

5. 3. RSVR-04/SVR-05 Rotary scanner . Detection of cracks in holes.



A new family of SVR eddy current scanners is intended to be used with Eddycon eddy current flaw detectors.

The scanners can be operated at various speeds (600 to 3000 rpm) and frequencies (100 kHz to 6 MHz), for a wide range of applications. They are successfully used for testing of holes in aeronautical parts (both with and without fasteners), as well as for testing of wheel bolt holes, surfaces, cracks at a final production stage, inspection through several layers of aircraft skin, etc.

SPECIFICATIONS OF SVR-04/SVR-05 SCANNER

- Rotation speed _____ 600 to 3000 rpm
- Speed control _____ from instrument
- Frequency _____ 100 kHz to 6 MHz
- Probe connector _____ 4-pin Fischer with O-rings
- Probe type _____ Reflection
- Signal generation _____ by rotary probe
- Configuration _____ portable
- Orientation _____ without restraint
- ALARM _____ red LED on left panel of the scanner
- Cable connector _____ 12-pin LEMO (SVR-04)/16-pin LEMO (SVR-05)
- Dimensions (L x W x H) _____ 89 x 25 x 38 mm
- Weight _____ 0.11 kg.

5.2. Dynamic Rotating Bolt Hole Probe with Split Tip
(coils are positioned at right angles to the probe shaft length;
Differential Unshielded / Shielded)



Designation	Tip \varnothing 'D', mm	Working length (WL), mm	Length, mm	Frequency	Connector	Material
RO3,1-3,6x85 SD	3,1 - 3,6	45	85	200 kHz -3 MHz	4-pin Fischer connector (to Hocking, GE, Rohmann and Forester drive units, etc.)	Fe/NFe
RO3,6-4,1x85 SD	3,6 - 4,1	45	85	200 kHz -3 MHz		Fe/NFe
RO4,1-4,6x85 SD	4.1 - 4.6	45	85	200 kHz -3 MHz		Fe/NFe
RO4,6-5.1x85 SD	4.6 - 5.1	45	85	200 kHz -3 MHz		Fe/NFe
RO5,1-5,6x85 SD	5.1 - 5.6	45	85	200 kHz -3 MHz		Fe/NFe
RO5,6-6,1x85 SD	5.6 - 6.1	45	85	200 kHz -3 MHz		Fe/NFe
RO6.1-6.5x85 SD	6.1 - 6.5	45	85	200 kHz -3 MHz		Fe/NFe
RO6.5-7.5x85 SD	6.5 - 7.5	45	85	200 kHz -3 MHz		Fe/NFe
RO7.5-8.5x85 SD	7.5 - 8.5	45	85	200 kHz -3 MHz		Fe/NFe
RO8.5-9.5x85 SD	8.5 - 9.5	45	85	200 kHz -3 MHz		Fe/NFe
RO9.5-10.5x85 SD	9.5 - 10.5	45	85	200 kHz -3 MHz		Fe/NFe
RO10.5-11.5x85 SD	10.5 - 11.5	45	85	200 kHz -3 MHz		Fe/NFe
RO11.5-12.5x85 SD	11.5 - 12.5	45	85	200 kHz -3 MHz		Fe/NFe
RO12.5-13.5x85 SD	12.5 - 13.5	45	85	200 kHz -3 MHz		Fe/NFe
RO13.5-14.5x85 SD	13.5 - 14.5	45	85	200 kHz -3 MHz		Fe/NFe
RO14.5-15.5x85 SD	14.5 - 15.5	45	85	200 kHz -3 MHz		Fe/NFe
RO15.5-16.5x85 SD	15.5 - 16.5	45	85	200 kHz -3 MHz		Fe/NFe
RO16.5-17.5x85 SD	16.5 - 17.5	45	85	200 kHz -3 MHz		Fe/NFe
RO17.5-18.5x85 SD	17.5 - 18.5	45	85	200 kHz -3 MHz		Fe/NFe
RO18.5-19.5x85 SD	18.5 - 19.5	45	85	200 kHz -3 MHz		Fe/NFe
RO19.5-20.5x85 SD	19.5 - 20.5	45	85	200 kHz -3 MHz		Fe/NFe
RO20.5-21.5x85 SD	20.5 - 21.5	45	85	200 kHz -3 MHz		Fe/NFe
RO21.5-22.5x85 SD	21.5 - 22.5	45	85	200 kHz -3 MHz		Fe/NFe
RO22.5-23.5x85 SD	22.5 - 23.5	45	85	200 kHz -3 MHz		Fe/NFe
RO23.5-24.5x85 SD	23.5 - 24.5	45	85	200 kHz -3 MHz	Fe/NFe	
RO24.5-25.5x85 SD	24.5 - 25.5	45	85	200 kHz -3 MHz	Fe/NFe	

ROM **3.1-3.6** **x** **85** **SD (Sh)**
1 **2** **3** **4**

1. RO – dynamic rotating probe for bolt holes testing.
2. Range of hole size, mm.
3. Probe length, mm. Standard length of 45 mm (1,8") can be changed upon request. To be chosen based on the required working length ("WL").
4. Probe type designation: "SD".
 "S" (Split) – Split end delrin housing, flexible body made of delrin "D" (Differential)
 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.

5.4. Dynamic Rotating Bolt Hole Probe with Flexible Tip (coils are positioned at right angles to the probe shaft length; Differential Unshielded / Shielded)



Designation	Tip \varnothing 'D', mm	Working length (WL), mm	Length, mm	Frequency	Connector	Material
RO3.1-3.6x100 FD	3,1 - 3,6	40	100	200 kHz -3 MHz	4-pin Fischer connector (to Hocking, GE, Rohmann and Forester drive units, etc.)	Fe/NF _x
RO3.6-4.1x100 FD	3,6 - 4,1	40	100	200 kHz -3 MHz		Fe/NFe
RO4.1-4.6x100 FD	4.1 - 4.6	40	100	200 kHz -3 MHz		Fe/NFe
RO4.6-5.1x105 FD	4.6 - 5.1	40	105	200 kHz -3 MHz		Fe/NFe
RO5.1-5.6x105 FD	5.1 - 5.6	45	105	200 kHz -3 MHz		Fe/NFe
RO5.6-6.1x105 FD	5.6 - 6.1	45	105	200 kHz -3 MHz		Fe/NFe
RO6.1-6.5x105 FD	6.1 - 6.5	45	105	200 kHz -3 MHz		Fe/NFe
RO6.5-7.5x110 FD	6.5 - 7.5	45	110	200 kHz -3 MHz		Fe/NFe
RO7.5-8.5x120 FD	7.5 - 8.5	45	120	200 kHz -3 MHz		Fe/NFe
RO8.5-9.5x120 FD	8.5 - 9.5	45	120	200 kHz -3 MHz		Fe/NFe
RO9.5-10.5x120 FD	9.5 - 10.5	45	120	200 kHz -3 MHz		Fe/NFe
RO10.5-11.5x120 FD	10.5 - 11.5	45	120	200 kHz -3 MHz		Fe/NFe
RO11.5-12.5x120 FD	11.5 - 12.5	45	120	200 kHz -3 MHz		Fe/NFe
RO12.5-13.5x120 FD	12.5 - 13.5	45	120	200 kHz -3 MHz		Fe/NFe
RO13.5-14.5x120 FD	13.5 - 14.5	45	120	200 kHz -3 MHz		Fe/NFe
RO14.5-15.5x120 FD	14.5 - 15.5	45	120	200 kHz -3 MHz		Fe/NFe
RO15.5-16.5x120 FD	15.5 - 16.5	45	120	200 kHz -3 MHz		Fe/NFe
RO16.5-17.5x120 FD	16.5 - 17.5	45	120	200 kHz -3 MHz		Fe/NFe
RO17.5-18.5x120 FD	17.5 - 18.5	45	120	200 kHz -3 MHz		Fe/NFe
RO18.5-19.5x120 FD	18.5 - 19.5	45	120	200 kHz -3 MHz		Fe/NFe
RO19.5-20.5x120 FD	19.5 - 20.5	45	120	200 kHz -3 MHz		Fe/NFe
RO20.5-21.5x120 FD	20.5 - 21.5	45	120	200 kHz -3 MHz		Fe/NFe
RO21.5-22.5x120 FD	21.5 - 22.5	45	120	200 kHz -3 MHz		Fe/NFe
RO22.5-23.5x120 FD	22.5 - 23.5	45	120	200 kHz -3 MHz		Fe/NFe
RO23.5-24.5x120 FD	23.5 - 24.5	45	120	200 kHz -3 MHz		Fe/NFe
RO24.5-25.5x120 FD	24.5 - 25.5	45	120	200 kHz -3 MHz	Fe/NFe	

RO **3.1-3.6** **x** **100** **FD (Sh)**
1 **2** **3** **4**

- RO – dynamic rotating probe for bolt holes testing.
 - Range of hole size, mm.
 - Probe length, mm. Standard length of 45 mm (1,8”) can be changed upon request. To be chosen based on the required working length (“WL”).
 - Probe type designation: “FD”
“F” (Flexible) – Flexible end delrin housing flexible body made of delrin,
“D” (Differential).
- 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.

5.5. Dynamic Rotating Rigid Probe (with stainless steel housing) for bolt holes testing (coils are positioned at right angles to the probe shaft length, Differential Unshielded/Shielded)



Designation	Tip \varnothing 'D', in (mm)	Working length (WL), mm	Length, mm	Frequency	Connector	Material
RO3.18x85 RD	1/8" (3.18)	45	85	200 kHz -3 MHz	4-pin Fischer connector (to Hocking, GE, Rohmann and Forester drive units, etc.)	Fe/NFe
RO3.57x85 RD	9/64" (3.57)	45	85	200 kHz -3 MHz		Fe/NFe
RO3.97x85 RD	5/32" (3.97)	45	85	200 kHz -3 MHz		Fe/NFe
RO4.37x85 RD	11/64" (4.37)	45	85	200 kHz -3 MHz		Fe/NFe
RO4.76x85 RD	3/16" (4.76)	45	85	200 kHz -3 MHz		Fe/NFe
RO5.16x85 RD	13/64" (5.16)	45	85	200 kHz -3 MHz		Fe/NFe
RO5.56x85 RD	7/32" (5.56)	45	85	200 kHz -3 MHz		Fe/NFe
RO5.95x85 RD	15/64" (5.95)	45	85	200 kHz -3 MHz		Fe/NFe
RO6.35x85 RD	1/4" (6.35)	45	85	200 kHz -3 MHz		Fe/NFe
RO6.75x85 RD	17/64" (6.75)	45	85	200 kHz -3 MHz		Fe/NFe
RO7.14x85 RD	9/32" (7.14)	45	85	200 kHz -3 MHz		Fe/NFe
RO7.54x85 RD	19/64" (7.54)	45	85	200 kHz -3 MHz		Fe/NFe
RO7.94x85 RD	5/16" (7.94)	45	85	200 kHz -3 MHz		Fe/NFe
RO8.33x85 RD	13/64" (8.33)	45	85	200 kHz -3 MHz		Fe/NFe
RO8.73x85 RD	11/32" (8.73)	45	85	200 kHz -3 MHz		Fe/NFe
RO9.13x85 RD	23/64" (9.13)	45	85	200 kHz -3 MHz		Fe/NFe
RO9.52x85 RD	3/8" (9.52)	45	85	200 kHz -3 MHz		Fe/NFe
RO9.92x85 RD	25/64" (9.92)	45	85	200 kHz -3 MHz		Fe/NFe
RO10.32x85 RD	13/32" (10.32)	45	85	200 kHz -3 MHz		Fe/NFe
RO10.72x85 RD	27/64" (10.72)	45	85	200 kHz -3 MHz		Fe/NFe
RO11.11x85 RD	7/16" (11.11)	45	85	200 kHz -3 MHz		Fe/NFe
RO11.51x85 RD	29/64" (11.51)	45	85	200 kHz -3 MHz		Fe/NFe
RO11.91x85 RD	15/32" (11.91)	45	85	200 kHz -3 MHz		Fe/NFe
RO12.30x85 RD	31/64" (12.30)	45	85	200 kHz -3 MHz		Fe/NFe
RO12.70x85 RD	1/2" (12.70)	45	85	200 kHz -3 MHz		Fe/NFe
RO13.10x85 RD	33/64" (13.10)	45	85	200 kHz -3 MHz		Fe/NFe
RO13.49x85 RD	17/32" (13.49)	45	85	200 kHz -3 MHz		Fe/NFe
RO13.89x85 RD	35/64" (13.89)	45	85	200 kHz -3 MHz		Fe/NFe
RO14.29x85 RD	9/16" (14.29)	45	85	200 kHz -3 MHz		Fe/NFe
RO14.68x85 RD	37/64" (14.68)	45	85	200 kHz -3 MHz		Fe/NFe
RO15.08x85 RD	19/32" (15.08)	45	85	200 kHz -3 MHz		Fe/NFe
RO15.48x85 RD	39/64" (15.48)	45	85	200 kHz -3 MHz		Fe/NFe
RO15.88x85 RD	5/8" (15.88)	45	85	200 kHz -3 MHz	Fe/NFe	
RO16.27x85 RD	41/64" (16.27)	45	85	200 kHz -3 MHz	Fe/NFe	
RO16.67x85 RD	21/32" (16.67)	45	85	200 kHz -3 MHz	Fe/NFe	
RO17.07x85 RD	43/64" (17.07)	45	85	200 kHz -3 MHz	Fe/NFe	
RO17.46x85 RD	11/16" (17.46)	45	85	200 kHz -3 MHz	Fe/NFe	
RO17.86x85 RD	45/64" (17.86)	45	85	200 kHz -3 MHz	Fe/NFe	
RO18.26x85 RD	23/32" (18.26)	45	85	200 kHz -3 MHz	Fe/NFe	
RO18.65x85 RD	47/64" (18.65)	45	85	200 kHz -3 MHz	Fe/NFe	
RO19.05x85 RD	3/4" (19.05)	45	85	200 kHz -3 MHz	Fe/NFe	
RO19.45x85 RD	49/64" (19.45)	45	85	200 kHz -3 MHz	Fe/NFe	
RO19.84x85 RD	25/32" (19.84)	45	85	200 kHz -3 MHz	Fe/NFe	
RO20.24x85 RD	51/64" (20.24)	45	85	200 kHz -3 MHz	Fe/NFe	
RO20.64x85 RD	13/16" (20.64)	45	85	200 kHz -3 MHz	Fe/NFe	
RO21.03x85 RD	53/64" (21.03)	45	85	200 kHz -3 MHz	Fe/NFe	
RO21.43x85 RD	27/32" (21.43)	45	85	200 kHz -3 MHz	Fe/NFe	
RO21.83x85 RD	55/64" (21.83)	45	85	200 kHz -3 MHz	Fe/NFe	
RO22.23x85 RD	7/8" (22.23)	45	85	200 kHz -3 MHz	Fe/NFe	
RO22.62x85 RD	57/64" (22.62)	45	85	200 kHz -3 MHz	Fe/NFe	
RO23.02x85 RD	29/32" (23.02)	45	85	200 kHz -3 MHz	Fe/NFe	
RO23.42x85 RD	59/64" (23.42)	45	85	200 kHz -3 MHz	Fe/NFe	
RO23.81x85 RD	15/16" (23.81)	45	85	200 kHz -3 MHz	Fe/NFe	
RO24.21x85 RD	61/64" (24.21)	45	85	200 kHz -3 MHz	Fe/NFe	
RO24.61x85 RD	31/32" (24.61)	45	85	200 kHz -3 MHz	Fe/NFe	
RO25.00x85 RD	63/64" (25.00)	45	85	200 kHz -3 MHz	Fe/NFe	
RO25.40x85 RD	1 (25.40)	45	85	200 kHz -3 MHz	Fe/NFe	

RO 3.18 x 85 RD (Sh)
1 2 3 4

1. RO - dynamic rotating probe for bolt holes testing.
 2. Range of hole size, mm.
 3. Probe length, mm. Standard length of 45 mm (1.8") can be changed upon request. To be chosen based on the required working length ("WL").
 4. Probe type designation: "RD". "R" (Rigid) – rigid metal housing made of stainless steel, "D" (Differential).
 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.

5.6. Dynamic Rotating Countersink Probe (100° angle of chamfer, Differential Unshielded / Shielded)



Designation	Guide hole diameter "D", mm/inch	Countersink angle, degr.	Length, mm	Frequency	Connector	Material
RCP-100° - 3.17	3.17/.125	100	64	200 kHz -3 MHz	4-pin Fischer connector (to Hocking, GE, Rohmann and Forester drive units)	Fe/NFe
RCP-100° - 3.96	3.96/.156	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 4	4/.157	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 4.75	4.75/.187	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 5	5/.197	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 6	6/.236	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 6.34	6.34/.25	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 7	7/.276	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 7.92	7.92/.312	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 9	9/.354	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 9.52	9.52/.375	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 11	11/.433	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 11.09	11.09/.437	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 12.69	12.69/.5	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 13	13/.512	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 14.26	14.26/.562	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 15	15/.59	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 15.86	15.86/.625	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 17.44	17.44/.687	100	64	200 kHz -3 MHz		Fe/NFe
RCP-100° - 19.03	19.03/.75	100	64	200 kHz -3 MHz	Fe/NFe	

RCP - 100° - 3.17 (SS/Sh)
 1 2 3 4

1. RCP – dynamic rotating probe for hole countersinks testing.
2. Countersink angle, degr.
3. Range of hole size, mm.
4. Guide hole diameter, mm.
5. The housing of a standard probe is made of delrin; in case a stainless steel housing is required, please indicate the letters "SS" (Stainless Steel) at the end of a probe designation code in your order. 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.
 It is possible to manufacture the probes for countersink testing with other angles. For this, the required countersink angle should be specified in the order.