

# SKF Insight Rail

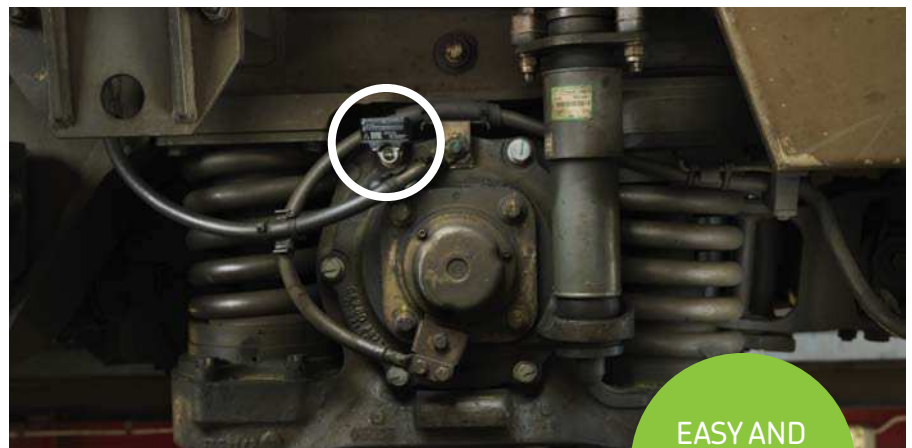
A wireless and self-powered Condition Monitoring System with an associated remote analysis service for passenger rail train bogies

## Main features

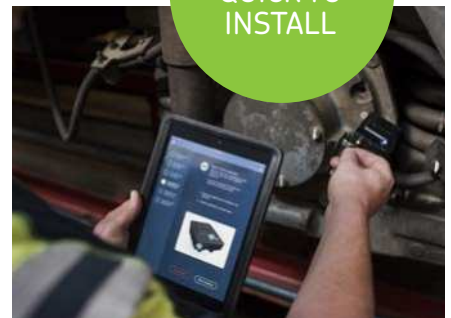
- Easy and quick to install
- Fully wireless
- No on-coach installation
- Certified for railway applications
- User friendly interface

## Main benefits

- Eliminate failure-prone outliers in the field before they develop into an unplanned maintenance issue
- Optimize maintenance scheduling based on real conditions in the field
- Extend maintenance intervals significantly reducing the maintenance cost and life cycle cost (LCC)



EASY AND QUICK TO INSTALL



## Measurements

- Acceleration 3 Hz – 10 kHz up to 60 G
- SKF Acceleration Enveloping
- Temperature
- Wheel Speed

## Data Acquisition

- Configurable samples/FFT line resolution
- GPS/GNSS satellite positioning

## Wireless Communication

- 3G radio communications: 900/2100 UMTS bands – Europe
- 2G radio communications: 900/1800 UMTS bands – Europe
- “Soft SIM” card pre-programmed with IoT data service

## Physical

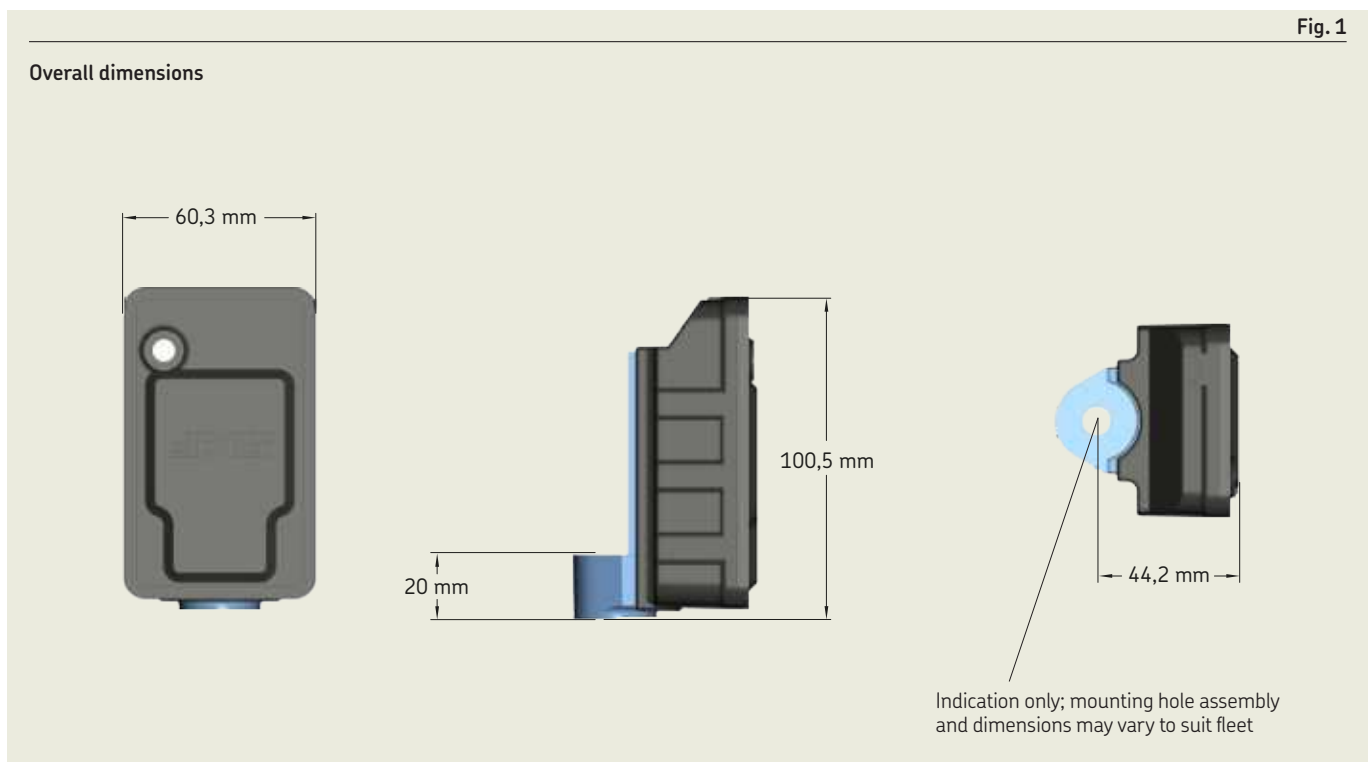
- Dimensions (**Fig. 1**)
- Direct mount to existing axlebox bolt-hole
- Case Material: rugged thermoplastic with alloy mounting base

## Environmental

- Operating Temperature -40 °C to +85 °C
- Sealing: IP 66
- Compliant to Railway standards for vibration, temperature, shock, noise, humidity, salt mist, fire and smoke.

## Power

- Lithium-thionyl chloride battery pack
- Battery life > 3 years based on typical measurement and upload cycle.



[skf.com](http://skf.com)

© SKF is a registered trademark of the SKF Group. | ™ SKF Insight is a trademark of the SKF Group.

© SKF Group 2017

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB 42/S7 17140/2 EN · July 2017

For more information please contact your local SKF sales representative.