



Dynamic wheel impact load control system



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WILOC determines the wheel loads of multiple and articulated trains also of single wagons and locomotive before they will be put into circulation.

In combination with a measuring track, geometric logs, wheel loads, axle loads and vehicle mass can be defined.

WILOC is a powerful instrument used by railway car manufacturers and maintenance workshops.

Technical Data:

Max. axle load	30t
OIML R 106-1, classes	0.2, 0.5, 1, 2
Temperature range	-30°C – +70°C
Scale interval	20kg, 50kg, 100kg, 200kg
Weighing speed	0 – 30km/h
Passing speed	unlimited
Measuring direction	both
Rail profile type	all
Roadway	gravel, fixed or elevated
Conformity	DIN 27201, DIN 27202, EN 15654, DIN EN 50215

Features

- Automatic dynamic weighing procedure for whole composition or single wagon
- Database with records of wheel and axle loads, vehicle mass, number of axles, speed, etc.
- Customized measurement procedure
- No gap between the track and the measuring rails
- Legally approved for commercial application
- Combinable with IDENT, automatic wagon identification

Components

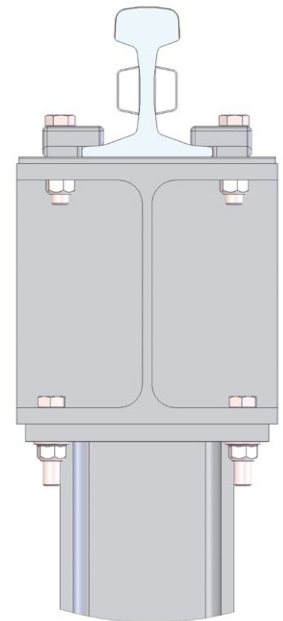
- Two rails equipped with sensors
- Electronic interface for signal processing
- PC for data processing, display, printer
- Measurement software WILOC

Installation

The Sensors can be mounted on an existing track section or be welded as measuring bars in the track leaving no gap between them. The measuring bars are protected by a heavy steel cover against shock, dust and moisture. The complete installation is shielded against thermal and electro-magnetic influences.



WILOC on elevated measuring track



WILOC design example

