

## 4. EDDY-CURRENT SURFACE WELD PROBES

### 4.1. Straight Weld Probe (Bridge)



Designation	Tip $\varnothing$ 'D', in/mm	Length, mm	Frequency kHz	Connector	Material	Defects under paint coating	Subsurface defects
WLD100K3x.2DA0	.2/5.1	75	100-1000	Lemo 04	Fe	up to 0.3 mm	+
WLD100K3x.35DA0	.35/8.9	75	100-1000	Lemo 04	Fe	up to 0,5 mm	+
WLD100K3x.43DA0	.43/10.9	75	100-1000	Lemo 04	Fe	up to 0,5 mm	+
WLD100K3x.63DA0	.63/16	75	100-600	Lemo 04	Fe	up to 1 mm	+
WLD100K3x1DA0	1/25.4	75	100-600	Lemo 04	Fe	up to 1.5 mm	+

WLD 100K 3 x .63D A 0  
1 2 3 4 5 6

1. WLD – weld probe for weld joints testing.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Probe length, in. Standard length 3" (75 mm), by default the size is specified in inches.

4. The probe tip diameter, inches.
5. Probe type designation "A". "A" – Absolute.
6. Probe modification number.

### 4.2. Right Angle Weld Probe (90° tip, Inline, Bridge)



Designation	Tip $\varnothing$ 'D', in/mm	Length, mm	Frequency kHz	Connector	Material	Defects under paint coating	Subsurface defects
WLD100K5A.5x2-.2DA0	.2/5	50	100-1000	Lemo 04	Fe	up to 0.3 mm	+
WLD100K5A.5x2-.35DA0	.35/8.9	50	100-1000	Lemo 04	Fe	up to 0.5 mm	+
WLD100K5A.5x2-.43DA0	.43/10.9	50	100-1000	Lemo 04	Fe	up to 1.5 mm	+
WLD100K5A.5x2-.63DA0	.63/16	50	100-600	Lemo 04	Fe	up to 1 mm	+
WLD100K5A.5x2.5-1DA0	1/25.4	65	100-600	Lemo 04	Fe	up to 1.5 mm	+

WLD 100K 5A .5 x 2 - .63D A 0  
1 2 3 4 5 6 7 8

1. WLD – weld probe for welds testing.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Drop angle of sensing element.
4. Drop length, inches.
5. Probe length, inches. Can be changed

6. Probe tip diameter, inches.
7. Probe type designation "A". "A" – Absolute.
8. Probe modification number.

### 4.3. Right Angle Weld Probe (90° tip, Transverse, Bridge)



Designation	Tip $\varnothing$ 'D', in/mm	Length, mm	Frequency kHz	Connector	Material	Defects under paint coating	Subsurface defects
WLD100K5A.5x2-.2DAT0	.2/5	50	100-1000	Lemo 04	Fe	up to 0.3 mm	+
WLD100K5A.x2-.35DAT0	.35/8.9	50	100-1000	Lemo 04	Fe	up to 0.5 mm	+
WLD100K5A.5x2-.43DAT0	.43/10.9	50	100-1000	Lemo 04	Fe	up to 0.5 mm	+
WLD100K5A.5x2-.63DAT0	.63/16	50	100-600	Lemo 04	Fe	up to 1 mm	+
WLD100K5A.5x2.5-1DAT0	1/25.4	65	100-600	Lemo 04	Fe	up to 1.5 mm	+

WLD 100K 5A .5 x 2 - .63D AT 0  
1 2 3 4 5 6 7 8

1. WLD – weld probe for welds testing.
2. Probe frequency: "HZ" designates the Hz range; "K" designates the kHz range; "M" designates the MHz range.
3. Drop angle of sensing element.
4. Drop length, inches.
5. Probe length, inches. Can be changed upon request.

6. Probe tip diameter, inches.
7. Probe type designation "AT". "A" – Absolute. "T" (Transverse) – designation of a transverse position of probe sensing element relative to the probe axis.
8. Probe modification number.

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