

## 1. PENCIL PROBES

### 1.1. Straight Shaft Surface Probe (Single / Single Shielded)

Sensing element of eddy-current probe coincides with the handle axis



Designation	Tip $\varnothing$ 'D', mm	Length, mm	Centre Frequency	Connector	Material
SU200K3Dx25-115 S	3	115	200 kHz	Microdot	Fe/NFe
SU200K4.5Dx25-115 S	4.5	115	200 kHz	Microdot	Fe/NFe
SU500K3Dx25-115 S	3	115	500 kHz	Microdot	Fe/NFe
SU500K4.5Dx25-115 S	4.5	115	500 kHz	Microdot	Fe/NFe
SU2M2.5Dx25-115 S	2.5	115	2 MHz	Microdot	NFe
SU2M3Dx25-115 S	3	115	2 MHz	Microdot	NFe
SU6M2.5Dx25-115 S	2.5	115	6 MHz	Microdot	NFe

SU 200K 3D x 25 - 115S (Sh)  
1 2 3 4 5

1. SU – surface probe for surface flaws detection.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Probe tip diameter, mm
4. Shaft size, mm
5. Total probe length, mm. Standard length - of 115 mm (4,5") can be changed upon request.
6. Probe type designation: "S". "S" – Single coil probe.  
Probes of standard type are manufactured unshielded. In case a shielded probe is required, when making an order, please indicate the letters "Sh" (Shielded) at the end of a designation code.

### 1.2. Straight Shaft Surface Probe (Single / Single Shielded, Bridge)

Sensing element of eddy-current probe coincides with the handle axis



Designation	Tip $\varnothing$ 'D', mm	Length, mm	Centre Frequency	Connector	Material
SU200K3Dx25-75 B	3	75	200 kHz	Triax Lemo/Fischer	Fe/NFe
SU200K4.5Dx25-75 B	4.5	75	200 kHz	Triax Lemo/Fischer	Fe/NFe
SU500K3Dx25-75 B	3	75	500 kHz	Triax Lemo/Fischer	Fe/NFe
SU500K4.5Dx25-75 B	4.5	75	500 kHz	Triax Lemo/Fischer	Fe/NFe
SU2M2.5Dx25-75 B	2.5	75	2 MHz	Triax Lemo/Fischer	NFe
SU2M3Dx25-75 B	3	75	2 MHz	Triax Lemo/Fischer	NFe
SU6M2.5Dx25-75 B	2.5	75	6 MHz	Triax Lemo/Fischer	NFe

SU 200K 3D x 25 - 75 B (Sh)  
1 2 3 4 5 6

1. SU – surface probe for surface flaws detection.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Probe tip diameter, mm.
4. Shaft size, mm.
5. Probe length, mm. Standard length of 75 mm (3") can be changed upon request.
6. Probe type designation: "B". "B" – Bridge type probe.  
Probes of standard type are manufactured unshielded. In case a shielded probe is required, when making an order, please indicate the letters "Sh" (Shielded) at the end of a designation code.

## 2. L-SHAPED EDDY-CURRENT PROBES

### 2.1. Right Angle Surface Probe (90° tip, handle angle 15°, Single / Single Shielded),



Designation	Tip $\varnothing$ 'D', mm	Drop length, mm	Length, mm	Centre Frequency	Connector	Material
SU200K5A15°4.5Dx6.4-105 S	4.5	6.4	105	200 kHz	Microdot	Fe/NFe
SU500K5A15°4.5Dx6.4-105 S	4.5	6.4	105	500 kHz	Microdot	Fe/NFe
SU500K5A15°4.5Dx12.7-105 S	4.5	12.7	105	500 kHz	Microdot	Fe/NFe
SU2M5A15°2.5Dx2.7-105 S	2.5	2.7	105	2 MHz	Microdot	NFe
SU2M5A15°3Dx2.7-105 S	3	2.7	105	2 MHz	Microdot	NFe
SU2M5A15°3Dx6.4-105 S	3	6.4	105	2 MHz	Microdot	NFe
SU2M5A15°3Dx12.7-105 S	3	12.7	105	2 MHz	Microdot	NFe
SU6M5A15°2.5Dx6.4-105 S	2.5	6.4	105	6 MHz	Microdot	NFe

**SU 200K 5A 15° 4.5D x 6.4 - 105 S(Sh)**  
**1 2 3 4 5 6 7 8**

1. SU – surface probe for surface flaws detection.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Drop angle of a sensing element to the probe axis "5A" is 90°.
4. Angle of a handle.
5. Probe tip diameter, mm
6. Drop length, mm
7. Probe length, mm. Standard length of 105 mm (4") can be changed upon request.
8. Probe type designation: "S". "S" – Single coil probe.

### 2.2. Right Angle Surface Probe (90° tip, Single / Single Shielded)

**Sensing element of eddy-current probe is placed at the angle of 90° to the handle axis.**



Designation	Tip $\varnothing$ 'D', mm	Drop length, mm	Length, mm	Centre Frequency	Connector	Material
SU200K5A4.5Dx6.4-105 S	4.5	6.4	105	200 kHz	Microdot	Fe/NFe
SU500K5A4.5Dx6.4-105 S	4.5	6.4	105	500 kHz	Microdot	Fe/NFe
SU500K5A4.5Dx12.7-105 S	4.5	12.7	105	500 kHz	Microdot	Fe/NFe
SU2M5A2.5Dx2.7-105 S	2.5	2.7	105	2 MHz	Microdot	NFe
SU2M5A3Dx2.7-105 S	3	2.7	105	2 MHz	Microdot	NFe
SU2M5A3Dx6.4-105 S	3	6.4	105	2 MHz	Microdot	NFe
SU2M5A3Dx12.7-105 S	3	12.7	105	2 MHz	Microdot	NFe
SU6M5A2.5Dx6.4-105 S	2.5	6.4	105	6 MHz	Microdot	NFe

**SU 200K 5A 4.5D x 6.4 - 105 S(Sh)**  
**1 2 3 4 5 6 7**

1. SU – surface probe for surface flaws detection.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Drop angle of a sensing element to the probe axis "5A" is 90°
4. Probe tip diameter, mm
5. Drop length, mm
6. Probe length, mm. Standard length of 105 mm (4") can be changed upon request.
7. Probe type designation: "S". "S" – Single coil probe.

Probes of standard type are manufactured unshielded. In case a shielded probe is required, when making an order, please indicate the letters "Sh" (Shielded) at the end of a designation code.

### 2.3. Right Angle Surface Probe (90° tip, Single / Single Shielded, Bridge type)

Sensing element of eddy-current probe is placed at the angle of 90° to the handle axis.



Designation	Tip $\varnothing$ 'D', mm	Drop length, mm	Length, mm	Centre Frequency	Connector	Material
SU200K5A4.5Dx6.4-105 B	4.5	6.4	105	200 kHz	Triax Lemo/Fischer	Fe/NFe
SU500K5A4.5Dx6.4-105 B	4.5	6.4	105	500 kHz	Triax Lemo/Fischer	Fe/NFe
SU500K5A4.5Dx12.7-105 B	4.5	12.7	105	500 kHz	Triax Lemo/Fischer	Fe/NFe
SU2M5A2.5Dx2.7-105 B	2.5	2.7	105	2 MHz	Triax Lemo/Fischer	NFe
SU2M5A3Dx2.7-105 B	3	2.7	105	2 MHz	Triax Lemo/Fischer	NFe
SU2M5A3Dx6.4-105 B	3	6.4	105	2 MHz	Triax Lemo/Fischer	NFe
SU2M5A3Dx12.7-105 B	3	12.7	105	2 MHz	Triax Lemo/Fischer	NFe
SU6M5A2.5Dx6.4-105 B	2.5	6.4	105	6 MHz	Triax Lemo/Fischer	NFe

SU 200K 5A 4.5D x 6.4 - 105 B(Sh)  
1 2 3 4 5 6 7

1. SU – surface probe for surface flaws detection.
  2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
  3. Drop angle of a sensing element to the probe axis "5A" is 90°.
  4. Probe tip diameter, mm.
  5. Drop length, mm.
  6. Probe length, mm. Standard length of 105 mm (4") can be changed upon request.
  7. Probe type designation: "B". "B" – Bridge type probe.
- Probes of standard type are manufactured unshielded. In case a shielded probe is required, when making an order, please indicate the letters "Sh" (Shielded) at the end of a designation code.

### 2.4. Angle Shaft Surface Probe (45° tip, Single / Single Shielded)

Sensing element of eddy-current probe is placed at the angle of 45° to the handle axis.



Designation	Tip $\varnothing$ 'D', mm	Drop length, mm	Length, mm	Centre frequency	Connector	Material
SU200K3A4.5Dx6.4-105 S	4.5	6.4	105	200 kHz	Microdot	Fe/NFe
SU500K3A4.5Dx6.4-105 S	4.5	6.4	105	500 kHz	Microdot	Fe/NFe
SU500K3A4.5Dx12.7-105 S	4.5	12.7	105	500 kHz	Microdot	Fe/NFe
SU2M3A2.5Dx2.7-105 S	2.5	2.7	105	2 MHz	Microdot	NFe
SU2M3A3Dx2.7-105 S	3	2.7	105	2 MHz	Microdot	NFe
SU2M3A3Dx6.4-105 S	3	6.4	105	2 MHz	Microdot	NFe
SU2M3A3Dx12.7-105 S	3	12.7	105	2 MHz	Microdot	NFe
SU6M3A2.5Dx6.4-105 S	2.5	6.4	105	6 MHz	Microdot	NFe

SU 200K 3A 4.5D x 6.4 - 105 S(Sh)  
1 2 3 4 5 6 7

1. SU – surface probe for surface flaws detection.
  2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
  3. Drop angle of a sensing element to the probe axis "3A" is 45°.
  4. Probe tip diameter, mm.
  5. Drop length, mm.
  6. Probe length, mm. Standard length of 105 mm (4") can be changed upon request.
  7. Probe type designation: "S". "S" – Single coil probe.
- Probes of standard type are manufactured unshielded. In case a shielded probe is required, when making an order, please indicate the letters "Sh" (Shielded) at the end of a designation code.

### 3. Surface MDF-Type Probes (Multi-Differential)

The probe sensing element is located form the butt-end relative to the probe X-axis.



Designation mm	Tip $\varnothing$ 'D', mm	Length, mm	Centre frequency	Connector	Material	Defects under paint coating	Subsurface defects	Protective housing
SS1.5M05DA0	5	35	1,5 MHz	Lemo 04	Fe/NFe	up to 0.3 mm	-	-
SS650K06DA0	6	35	650 kHz	Lemo 04	Fe/NFe	up to 0.5 mm	-	-
SS400K07DA0	7	35	400 kHz	Lemo 04	Fe/NFe	up to 0.5 mm	-	-
SS400K08DA0	8	35	400 kHz	Lemo 04	Fe/NFe	up 0.5 mm	-	-
SS340K09DA0	9	35	340 kHz	Lemo 04	Fe/NFe	up to 1 mm	-	+
SS170K13DA0	13	35	170 kHz	Lemo 04	Fe/NFe	up to 7 mm	+	+
SS50K15DA0	15	50	50 kHz	Lemo 04	Fe/NFe	up to 9 mm	+	-
SS25K33DA0	33	50	25 kHz	Lemo 04	Fe/NFe	up to 12 mm	+	-

- SS**      **1.5M**      **05D**      **A**      **X**  
**1**        **2**        **3**        **4**        **5**
1. SS – subsurface probe for surface and subsurface defects detection.
  2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range
  3. Probe tip diameter, mm.
  4. Probe type designation "A". "A" – Absolute.
  5. Probe modification number.