

# ConeX3 Primary Conical Spring

SMART PRODUCTS FOR A DIGITAL FUTURE

Trelleborg Antivibration Solutions make improvements people can feel physically. From smoother travel to a quieter, more efficient machine we make life feel better. With quality, testing and compliance built in, our customers can have the confidence they're dealing with a true partner that understands their challenges and will ensure their people and passengers have never felt better.

We're always looking for a new challenge so why not get in touch? Or visit us at trelleborg.com/en/anti-vibration-solutions

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# ConeX3

# **SMART PRODUCTS FOR A DIGITAL FUTURE**

We combine high quality materials and dynamic measurement data with the expert knowledge of our rail engineering specialists. The ConeX3 measuring system for conical springs. Measuring set / creep (static) and 3D deflections (dynamic) of conical primary springs in railway applications.

The advantages of monitoring Bogie components:

- Prominent position for measuring operational loads
- Economical way of gathering real-life load collectives (e.g. for further development and adaption of maintenance intervals)
- Predict malfunctions also of other components in the bogie (wheel flats, bearings, dampers, bushes, etc.)

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BEING ON TRACK NEVER FELT BETTER.

# **Primary Spring**

Performance characteristics unaffected by sensor integration

# **Sensor PCB**

3D deflection measurement system

# **Base Plate**

Design allows assembly to be retrofitted without modifications to installation space

- Automated conditionmonitoring
- Real-time track condition information
- Predictive maintenance
- Reduction of downtime