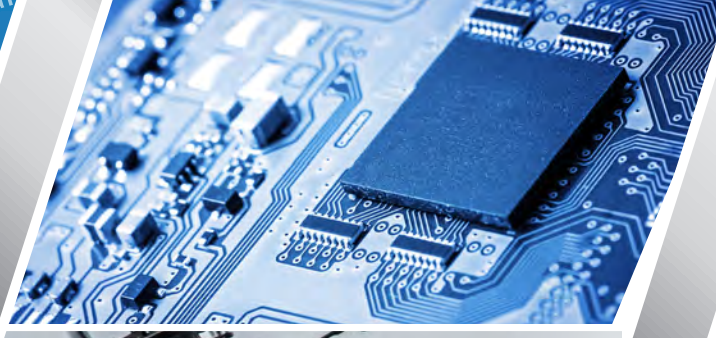


Titanium • Aluminium • Stainless Steels
Alloys • Nickel Alloys • Expansion Alloys
Aluminium • Cobalt Alloys • Titanium • Aluminium
Alloys • Stainless Steels • Cobalt Alloys
Aluminium • Stainless Steels



Aircraft Materials Your single-source metal specialists

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Alloys • Nickel Alloys • Titanium • Aluminium
High Temperature Alloys • Titanium • Aluminium
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Temperature Alloys • Expansion
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Titanium • Aluminium • Expansion Alloys • Hig
Alloys • Stainless Steels • Titanium • Aluminium
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Established for over 18 years, Aircraft Materials UK are a leading independent UK stockist and distributor. Certified to the AS 9120 aerospace approval, we specialise in "difficult-to-find" grades and alloys.

At our purpose-built facility, we carry an extensive range of stock in a huge variety of specialty grades and alloys in many different forms and sizes, all ready for same day dispatch.

We are passionate about the specialty metal industry and we pride ourselves on following the three tenets of our business:



- Complete service from start to finish
- Specialist in super-urgent requirements, such as AOG or MRO
- Experts in global logistics your metal always arrives on time
- Same-day shipping, even on cut sheet and bar
- No minimum order quantity- don't waste money, storage and shipping on metal you don't need



- Accredited to AS / EN 9120 aerospace standard.
- Highly experienced quality management team with dedicated quality manager
- Numerous third party aerospace approvals
- Expert packing to ensure all order arrive in perfect condition



- Over 150 years of combined experience in the specialty metals industry
- Real, practical knowledge of the metals and specification that we sell
- We don't simply sell "off a screen" – we understand the metals

Aluminium Alloys

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
1350					EN AW AL 99.5	
2014A-T4	BS L102	BS L156			EN 2100; EN 2071; 3.1254	
2014A-T6	BS L168	BL L157; L159		AMS 4029	EN 2071; EN 2089	
2014A-T3 Clad		BS L163			EN 2071	
2014A-T4 Clad		BS L164; L166			EN 2088; EN 2087	
2014A-T6 Clad		BS L165; L167			EN 2087	
2024- O Bare				AMS-QQ-A-250/4; AMS 4035	3.1354	
2024-O Clad				AMS-QQ-A-250/5; AMS 4461	3.1364; EN 2703	
2024-T3 Bare		BS L97		AMS-QQ-A-250/4; AMS 4037	3.1354	
2024-T3 Clad				AMS-QQ-A-250/5; AMS 4462	3.1364	
2024-T351			AMS-QQ-A-225/6; AMS 4120			
2024-T3511			AMS-QQ-A-200/3; AMS 4165			
2024-T851			AMS-QQ-A-225/6; AMS 4339			
2618A	DTD-5014A / MSRR 8018	DTD 5070				
4047 Brazing			AMS 4185			
6082-T6	BS L111	BS L115; L113			EN 2326	
6061-O				AMS-QQ-A-250/11; AMS 4025	3.3214	
6061-T4				AMS-QQ-A-250/11; AMS 4026	3.3124	
6061-T6				AMS-QQ-A-250/11; AMS 4027	3.3214	
6061-T651			AMS-QQ-A-225/8; AMS 4117			
6061-T6511			AMS-QQ-A-200/8; AMS 4173			
7050-T74511			AMS 4342	AMS 4050	3.4144	
7075-O Bare				AMS-QQ-A-250/12; AMS 4044	3.4364	
7075-O Clad				AMS-QQ-A-250/13; AMS 4048	3.4374	
7075-T6 Bare				AMS-QQ-A-250/12; AMS 4045	3.4364	
7075-T6 Clad		BS L88		AMS-QQ-A-250/13; AMS 4049	EN 2092; 3.4374	
7075-T651		BS L95	AMS-QQ-A-225/9; AMS 4123		3.4364	
7075-T6511	BS L170; DTD-5124		AMS-QQ-A-200/11; AMS 4169		3.4374	
7075-T7351			AMS-QQ-A-225/9; AMS 4124		3.4364	
7075-T73511	BS L160		AMS-QQ-A-200/11; AMS 4167		EN 2127	

Titanium & Other Grades

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
Titanium						
6Al-4V	BS TA11; BS TA28	TA10	AMS 4928; AMS-T-9047	AMS 4911; AMS-T-9046 AB1	ASTM F136 Implant	
Grade 1	BS TA1; DTD 5013			AMS 4940; AMS-T-9046 CP4	AIR 9182 T35	R50250
Grade 2	BS TA2			AMS 4902; AMS-T-9046 CP3	AIR 9182 T40	R50400
Grade 3				AMS 4900; AMS-T-9046 CP2	AIR 9182 T50	
Grade 4	BS TA6			AMS 4901; AMS-T-9046 CP1	AIR 9182 T60	
6Al-7Nb				ISO 5832-11; ASTM F1295		
Magnesium						
AZ31B			ASTM B107			
AZ61A			AMS 4350	AMS 4377; AMS-QQ-A-44B		

Stainless Steels

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
301 Annealed				AMS 5901	1.4324; Z21CN17-08	S30100
301 1/4 Hard				AMS 5517	1.4324; Z21CN17-08	S30100
301 1/2 Hard				AMS 5518	1.4324; Z21CN17-08	S30100
301 Full Hard				AMS 5519	1.4324; Z21CN17-08	S30100
302/304/304L				AMS 5511; AMS 5513; AMS 5516	S30400 / S30403	S30200
321		BS S526	AMS 5645	AMS 5510	Z10CnNb18-11	S32100
347	BS S130	BS S527	AMS 5646	AMS 5512	Z6CnNb18-11	S34700
416			AMS 5610 Ty2			S41600
420 / 420F			AMS 5621; AMS 5620			S42000
422			AMS 5655		ASTM A565 Grd 616	S42200
430			AMS 5627			S43000
431	BS S80		AMS 5628		ASTM A276 / A484	S43100
440A / F			AMS 5631; AMS 5632 Ty2			S44002
440C			AMS 5630; AMS 5618 (Vac Melt)			S44004
446			AMS-QQ-S-763			S44600
17-4PH			AMS 5643; AMS 5622	AMS 5604	1.4542	S17400
17-7PH			AMS 5644	AMS 5528; AMS 5529	ASTM A-564 631	S17700
15-5PH			AMS 5659	AMS 5862	ASTM -A-564 XM12	S15500
13-8Mo			AMS 5629		ASTM A564 XM13	S13800
Jethete M152	BS S151; S159; MSRR 6503	MSRR 6504	AMS 5719		1.4933; 1.4938/9	S64152

Aerospace Steels

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
S143/S144/S145	BS S143; S144; S145				FV520	
S92	BS S92					
S98 / S99	BS S98; S99				826M40	
S154	BS S154					
S82	BS S82					
4130			AMS 6346 ; AMS 6370	AMS 6345; AMS 6348; AMS 6350		G41300
4140			AMS 6349; AMS 6382 ; AMS 6529			G41400
4340			AMS 6409; AMS 6414/5; AMS 6484	AMS 6359		G43406
4330			AMS 6411 ; AMS 6427		BMS-7-122; BMS-7-27	K23080
52100			AMS 6440 ; AMS 6444			G52986
9310			AMS 6260 ; AMS 6265 ; AMS 6267			G93106
D-6AC			AMS 6431			K24728
HY-TUF			AMS 6418 ; AMS 6425		DMS-1841 Grd A	K32550
Nitriding 135			AMS 6471 ; AMS 6470 ; AMS 6472			K24065
300M			AMS 6257 ; AMS 6417 ; AMS 6419		BMS-7-26 Cl1 ;DMS-1935	K44220
Aermet 100			AMS 6532		MMS-217	K92580

Special Steels

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
A286	BS HR51; BS HR52		AMS 5731; AMS 5732; AMS 5737	AMS 5525 / AMS 5858	1.4944	S66286
AM-355			AMS 5743	AMS 5547		S35500
Greek Ascology			AMS 5616	AMS 5508		S41800
Custom 455			AMS 5617		ASTM A564 XM16	S45500
Custom 465			AMS 5936			S46500
Maraging 250	BS S162		AMS 6512			K92890
Maraging 300			AMS 6514			K93120
Maraging 350			AMS 6515			K93540
Nitronic 40			AMS 5656	AMS 5595	ASTM A276 21-6-9	S21906
Nitronic 50			AMS 5764		ASTM A476 XM-19	S20910
Nitronic 60			AMS 5848		ASTM A193 B85	S21800

Nickel, Cobalt & High Temperature Alloys

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
Alloy 600	NA14		AMS 5665	AMS 5540	2.4816	N06600
Alloy 625	NA21		AMS 5666	AMS 5599	2.4856	N06625
Alloy 718			AMS 5662; AMS 5663; AMS 5664	AMS 5596	2.4668	N07718
Alloy X			AMS 5754	AMS 5536	2.4665	N06002
Alloy X750			AMS 5667	AMS 5542; AMS 5598	2.4669	N07750
Alloy 25/ L605			AMS 5759	AMS 5537	2.4964	R30605
Alloy 188			AMS 5772	AMS 5608	2.4683	R30188
Alloy 230			AMS 5891	AMS 5878	2.4733	N06230
Waspaloy			AMS 5706; 5607; 5608; 5609	AMS 5544		N07001
Nimonic 75	HR5; HR504	HR203; MSRR 7104			2.4951	N06075
Nimonic 80A	HR1; HR601; NA20	HR201			2.4952	N07080
Nimonic 90	HR2; HR501	HR202; MSRR 7087			2.4632	N07090
Nimonic 263	HR10	HR206; MSRR 7036	AMS 5886	AMS 5872	2.4560	N07263
MP159			AMS 5842 (Cap AMS 5643)			R30159
MP35N			AMS 5844 (Cap. AMS 5845)			R30035
Stellite 6b			AMS 5894			R03006
Rene 41			AMS 5712 (Cap AMS 5713)	AMS 5545	2.4973	N07041

Electronic Alloys

Alloy	British Specifications		U.S. Specifications		Others	UNS
	Bar	Sheet	Bar	Sheet		
Invar / Nilo 36			ASTM F-1684	AMS-I-23011 CI 7	1.3912	K93603
Kovar / Nilo K			ASTM F-15	AMS-I-23011 CI 1	1.3981	K94610
Nilo Alloy 42			ASTM F-30	AMS-I-23011 CI 5		K94100
Alloy 4750			AMS 7118; MIL-N-14411 C3			K95000
Hy-Mu 80			ASTM A-753 Alloy 4	MIL-N-14411 Comp 1		N14080

All other forms available: coil, foil, tube, wire, welding wire.

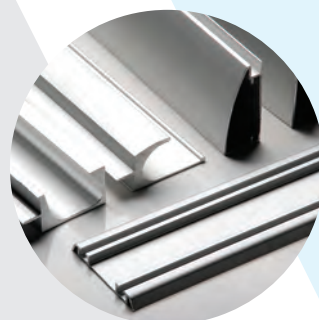
Other alloys available on request – if you don't see the grade you need here, just ask.

Custom Extrusions – we can also supply custom aluminium extrusions, produced to commercial and aerospace specifications, to customer drawing, as well as standard extrusions to all major manufacturers' part numbers.

Our Services

In addition to our range of alloys in all their different product forms, we also offer the following services:

- In-house Cutting ▶ Sheet cutting up to 3.0mtrs / 10ft in length, bar cutting up to 250mm / 10" diameter.
- Heat Treatment ▶ Heat treatment – fully approved and certified sub-contract heat treatment. All standard and proprietary specifications are covered.
- Subcontract Machining ▶ Subcontract machining – centreless grinding, gun-drilling, honing, deep-hole drilling.
- Cutting Services ▶ Cutting services- round bar to flat bar conversion, billeting, profiling and sectioning.



Aircraft Materials

Your single-source metal specialists



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