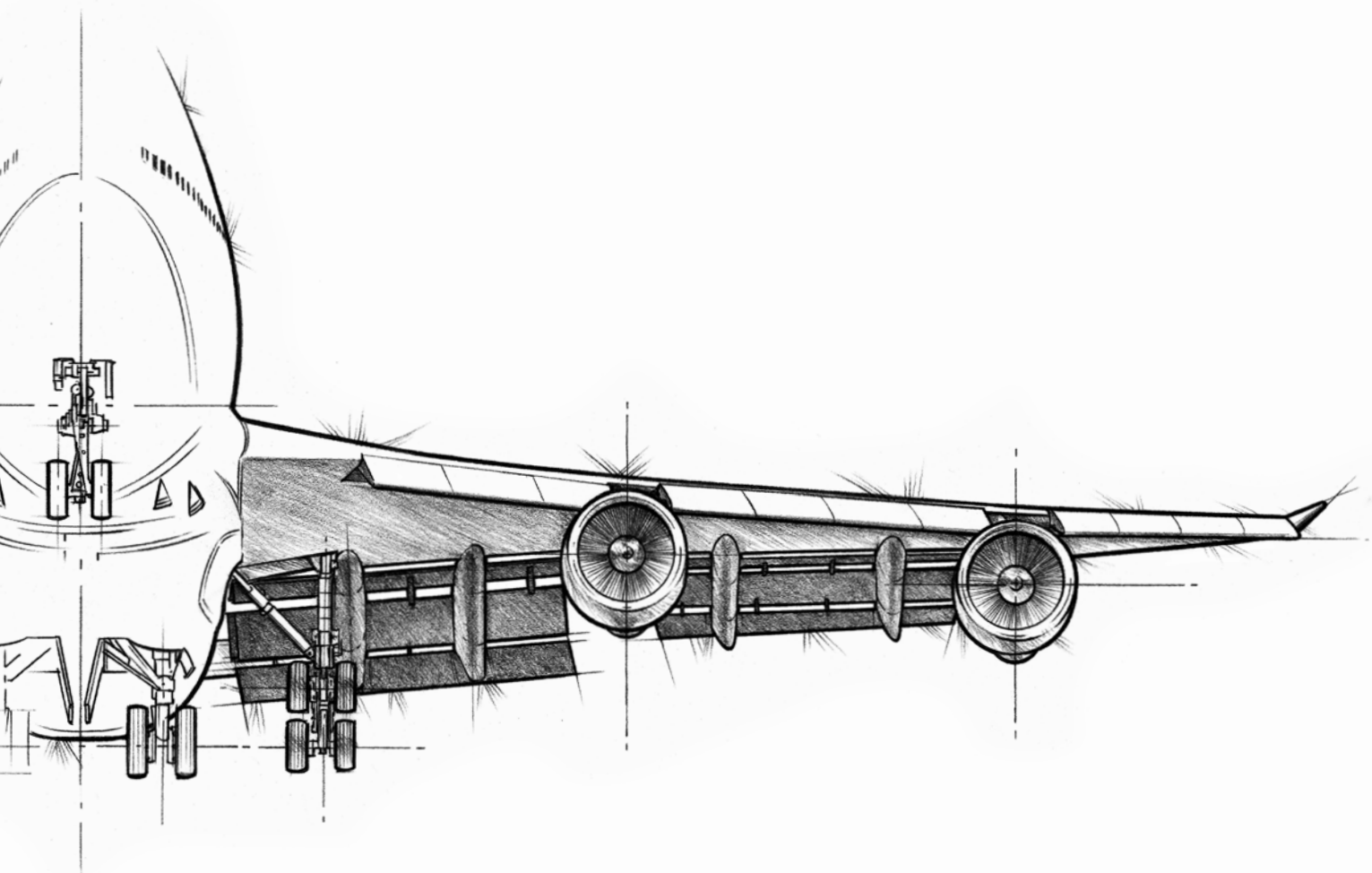




PRODUCT CATALOG

This catalog is a sample offers, please contact
for any parts you do not see represented in this catalog.

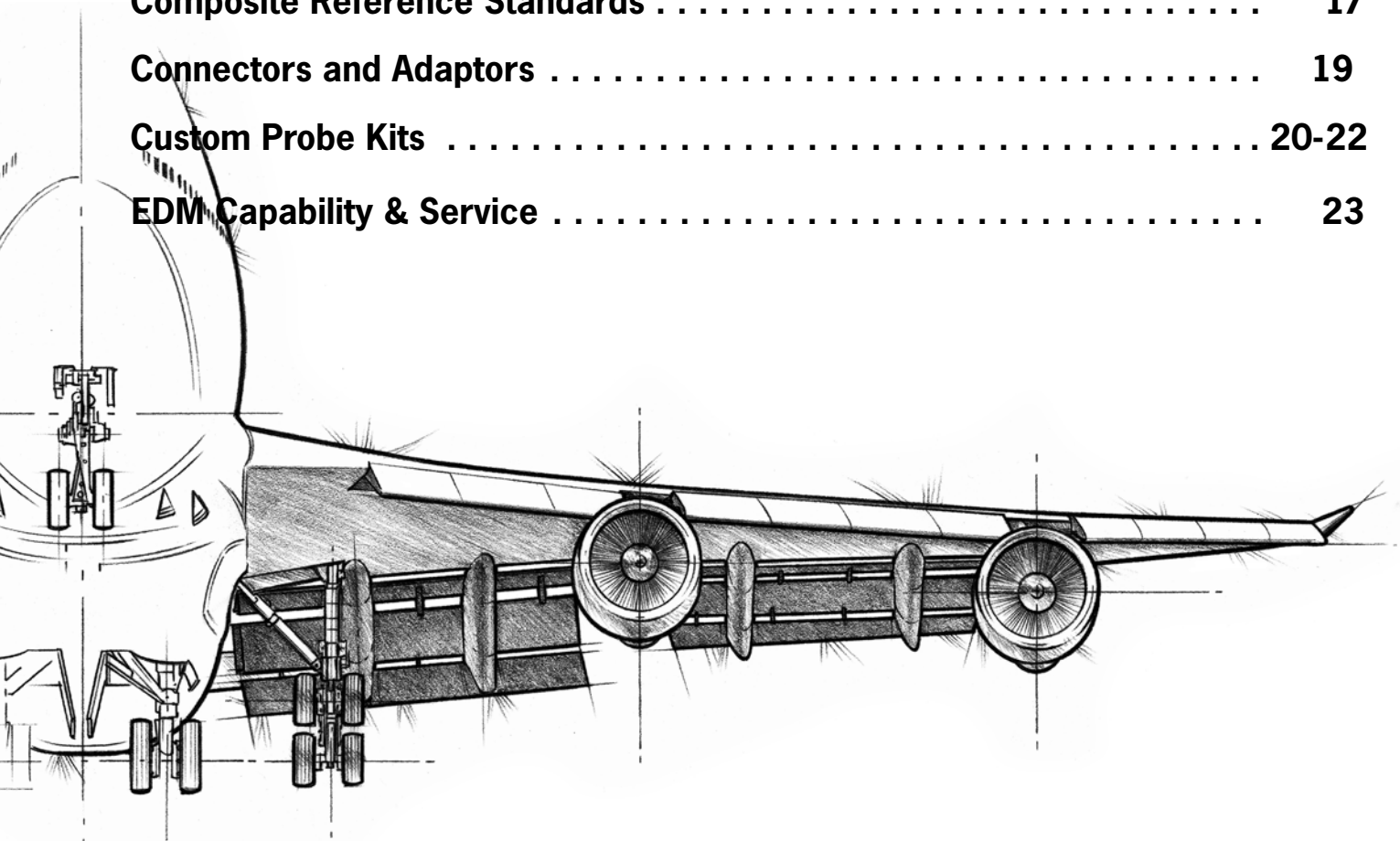


屹发检测科技（上海）有限公司
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Rotary Hole Probes

Full range of rotary designs with an assortment of sizes and frequency's. Standard working length 1.5 to 2.0, custom sizes and lengths upon request.
Options: Frequency, Connectors, Working Length, Flexible, Shielded/Unshielded, Split End, Stainless Steel

Rotary Probes



Hocking, MiniMite & Mini Rohman (Universal) 4 Pin Fischer

AUR-.125

AUR-.156

AUR-.187

AUR-.250

AUR-.312

AUR-.375

AUR-.437

AUR-.500

AUR-.625

Rechii & RA-2000 (Nortec) 4 Pin Step Lemo

ARR-.125

ARR-.156

ARR-.187

ARR-.250

ARR-.312

ARR-.375

ARR-.437

ARR-.500

ARR-.625

Adjustable Y Probes

For Spitfire, Mini-Mite (4 Pin Fischer),
Hocking and Rhomann Scanners



Hocking, MiniMite & Mini Rohman (Universal) 4 Pin Fischer

AURY-.125 -.156

AURY-.156 -.187

AURY-.187 -.218

AURY-.218 -.250

AURY-.250 -.312

AURY-.312 -.375

AURY-.375 -.437

AURY-.437 -.500

AURY-.500 -.625

Rechii & RA-2000 (Nortec) 4 Pin Step Lemo

ARRY-.125 -.156

ARRY-.156 -.187

ARRY-.187 -.218

ARRY-.218 -.250

ARRY-.250 -.312

ARRY-.312 -.375

ARRY-.375 -.437

ARRY-.437 -.500

ARRY-.500 -.625

Adjustable Flex Probes



Hocking, MiniMite & Mini Rohman (Universal) 4 Pin Fischer

AURX-.187-.250

AURX-.250-.312

AURX-.312-.375

AURX-.375-.437

AURX-.437-.500

AURX-.500-.625

AURX-.625-.687

AURX-.687-.750

AURX-.750-.875

Rechii & RA-2000 (Nortec) 4 Pin Step Lemo

ARRX-.187-.250

ARRX-.250-.312

ARRX-.312-.375

ARRX-.375-.437

ARRX-.437-.500

ARRX-.500-.625

ARRX-.625-.687

ARRX-.687-.750

ARRX-.750-.875

Countersink Rotary Probes 100°



Hocking, MiniMite & Mini Rohman (Universal) 4 Pin Fischer

AURCS100-.156

AURCS100-.187

AURCS100-.250

Rechii & RA-2000 (Nortec) 4 Pin Step Lemo

ARRCS100-.156

ARRCS100-.187

ARRCS100-.250

Manual Countersink Probes 100°



Triax

ARRCS100-.156

ARRCS100-.187

ARRCS100-.250

Microdot

ACSM100-.156

ACSM100-.187

ACSM100-.250

Pencil/Surface Probes

Full range of rotary designs with an assortment of sizes and frequency's. Standard working length 5.0, custom sizes and lengths upon request.

Pencil/Surface Probes	Shaft Ø	Straight Drop	Connector	Frequency	Shielded Un-shielded
	X= Extra Small 0.072	Straight	Microdot	50-500KHZ	
	S= Small 0.093	45° 45	Triax T	1-3MHZ	
	Regular 0.125	90° 95			



	Extra Small .072	Small .093	Regular .125	Straight	45°	90°	.500 Drop	Triax	Microdot	5" length	50-500 KHZ	1-3 MHZ	Shielded	Un-shielded
AXTPN-5	•			•				•		•	•		•	
AXPN-5	•			•					•	•	•		•	
ASTPN-5		•		•				•		•	•		•	
ASPN-5		•		•					•	•	•		•	
ATPN-5			•	•				•		•	•		•	
APN-5			•	•					•	•	•		•	
APNU-5			•	•					•	•	•		•	•
APNU95-5/2M			•	•					•	•		•	•	•



AXTPN45-5	•				•		•	•		•	•		•	
AXPN45-5	•				•		•		•	•	•		•	
ASTPN45-5		•			•		•	•		•	•		•	
ASPN45-5		•			•		•		•	•	•		•	
ATPN45-5			•		•		•	•		•	•		•	
APN45-5			•		•		•		•	•	•		•	
APNU45-5			•		•		•		•	•	•			•
APNU45-5/2M			•		•		•		•	•		•		•



AXTPN45-5	•					•	•	•		•	•		•	
AXPN45-5	•					•	•		•	•	•		•	
ASTPN45-5		•				•	•	•		•	•		•	
ASPN45-5		•				•	•		•	•	•		•	
ATPN45-5			•			•	•	•		•	•		•	
APN45-5			•			•	•		•	•	•		•	
APNU45-5			•			•	•		•	•	•			•
APNU45-5/2M			•			•	•		•	•		•		•

Pencil/Surface Probes *(continued)*

Manual Bolt Hole Probes

Bolt Hole probes are mostly used in bore or hole inspections. Our Bolt Hole probes may be used with a high-speed scanner, which increases capability for finding flaws during inspection. A scanner bolt hole probe is initially used in aerospace structural inspection after removal of a fastener, bushing, or other open hole inspection applications. Standard rotating bolt hole probes are typically designed with differential reflection coil configuration. .125-.281 is the standard probe working length of 1.5, .312 & up the standard working length is 2.0.



Blade Probes

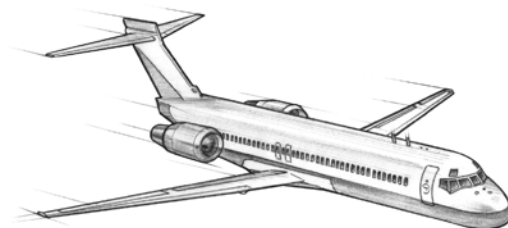
Full range of designs with an assortment of sizes and frequency's. Standard working length 3.5", custom sizes and lengths upon request.

Blade Probes

Shaft Thickness	Straight/Drop		Connector	Frequency
0.030	Straight		Triax	50-500KHZ
0.045	Straight		Triax	
0.045	45°	.500		
0.060	60°	.500		
0.090	90°	.500		



	Shaft Thickness				Straight	45°	60°	90°	.500	Triax Connector	6" length	50-500 KHZ
	0.030	0.045	0.060	0.090								
ATBL030-6	•				•					•	•	
ATBL045-6		•			•					•	•	
ATBL060-6			•		•					•	•	
ATBL090-6				•	•					•	•	



Ring, Spot, Sliding Probes

Full range of rotary designs with an assortment of sizes and frequency's. Custom sizes and lengths upon request.

Ring Probes

Ring probes are used for finding corrosion or cracks around fasteners on aerospace structures. Ring probes are manufactured with low frequency capabilities which allow for deeper inspection while penetrating a structure. Ring probe coils are also available in reflection absolute configurations.

Triax - Fischer



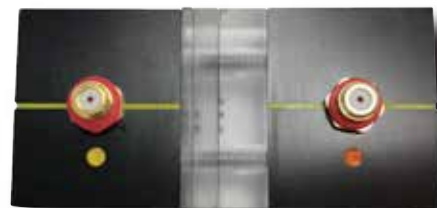
Sliding Probes

Sliding probes come in fixed and adjustable configurations. Reflection mode allows for inspection of fastener rows for surface and subsurface cracks. Sliding varieties, which are directionally sensitive, feature engraved green lines assisting in scan orientation to the expected direction of potential cracks. Fixed probes are typically used in riveted joints which detect cracks emitting from holes. Penetration is acceptable for fuselage thicknesses up to .15" (4mm). Adjustable varieties are used on thicker structures up to .75" (19mm). Sliding probes operate sufficiently with many different fasteners including magnetic fasteners.

Triax - Fischer



Microdot



Spot Probes

Spot probes are used for discovering flaws on and below surfaces. Their large coil diameter and low frequency operation are advantageous for scanning larger areas, and provide an increased detectable flaw size; normally equal to the radius of the probe diameter.

Triax - Fischer



Eddy Current Probe Sizing Table

Conversion Chart: Fraction/Decimal/Millimeter

Size	Fraction	Decimals	Millimeters
1	1/64	.0156	0.396
2	1/32	.0312	0.793
3	3/64	.0468	1.190
4	1/16	.0626	1.587
5	5/64	.0781	1.984
6	3/32	.0937	2.381
7	7/64	.1093	2.778
8	1/8	.125	3.175
9	9/64	.1406	3.571
10	5/32	.1562	3.968
11	11/64	.1718	4.365
12	3/16	.1875	4.762
13	13/64	.2031	5.159
14	7/32	.2187	5.556
15	15/64	.2343	5.953
16	1/4	.250	6.350
17	17/64	.2656	6.746
18	9/32	.2812	7.143
19	19/64	.2968	7.540
20	5/16	.3125	7.937
21	21/64	.3281	8.334
22	11/32	.3437	8.731
23	23/64	.3593	9.128
24	3/8	.375	9.525
25	25/64	.3906	9.921
26	13/32	.4062	10.318
27	27/64	.4218	10.715
28	7/16	.4375	11.112
29	29/64	.4531	11.509
30	15/32	.4687	11.906
31	31/64	.4843	12.303
32	1/2	.500	12.700

Size	Fraction	Decimals	Millimeters
33	33/64	.5156	13.096
34	17/32	.5312	13.493
35	35/64	.5468	13.890
36	9/16	.5626	14.287
37	37/64	.5781	14.684
38	19/32	.5937	15.081
39	39/64	.6093	15.487
40	5/8	.625	15.875
41	41/64	.6406	16.271
42	21/32	.6562	16.668
43	43/64	.6718	17.065
44	11/16	.6875	17.462
45	45/64	.7031	17.859
46	23/32	.7187	18.256
47	47/64	.7343	18.653
48	3/4	.750	19.050
49	49/64	.7556	19.446
50	25/32	.7812	19.843
51	51/64	.7968	20.240
52	13/16	.8125	20.637
53	53/64	.8281	21.034
54	27/32	.8437	21.431
55	55/64	.8593	21.828
56	7/8	.875	22.225
57	57/64	.8906	22.621
58	29/32	.9062	23.018
59	59/64	.9218	23.415
60	15/16	.9375	23.812
61	61/64	.9531	24.209
62	31/32	.9687	24.606
63	63/64	.9843	25.003
64	1	1.000	25.4

Transducers

Full range of designs with an assortment of sizes and frequency's. Custom sizes and lengths upon request.

Shear Wave / Angle Beam Transducers

Case Size	Element Size	Dimensions	Frequency	Angle	Material	Microdot Connector Orientation
X = Micro-miniature	0.187	.375 x .375 x .260	2.25 MHz	35°	A = Aluminium	Side Mount
S = Small	0.187	.550 x .450 x .260	5 MHz	45°	S = Steel	Top Mount
M = Medium	0.250	.750 x .500 x .370	10 MHz	60°		
L = Large	0.375	1.00 x .600 x .500		70°		

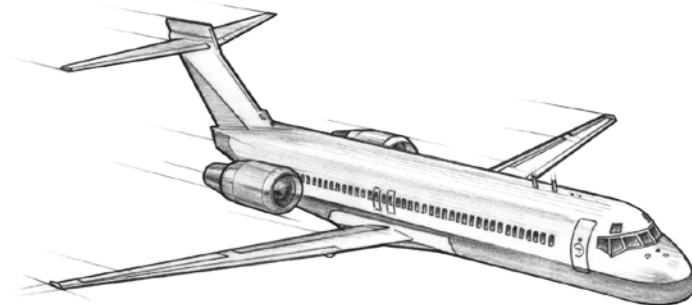


Part No.	Case Size				Frequency			Angle				Material		Mount	
	X	S	M	L	2.25 MHz	5 MHz	10 MHz	35°	45°	60°	70°	A	S	Side	Top
AFX-545AT	•					•			•			•			•
AFX-545AS	•					•			•			•		•	
AFX-545ST	•					•			•				•		•
AFX-545SS	•					•			•				•	•	
AFX-560AT	•					•				•		•			•
AFX-560AS	•					•				•		•	•	•	
AFX-560ST	•					•				•			•		•
AFX-560SS	•					•				•			•	•	
AFX-570AT	•					•					•	•			•
AFX-570AS	•					•					•	•		•	
AFX-570ST	•					•					•		•		•
AFX-570SS	•					•					•		•	•	
AFX-1045AT	•						•		•			•			•
AFX-1045AS	•						•		•			•		•	
AFX-1045ST	•						•		•				•		•
AFX-1045SS	•						•		•				•	•	
AFX-1060AT	•						•			•		•			•
AFX-1060AS	•						•			•		•		•	
AFX-1060ST	•						•			•			•		•
AFX-1060SS	•						•			•			•	•	
AFX-1070AT	•						•				•	•			•
AFX-1070AS	•						•				•	•		•	
AFX-1070ST	•						•				•		•		•
AFX-1070SS	•						•				•		•	•	

Shear Wave / Angle Beam Transducers *(continued)*



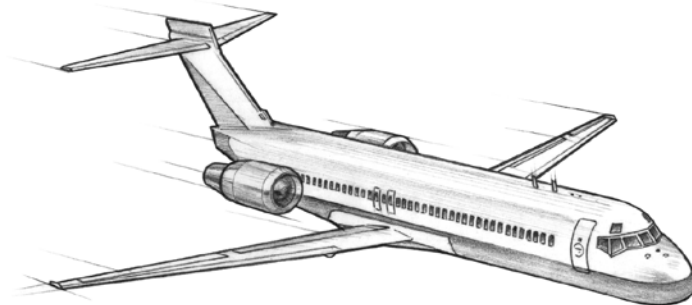
Part No.	Case Size				Frequency			Angle				Material		Mount	
	X	S	M	L	2.25 MHz	5 MHz	10 MHz	35°	45°	60°	70°	A	S	Side	Top
AFS-545AT		•				•			•			•			•
AFS-545AS		•				•			•			•		•	
AFS-545ST		•				•			•				•		•
AFS-545SS		•				•			•				•	•	
AFS-560AT		•				•				•		•			•
AFS-560AS		•				•				•		•	•	•	
AFS-560ST		•				•				•			•		•
AFS-560SS		•				•				•			•	•	
AFS-570AT		•				•					•	•			•
AFS-570AS		•				•					•	•		•	
AFS-570ST		•				•					•		•		•
AFS-570SS		•				•					•		•	•	
AFS-1045AT		•					•		•			•			•
AFS-1045AS		•					•		•			•		•	
AFS-1045ST		•					•		•				•		•
AFS-1045SS		•					•		•				•	•	
AFS-1060AS		•					•			•		•		•	
AFS-1060AT		•					•			•		•			•
AFS-1060SS		•					•			•			•	•	
AFS-1060ST		•					•			•			•		•
AFS-1070AS		•					•				•	•		•	
AFS-1070AT		•					•				•	•			•
AFS-1070SS		•					•				•		•	•	
AFS-1070ST		•					•				•		•		•



Shear Wave / Angle Beam Transducers *(continued)*



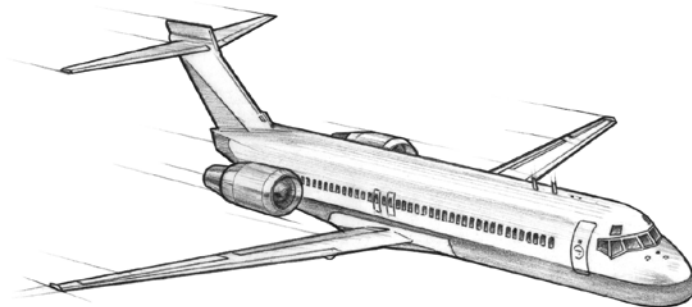
Part No.	Case Size				Frequency			Angle				Material		Mount	
	X	S	M	L	2.25 MHz	5 MHz	10 MHz	35°	45°	60°	70°	A	S	Side	Top
AFM-545AT			•			•			•			•			•
AFM-545AS			•			•			•			•		•	
AFM-545ST			•			•			•				•		•
AFM-545SS			•			•			•				•	•	
AFM-560AT			•			•				•		•			•
AFM-560AS			•			•				•		•	•	•	
AFM-560ST			•			•				•			•		•
AFM-560SS			•			•				•			•	•	
AFM-570AT			•			•					•	•			•
AFM-570AS			•			•					•	•		•	
AFM-570ST			•			•					•		•		•
AFM-570SS			•			•					•		•	•	
AFM-1045AT			•				•		•			•			•
AFM-1045AS			•				•		•			•		•	
AFM-1045ST			•				•		•				•		•
AFM-1045SS			•				•		•				•	•	
AFM-1060AT			•				•			•		•			•
AFM-1060AS			•				•			•		•		•	
AFM-1060ST			•				•			•			•		•
AFM-1060SS			•				•			•			•	•	
AFM-1070AT			•				•				•	•			•
AFM-1070AS			•				•				•	•		•	
AFM-1070ST			•				•				•		•		•
AFM-1070SS			•				•				•		•	•	



Shear Wave / Angle Beam Transducer *(continued)*



Part No.	Case Size				2.25 MHz	Frequency			Angle				Material		Mount	
	X	S	M	L		5 MHz	10 MHz		35°	45°	60°	70°	A	S	Side	Top
AFL-545AS				•		•				•			•			•
AFL-545AT				•		•				•			•		•	
AFL-545SS				•		•				•				•		•
AFL-545ST				•		•				•				•	•	
AFL-560AS				•		•					•		•			•
AFL-560AT				•		•					•		•	•	•	
AFL-560SS				•		•					•			•		•
AFL-560ST				•		•					•			•	•	
AFL-570AS				•		•						•	•			•
AFL-570AT				•		•						•	•		•	
AFL-570SS				•		•						•		•		•
AFL-570ST				•		•						•		•	•	
AFL-1045AS				•			•			•			•		•	
AFL-1045AT				•			•			•			•			•
AFL-1045SS				•			•			•				•	•	
AFL-1045ST				•			•			•				•		•
AFL-1060AS				•			•				•		•		•	
AFL-1060AT				•			•				•		•			•
AFL-1060SS				•			•				•			•	•	
AFL-1060ST				•			•				•			•		•
AFL-1070AS				•			•					•	•		•	
AFL-1070AT				•			•					•	•			•
AFL-1070SS				•			•					•		•	•	
AFL-1070ST				•			•					•		•		•



ReplacableDelay / Fixed Delay / Dual Element Transducers

Size/Element OD	Frequency Mhz
0.125	5
0.250	10
0.500	15
	1.0
	2.25
	3.50

Replaceable Delay



Replaceable Delay	Element OD			Frequency Mhz					
	0.125	0.250	0.500	1.0	2.25	5	10	15	20
ARD-150			•	•					
ARD-225		•			•				
ARD-250			•		•				
ARD-525		•				•			
ARD-550			•			•			
ARD-1025		•					•		
ARD-1050			•				•		
ARD-1210	•						•		
ARD-1215	•							•	
ARD-1525		•						•	
ARD-1220	•								•

Fixed Delay

Fixed Delay	Element OD			Frequency Mhz		
	0.125	0.250	0.500	5	10	15
APD-525		•		•		
APD-550			•	•		
APD-1025		•			•	
ARD-1050			•			
ARD-1525		•				•

Dual Element Delay



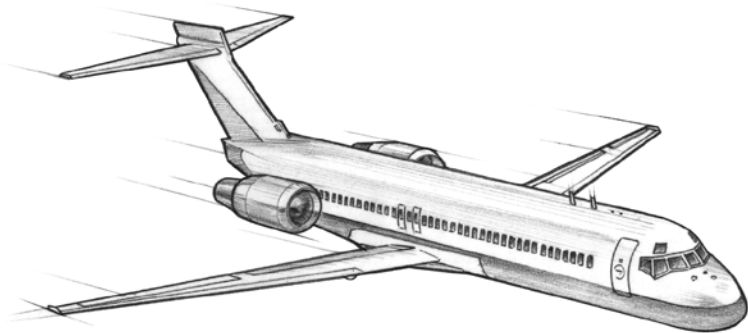
Dual Element Delay	Element OD		Frequency Mhz	
	0.250	0.500	5	10
ADL-525	•		•	
ADL-1025	•			•

Contact Fingertip Transducers (continued)



Frequency Mhz	Element Size Inches	Element Type
1.0	1.0	S = General Purpose HS = High Damped
2.25	0.75	
5	0.50	
10	0.375	
15	0.25	
20	0.187	
	0.125	

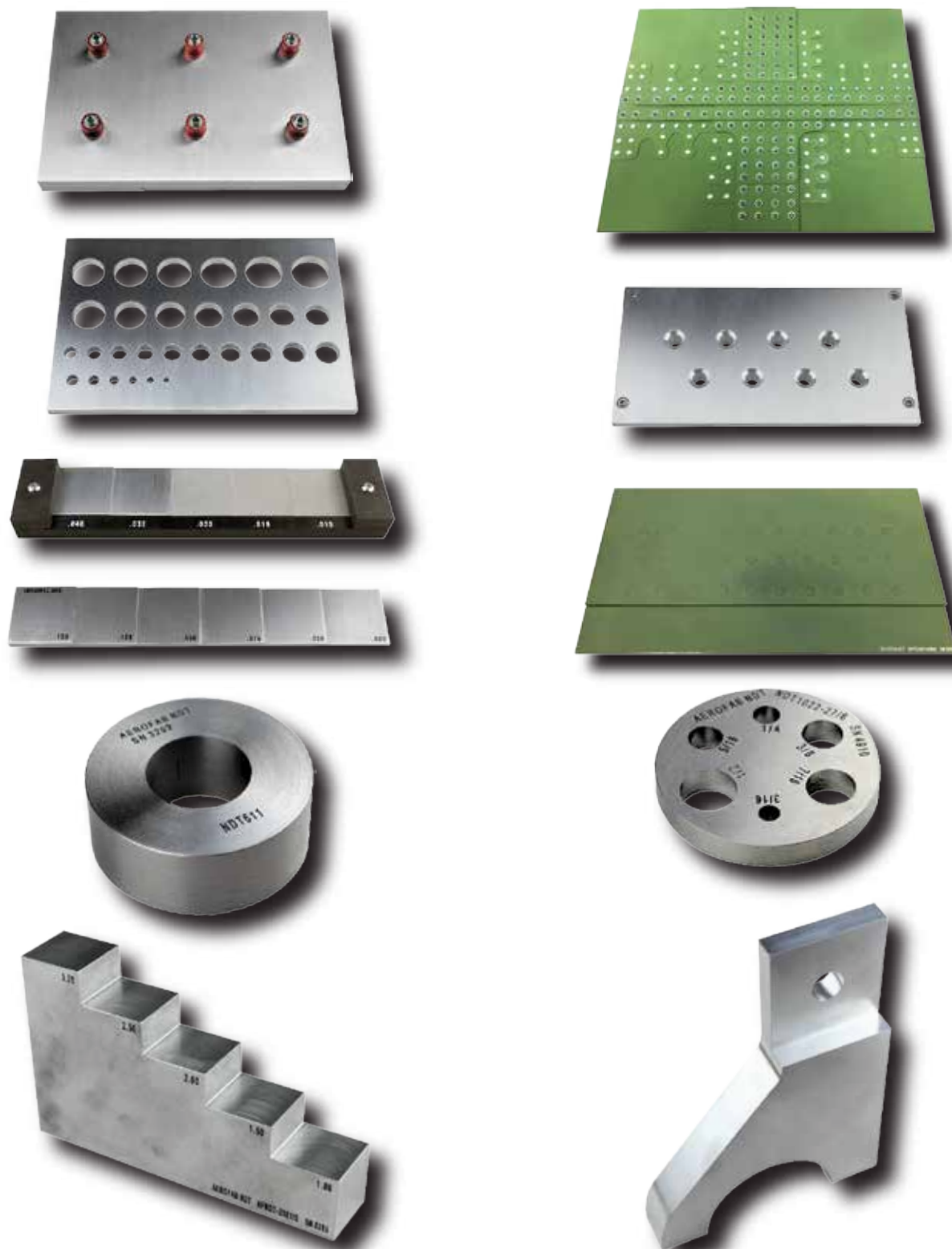
	Frequency Mhz						Element Size						
	1.0	2.25	5	10	15	20	1.0	0.75	0.50	0.375	0.25	0.187	0.125
AFC-1050S				•					•				
AFC-1037S				•						•			
AFC-1025S				•							•		
AFC-1018S				•								•	
AFC-1050HS				•					•				
AFC-1037HS				•						•			
AFC-1025HS				•							•		
AFC-1018HS				•								•	
AFC-1012HS				•									•
AFC-1525S					•						•		
AFC-1525HS					•						•		
AFC-1512HS					•								•
AFC-2025S						•					•		
AFC-2025HS						•					•		
AFC-2012HS						•							•



Reference Standards

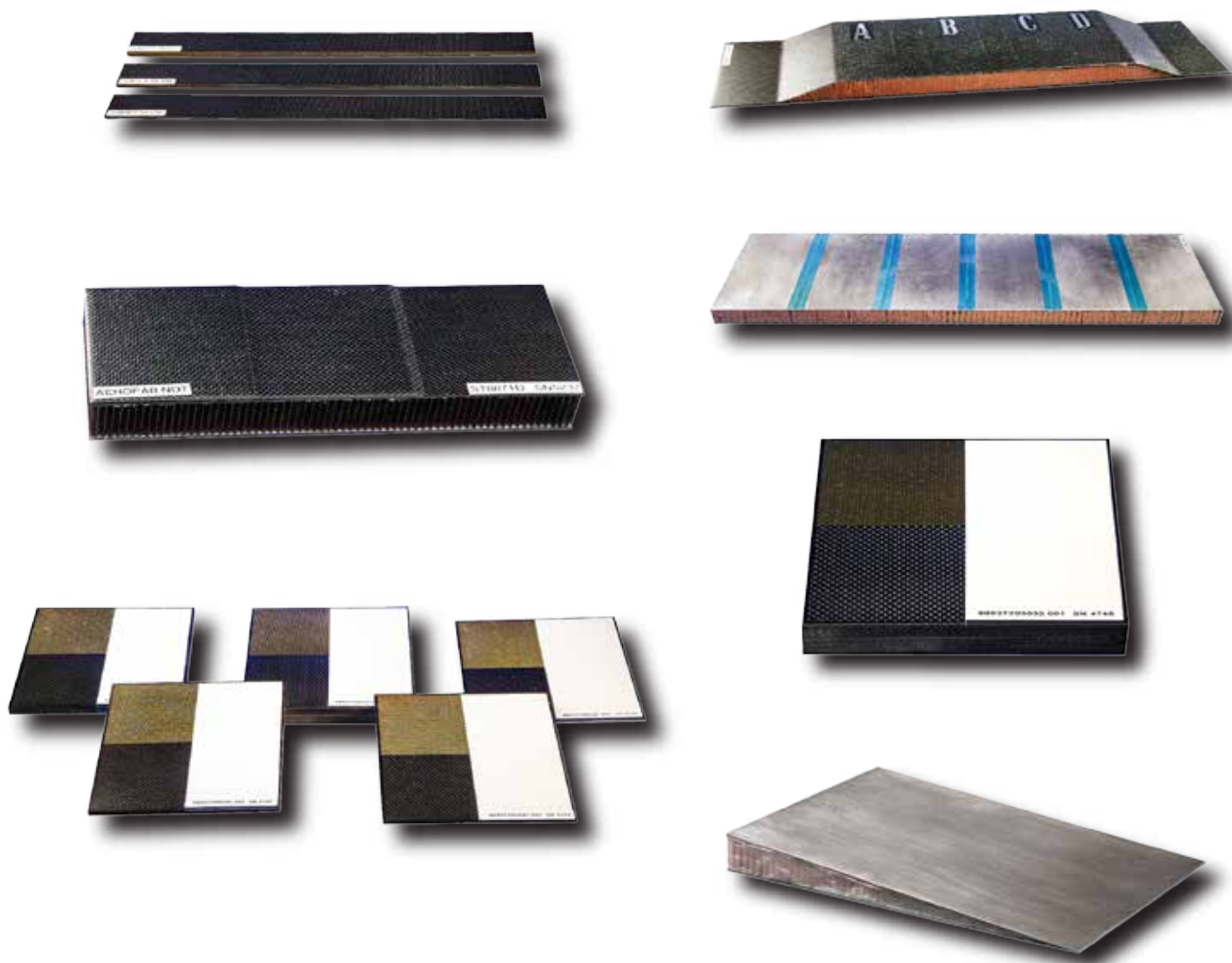
Full range of configurations and materials with an assortment of surface, corner and mid-wall EDM notches. Custom designs upon request.

Aerofab NDT has 30+ years of experience manufacturing NDT Reference Standards for all major Aircraft Manufacturers as well as custom standards for commercial and military aircraft.



Composite Reference Standards

At Aerofab NDT we align our product lines with the advancement in aerospace technology by offering a full line of composite reference standards as follows: Custom standard designs are available upon request..



Part Numbers

ST8870-1 & -4 ST8870-7,-8,-9 ST8871D ST8870D NDT 1033-10 NDT 1038 NDT 1046 NDT 2001 NDT 4150 NDT 1106	506 NDT629 C12-DIS-3C1N C12-PCS-3C1N C12-DEL-3C1N C12-POT-3C1N CHRS 2-4 CHRS 2-6 CHRS 2-9 CHRS 2-12	99D55109001000 99D51407291001 98S57205030.001 98S57205030.002 98S57205030.003 98S57205030.004 98S57205030.005
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Connectors & Adaptors *(continued)*

Absolute (Coaxial) Cables ***(6',10, or Custom)***

BNC to Microdot	ABNC-MD6
BNC to RA Microdot	ABNC-MDR6
BNC to BNC	ABNC-BNC
Dual BNC to Dual Microdot	ABNC-2MD6
Dual BNC to 2-Pin Microdot	ABNC-2M6
BNC to Lemo 00	ABNC-L006
Lemo 00 to Microdot	ACL00-MD6
Lemo 1 to Microdot	ACL1-MD6
Lemo 1 to RA Microdot	ACL1-MDR6

Balance Load Adaptors ***(50-500K, 500K-2M or Custom)***

Hocking Phasec 2D/3D	AP2D-BNC
Zetec Miz 21	AM21-BNC
Nortec 1000 & 2000	AN16-BNC

Scanner Adaptors

UR*
Rechii RA**

Hocking Driver ***(Hocking/Mini Rohmann/Spitfire)***

AUR-RA

RA-2000 Driver

RA-UR

* UR = Instrument

** RA = The Probe

Bridge/Reflection Cables

Absolute 2 (7-Pin Lemo) (6',12, or Custom)

Microdot	ACL7-MD6
Triax	ACL7-TF6-B or R
4-Pin Fischer	ACL7-4TF6-B or R

Phasec 2d & 3D (12-Pin Lemo) (6',12, or Custom)

Microdot	ACP2D-MD6-50-500KHZ
Triax	ACP2C-TF6-B or R
4-Pin Fischer	ACP2D-4TF6-B or R

Nortec 1000 & 2000 (16-Pin Lemo) ***(6',12, or custom)***

Microdot	ACN16-MD6-50-500KHZ
Triax	ACN16-TF6-B or R
2 Microdot	ACN16-M2D6-R
4-Pin Fischer	ACN16-4TF6-B or R

Nortec NDT-18 & 19 (8-Pin Brundy) ***(6',12, or custom)***

Microdot	ACBR-MD6
Triax	ACBR-TF6-B or R
4-Pin Fischer	ACBR-4TF6-B or R

Miz 21 (4-Pin Fischer) (6',12, or custom)

Microdot	ACM21-MD6
Triax	ACM21-TF6-B or R

Bridge/Reflection Adaptors available upon request.

Custom Probe Kits

Full range of designs with and assortment of sizes and frequency's. Custom sizing upon request.

Eddy Current Surface Probe Kits



Eddy Current Rotary Probe Kits



Custom Kits *(continued)*

Eddy Current Blade Probe Kits



UT Probe Kits



Custom Kits *(continued)*

Custom Case Probe Kits



EDM Capablilty and Services

Electrical Discharge Machining (EDM)

is an integral part of reference standard manufacturing process where we create defects (notches) required by aircraft manufacture's drawings using both wire and sinker EDM machines. Through this process we have developed unique and sophisticated EDM skills and we are often called upon to do custom EDM work that cannot be done elsewhere.



Titanium 787 landing gear torque tube in the EDM machine installing defects. Boeing will use this to calibrate instruments used for aircraft