2024

Eddy Current Probe and Standard Catalog

NDT SOLUTIONS

www.ndts.com
Sales@ndts.com 833.999.6387

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Introduction

Every section in this probe catalog begins with a short description of the different eddy current products available. This section gives a short description on how to build a probe part number. Each eddy current probe available from NDTS has a unique code. These codes can be used to order the desired probe configuration. When ordering always indicate the instrument to be used and the preferred connector type. In the "How to Order" section of each probe page you will find the correct format to use when building you own probe/part number. If you have questions or concerns, please call NDTS at (715) 246-0433.

Connector Identification Chart

Nortec 1000, 2000 & 500 (16 Pin Lemo)

M12-21 (4 Pin Fischer)

Nortec NDT-18 & 19 (8 Pin Burndy)

Differential Reflection

8 Pin Fischer/Elotest

Phasec 2d & 2200 (12 Pin Lemo)

Locator 2 (7 Pin Lemo)

PS-5 Connector

Microdot

2 Pin Microdot

Triax Lemo

4 Pin Switchcraft

MAUS Connector

3 Pin Din Defectometer

MIZ-20 & 22 (4 Pin Cannon)

Phasec 1.1 (6 Pin Jaeger)

Probe Kits

NDT Solutions LLC. specializes in making custom probe kits which are designed to meet our customer's needs & specifications. We customize each kit/order to meet all budget requirements.




Reference Standards

- Boeing
- Lockheed
- Airbus
- Pratt & Whitney
- Eddy Current
- Custom EDM Notching
- Re-Certify Old Standards
- Sikorsky
- Bell Helicopter
- General Electric
- Ultrasonic

Interconnecting Cables & Adapters

- Ultrasonic
- Eddy Current

The Last and Only Probe Kit(s) You Will Ever Need!

- Titanium wear surface option for extended durability and life
- Every size, shape, form and fit probe you will need.
- Certified and calibrated for use on aluminum, steel and titanium. Also available in magnesium, inconel, stainless steel, etc.
- The highest sensitivity and lowest noise ratio available.
- A multitude of frequency ranges.
- Compatible for all Eddy Current testers

HOW TO ORDER

Please contact NDT Solutions at (715) 246-0433 with your inspection requirements and we will build a custom probe kit to fit your needs, requirements, and budgetary goals.

Our Most Popular Probe Kits

The following probe kits are custom probe kits which are most popular with our customers and in the field of NDT. Each of these kits are designed to meet the needs of our customers and their business. If you are looking for a specialty kit, please give us a call and we would be happy to help you design the kit which will meet your needs and your budget.

Probe Kit SPCK-363/N2K

(Manual Bolt Hole Kit)

QTY	Part Type	Probe Type
1	Probe	MBAB1-.875
1	Probe	MBAB1-.625
1	Probe	MBAB1-.437
1	Probe	MBAB1-.312
1	Probe	MBAB1-.250
1	Probe	MBAB1-.156
1	Probe	MBAB1-.750
1	Probe	MBAB1-.500
1	Probe	MBAB1-.375
1	Probe	MBAB1-.281
1	Probe	MBAB1-.187
1	Probe	MBAB1-.125
1	Cable	EC-N2K-TL-6
1		Form Fitted Pelican Kit Box

Probe Kit SPCK-374

(Universal Scanner Probe Kit)

QTY	Part Type	Probe Type
1	Probe	SO6R4-.156-.187
1	Probe	SO6R4-.187-.250
1	Probe	SO6R4-.250-.312
1	Probe	SO6R4-.312-.375
1	Probe	SO6R4-.375-.437
1	Probe	SO6R4-.437-.500
1	Probe	SO6R4-.500-.625
1	Probe	SO6R4-.625-.750
1	Probe	SO6R4-.750-.875
1	Probe	SO6R4-.875-.1.00
1		Form Fitted Pelican Kit Box

Probe Kit SPCK-135/N2K

(Surface Eddy Current Probe Kit)

QTY	Part Type	Probe Type
1	Probe	PAUB30602FX
1	Probe	PAUB90602FX
1	Standard	ECRS-08245-4/4340
1	Cable	EC-N2K-TL-6
1		Form Fitted Pelican Kit Box

Probe Kit SPCK-228

(Low Frequency Ring Probe Kit)

QTY	Part Type	Probe Type	Coil	Diameter	Size	Frequency
1	Probe	SPC-365R-.187	Reflection	3/16	4.76mm	100Hz-10KHz
1	Probe	SPC-365R-.250	Reflection	1/4	6.35mm	100Hz-10KHz
1	Probe	SPC-365R-.312	Reflection	5/16	7.9mm	100Hz-10KHz
1	Probe	SPC-365R-.375	Reflection	3/8	9.5mm	100Hz-10KHz
1	Probe	SPC-365R-.437	Reflection	7/16	11.11mm	100Hz-10KHz
1	Probe	SPC-365R-.500	Reflection	1/2	12.7mm	100Hz-10KHz
1	Probe	SPC-365R-.625	Reflection	5/8	15.88mm	100Hz-10KHz
1	Probe	SPC-365R-.750	Reflection	3/4	19mm	100Hz-10KHz
1	Cable	EC-RN2K-TL-6				
1	Probe	Form Fitted Pelican Kit Box				

Probe Kit SPCK-367/N2K

(This is a General-Purpose Surface Probe Kit)

QTY	Part Type	Probe Type	Frequency
2	Cable	EC-N2K-TL-6	
2	Cable	EC-RN2K-TL-6	
1	Probe	PAB0080FX	50-500KHz
1	Probe	PAB90602	50-500KHz
1	Probe	PAB90601	50-500KHz
1	Probe	PABM90402/.072	50-500KHz
1	Probe	PAB0050	50-500KHz
1	Probe	PAB45605	50-500KHz
1	Probe	PAB90605	50-500KHz
1	Probe	PAB90602FX	50-500KHz
1	Probe	PAB90602FX	500KHz-2MHz
1	Probe	PAB0080FX	500KHz-2MHz
1	Probe	PAB90602	500KHz-2MHz
1	Probe	PAB90601	500KHz-2MHz
1	Probe	PABM90402/.072	500KHz-2MHz
1	Probe	PAB0050	500KHz-2MHz
1	Probe	PAB45605	500KHz-2MHz
1	Probe	PAB90605	500KHz-2MHz
1	Scanner Probe	SO6R2-.750-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.687-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.625-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.562-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.500-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.437-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.375-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.312-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.250-5FX	100KHz-1MHz
1	Scanner Probe	SO6R2-.750-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.687-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.625-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.562-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.500-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.437-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.375-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.312-5FX	500KHz-2MHz
1	Scanner Probe	SO6R2-.250-5FX	500KHz-2MHz
		Form Fitted Pelican Kit Box	
1	Scanner Probe	SO6R4-.750	100KHz-1MHz
1	Scanner Probe	SO6R4-.687	100KHz-1MHz
1	Scanner Probe	SO6R4-.625	100KHz-1MHz

Probe Kit SPCK-367/N2K (continued)

(This is a General-Purpose Surface Probe Kit)

QTY	Part Type	Probe Type	Frequency
1	Scanner Probe	SO6R4-.562	100KHz-1MHz
1	Scanner Probe	SO6R4-.500	100KHz-1MHz
1	Scanner Probe	SO6R4-.437	100KHz-1MHz
1	Scanner Probe	SO6R4-.375	100KHz-1MHz
1	Scanner Probe	SO6R4-.312	100KHz-1MHz
1	Scanner Probe	SO6R4-.250	100KHz-1MHz
1	Scanner Probe	SO6R4-.750	500KHz-2MHz
1	Scanner Probe	SO6R4-.687	500KHz-2MHz
1	Scanner Probe	SO6R4-.625	500KHz-2MHz
1	Scanner Probe	SO6R4-.562	500KHz-2MHz
1	Scanner Probe	SO6R4-.500	500KHz-2MHz
1	Scanner Probe	SO6R4-.437	500KHz-2MHz
1	Scanner Probe	SO6R4-.375	500KHz-2MHz
1	Scanner Probe	SO6R4-.312	500KHz-2MHz
1	Scanner Probe	SO6R4-.250	500KHz-2MHz
1	Probe	PAR16-90605	1-20KHz
1	Spot Probe	LFSR-.500/TM	200Hz-2KHz
1	Spot Probe	LFSR-.437/TM	500Hz-5KHz
1	Spot Probe	LFSR-.310/TM	1-50KHz
1	Spot Probe	LFSR-.250/TM	1-50KHz
1	Standard	ECRS-0824/AL	
1	Standard	ECRS-0824/Ti	
1	Standard	ECRS-0824-S4/4340	

Probe Kit SPCK-229

(Manual Bolt Hole Kit)

QTY	Part Type	Probe Type	Size
1	Probe	MBA1-10	5/32”
1	Probe	MBA1-12	3/16”
1	Probe	MBA1-14	7/32”
1	Probe	MBA1-16	1/4”
1	Probe	MBA1-18	9/32”
1	Probe	MBA1-20	5/16”
1	Probe	MBA1-22	11/32”
1	Probe	MBA1-24	3/8”
1	Probe	MBA1-26	13/32”
1	Probe	MBA1-28	7/16”
1	Probe	MBA1-30	15/32”
1	Probe	MBA1-32	1/2”
1	Probe	MBA1-34	17/32”
1	Probe	MBA1-36	9/16”
1	Probe	MBA1-38	19/32”
1	Probe	MBA1-40	5/8”
1	Probe	MBA1-42	21/32”
1	Probe	MBA1-44	11/16”
1	Probe	MBA1-46	23/32”
1	Probe	MBA1-48	3/4”
1	Probe	MBA1-50	25/32”
1	Probe	MBA1-52	13/16”
1	Probe	MBA1-54	27/32”
1	Probe	MBA1-56	7/8”
1	Probe	MBA1-58	29/32”
1	Probe	MBA1-60	15/16”
1	Probe	MBA1-62	31/32”
1	Probe	MBA1-64	1”
1		Form Fitted Pelican Kit Box	
Add “1” for Universal Bolt Hole Probe Kit			
Add “IRA” for RA Scanner Bolt Hole Probe Kit			

Probe Kit SPCK-218

(General Purpose Surface Probe Kit)

QTY	Part Type	Probe Type
1	Probe	PAB0060/AL (50-500K)
1	Probe	PAB90505/AL (50-500K)
1	Probe	PAB90505/Ti (1-3 MHz)
1	Probe	PAB90305/AL (50-500)
1	Probe	PAB0030/Ti (1-3MHz)
1	Probe	PAB0020/AL (50-500K)
1	Ref. Std.	ECRS-0824/AL
1	Ref. Std.	ECRS-0824/Ti
1	Ref. Std.	ECRS-0824/MAG
1	Cable	EC-N2K-TL-6
1		Form Fitted Pelican Kit Box

Probe Kit SPCK-330

(General Purpose Surface Probe Kit)

QTY	Part Type	Probe Type
1	Probe	PAB0040
1	Probe	PAB0080FX
1	Probe	PAB90605
1	Probe	PAB90602
1	Probe	PAB90C601
1	Probe	PAB45502
1	Probe	PAB90605FX
1	Probe	PAB90802FX
1	Cable	EC-N2K-TL-6
1	Ref. Std.	ECRS-0824/AL
1		Form Fitted Pelican Kit Box

(Kit pictures unavailable at this time)

HOW TO ORDER

Please contact NDT Solutions at (715) 246-0433 with your inspection requirements and we will build a custom probe kit to fit your needs, requirements, and budgetary goals.

Sizing Table

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	15.478
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

HF Surface Probes

High frequency surface probes are available in various shielded or unshielded designs and frequencies. These probes are commonly used for surface crack detection.

45 Degree

90 Degree

Straight


Crank


Bend

Probe Configuration

1. Probe Type

Shielded	P
Absolute Bridge, Quick Disconnect	PAB
For unshielded add U to part number E.g. Absolute Unshielded	PAU
Defectometer (Ferrous)	PDF
Defectometer (Non-Ferrous)	PDN
Defectometer (Non-Ferrous Shielded)	PDNS

2. Probe Tip Diameter

Default diameter of HF probes = 0.125
For an unshielded Mini Tip the diameter is from .035 to .072 For a shielded Mini Tip the diameter is from .072 to .125 Add M to front of part # and /0.00 for the diameter you request at the end of part number

3. Coil

Differential	D
Reflection	R
Absolute	A
Absolute Bridge	AB
Absolute Reflection	AR
Bridge Differential	BD

4. Angle

Straight	00
45 Degrees	45
Right Angle	90

5. Bend at Handle Angle

Straight (Default)	
Bend (At Handle)	B
Crank (1” from Coil End Side)	C

6. Length (WL)

Probe length is 0.1” from handle end to shaft coil end

7. Probe Drop

0.100”
0.200”
0.300”
0.400”
0.500”
0.600”
0.700”
Custom Drop

8. Shaft

Stainless (Default)	
Copper (Flexible)	FX

9. Frequency

Probe frequency, either fixed or range 50-500KHz (Default) 200KHz (Center Frequency) 500KHz - 1MHz, 1-3MHz

10. Protective Tip

Protects the wear on the coil - add TT at end of part #

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Probe Tip Diameter	3. Coil	4. Angle	5. Bend at Handle	6. Length	7. Drop	8. Shaft	9. Frequency	10. Protective Tip

For Example: A shielded surface probe, with an absolute bridge, 90 degrees, cranked, 6 inches long, drops .4 and is copper - the Part # would be: PAB90C604FX

Manual Bolt Hole Probes

These probes are used for manual testing of bolt holes.

Probe Configuration

1. **Probe Type**

Manual Bolt Hole Probe	MB
Defectometer Ferrous	MBDF
Defectometer Non-Ferrous Unshielded	MBDN
Defectometer Non-Ferrous Shielded	MDDNS

2. **Coil**

Differential - Quick Disconnect	D
Reflection	R
Absolute	A
Absolute Bridge - Quick Disconnect	AB
Absolute Reflection	AR
Bridge Differential	BD

3. **Probe Shape**

Split End (Single Sized)	1
Self-Expanding (Spread)	2
Screw Adjustable (Spread)	3
Add S to number if depth gage is used - Collar default length is 1”	

4. **Diameter (Head Size)**

Default in inches, see Table 1 For metric add M to end of part #

5. **Frequency**

Default frequency is 100 kHz - 1 MHz Provide frequency range or desired frequency

6. **Working Length (WL)**

Default = 2 inches or in case of metric = 50mm Indicate required length if not default in inches or mm, length measured from probe end to coil

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Coil	3. Probe Shape	-	4. Diameter	/	5. Frequency	/	6. Working Length	Metric

For Example: A manual bolt hole probe, differential, split end, .156 head size, 3 inches, the part # would be: MBD1-.156/3WL Example #2: A manual bolt hole probe, absolute, split end, with a diameter of .156, and 3 inches working length, the part # would be: MBA1-.156/3WL

Rotating Scanner Probes

Scanner probes are eddy current probes used in combination with an automated rotator, which is attached to an eddy current instrument. High speed testing of bolt holes, counter bores, the hole perimeter or around fasteners heads are a typical application for these types of probes. Several designs and materials are possible depending on the application the probes are used in. EC/NDT has many different designs available for all rotating guns on the market. If a standard design does not fit your application, we will manufacture a probe according to your specifications/requirements.

Rotating Scanner Bolt Hole Probes

Bolt hole probes are used to scan the inside of a bore for cracks. Many different designs and coil types are available to meet your inspection requirements.


100 Degree


Solid


Screw Adjustable


Split End Collar Adj


Split End Expanding


Collar Adjustable

Probe Configuration

1. **Probe Type**

Rechii Scanner Probe (Plastic Design)	S
Stainless Steel Scanner Probe	SS
For unshielded design of above probes, add U	SU, SSU
For flexible shaft design probes, add FX	SFX, SUFX, etc.

2. **Equipment Manufacturer**

Nortec	0
Zetec	1
Physical Acoustic	2
Rohmann	3
Foerster	4
Hocking	5
Uniwest	6
Gulton	7

3. **Scanner Model**

Nortec RA	0
Nortec RA2	1
Nortec PS2/3	2
Nortec PS4	4
Nortec PS5	5
Zetec Standard	0
Physical Acoustics Standard	0
Rohmann Standard	0
Rohmann Mini	1
Foerster	0
Foerster	1
Hocking Mini	1
Uniwest Standard	0
Gulton Standard	0
Universal Mini	1

4. **Coil**

Differential	D
Reflection	R
Absolute	A
Absolute Reflection	AR
Absolute Bridge	AB

Default Coil Types Are:

Nortec PS2/3	Differential
Nortec RA, RA2, PS4, PS5	Reflection
Zetec Default	Differential
Physical Acoustics Default	Differential
Rohmann Default	Reflection
Foerster Default	Reflection
Hocking Default	Reflection
Uniwest Default	Differential
Gulton Default	Absolute
Universal	Reflection

Rotating Scanner Probes (continued)

5. **Probe Model**

Perimeter Probes	HP
Fastener Head Probes	FP
Solid	0
Split End	1
Self Expanding	2
Screw Adjustable	3
Collar Adjustable Shaft	4

6. **Diameter**

Default in inches, see Table 1 For
metric add M to end of part #
In case of fixed diameter e.g. S100/16
In case of diameter range e.g. S102/16-20

7. **Working Length (WL)**

Default = 2 inches or in case of metric = 50mm Indicate required length if not default in inches or mm

8. **Frequency**

Probe frequency, either fixed or range

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Equipment Manufacturer	3. Scanner Model	4. Coil	5. Probe Model	/	6. Diameter	/	7. Working Length	M[1]	/	8. Frequency

For metric sizes add M to end of part #

For Example: A Rechii Scanner Probe, Lemo 1/2 moon connector, Refl., Collar Adjustable Shaft, the part # would be: S00R4

Rotating Scanner Countersink Probes

Scanner countersink probes are used to scan the countersink area of a bore for cracks. Many different designs and coil types are available to meet your inspection requirements.

Probe Configuration

1. **Probe Type**

Scanner Probe (Plastic Design)	SC
Stainless Steel Scanner Probe	SSC
For unshielded design of above probes, add U	SCU, SSCU
For flexible shaft design probes, add FX	SCFX, SCUFX, etc.

2. Equipment Manufacturer

Nortec	0
Zetec	1
Physical Acoustic	2
Rohmann	3
Foerster	4
Hocking	5
Uniwest	6
Gulton	7
Universal	8

Rotating Scanner Countersink Probes (continued)

3. **Scanner Model**

Nortec RA	0
Nortec RA2	1
Nortec PS2/3	2
Nortec PS4	4
Nortec PS5	5
Zetec Standard	0
Physical Acoustics Standard	0
Rohmann Standard	0
Rohmann Mini	1
Foerster Standard	0
Foerster Mini	1
Hocking Mini	1
Uniwest Standard	0
Gulton Standard	0
Universal Mini	1

4. **Coil**

Differential	D
Reflection	R
Absolute	A
Absolute Reflection	AR
Absolute Bridge	AB

Default Coil Types Are:

Nortec PS2/3	Differential
Nortec RA, RA2, PS4, PS5	Reflection
Zetec Default	Differential
Physical Acoustics Default	Differential
Rohmann Default	Reflection
Foerster Default	Reflection
Hocking Default	Reflection
Uniwest Default	Differential
Gulton Default	Absolute
Universal	Reflection

5. **Angle**

Standard (Degrees)	100

6. **Diameter**

Default in inches, see Table 1 For metric add M to end of part #

7. **Working Length (WL)**

Default = 2 inches or in case of metric = 50mm Indicate required length if not default in inches or mm

8. **Frequency**

Probe frequency, either fixed or range

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Equipment Manufacturer	3. Scanner Model	4. Coil	5. Angle	/	6. Diameter	/	7. Working Length	M[1]	/	8. Frequency

[1]For metric sizes add M to end of part #

For Example: A Nortec equipment with a Universal Scanner Gun, the part # would be: SC01R100-.312

LF Spot Probes

The LF Spot Probes are general purpose probes for most applications. They are used for sub-surface defect detection, fatigue cracks, and metal thinning due to corrosion.

Probe Configuration

1. Probe Type

LF Spot Probe	LF

2. Connector Location

Side Connection (Default)	S
Top Mount	T

3. Coil

Differential	D
Reflection	R
Bridge Differential	BD
Absolute	A
Absolute Bridge	AB

4. Diameter

Diameter of probe is 0.1” or when metric in mm

5. Metric

When diameter in metric add M

6. Connector

Lemo Quick Disconnect (Default)
Other connectors available upon request

7. Frequency

Provide frequency range or desired frequency

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Connector Location	3. Coil	-	4. Diameter	5. Metric	/	6. Connector	/	7. Frequency

For Example: A LF Spot Probe with a top mount, absolute bridge. The part # would be: LFTAB-.54

LF Ring Probes

The Ring Probes are used for crack detection around installed fastener heads. These probes are made to fit various fastener head diameters.

Probe Configuration

1. Probe Type

LF Ring Probe	LF

2. Coil

Differential	D
Reflection	R
Bridge Differential	BD
Absolute	A
Absolute Bridge	AB

3. Connector Location

Side Mounted (Default)	S
Top Mount	T

4. ID-OD

Add desired diameters, default in inches

5. Metric

When diameter in metric add M

6. Connector

Lemo Quick Disconnect (Default)
Other connectors available upon request

7. Frequency

Provide frequency range or desired frequency

8. Material

Aluminum
Steel
Titanium

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Coil	3. Connector Location	4. ID-OD	5. Metric	/	6. Connector	/	7. Frequency	8. Material

(For Example: A LF Ring Probe, Reflection, Top Mount. The part # would be: LFRT)

Moulded Wheel Probes and Wheel Standards

These probes are designed to scan complex shapes and maintain good contact to surface on large areas. These probes are, for example, used to scan the bead seat area of aircraft wheels. Complete aircraft wheel inspection kits are available for many different aircraft types. All other special design moulded probes will be coded as a special. See section “Special Probes” for more detailedinformation.

SPCK-214/T1
T1 Wheel Probe Kit - Nose and Main

Wheel Probe Configuration

1. Probe Type

Wheel Probe	WP
Wheel Standard	SS

2. Location

Main	M
Nose	N
Kit (Kit includes all probes and reference standards needed for aircraft type)	K

3. Aircraft Type

Indicate aircraft manufacturer’s code, if not available contact NDT Solutions, Inc.	
Aerospatial (ATR-1)	E
Airbus	A
Boeing	B
Bombardier	O
British Aerospace	BA
Cessna	C
Dehavilland	D
Embraer	M
Fokker	F
Gulfstream	G
Lockheed	L
McDonnell Douglas	MD
Northrop	C
Pilatus	P
Saab	S

4. Aircraft Type Indication

The aircraft type indication e.g., Dash 8, 737, MD80

5. Connector

Lemo Quick Disconnect (Default)
Other connectors available upon request

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Shape	2.Location	-	3. Aircraft Type	4. Aircraft Type Indication	5. Connector

For Example: A Moulded Wheel Probe for the nose of a Boeing aircraft. The part # would be: WPN-B737

Moulded Wheel Probes and Wheel Standards(continued)

The following are examples of wheel probes and wheel standards which we build. However, there are many different types of aircraft. It is important to know we design wheel probes and wheel standards for all current aircraft. If there is an aircraft you are looking for but do not see it on this list, please contact us at (715) 246-0433 or through our website at sales@ndts.com. We would be happy to assist you with your specific request.

Aircraft	Wheel Probe Placement - Main	Wheel Probe Placement - Nose	Wheel Standard Placement - Main	Wheel Standard Placement - Nose
B-717	WPM-B717	WPN-B717	WSM-B717	WSN-B717
B-727	WPM-B727	WPN-B727	WSM-B727	WSN-B727
B-737	WPM-B737	WPN-B737	WSM-B737	WSN-B737
B-747	WPM-B747	WPN-B747	WSM-B747	WSN-B747
B-757	WPM-B757	WPN-B757	WSM-B757	WSN-B757
B-767	WPM-B767	WPN-B767	WSM-B767	WSN-B767
A-320	WPM-A320	WPN-A320	WSM-A320	WSN-A320
DC-9	WPM-DC9	WPN-DC9	WSM-DC9	WSN-DC9
DC-10	WPM-DC10	WPN-DC10	WSM-DC10	WSN-DC10
MD-80	WPM-MD80	WPN-MD80	WSM-MD80	WSN-MD80
Dash 8	WPM-Dash8	WPN-Dash8	WSM-Dash8	WSN-Dash8
KC-135	WPM-KC135	WPN-KC135	WSM-KC135	WSN-KC135
B-52	WPM-B52	WPN-B52	WSM-B52	WSN-B52
F-15C, D	WPM-F15CD	WPN-F15CD	WSM-F15CD	WSN-F15CD
F-15E	WPM-F15E	WPN-F15E	WSM-F15E	WSN-F15E
F-16	WPM-F16	WPN-F16	WSM-F16	WSN-F16
A-6	WPM-A6	WPN-A6	WSM-A6	WSN-A6
A-10	WPM-A10	WPN-A10	WSM-A10	WSN-A10
UH-60	WPM-UH60	WPN-UH60	WSM-UH60	WSN-UH60
B-717	WPM-B717	WPN-B717	WSM-B717	WSN-B717
KC-135/CB Carbon Brake	WPM-KC135/CB	WPN-KC135/CB	WSM-KC135/CB	WSN-KC135/CB
H46-2/CB Carbon Brake	WPM-H462/CB	WPN-H462/CB	WSM-H462/CB	WSN-H462/CB

It is helpful when building a wheel probe and/or reference standard, for our specialists to have a sample of the wheel you will be using the probe and standard on. If you have a sample, please indicate that on your order or tell one of our representatives when placing your order. Thank you.

Sliding Probes

Sliding probes provide an easy and quick method of scanning smooth surfaces to detect surface and subsurface cracks. These probes are mostly used to scan fastener rows. Probes can be designed to meet your specific inspection requirements.

Probe Configuration

1. Probe Type

Probe Type	GP

2. Shape

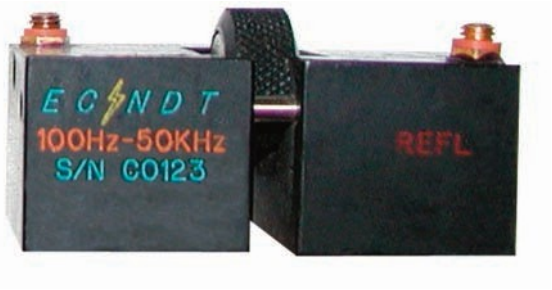
Fixed Size	F
Adjustable Size	A
Wheel Adjustable	WA

3. Length

Length of probe, in case of adjustable sliding probes the minimum size

4. Width

Fixed Size	F
Adjustable Size	A
Wheel Adjustable	WA



5. Metric

When ID and OD in metric add M

6. Connector

Lemo Quick Disconnect (Default)
Other connectors available upon request

7. Frequency

Add frequency range or desired frequency

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Shape	-	3. Length	4. Width	5. Metric	-	6. Connector	7. Frequency

For Example: A Sliding Probe, fixed size, 2 inches long, fixed width. The part # would be: GPF-2F

Blade Probes

Blade probes provide an easy access in narrow slots or gaps between structures detect surface anomalies. Both sides of the probe are sensitive for defects.

Probe Configuration

1. Probe Type

Shielded Blade Probe	BL
For unshielded add U to part # e.g. Absolute Unshielded	BLAU
Defectometer (Ferrous)	BLDF
Defectometer (Non-Ferrous)	BLDN
Defectometer (Non-Ferrous Shielded)	BLDNS
For side mounded coil, change BL into BLS	

2. Coil

Differential	D
Reflection	R
Absolute	A
Absolute Reflection	AR
Absolute Bridge	AB

3. Angle

Straight	00
30 Degrees, etc.	30
Right Angle or Indicate Desired Angle	90

4. Thickness (T)

3 Standard Thickness's are available: 0.8", 0.06", 0.04"

5. Working Length (WL)

Default = 2 inches or in case of metric = 50mm Indicate required length if not default in inches or mm

6. Connector

Default connector is Tri-Axial Fischer	TF

7. Frequency

Add frequency range or desired frequency

HOW TO ORDER

Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration.

1.Probe Type	2.Coil	3. Angle	-	4. Thickness[4]	5. Working Length	/	6. Connector	/	7. Frequency

For Example: A shielded blade probe, absolute bridge, straight, with .08" thickness. The part # would be: BLAB00-.08

Finger Probes

Finger probes are surface probes that can be handled by sliding a finger in the handle. This gives the possibility to scan areas that are difficult to access and remain in good contact with the surface.

Probe Configuration

1. Probe Type

Finger Probe Shielded	FSPFSP
For unshielded add U to part # e.g. Absolute Unshielded	FSPAU
Defectometer (Ferrous)	FSPDF
Defectometer (Non-Ferrous)	FSPDN
Defectometer (Non-Ferrous Shielded)	FSPDNS

Finger Probe Straight

Finger Probe Angle

2. Coil

Differential	D
Reflection	R
Absolute	A
Absolute Reflection	AR
Absolute Bridge	AB

3. Angle

Straight	00
30 Degrees, etc.	30
Right Angle	90

4. Drop or Working Length

In terms of drop	0.1D
In terms of length	1.0D

5. Connector

Microdot (Default)
Indicate connector type if not default

6. Frequency

Add frequency range or desired frequency

HOW TO ORDER

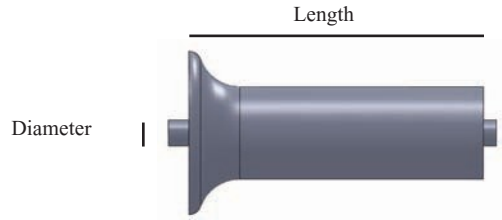
Construct your part number as described in this section or contact NDTS at (715) 246-0433 with a description of your desired probe configuration. Order on-line at www.ndts.com.

1. Probe Type	2. Coil	3. Angle	-	4. Drop	/	5. Connector	/	6. Frequency

For Example: A finger probe, absolute bridge, straight, with .1 drop. The part # would be: FSPFSPAB00-.01

Spring Loaded Probes

Spring loaded probes are used when a constant pressure of the probe on the surface is required. This will give a high repeatability of your inspection.



Probe Configuration

1. Probe Type

Spring Loaded Probe	SLP

2. Coil

Differential	D
Reflection	R
Absolute	A
Absolute Bridge	AB

***3.* Diameter**

Diameter of surface area

***4.* Length**

Length of holder

5. Metric

If diameter and length are provided in metric add M

***6.* Connector**

Lemo Quick Disconnect (Default)
Other connectors available upon request

***7.* Frequency**

Add frequency range or desired frequency

1. Probe Type	2. Coil	3. Diameter	4. Length	5. Metric	/	6. Connector	/	7. Frequency

For Example: A spring loaded probe, absolute bridge, with a diameter of .025 and a length of two inches. The part # would be SLPAB.0252

Delrin Surface Probes

Unshielded “pencil” type probe for surface crack detection.

Probe Configuration

1. Probe Type

Tip Diameter 1/4”	DSS
Tip Diameter 1/8”	DSM

2. Coil

Differential	D
Reflection	R
Absolute	A
Absolute Bridge	AB
Absolute Reflection	AR

3. Length

Length of holder, default in inches

4. Metric

If diameter and length are provided in metric add M

5. Connector

Lemo Quick Disconnect (Default)
Other connectors available upon request

6. Frequency

Add frequency range or desired frequency

1. Probe Type	2. Coil	3. Length	4. Metric	/	5. Connector	/	6. Frequency

For Example: A delrin surface probe with a tip diameter of 1/4”, absolute bridge, two inches long. The part # would be DSSAB2

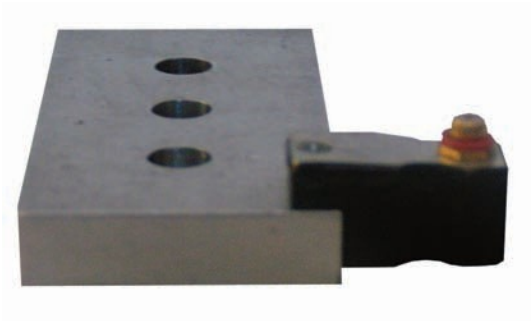
Customized Solution Standards and Probes

Specially designed probes are available for all your applications. Since the design meets a special requirement the probe identification will be given by NDT Solutions LLC.

Probe Configuration

1. Probe Type

Special	SPC



2. Number

Scanning Probes	1
Manual Bolt Hole Probes	2
HF Surface Probes	3
LF Spot Probes	4
LF Ring Probes	5
Sliding Probes	6
Moulded Probes	7
Spring Loaded Probes	8
Finger Probes	9
Delrin Probes	10
Blade probes	11

3. Connector

Lemo Quick Disconnect (Default)	
Tri Axial Fischer	TF
Microdot	M
2 Pin Microdot	2P
4 Pin Fisher for Reflection Elotest Type	4F

4. Drawing Index

Added for internal administrative purposes

5. Frequency

Frequency range or desired frequency

HOW TO ORDER

Contact NDT Solutions at (715) 246-0433 for help constructing your part number. Have your inspection requirements ready and we will help construct a part number to fit your needs and budgetary goals.