



# Ultrasonic rail inspection device Rail Road Runner (RRR)

Technical Datasheet

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Rail Road Runner - the ultrasonic rail inspection device for short rail sections, turnouts, crossings and railway stations. RRR detects irregularities and internal material defects, displays them in real time and provides permanent documentation of the rail's condition. Ideal for rail network operators, railway infrastructure businesses and service providers.

## General Data/ Technical Data

### Rugged Tablet -PC IP65 MIL-STD-810G with a 10.1" screen

- Easy to remove for use in the office
- User interface with intuitive touch-screen
- Day and night mode
- Eagle view allows quick zoom in and zoom out
- Can be used and read easily in all weather conditions and at night

### Powerful 12-channel ultrasonic pulser system and ultrasonic roller search unit with 9 ultrasonic probes

- Six 70° probes (3 forward and 3 reverse) for the running edge, middle of the rail and field side
- Two 40° probes (1 forward and 1 reverse)
- One 0° probe

### Multiple ultrasonic views

- A-Scan diagrams of all 9 ultrasonic probes in one view
- B-Scan diagrams of all 9 ultrasonic probes in one view
- Detailed A-Scan of one probe and thumb views of all the other 8 probes in one view
- A-B-Scans
- Echo dynamic

### Easy to use

- SQ 3000 (optional) to examine welds, forgings and rail defects without the trolley
- Lightweight due to its carbon fiber construction
- Low couplant-water consumption thanks to software-controlled valves
- Greater operating distances thanks to its battery management system
- Sets up and dismantles easily and quickly
- Suitable for both right- and left-handers
- Innovative guiding device for exact positioning in both forward and backward operation
- Telescopic arm (optional) for ease of use and optimum testing quality on different track gauges
- Several RRRs can be easily transported in one road vehicle

## Vossloh Service

- Sales
- Training and practical instruction
- Analysis of your data and writing up test reports
- Annual equipment testing
- System check-ups
- Spare parts service
- Repair service
- Rail inspections

## Homologations

The RRR's conformity is approved by the DakkS accredited expert organization of DB Systemtechnik on the basis of the following norms and regulations DIN EN:

- ISO/IEC 17000
- DIN EN ISO/IEC 17020
- DB Ril 821.2007:2012-01 und Z60:2010-10
- EN 16729-1:2016

## Optional extra services

- Customer training at the Vossloh training center
- Web-based analysis of data recorded by the client
- Field management
- Maintenance and supply of replacement parts