



Isotop[®] Transformer Pad TR

Effective vibration isolation
for transformers

Isotop[®] TR from Getzner is an elastic bearing that has been specially designed for transformers with wheels. At the heart of the solution is the polyurethane material Sylodyn[®], which has proven effective in technical building services due to its outstanding isolation values and long service life.

Key Benefits

- Proven reduction of floor vibrations in the audible frequency range
- Effective reduction of secondary airborne noise
- More flexibility in selecting the installation location
- Easy and convenient installation
- Durable and maintenance-free

Applications

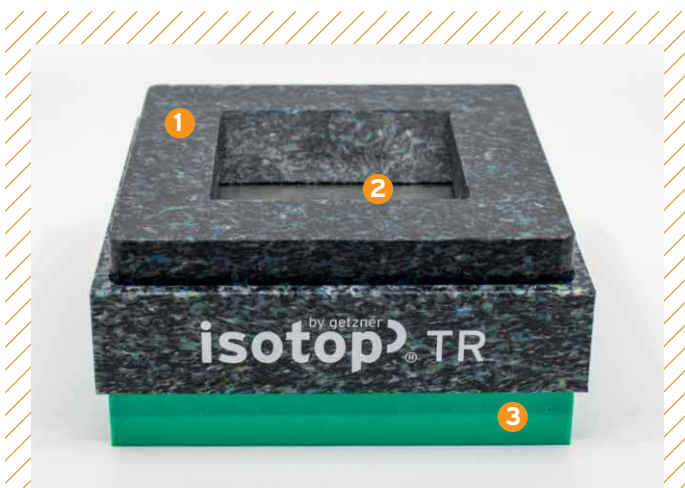
The noise from transformers is caused by the expansion and contraction of the sheet metal during the magnetisation process. This expansion and contraction occurs twice per voltage or current cycle and generates vibrations in the range of 100 Hz to 120 Hz, depending on the input voltage.

Structure-borne noise is transmitted from the transformer core via the contact surfaces (e.g. the wheels) into the foundation. The operation of transformers on, within or in the immediate vicinity of buildings is therefore often perceived as a deep, unpleasant rumbling noise in residential areas and workplaces. Critical sites, such as rooftop installations or installations in mezzanine floors, place higher demands on the isolation effect of the bearings.

The correct choice of bearings is crucial for a good result and avoids unnecessary rework or retrofiting. Their installation must be simple and time-saving, but still provide the necessary support for the wheels.



Product solution



- 1 Various inlays roll widths from 40 to 70 mm roll diameter up to 200 mm
- 2 High-quality spring steel for a load distribution of up to 2.5 metric tons per bearing (10 metric tons per set)
- 3 25 mm Sylodyn® for effective vibration isolation and natural frequencies from 8.5 Hz

For more information and details, visit [getzner.com/isotop-tr](https://www.getzner.com/isotop-tr)