



# RAILWAY SCALE 14-64 DYNAMIC

The system dynamically weighs trainsets in motion, whether pulled or pushed (typically at speeds up to 10 km/h). The weighing is performed while the train is moving, with each wagon's weight recorded as the sum of two axles/bogies.

The system ensures excellent stability and high reliability, built on a proven design that has been refined over time and uses high-quality components.

It automatically detects wagon type, train direction, number of wagons, and speed. Locomotives are automatically excluded to ensure accurate reporting. The system, completely free of moving parts, is cost-effective and easy to maintain and calibrate according to OIML regulations.

The scale is installed directly on the ballast bed without the need for a concrete foundation, which significantly simplifies and shortens the installation process. The weighing modules are delivered preassembled, ready for placement and connection.

- » Robust and compact design – all-steel construction with outstanding strength and precision
- » No pit or concrete required – installed directly on the railway bed
- » Quick installation and commissioning – typically completed within two working days
- » FLINTAB support – our technicians assist during installation
- » Low-profile design – only 34 cm structural depth below the sleeper
- » Modular design – complete weighing bridge delivered ready for assembly
- » Easy maintenance – all components, including load cells, are accessible from ground level
- » Factory tested – delivered tested and ready for installation and commissioning

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## THE SYSTEM CONSISTS OF THE FOLLOWING SUBFUNCTIONS:

The weighing bridge consists of a steel module with four load cells.

- » Capacity: (load on the scale at one time) 60.00 tons
- » Weighbridge length: 8200 mm (2000 mm inactive + 4200 mm active + 2000 mm inactive)

### Wagon identification equipment

- » Wagon identification is carried out using dual sensors at both ends of the scale. These sensors are completely maintenance-free and easy to install.

### Weighing equipment

The weighing equipment consists of a weighing instrument responsible for weighing, analyzing, and recording weighing data. The information is displayed on a touchscreen with a clear and user-friendly operator interface for easy monitoring and control of the process.

The system records, among other things, the train's total weight, individual wagon weights, speed, as well as date and time. The weighing process is fully automatic, and all equipment is housed in a robust ground cabinet located next to the scale.

