⭐	⭐
0.056"					
0.063"	⭐ 0.060"	⭐	⭐	⭐	⭐
0.071"					
0.080"	⭐	⭐	⭐	⭐	⭐
0.090"		⭐	⭐	⭐	⭐
0.100"		⭐	⭐	⭐	⭐
0.125"		⭐	⭐	⭐	⭐
0.140"					
0.150"					
0.160"			⭐	⭐	⭐
0.180"					
0.190"		⭐	⭐	⭐	⭐





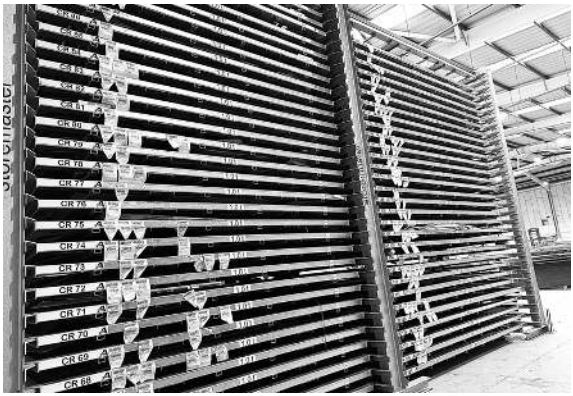
7055 O BARE	7075 O BARE	7075 O CLAD	7075 T6 BARE	7075 T6 CLAD
			⭐	⭐
		⭐	⭐	⭐
		⭐	⭐	⭐
	⭐	⭐	⭐	⭐
	⭐	⭐	⭐	⭐
⭐	⭐	⭐	⭐	⭐
	⭐	⭐	⭐	⭐
⭐	⭐	⭐	⭐	⭐
	⭐	⭐	⭐	⭐
⭐	⭐	⭐	⭐	⭐
	⭐	⭐	⭐	
	⭐	⭐	⭐	⭐
			⭐	⭐
			⭐	⭐
			⭐	⭐
			⭐	⭐
			⭐	⭐





Aerospace Aluminium Metric Thicknesses

Specification Thickness	BS L164 T4	BS L165 T6	BS L166 T4	BS L167 T6
0.45mm			★	
0.50mm	★	★	★	★
0.60mm		★		★
0.71mm			★	
0.80mm		★		★
0.81mm	★		★	
0.91mm			★	★
1.00mm		★	★	★
1.20mm	★	★	★	★
1.22mm	★		★	
1.60mm	★	★	★	★
1.80mm		★		★
2.00mm		★		★
2.03mm	★		★	★
2.64mm				★
2.79mm		★		★





Aerospace Alloy - Nickel - Titanium Imperial Thicknesses

Specification Thickness	BS S515	4130 Annealed	4130 Normalised
0.025"		⭐	⭐
0.032"		⭐	⭐
0.040"		⭐	⭐
0.050"	⭐	⭐	⭐
0.063"	⭐	⭐	⭐
0.071"		⭐	⭐
0.080"	⭐	⭐	⭐
0.090"		⭐	⭐
0.100"		⭐	⭐
0.125"	⭐	⭐	⭐
0.160"	⭐	⭐	⭐
0.190"	⭐	⭐	⭐

Specification Thickness	625
0.020"	⭐
0.040"	⭐
0.080"	⭐
0.125"	⭐

Specification Thickness	CP 1 Grade 4	CP 3 Grade 2
0.016"	⭐	⭐
0.020"	⭐	⭐
0.025"	⭐	⭐
0.032"	⭐	⭐
0.040"	⭐	⭐
0.050"	⭐	⭐
0.063"	⭐	⭐

Aerospace Stainless Imperial Thicknesses

Specification Thickness	15-5	17-4	17-7	301 Quarter Hard	301 Half Hard
0.010"				⭐	
0.016"				⭐	⭐
0.020"				⭐	⭐
0.025"			⭐	⭐	⭐
0.032"	⭐	⭐	⭐	⭐	⭐
0.035"					⭐
0.040"	⭐	⭐	⭐	⭐	⭐
0.045"					
0.050"	⭐	⭐	⭐	⭐	⭐
0.056"					
0.063"	⭐	⭐	⭐	⭐	⭐
0.071"					
0.080"	⭐	⭐	⭐	⭐	⭐
0.090"		⭐	⭐	⭐	⭐
0.100"	⭐	⭐	⭐	⭐	⭐
0.105"			⭐		
0.125"	⭐		⭐	⭐	⭐
0.190"		⭐			



301 Full Hard	302 Annealed	304 Annealed	321 Annealed	347 Annealed
⭐	⭐	⭐	⭐	
⭐	⭐	⭐	⭐	
⭐	⭐	⭐	⭐	
⭐	⭐	⭐	⭐	⭐
	⭐	⭐		
⭐	⭐	⭐	⭐	
⭐	⭐	⭐	⭐	⭐
⭐	⭐	⭐	⭐	
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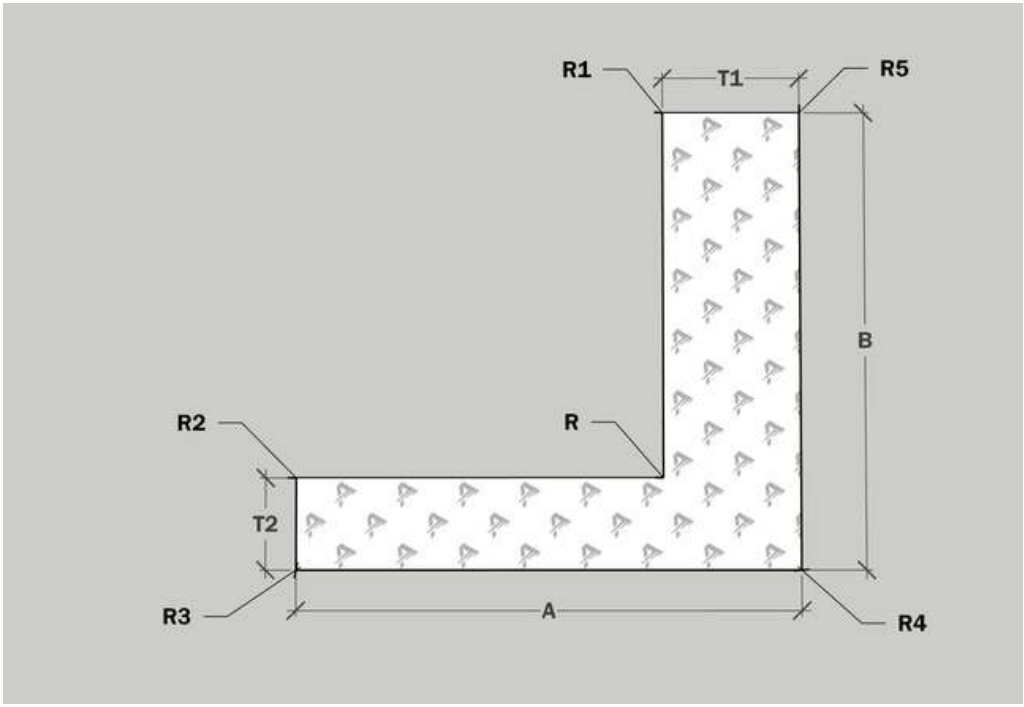
	⭐	⭐		




R1
T1
R5
B
R2
R
T2
R3
A
R4


AEROCOM


AEROCOM

80,000 EXTRUSION PROFILES

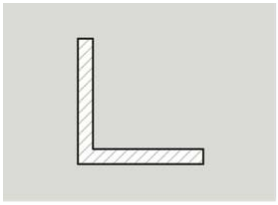
AVAILABLE TO VIEW ON OUR ONLINE CATALOGUE

At Aerocom Metals, we specialise in high-performance aerospace aluminium extrusions engineered to meet the exacting demands of the aviation and aerospace industries. From commercial aircraft to defence applications and space exploration, our extrusions provide the strength, durability, and weight savings essential for modern aerospace design.

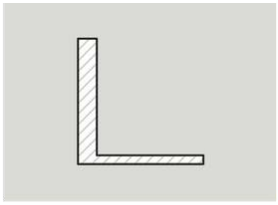
We work with a wide range of aluminium alloys such as 2024, 6061, 7075, and others specifically suited for aerospace applications, each selected for optimal strength, corrosion resistance, and workability. Our aerospace-grade extrusions comply with major international standards, including ASTM, AMS, and MIL specifications, along with OEM standards.

EXTRUSION PROFILES

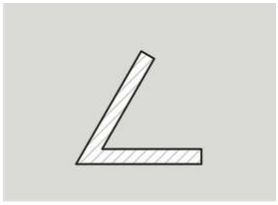
We stock 35 aluminium extrusion profile types for aerospace build and repair. Every profile has a dimensioned drawing and a full parts table on our website, searchable by dimension in inches or millimetres.



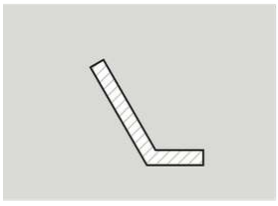
Angle – equal thickness



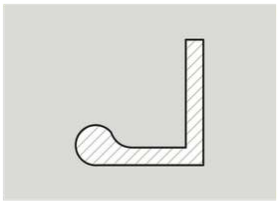
Angle – unequal thickness



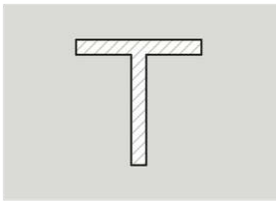
Acute angle



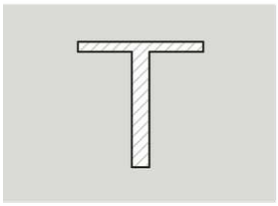
Obtuse angle



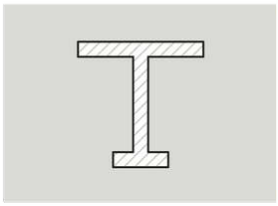
Bulb angle



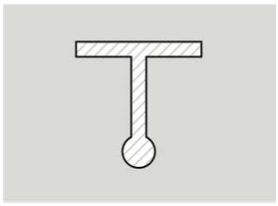
Tee – equal thickness



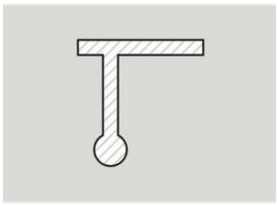
Tee – unequal thickness



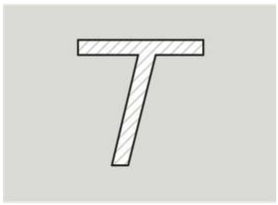
Tee – flanged



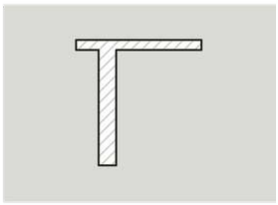
Tee – bulb



Tee – offset bulb



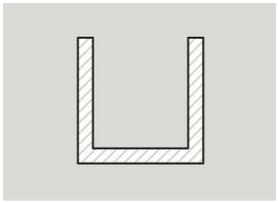
Tee offset – angled



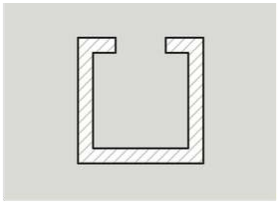
Tee offset – unequal

CHANNELS TO HINGES

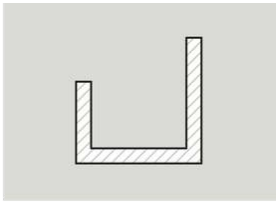
Channels, zees, H-beams, hinges and bar, plus formed sections roll-formed from sheet. Find the exact part online at aerocommetals.co.uk/extrusions.



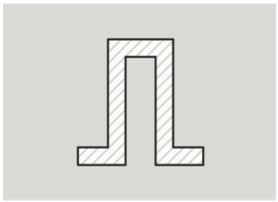
Channel – equal thickness



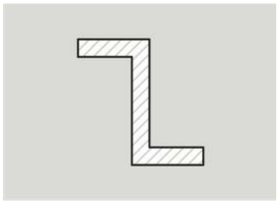
Channel – flanged



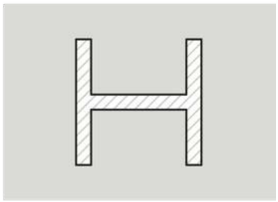
Channel – unequal legs



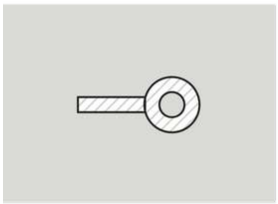
Hat channel (extruded)



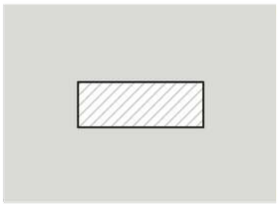
Zee



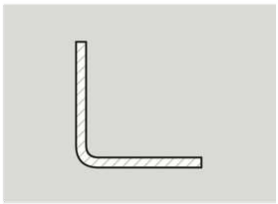
H-beam



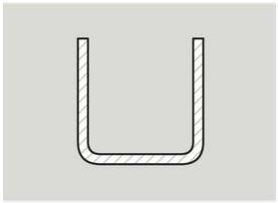
Hinge



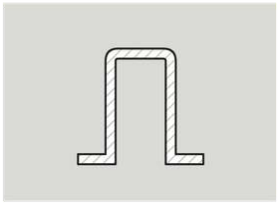
Bar



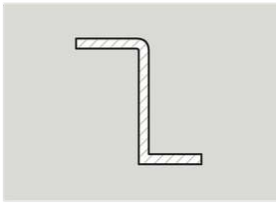
Formed angle



Formed channel



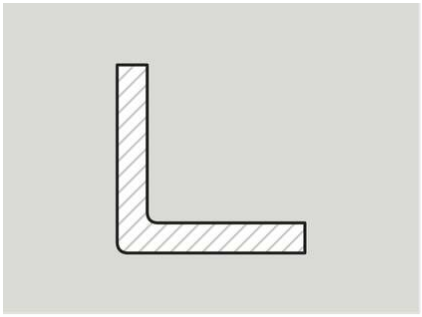
Formed hat



Formed Z-section

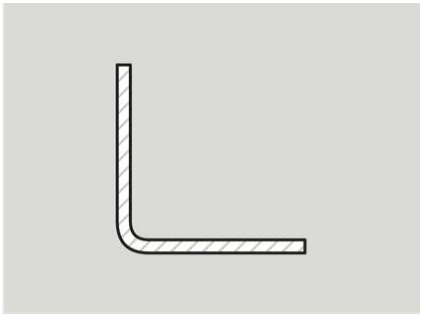
EXTRUDED OR FORMED?

Our catalogue covers two kinds of profile. Knowing which one your drawing calls for makes every quote quicker.



EXTRUDED

Pushed through a die: wall thickness can vary, with sharp corners, bulbs and fillets.



FORMED

Bent from sheet: constant wall thickness with a bend radius at every corner.

Choose extruded when the drawing shows varying wall thickness, bulbs, sharp internal corners or fillets. These are typical of stringers, tees and structural angles.

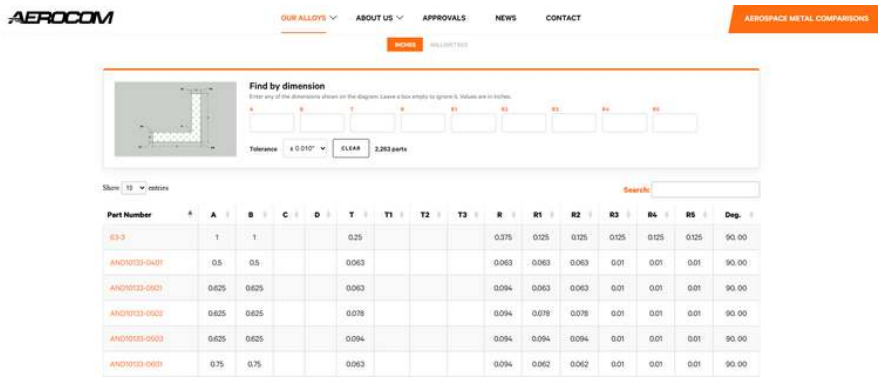
Choose formed when the part is bent from sheet with a constant wall thickness and a bend radius at every corner. These are typical of brackets, channels and hat sections.

Not sure which you need? Send us the drawing or part number and our sales team will match it to stock.

FIND IT ONLINE

Every profile in our catalogue is on our website with a dimensioned drawing and a full parts table. Finding the right part takes three steps.

1. Choose the profile family: angle, tee, channel, zee, bar, hinge or formed section.
2. Enter any dimension from your drawing in inches or millimetres. Leave a box empty to ignore it, and set a tolerance if you need one.
3. Note the part number and send it to sales@aerocommetals.co.uk for availability, lead time and price.



Scan to open the extrusion catalogue: aerocommetals.co.uk/extrusions

ALLOYS & STANDARDS

Our extrusions are aerospace-grade aluminium alloys, each selected for strength, corrosion resistance and workability.

ALLOYS

2024, 6061, 7075 and BS L168, held as both extruded and formed sections.

SPECIFICATIONS

Supplied to ASTM, AMS and MIL specifications, along with OEM standards. Tell us the specification on your drawing and we will confirm the matching stock.

CERTIFICATION

Every order ships with full certification and traceability, under our AS9120B and ISO 9001:2015 approvals.



STOCK & SERVICE

350+ specification and alloy combinations held in stock at our Coventry warehouse, ready to cut and ship.

CUT TO LENGTH

Bars and Plate are cut to your length in-house, saving waste and machining time.

EXPORT READY

ISPM 15 export packing, with regular shipments to more than 40 countries.

ONE SUPPLIER

Extrusions, sheet, tube and bar on one order, with one set of paperwork.






AEROCOM
METALS LIMITED
AEROCOM
METALS LIMITED
Nickel Alloy
Titanium



NOT JUST SHEET AND EXTRUSION

Since 2008, Aerocom Metals has built on a rich history of tubular sales to the automotive industry in high strength steel products like American standard 4130 and British standard T45. 18 years later, Aerocom Metals now holds an extensive range of **aerospace** round, rectangular, square and custom shaped tubes in **nickel alloy, titanium, corrosion resistant stainless, aluminium and alloyed steel.**

Stocks are held in our UK warehouse with a typical size range starting at 0.125" (3.18mm) outside diameter and rising to 4.500" (114.3mm). Wall thicknesses typically start at 0.016" (0.41mm) and can be as large as 0.250" (6.35mm).



Stocked alloys include:

Aluminium *- 2024, 5052, 6061, 7075*
Nickel Alloy *- 625*
CRES *- 21-6-9, 304, 316, 321, 347, T68, T72*
Titanium *- 3AL2.5V*
Alloy Steel *- 4130, T45, 15CDV6*

Typical Standards - AMS, WWT, MIL, BS and OEM

Certificate of Registration

This is to certify that the Quality Management System of:

Aerocom Metals Ltd

Unit 4, Telford Road, Exhall, Coventry, Warwickshire, CV7 9ES, United Kingdom

(Central function listed above. See appendix for additional locations)

applicable to:

Sourcing and stockholding of Metallic / Non Metallic raw materials such as bar, sheet, tube and plate for the aerospace, defence, motor sport and general engineering industries

has been assessed and registered by NQA against the provisions of:

AS9120B & BS EN ISO 9001:2015

and in accordance with the requirements of EN 9104-001:2013.

This registration is subject to the company maintaining a quality management system, to the above standard, which will be monitored by NQA.

Managing Director

Certificate No:	50895
ISO Approval Date:	17 September 2012
ASCS Approval Date:	17 September 2012
Issue Date:	18 September 2024
Expiry Date:	17 September 2027
EAC Code:	21, 29
Site Structure:	Campus

The use of the UKAS Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 015 held by NQA. NQA is a trading name of NQA Certification Limited, Registration No. 09351758. Registered Office: Warwick House, Houghton Hall Park, Houghton Regis, Dunstable Bedfordshire LU5 5ZX, United Kingdom.

QUALITY YOU CAN TRUST

As a company that supplies critical aerospace metallics, Aerocom Metals is committed to ensuring its processes and business management systems are fully certified and comply with international standards.

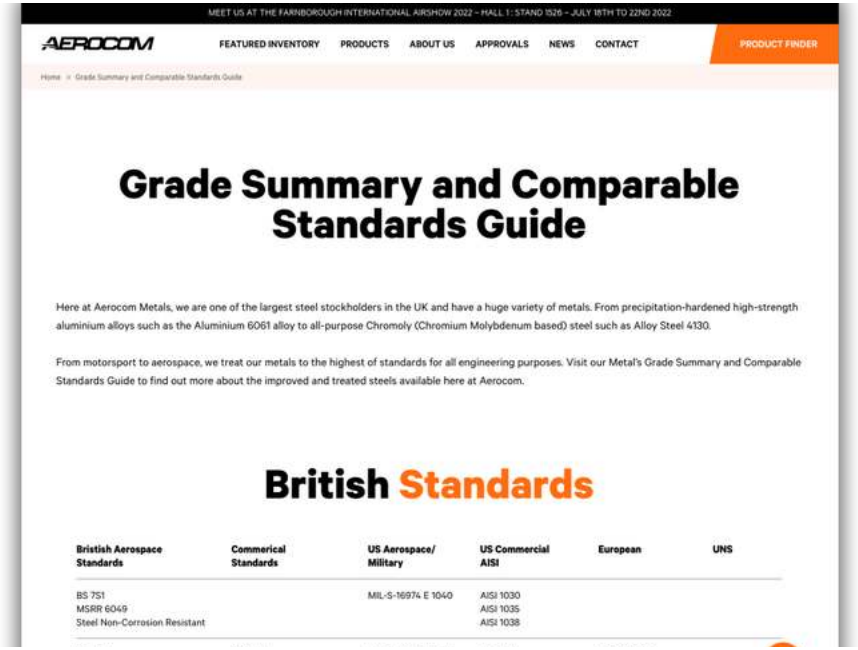


QUALITY APPROVALS

- AS9120B
- LEONARDO
- UTC
- GE POWER
- SAFRAN
- AIRBUS HELICOPTERS
- BOEING
- PILATUS AICRAFT
- METTIS AEROSPACE
- COLLINS AEROSPACE
- HS Kalisz Sp. z.o.o
- GOODRICH ACTUATION SYSTEMS

Aerocom Metals has exported to over 40 countries which accounts for a high percentage of our annual turnover. We understand the protocols required when it comes to export, from country restrictions, to non-recyclable plastic packaging waste, container loading, to ISMP 15 packing.

Trade shows have always been a great way to meet old friends and new acquaintances. Check out our website for our latest show involvements.



Our website has some great toolbox resources to calculate metal weights, but also has a comprehensive comparison guide for many alloys showing their comparable grade from varying country locations.



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