

future metals



**MRO**  
Distribution Services

Aerospace Metals | Cabin Products | Flex Hoses | Fittings







# MRO Specialty Products and Services

Future Metals created its "MRO Distribution Services" division to provide the aircraft maintenance repair and overhaul industry with a focused dynamic supply chain partner who understands and can respond to your needs.

Future Metals - MRO Distribution Services carries a broad inventory of aircraft quality metals and other specialty products such as seat tracks, seat track covers, welding rod, safety wire, flight control cables and more.

In addition, we offer a variety of services designed to meet your needs; these include a 24 hours a day AOG response team, specialty packaging solutions, materials processing services and a variety of inventory management programs.

Our MRO specialists are standing by to assist you with your needs at 1-844-264-3375 or simply email your requirements to [MRO@futuremetals.com](mailto:MRO@futuremetals.com)

## Products

Extrusion/Roll Form  
Sheet  
Bar  
Tubing  
Cabin Products  
Specialty Products  
Anodized Aluminum Sheet  
Laminated Shim Stock  
Safety Wire  
Welding Rod  
Wire Rope/Aircraft Cable

## Services

PVC Coating  
Cut to Size  
Specialty Packaging  
Inventory Management Programs  
24 Hour AOG Response Team

## Contact Info







# MRO Product Offerings

## Extrusion, Roll Form, Seat Track

Boeing (BAC)

Airbus

Army Navy Design (AND)

Lockheed (LS)

ATR (NTA)

Bombardier

Fokker

Airline Components International Ltd (ACI)

Sole Global Authorized Distributor

Grumman

Douglas

Sikorsky

Cessna

Vought

## Sheet Products

Aluminum

Stainless Steel

Titanium

Nickel Alloy (High Temp)

Alloy Steel

## Bar Products

Aluminum Nickel Bronze

Beryllium Copper

Aluminum

Stainless

Titanium

Nickel Alloy (High Temp)

## Tubular Products

Aluminum

Stainless Steel

Titanium

Nickel Alloy (High Temp)

## ACI Cabin Plastics

Seat Track Covers / Cappings

Cable Raceways

Seat Track Infills

Carpet / Matting Joiners

EEPL Raceways

Mopsils / Splashguards

Kickstrips

Rubstrips & Bumpstrips

Corner Cappings

Vertical Cable Conduits

Light Lenses

787 Cabin Solutions



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on LinkedIn







# Product Offerings

## Stainless Steel Tubing

Grade	Specification
17-7 PH	AMS 5568
304	AMS 5560, 5565, 5566, 5567, 5639 ASTMA249, A269 MIL-T-6845, 8504, 8506 DMS 1578 CVA-1-404
321	AMS 5557, 5570, 5576, 5645 MIL-T-8606, 8808, 8973 MMS 261
347	AMS 5556, 5571, 5575 MIL-T-8606, 8808 PWA 770
316	AMS 5573
410	AMS 5591, 5613
21-6-9	AMS 5561, 5562, BMS 7-185 LAC-08-1173

## Titanium Tubing

Grade	Specification
C.P.	AMS 4941, 4942, 4902 STM-08-301, BMS 7-21, MIL-T-9046
3AL-2.5V	PWA 1260, GE B50TF35, DMS 2241 ABS 5141, BMS 7-234 AMS 4943, 4944, 4945, 4946, AS 5620
6AL-4V	AMS 4911

## Nickel Tubing (High Temp)

Grade	Specification
200	ASTM B163
600	AMS 5580, PWA 1062
625	AMS 5581, GE, B50TF133, BMS 7-188 RMS 204 CL.1
718	AMS 5589, 5590, PWA 1065
X-750	AMS 5582
HX	AMS 5536, 5587, 5588
188	PWA 1042, 1088
L-605	GE B50T26, PWA 1064
A286	AMS 5731, 5732
AM 350	LAC-08-538
Waspaloy	AMS 5586

## Alloy Steel Tubing

Grade	Specification
4130	MIL-T-6736, AMS 6360, 6371, ASTM A519
4340	AMS 6415

## Aluminum Tubing

Grade	Specification
2024	AMS WW-T-700/3, AMS 4088 AMS 4086 AMS QQA-200/3, AMS 4152
3003	AMS WW-T-700/2, AMS 4065
5052	AMS WW-T-700/4, AMS 4070 AMS 4071
6061	AMS WW-T-700/6, AMS 4082 AMS-T-7081, MIL-T-7081, AMS4081, 4083, ABS5151, BAMS517-001 AMS QQ-A-200/8, AMS 4150
7075	AMS WW-T-700/7 AMS QQA-200/11
5086	

## Aluminum Bar:

### Rounds, Hex, Square & Flat/Rectangles

Alloy	Specification
2024	AMS QQ-A-225/6, AMS 4120 AMS QQ-A-200/3, AMS 4165
6061	AMS QQ-A-225/8, AMS 4117 AMS QQ-A-200/8, AMS 4173
7065	AMS QQ-A-225/9, AMS 4123
7075	AMS QQ-A-200/11, AMS 4169

## Stainless Steel Bar:

### Rounds, Hex, Squares Rectangles (Forgings Available)

Grade	Specification
13-8	AMS 5629
15-5	AMS 5659
17-4	AMS 5643
17-7	AMS 5644
303	AMS 5640
303 "B"	AMS 5738
304	AMS 5639
304 L	AMS 5647
316	AMS 5648
321	AMS 5645
347	AMS 5646
410	AMS 5612, 5613
416	AMS 5610
416	AMS 5610
431	AMS 5628
440	AMS 5630

## Nickel Bars:

### Rounds (Forgings Available)

Grade	Specification
A-286	AMS 5731, 5732, 5734
HAST X	AMS 5754
L-605	AMS 5759
RENE 41	AMS 5712
X-750	AMS 5667
625	AMS 5666
718	AMS 5662
Waspaloy	AMS 5708

## Titanium Bar: Rounds

Grade	Specification
6AL-4V	AMS 4928
6AL-4V	MIL-T-9047
6AL-4V	PWA-S4928

Available by special order:

6-6-2 5-2.5 8-1-1 C.P.

## Aircraft Alloys Steel Bar: Rounds, Hex, Square (Rectangular Available)

Alloy (Airmelt)	Specification
4130	AMS 6370, MIL-S-6758
4130HT	AMS 6370, MIL-S-6758
4140	AMS 6382, MIL-S-5626
4330MOD	AMS 6427
4340	AMS 6415, MIL-S-5000
6150	AMS 6448
8740	AMS 6322
52100	AMS 6440
Alloy (Vac-melt)	Specification
H-11VM	AMS 6487
4330MODVM	AMS 6411
4340M	AMS 6414
9310M	AMS 6265
52100VM	AMS 6444

## Aluminum Nickel Bronze Bar

### Material Specifications

QQC 00645B(1) C63000  
ASTM B150 03 C63000 TQ50  
AMS 4640 F96 TQ50  
AMS 4640 F96 HR50  
AMS 4590  
AMS 4880

## Beryllium Copper Bar:

### Rounds & Strip

#### Material Specifications

AMS 4533  
ASTM B196  
QQ-C-530  
AMS 4534  
AMS 4535  
AMS 4650  
AMS 4651

Visit [futuremetals.com](http://futuremetals.com)









# Product Offerings

## Nickel Alloy Sheet (High Temp)

Grade	Specification
A286	AMS 5525 / B50T12A / B50T1181C
HAST X	AMS 5536 / B50T83A / B50A436C
L-605	AMS 5537
RENE 41	AMS 5545 / B50T59
X-750	AMS 5542 / MILN7786
188	AMS 5608 / B50TF59
600	AMS 5540
625	AMS 5599
718	AMS 5596 / B50TF14

## Aluminum Sheet Stock

Alloy	Alclad/Bare	Specification
2024-T3	Alclad	QQA-250/5, AMS 4041
2024-0	Alclad	QQA-250/5, AMS 4040
2024-T3	Bare	QQA-250/4, AMS 4037
2024-0	Bare	QQA-250/4, AMS 4035
7075-T6	Alclad	QQA-250/13, AMS 4049
7075-0	Alclad	QQA-250/13, AMS 4048
7075-T6	Bare	QQA-250/12, AMS 4045
7075-0	Bare	QQA-250/12, AMS 4044
6061-T6	Bare	AMS 4027
6061-T4	Bare	AMS 4026
6061-0	Bare	AMS 4025
6013-T4	Bare	AMS 4347
MRS Sheet		

Available by Special Order:  
2219  
2124  
7175 / 7475  
HI FORM 2024-0  
T FORM 2024-T4

## Titanium Sheet

Grade	Specification
C.P. 1, A70, 75A	AMS 4901 / MIL-T 9046, TYPE 1 COMP. B / C.P.1, DMS 1536
C.P. 3, A40, 55A	AMS 4902 / MIL-T 9046, TYPE 1 COMP. A / C.P.3
6AL-4V ANN	AMS 4911 / MIL-T 9046, TYPE 3 COMP. C / AB1, DMS

## Stainless Steel Sheet

Grade	Specification
302	AMS 5513
304	AMS 5516
304L	AMS 5511
301 ¼ HARD	AMS 5517
301 ½ HARD	AMS 5518
301 FULL	AMS 5519
301 ANN	AMS 5901
321 ANN	AMS 5510
347 ANN	AMS 5512
410 ANN	AMS 5504
15-4 PH	AMS 5862
15-7 MO	AMS 5520
17-4 PH	AMS 5604
17-7 PH	AMS 5528

## Alloy Sheet/Plate

Grade	Specification
4130	AMS 6350 & 6345

## Anodized Aluminum Sheet

Phosphoric Acid Anodized  
BAC 5555  
BAC 5514-589

## Laminated ShimStock

Material Specifications  
AMS DTL-22499 (MIL-S-22499C)  
AMS 4013  
BMS 7-335  
BAC1534  
BACS40R  
LS5909  
STM07-105  
P103-Additional Specifications Available

## Safety Wire

Material Specifications  
AMS 5685  
AMS 5687

## Welding Rod

Material Specifications  
AMS 4954  
AWS A5.10  
AWS A5.9

## Wire Rope/Aircraft Cable

MIL-DTL-83420  
BOEING BMS7-265  
MIL-DTL-83140

**Aluminum Plate Available Upon Request**

Simply scan the QR code  
to contact one of our  
MRO Distribution Services  
Representatives today





Common S





# Shapes of Extrusions and Roll Form

AND10133.....Angle, Equal Leg, Extruded  
AND10134.....Angle, Unequal Leg, Extruded  
AND10135.....Angle, Bulb, Extruded  
AND10136.....Tee, Extruded  
AND10137.....Channel, Extruded  
AND10138.....Zee, Equal Leg, Extruded  
AND10139.....Zee, Unequal Leg, Extruded  
AND10140.....I & H, Extruded  
AND10141.....Tee, Bulb Section, Extruded

BAC1489.....Angle, Acute and Obtuse, Formed  
BAC1490.....Angle, 90 Degrees, Formed  
BAC1491.....Corrugated, section, Formed  
BAC1492.....Miscellaneous Section, Formed  
BAC1493.....Channel, U-Sections, Formed  
BAC1494.....Channel, C-Sections, Formed  
BAC1495.....Channel, C, Miscellaneous, Formed  
BAC1496.....Channel, Miscellaneous, Formed  
BAC1498.....Channel, Hat Section, Formed  
BAC1500.....Channel, Flanged, Formed  
BAC1503.....Angle, Extruded  
BAC1504.....Angle, Bulb, Extruded  
BAC1505.....Tee, Extruded  
BAC1506.....Tee, Miscellaneous, Extruded  
BAC1507.....PI Section, Extruded  
BAC1508.....PI Section, Miscellaneous, Extruded  
BAC1509.....Channel, Extruded  
BAC1510.....Channel, Miscellaneous, Extruded  
BAC1511.....Filler, Radius, Two End, Extruded  
BAC1512.....Filler, Radius, One End, Extruded  
BAC1513.....Filler, Miscellaneous, Extruded  
BAC1514.....Angle, Miscellaneous, Extruded  
BAC1515.....Angle, Bulb, Miscellaneous, Extruded  
BAC1517.....Zee, Formed or Extruded  
BAC1518.....I & H, Extruded  
BAC1519.....Forks and Fittings, Extruded  
BAC1520.....Miscellaneous shapes, Aluminum, Extruded  
BAC1527.....Miscellaneous Section, Extruded, Steel  
BAC1650.....Channel, Miscellaneous, Titanium Formed  
BAC1660.....Angle, Rolled Titanium Alloy  
BAC1670.....Angle, Extruded, Titanium Alloy  
BAC1671.....Tee, Miscellaneous, Extruded, Titanium Alloy  
BAC1675.....J" Titanium Alloy, Extruded  
BAC1676.....Miscellaneous Section, Extruded, Titanium Alloy

ABS5080A536.....Seat Track  
A532-74005.....Seat Track  
D530-70011.....Seat Track  
ABS5456C628.....Seat Track  
ASNA2223.....Seat Track



# AOG Service.

## Real time solutions for rea





A large aircraft hangar at night, illuminated by warm yellow lights. The hangar's interior is visible, showing a large white aircraft on the left and various maintenance equipment and tools scattered throughout the floor. The hangar's structure, including its high ceiling and support beams, is clearly visible. The scene conveys a sense of industrial activity and readiness.

# al world needs.

Aircraft MRO service providers work in a high demand, fast paced environment. They often find themselves in AOG situations searching around the clock for materials. Future Metals recognizes this and has a solution for real world needs.

A customer in Spain had an AOG raw material requirement after normal working hours on a Friday when the Future Metals' European Division was already closed for an extended holiday weekend. The customer remembered Future Metals' AOG email address; [aog@futuremetals.com](mailto:aog@futuremetals.com) and promptly sent an email describing their need. The email was routed to an AOG specialist at Future Metals who was on call. The request was quoted, order submitted, processed and shipped within four hours because of the AOG service Future Metals offers.

Future Metals has taken one step further to assist customers by offering an AOG phone number. 844-AOG-DESK (844-264-3375). The phone number and email is monitored from Monday 00:00 GMT thru Friday 00:00 GMT.







# Typical Alloys & Specifications For Extrusions & Roll Forms

ALLOY/TEMPER	EXTRUSION SPEC
2014-O	AMS-QQ-A-200/2
2014-T4	AMS-QQ-A-202/2
2014-T4511	AMS-QQ-A-200/2
2014-T6	AMS-QQ-A-200/2
2014-T6511	AMS-QQ-A-200/2
2014A-T6511P	L168,ABP1-4046
2024-O	AMS-QQ-A-200/3
2024-T3	AMS-QQ-A-200/3
2024-T3511	AMS-QQ-A-200/3
2024-T3511	ASN-A6030&NFL15-501
2024-T4	AMS-QQ-A-200/3
2024-T81	AMS-QQ-A-200/3
2024-T8511	AMS-QQ-A-200/3
2024-T8511	STO170LB0052
2219-O	BMS7-118
2219-O	DMS2077
2219-O	ASTM B221
2219-T3511	BMS7-118
2219-T8511	STM3120
2219-T8511	BMS7-118
2219-T8511	AMS 4162
2219-T8511	DMS2077
2224-T3511	BMS7-255
2224-T3511	CMMP024
2249-T76511	STM04-115
5083-H111	AMS-QQ-A-200/4
5086-H111	AMS-QQ-A-200/5
6005-T5	ASTM B221
6061-O	AMS4160
6061-O	AMS-QQ-A-200/8
6061-T4	AMS-QQ-A-200/8
6061-T4511	AMS-QQ-A-200/8
6061-T6	AMS-QQ-A-200/8
6061-T5	ASTM B221
6061-6510	AMS-QQ-A-200/8
6061-T6511	AMS-QQ-A-200/8
6061-T6511	AMS 4150
6063-O	ASTM B 221
6063-T1	ASTM B 221
6063-T4	ASTM B 221
6063-T5	ASTM B 221
6063-T52	ASTM B 221
6063-T6	ASTM B 221
6063-T6	AMS 4156H

ALLOY/TEMPER	EXTRUSION SPEC
6063-T6511	AMS-QQ-A-200/9
7050-O	5PTM 4L02
7050-O	AMS 4340
7050-O	AMS 4342
7050-O	DMS2227
7050-O	MMS1422
7050-O1	MMS1422, USI PS21221
7050-T73511	AMS 4341
7050-T73511	MMS1422
7050-T74511	MMS1422, USI PS21221
7050-T74511	DMS227
7050-T74511	AMS 4342
7050-T76511	AMS 4340
7050-T76511	CMMP014
7050-T76511	DMS2227
7050-T76511	LAC-C04-1410
7050-W511	CMMP014
7055-T74511	AMS 4324
7075-F	AMS-QQ-A-200/11
7075-O	AMS-QQ-A-200/11
7075-O	BMS7-186
7075-T6	AMS-QQ-A-200/11
7075-T6511	AMS-QQ-A-200/11
7075-W511	AMS-QQ-A-200/11
7075-T73	AMS-QQ-A-200/11
7075-T73511	AMS-QQ-A-200/11
7075-T73511	AMS 4167
7075-T73511	ASTM B221
7075-T3511	ASN-A6032 & NFL15-501
7075-T73511	ASN-A3292
7075-T73511	MBS7-180
7075-T73511	ATMO4-109A
7075-T73511	QQA, USI BAC5439 CLB
7075-T76	AMS-QQ-A-200/15
7075-T76511	AMS-QQ-A-200/15
7150-O	DMS2256
7150-T6511	BMS7-257
7150-T61511	DMS 2256
7150-T77511	AMS 4345
7150-T77511	BMS7-306
7150-T73511	ASN-A6033 & NFL15-501
7178-O	AMS-QQ-A-200/13
7178-T6	AMS-QQ-A-200/13
7178-T6511	AMS-QQ-A-200/13

ALLOY/TEMPER	ROLL FORM SPEC
2014-T62 ALCLAD	AMS-QQ-A-250/3
2014T3 ALCLAD	AMS-QQ-A-250/3
2014T4 ALCLAD	AMS-QQ-A-250/3
2014T41 ALCLAD	AMS-QQ-A-250/3
2024-O BARE	AMS-QQ-A-250/4
2024-O ALCLAD	AMS-QQ-A-250/5
2024-T3 ALCLAD	AMS-QQ-A-250/5
2024-T3 BARE	AMS-QQ-A-250/4
2024-T4 ALCLAD	AMS-QQ-A-250/5
2024-T42 ALCLAD	AMS-QQ-A-250/5
2024-T42 BARE	AMS-QQ-A-250/4
2024-T62 BARE	AMS-QQ-A-250/4
6061-O BARE	AMS 4025
6061-T4	AMS 4026
6061-T42	AMS 4026
6061-T6 BARE	AMS 4027
6061-T62 BARE	AMS 4027
7075-O ALCLAD	AMS-QQ-A-250/13
7075-O BARE	AMS-QQ-A-250/12
7075-T6 ALCLAD	AMS-QQ-A-250/13
7075-T6 BARE	AMS-QQ-A-250/12
7075-T62 BARE	AMS-QQ-A-250/12
7075-T62 ALCLAD	AMS-QQ-A-250/13
7075-T73 BARE	AMS-QQ-A-250/12
7075-T76 ALCLAD	AMS 4316
301 ANNEALED	AMS 5901
321 ANNEALED	AMS 5510
































# Extruded Shapes









## BAC Extrusions

NAME	SHAPE
BAC 1501 Tube, Square and Rectangular	
BAC 1503, BAC 1514 Angle, Miscellaneous Extruded	
BAC 1504 Angle, Bulb, Extruded	
BAC 1513 Filler, Miscellaneous Extruded	
BAC 1518 "I" and "H", Extruded	
BAC 1505 Tee, Extruded	
BAC 1510 Channel, Miscellaneous Extruded, Unequal Leg	
BAC 1503 Filler (Solid Bar), Radius Two End, Extruded	
BAC 1507 Zee, Extruded	
BAC 1519 Folks and Fittings, Extruded	
BAC 1512 Filler Radius, One End Extruded	
BAC 1506 Tee, Miscellaneous, Extruded	
BAC 1507 & 1508 PI Section, Miscellaneous Extruded (Double Leg Tee)	
BAC 1509 Channel, Extruded, Equal Leg	

## Roll Forms

NAME	SHAPE
BAC 1489 Angle, Acute and Obtuse, Formed	
BAC 1490 Angle, 90 Degrees, Formed	
BAC 1491 Corrugated Section, Formed	
BAC 1492 Miscellaneous Section Formed	
BAC 1493 Channel, "U" Section, Formed	
BAC 1494 "C" Section, Formed	
BAC 1495 Channel "C" Section Miscellaneous	
BAC 1496 Channel, Miscellaneous Formed	
BAC 1498 Channel, Hat Section, Formed	
BAC 1500 Channel, Flanged, Formed	
BAC 1517 Zee Formed	

## Extrusions

NAME	SHAPE
AND 10133 Angle, Equal Leg, Extruded	
AND 10134 Angle, Unequal Leg, Extruded	
AND 10135 Angle, Bulb, Extruded	
AND 10136 Tee, Extruded	
AND 10137 Channel, Extruded	
AND 10138 & 10139 Zee, Equal Leg, Extruded	
AND 10140 "H" Beam, Extruded	
AND 10141 Tee, Bulb, Extruded	







# Seat Tracks

## BAC 1520 Seat Tracks

NAME	SHAPE
Type 1	
Type 2	
Type 3	
Type 4	
Type 5	
Type 6	
Type 7	
Miscellaneous	

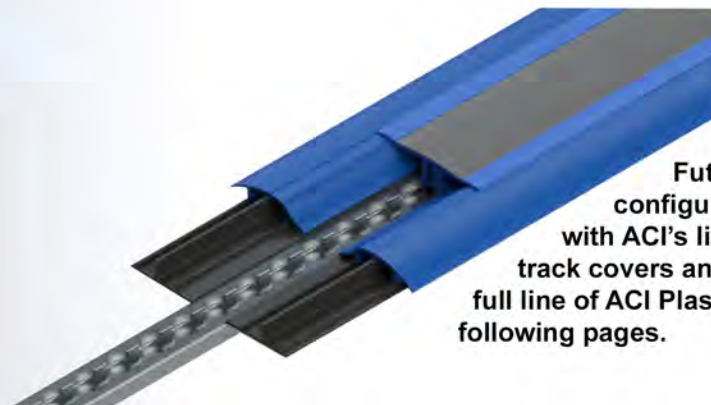
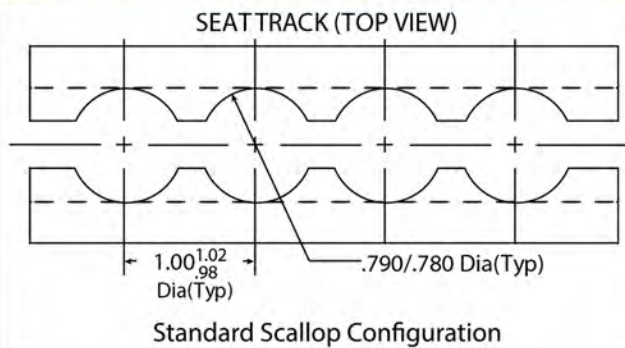
## Airbus Seat Chart

NAME	SHAPE
ABS5080A536	For use on A/C type A330/A340
A532-74005	For use on A/C type A300/A310 A330/A340
D530-70011	For use on A/C type A320/A321
ABS5456C628	For use on A/C type A320/A321
ASNA2223	For use on A/C type A320/A321
Offered as scalloped, anodized and primered, painted	

## Miscellaneous

SHAPE

## STANDARD SCALLOP SEAT TRACK



Future Metals' scallop configuration marries beautifully with ACI's line of extruded seat track covers and cappings. View the full line of ACI Plastics on the following pages.

Visit ACI website for more details







ACI is a UK based DESIGN, PRODUCTION & REPAIR organization, providing product, design and manufacturing excellence, on time. Since 1987 we have provided a 'one-stop-shop' solution for CABIN, COCKPIT & CARGO BAY INTERIOR components. Our in-house highly skilled technical engineering team uses customer driven design and provides tailored solutions to deliver results, and wherever you are, our global partnership with Future Metals gives you the delivery and service you deserve. Your Ideas. Our Engineering. Delivered.





## Sole Global Authorized Distributor of ACI Product

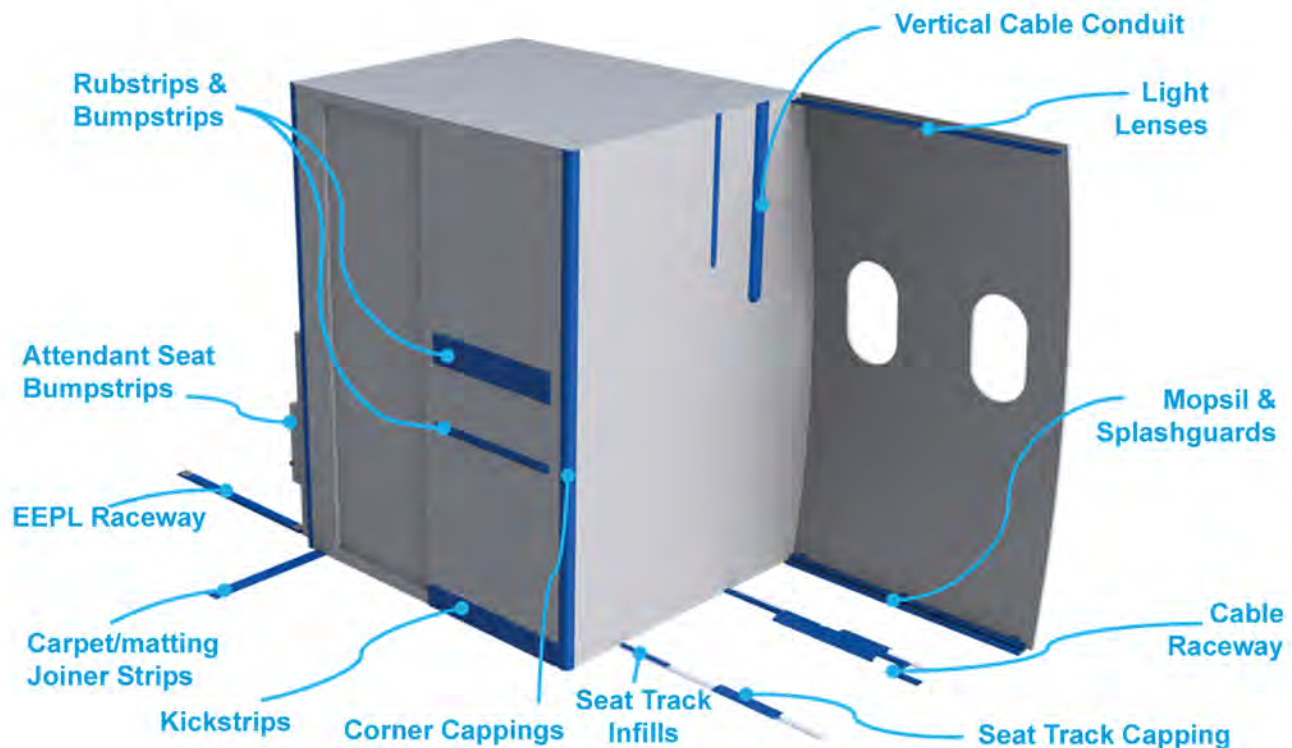
Future Metals and ACI are proud partners working together to provide all your cabin plastics and interior solutions.

ACI's design specialists combined with Future Metals global reach means fulfilling your cabin plastics and interiors needs has never been more simple, efficient and cost effective.

- Approved alternative parts for



- Part 21J (DOA) and 21G (POA) approved
- CAA Form 1 release



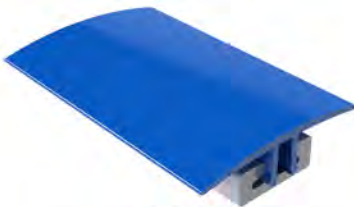




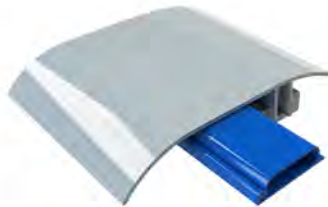




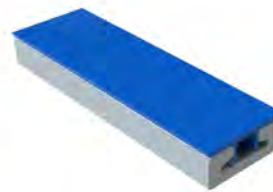
## Sole Global Authorized Distributor ACI Cabin Plastics



Seat Track  
Covers / Cappings



Cable Raceways



Seat Track Infills



Carpet / Matting  
Joiners



EEPL Raceways



Mopsils / Splashguards



Kickstrips



Rubstrips and  
Bumpstrips



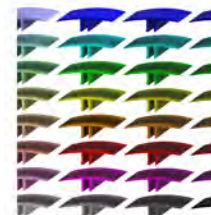
Corner Cappings



Vertical Cable  
Conduits



Light Lenses



Any Color  
(BAC/AIC/Bespoke)

## ACI Alternative Part Number - Quick Reference

### BOEING

BAC1522####-###

65C#####-##

C33#####-##

833Z18##-##

(AIRBUS operators should also search for the above PN's as BOEING PN's are compatible with Airbus a/c)

### AIRBUS

ABS5#####29.##

ABS0317

ABS5033

ABS5096

ABS5098

ABS5637

ABS5642

ABS5643

ABS5644

ABS5645

ABS5759

ABS5786

### BOMBARDIER

CVR###

S1556##-####

SB531##-####

N346-####

### EMBRAER

CDEX####

414N#####

411N#####

S7####-####

S2####-####

DCIN###-##

### ATR

ASNA2276####

(Search BOEING & AIRBUS PN's too)

### ACI

ACI#####-###

(ALL customers should check for legacy ACI PN use)





# The Future Favors the Brave.

Florida  
New England  
Ohio

Texas  
Washington  
California

United Kingdom  
The Netherlands  
India

Poland  
Singapore

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