

Compact EC15 rotor

Compact high-performance rotor for the non-contact testing of round materials, such as wires, rods and pipes with dimensions ranging from 1.5 – 15 mm, are able to pass through it.

Constructed in a high-strength anodized aluminum housing, this rotor serves to record longitudinal and transverse defects with longitudinal components starting from a defect depth of 20 μ .

Its compact construction allows the rotor to be very easily integrated into existing test tracks or transport lines. The median throughput height is 35 mm.

The fixed RD rotor or adjustable RDE rotor test nozzles are available for testing the entire dimensional range from 1.5 – 15 mm.

The width of the test track will be defined by sensors adapted according to the task definition.

The rotor with dirt protection (labyrinth seal), precision bearings and non-contact, maintenance-free test signal transmitters is operated at 3,000 rpm. It is driven by a 24-volt motor.



Rotor EC15

Technical data:

Rotor speed: 3,000 rpm (optionally 6,000 rpm)

Testing diameter: 1.5 mm – 15 mm depending on model

Drive: 24V/9 A

Material Gehäuse: anodized high-strength aluminum

Optional:

Base plate for installation; protection nozzle with retainers; customer-specific customizations

Guiding nozzles: Peek, high-strength and temperature-resistant, centering and ball centering
installation and disassembly do not require tools

Probes: depending upon the testing task

Versions: 1.) Test probe 1 – 1 channel with A compensation
2.) Test probes 1 and 2 – 2 channels without A compensation

Dimensions: L= 120 mm, B= 70 mm, H= 138 mm