

## Technology you can trust...

Trelleborg IAVS recognises that the strength of its brand portfolio lies in its ability to work in partnership with the customer. Focused on advanced technology and design TIAVS provides the knowhow, skill and specialist expertise to provide solutions and intelligent innovation to support your organization; cost effective designs that are built for endurance and give you the advantage.

We work to understand the environments in which you operate and the product performance each environment dictates. The assurance we give is that you can be confident our products will perform in the most extreme situations.

In close co-operation with our customers the R&D team is constantly working to improve durability, extend product service life and optimise design. TIAVS use state of the art FMEA and simulation techniques to enable us to assess and overcome future challenges. Constantly looking at new and alternative materials Trelleborg aims to advance polymer technology and generate improved products, designed to meet the life expectancy and environmental demands of our global customer base.



Tel: +44 131 338 6115  
 Fax: +44 131 338 6712  
[www.trelleborg.com](http://www.trelleborg.com)



### Contact:

#### ▼ Design and Manufacturing:

Trelleborg IAVS  
 1 Hoods Close  
 Leicester  
 LE4 2BN  
 Tel: +44 116 267 0300  
 E-mail: [rail@trelleborg.com](mailto:rail@trelleborg.com)  
[www.trelleborg.com](http://www.trelleborg.com)

#### ▼ Customer Contact Centre

Westpoint,  
 4 Redheugs Rigg  
 South Gyle  
 GB-Edinburgh EH12 9DQ

Trelleborg Automotive UK Ltd.  
 Registered in England No. 3847966.

Registered Office:  
 Ashchurch, Tewkesbury  
 Gloucestershire, GL20 8JS.  
 A subsidiary of Trelleborg Holdings UK Ltd.

[www.trelleborg.com](http://www.trelleborg.com)

## Trelleborg Industrial Antivibration Systems



GLOBAL RAIL SOLUTIONS

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SAFETY & COMFORT

PERFORMANCE & RELIABILITY

## Polymer Solutions in Partnership

Trelleborg is a global industrial group exclusively focused on polymer technologies. Operating in 40 countries, employing over 22,000 people and with annual sales of approximately €3 billion, Trelleborg consists of four business areas: Trelleborg Automotive, Trelleborg Engineered Systems, Trelleborg Sealing Solutions and Trelleborg Wheel Systems. Individually each Business Area contains specialised product and process knowledge, collectively they provide market oriented, customer focused solutions.

## SAFETY & COMFORT PERFORMANCE & RELIABILITY

## Quality & Reliability

Trelleborg understands that quality, reliability and safety are of paramount importance in the railway industry. We believe there is no substitute for experience. Trelleborg manufactures and markets the Metalastik® brand, one of the most globally successful brands in the industry. Metalastik® has a pioneering heritage of design innovation and engineering excellence that spans almost over 70 years.

### Trelleborg Industrial Anti Vibration Systems (TIAVS)

TIAVS is a world leader in the design and manufacture of rubber to metal bonded components for noise and vibration isolation in engine mounting and suspension systems.

TIAVS specialises in heavy duty antivibration systems for rail, truck, marine, off highway, power generation and industrial applications. The head office is located in a modern, £10 million plant in Leicester, UK, while production is divided between Leicester, Sjöbo in Sweden, China and India. All plants are approved to ISO:9001:2000 and ISO 14001. Leicester also houses the main technical center and extensive research and development facilities.

Today Trelleborg provides advanced vibration control and suspension solutions for locomotives, high speed passenger trains, underground trains, freight wagons, trams and light rail systems throughout the world.

### GLOBAL RAIL

### Forging the Future of Antivibration Technology

Our product portfolio is extensive and expanding. We supply all applications from trams and light rail to heavy freight locomotives.

#### Secondary Suspension Systems

- ▼ Airspring Systems
- ▼ Hourglass Bearer Springs
- ▼ Chevron Bearer Springs
- ▼ Laminate Bearer Springs

#### Primary Suspension Systems

- ▼ Chevrons
- ▼ Metacones
- ▼ Offset Sandwich Mounts
- ▼ Composite Coil Springs

#### Power & Transmission

- ▼ Locomotive Engine Mounting Systems
- ▼ Underframe Engine Mounting Systems
- ▼ Power Pack Raft Mounting Systems
- ▼ Cooler Pack Mounting Systems
- ▼ Electric Motor & Transformer Mounting Systems
- ▼ Drive Couplings

#### Bogie Components & Ancillaries

- ▼ Exhaust Mounting Systems
- ▼ HVAC Mounting Systems
- ▼ Control Panel Mounting Systems
- ▼ Trackside Control Mounting Systems
- ▼ Centre Pivot Bearings
- ▼ Swing Arm Bushes
- ▼ Control Links, Buffers
- ▼ Resilient Wheel Elements

### Applied Solutions

We have a selection of ready designed solutions but we specialise in purpose-driven design, bespoke solutions to resolve specific noise and vibration problems.

### Trelleborg IAVS : Brands

- ▼ Metalastik® rail and marine
- ▼ TrelExtreme® off-highway
- ▼ Novibra® industrial & power generation
- ▼ Dowty® military applications

Trelleborg Industrial -AVS specialises in the design, application and manufacture of rubber to metal bonded engineered products, antivibration mountings and suspension components. We manufacture and market the Metalastik® product range, one of the world's leading brands in antivibration technology - a brand synonymous with safety, longevity and reliability.

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