



# Isotop<sup>®</sup> DZE Railway

Technical superiority, compatibility  
and cost-effectiveness

Getzner has developed the Isotop<sup>®</sup> DZE Railway to protect the passenger areas of modern rail vehicles from vibrations caused by "roof-top" or "underfloor" air conditioners and other units.

#### Advantages in comparison to conventional rubber-metal products:

- Increased insulating effect
- Up to 12 dB higher level difference at the same level of excitation
- The material does not become hard or brittle
- Long service life
- No settling behaviour
- Individually adjustable

## Design and quality

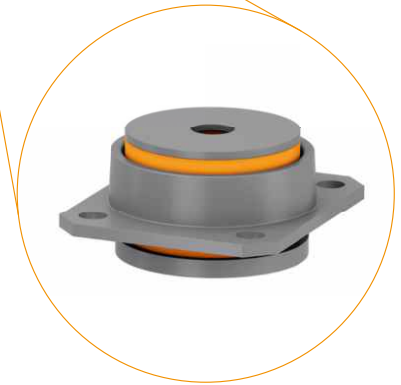
The structure-borne noise and vibration insulating effect of Isotop® DZE Railway is largely based on the vibration insulating properties of the Getzner polyurethane materials Sylomer®, Sylodyn® and Sylodamp®.

These materials were specially developed to insulate and absorb shocks and vibrations. Over decades they have proven themselves in countless applications, including in the railway infrastructure, where a life expectancy of up to 50 years is required.

Getzner polyurethane materials have been incorporated into numerous Isotop® products. Isotop® DZE Railway can be tailored to an equally extensive variety of applications.



➤➤ *Up to 12 dB higher insulating effect than when using rubber-metal products for the bearing of HVAC units*



## Other areas of application

Isotop® DZE Railway protects sensitive components of units, switch cabinets and much more besides from undesirable wheel/rail-induced vibrations of various frequencies, which are propagated via bogies and vehicle bodies.

The superior insulating effect of Isotop® DZE Railway also offers significant benefits for the decoupling of enclosures and components on ships,

in commercial vehicles, construction machinery, agricultural machinery and much more.

Isotop® DZE Railway is ideal for the safe transport of goods sensitive to shocks and vibrations (such as precision technology, precision optical systems, measuring systems, scientific instruments, sensitive materials and compounds, valuable objects, etc.).

### Product properties

- Resistance to vibrations caused by rail traffic tested in accordance with DIN EN / IEC 61373
- No settling behaviour
- Housing and axle made entirely from high-strength stainless steel
- Indestructible
- Longer service life in comparison to other elements (for example, rubber/metal)
- "Made in Germany"