

HI-TEC

VIBRATION DAMPERS &
BOGIE COMPONENTS



» PRODUCT RANGE & SERVICES

VIBRATION DAMPERS FOR ROLLING STOCK

HI-TEC supplies vibration dampers from various manufacturers as well as bogie components.

All of our dampers are designed for long-term quality, allowing these products to be used and re-used over many years. We can also put together client-specific vibration dampers, with our 'Make to Order' production guaranteeing short and flexible delivery times.



» HI-TEC

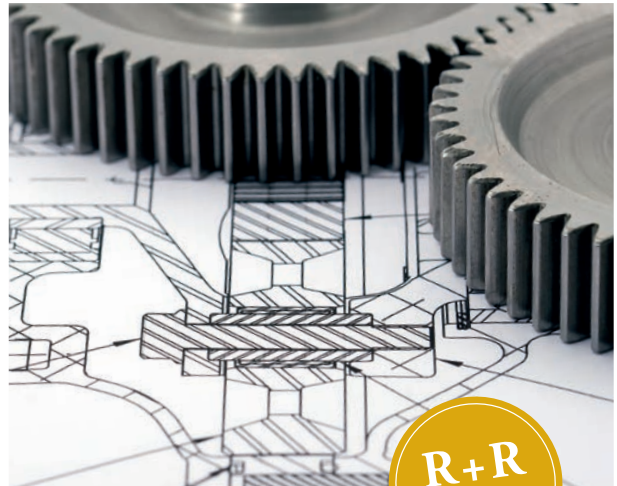
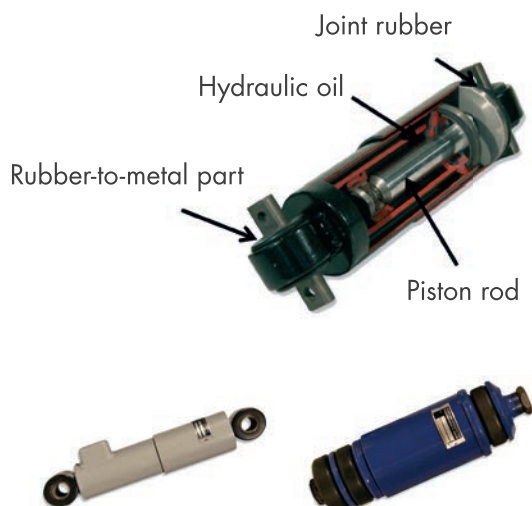
VIBRATION DAMPERS

- Horizontal and vertical dampers
- Friction dampers
- Yaw dampers
- Lever arm dampers on vintage models

» REFURBISHING

VIBRATION DAMPERS

We'll be glad to professionally refurbish your rolling stock's existing vibration dampers. Our Refurbishment Service includes a multi-year guarantee as well as a comprehensive test report.



R+R
SERVICE

QUALITY AND CONDITION-FOCUSED

PREPARATION AND MAINTENANCE

- Extension of service life
- Maintenance solutions from a single source
- Reengineering and retrofit measures
- Environmental protection through hydraulic oil re-use and recycling

» COMPONENTS FOR BOGIES

SPRING ELEMENTS, WELDMENTS, FORGED AND CAST PARTS



» **SPRING ELEMENTS**

- Spring elements from Hytrel 4056
- Trailing arms
- Angle arms
- Spring arms
- Stabilisers



» **FORGED AND CAST PARTS**

- Pivots
- Double chain-link hangers
- Pivot bearings
- Swing plates
- Spring baseplates
- Wheelset bearing housings
- Spring housings
- Wheelset bearing caps



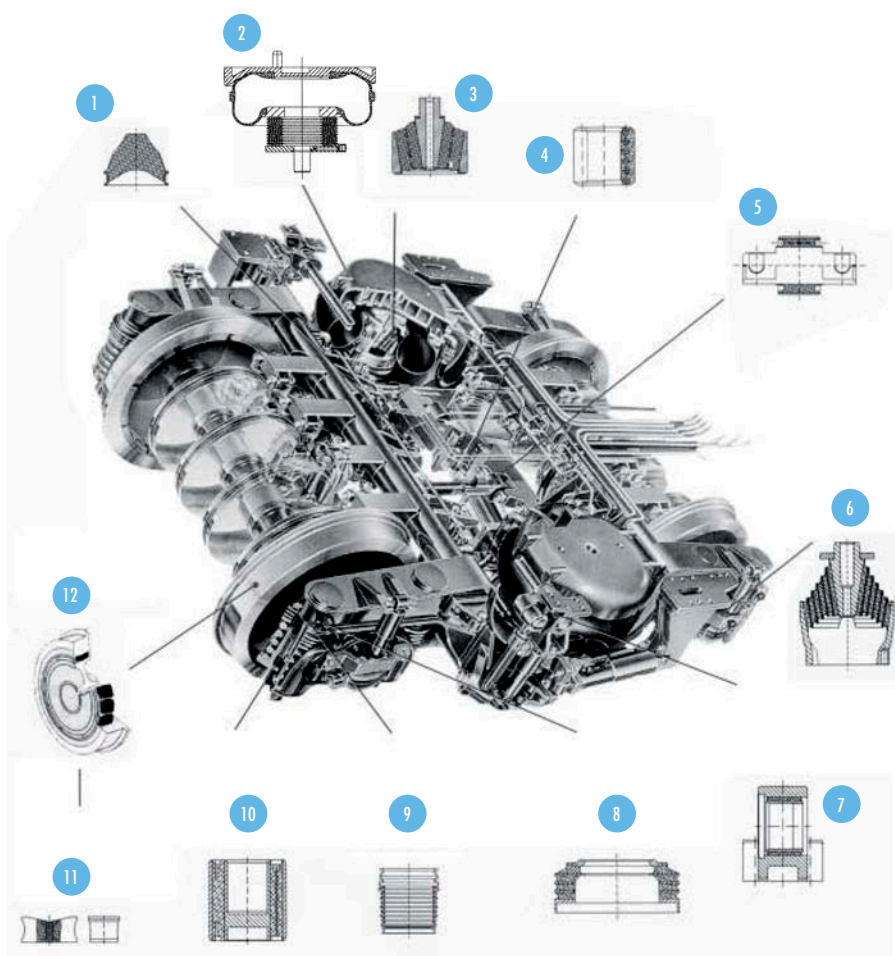
» **WELDMENTS**

- Rail guards
- Snowplough frameworks
- Brake suspension links
- Support bearings

» ROLLING STOCK

Our rolling stock components are used in trams across the globe.

We supply parts for trams, underground systems and intercity trains, including door bearings, door locks, strike plates, all types of bolts (incl. hardened and nickel-plated), fastening elements, casing covers, supports, steering bars, track rods and much more (total extent ca. 1,000 different parts). A small selection is presented in the images below.



1. LATERAL BUFFER

Element to brace wagon body when bogie travels along bends

2. AIR SPRING

3. SECONDARY SUPPORT SPRING

Secondary spring in case of air spring failure

4. RUBBER-STEEL SPRING

Transmission of brake and drive forces between wagon body and pivot

5. SPHERICAL BEARING

Transmission of brake and drive forces between pivot and bogie

6. PRIMARY SUSPENSION SPRING

Transmission of all vertical and horizontal forces between wheelset and bogie

7. ROLLING BEARING

Bearing for roll support torsion bar

8. PRIMARY INTERLEAF SPRING

Acoustic shielding of steel spring from bogie frame in primary spring level

9. BELLOW

Contamination protection for wheelset guide bushing's slide unit

10. WHEEL SET GUIDING BUSH

Transmission of all brake, drive and shear forces between wheelset and bogie

11. RUBBER BLOCK

Acoustic shielding between wheel tyres and wheel hubs

12. RESILIENT WHEEL

A low-angle, upward-looking photograph of a high-speed train, likely a TGV, inside a large industrial maintenance hall. The train's dark blue upper body and orange lower body are prominent. The windows reflect the sky and clouds. The train is positioned on tracks, and the complex mechanical undercarriage, including wheels and suspension, is visible in the foreground. The hall's high ceiling with its steel truss structure and skylights is visible in the background, with warm light filtering through. A semi-transparent dark blue rectangular box is overlaid on the right side of the image, containing white text.

RELIABLE SUPPORT FOR
YOUR SPARE PARTS
MANAGEMENT

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