ISOTOP® PRODUCTS

GENERAL INFORMATION FOR PLANNING AND INSTALLATION

1. Guideline

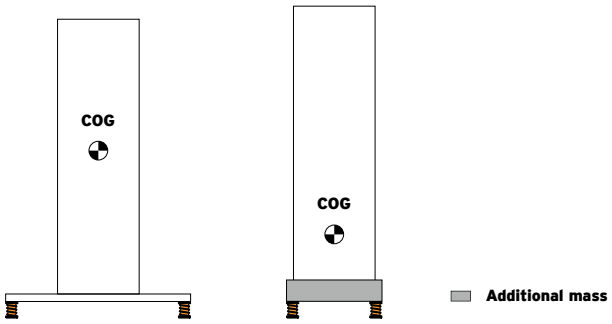
Carefully read through the Installation Guideline before starting installation work. To ensure the bearing functions correctly, it is essential that you observe and implement the following points. The installation surfaces must be level and within acceptable construction tolerances.

2. Planning

- Isotop® products are designed purely as pressure elements and are not approved for shear loads.
- Sound bridges must be evaluated and avoided from the start of the planning phase.
- Outgoing pipes must be flexible by design.
- An infinitely rigid foundation is used as a basis for calculations and the decoupled mass is assumed to be a rigid body.
- The proposed bearing must be reviewed by the professional planner to ensure it satisfies requirements such as natural frequency and insulation effect.
- Getzner Werkstoffe is unable to assess whether the decoupling requirements are met.
- Full decoupling from the environment is essential to ensure a functional solution.

Observe the overall stability of the device:

- Overturning moments / back pressures must be taken into account (e.g. for pumps, fans, wind loads).
- The loads taken into account and the load distribution must be checked by the professional planner responsible.
- Intermediate plates can be installed to increase stability. The planner or fitter is responsible for establishing the correct layout.



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3. Product-specific information

3.1 DZE elements

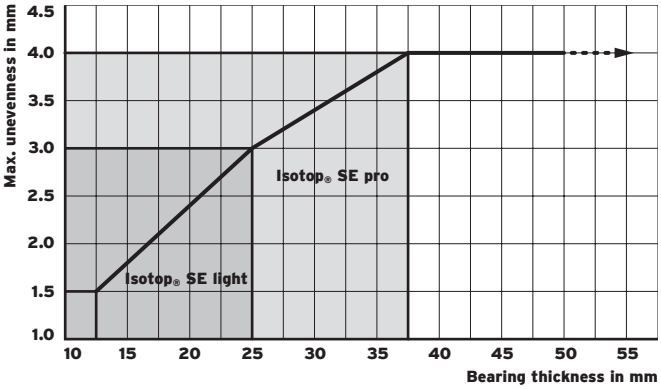
When DZE elements are used in conjunction with threaded rods, washers are required to distribute the weight on the housing cover.

3.2 Block elements

- The elements must be installed tension-free.
- Lateral forces must be avoided during installation.
- The elements must be evenly loaded during installation.
- The steel springs must be protected from flying sparks (e.g. from sanding or angle grinding work).
- The installation surfaces must be level and within acceptable construction tolerances.

3.2 Sandwich elements

- The installation surfaces must be level.
- The elements must be installed tension-free.



- Lateral forces must be avoided during installation.
- The elements must be evenly loaded during installation.

4. Mounting

4.1 Preparation for installation

- The base frame and foundation must be clean, dry and free from oil, grease and other contaminants.
- The surface of the foundation must not have any pointed or sharp edges. The permitted unevenness depends on the thickness of the isolating layer. Turnouts or flat transitions do not pose a problem.

4.2 Performing the installation

- The elements must be fastened without tension (avoid crosswise displacement).
- The elements should be centrally loaded.
- During installation, the elements must be distributed according to the specifications that were used for the design.
- Base plates must be fully supported.
- The deflection should be measured, checked and compared with the calculation.
- Suitable attaching materials must be used for fastening to the foundation.
- Screws for fastening to the base frame or foundation must not come into contact with the metal part of the base plate if decoupling washers are used. Failure to observe this stipulation will result in sound bridges.
- Fit the accessories in accordance with the instructions.
- Observe the following screw-in depths:

Type	Max. screw-in depth
Isotop® SD	20 mm
Isotop® MSN	14 mm
Isotop® DSD	20 mm
Isotop® DMSN	14 mm
Isotop® MSN-DAMP	14 mm
Isotop® Compact	7 mm
Isotop® DZE	20 mm
Isotop® DZE Mini	20 mm
Isotop® SE pro	20 mm

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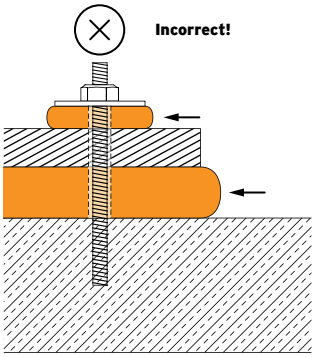
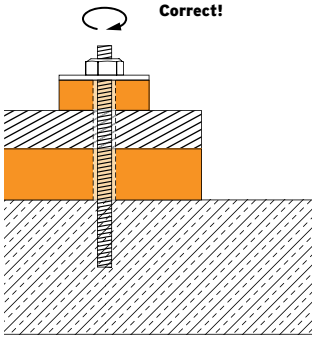
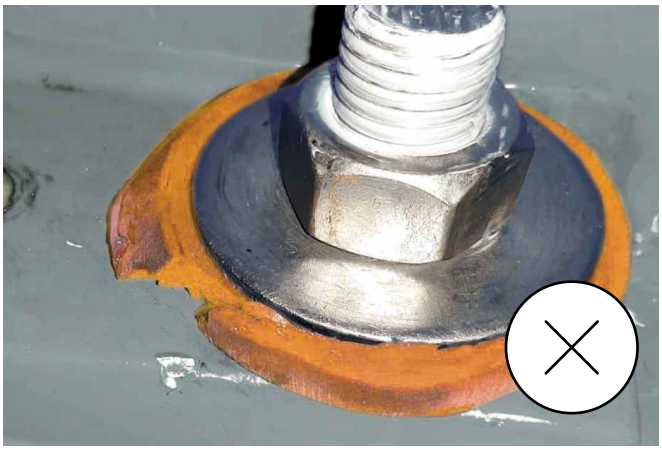
- The distance to the element (NV, threaded rod) should be kept to a minimum.

4.3 Important!

Avoid excessive preload due to over-tightening! Avoid crushing the material!







5. Check

The deflection must be measured, checked and compared with the calculation.

6. Service life and recycling

Isotop® elements are products made of durable elastomers and refined steel parts. At the end of the service life of the machine on these bearings, the elastomers can be mechanically detached from the metal parts and appropriately disposed of.

None of our materials are harmful to the environment.

7. Disclaimer

This installation instruction is only intended to support and advise customers and their contractors during the installation of Getzner Isotop® products. Getzner Werkstoffe outlines therein known requirements and challenges. These installation instructions have been prepared with the utmost care.

However, due to the wide range of different construction methos and requirements, Getzner Werkstoffe cannot assume any liability for the completeness of the installation instruction. In particular, Getzner Werkstoffe is not responsible for the correct installation of Getzner's Isotop® products. In the event of an incorrect installation, Getzner Werkstoffe is not liable for any negative effects on the properties / quality of Getzner's Isotop® products or their performance.

It is strongly recommended that the installation be carried out by a professional/expert. All other rights are reserved. Disclosure to third parties is expressly prohibited.

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