

Isotop® SE Sandwich element

by getzner
isotop®

Design

Isotop® SE is an element used for efficient vibration isolation, consisting of a hot-dip galvanised, 10 mm thick steel plate for pressure distribution, a 6 mm anti-slip coating and up to three insulating layers made from Sylomer®/Sylodyn®. A hot-dip galvanised footplate with mounting holes is available as an option. The multi-layer design allows structure-borne noise to be isolated in a targeted manner. A precise natural frequency of up to 8 Hz is reached through calculation and the optimum choice of material.

Range of use

Isotop® SE products are used as bearing elements for equipment with narrow base frames and where the design requires single-point installation. They are also used in the localised bearing of:

Examples:

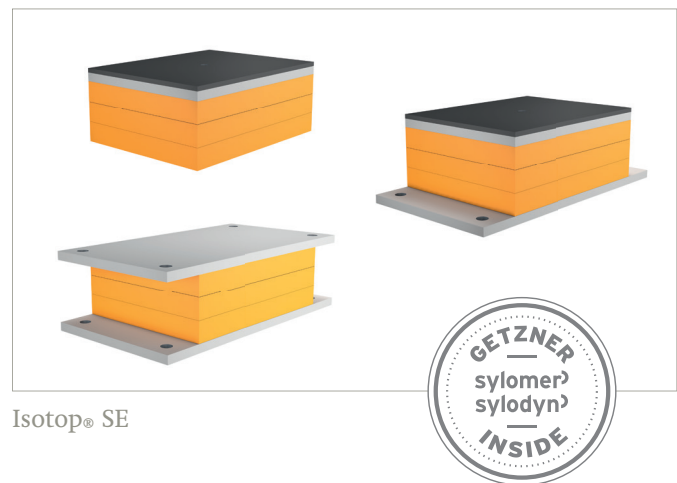
- Elevator motors
- HVAC systems
- Chillers
- CHP plants
- Jacks and punches
- All types of machine and assembly which require source and recipient isolation

Advantages

- Quick and easy installation
- Standard size
- Extremely precise natural frequency possible
- Long service life
- High corrosion resistance
- Reliable vibration bearing
- Diverse potential areas of application

Installation and assembly

SE elements can be screwed to the device to be insulated using an M12 thread. For attachment-free bearing, Isotop® SE with an anti-slip plate is used. The device frame must be level and a full-surface contact between the element and the device and floor must be ensured. The element should always be loaded in the centre.



Isotop® SE

Product overview

TYPE	MAX. LOAD (KG)	COLOUR
5 *	50	orange
8 *	80	blue
12	120	pink
15	150	green
30	300	brown
50	500	red
100	1.000	grey
170 *	1.700	turquoise
300 *	3.000	violet

All types available with 1/2/3 layers; if desired with anti-slip plate, anti-slip and footplate or with foot and pressure plate
* Only on request

Our service

Take advantage of our expertise in vibration engineering. We will gladly advise you and calculate your individual vibration isolation solution.

Data needed to choose the right product

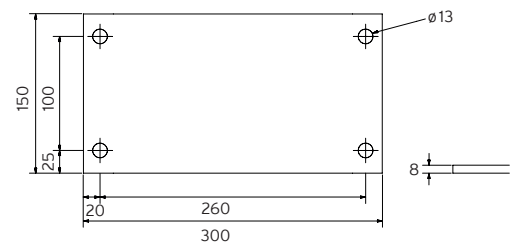
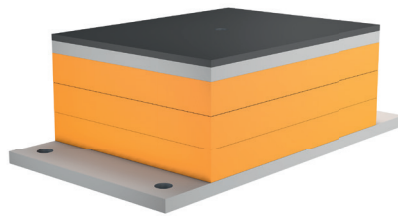
- Total weight to be absorbed
- Number and position of contact points
- Centre of gravity
- Shape of the unit (dimensions)
- Load direction
- Lowest disturbing frequency (number of revolutions or strokes)

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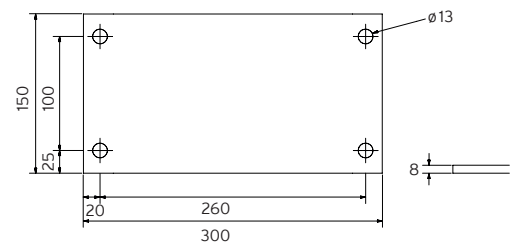
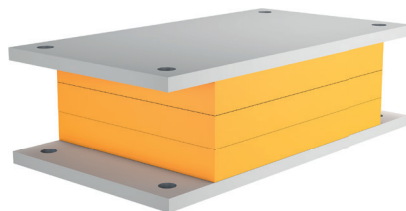
Isotop® SE with anti-slip plate



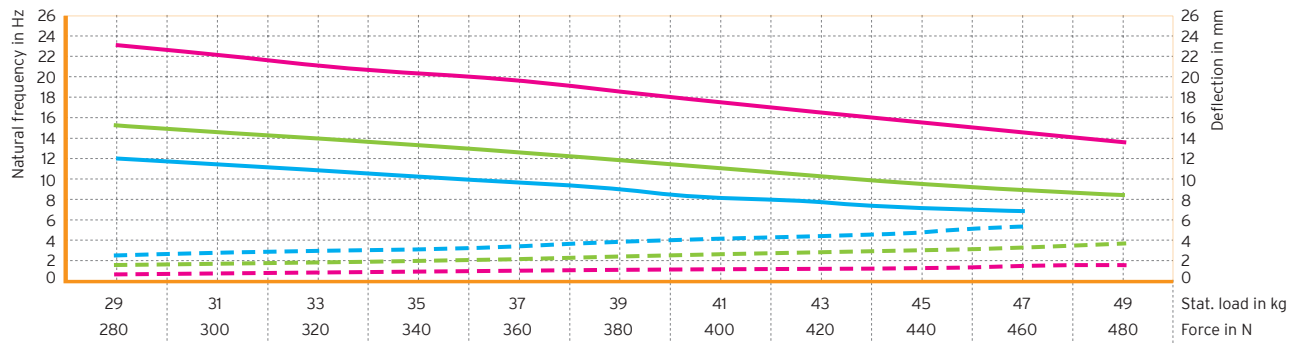
Isotop® SE with anti-slip and footplate



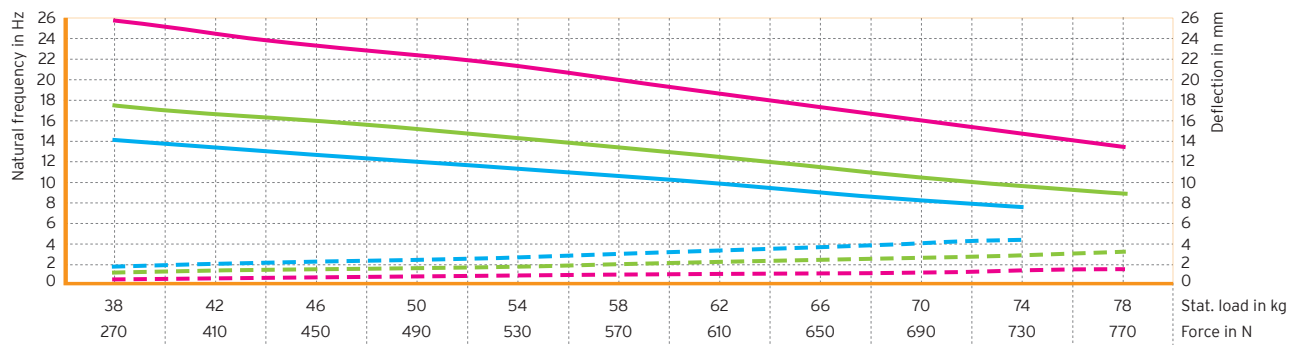
Isotop® SE with foot and pressure plate



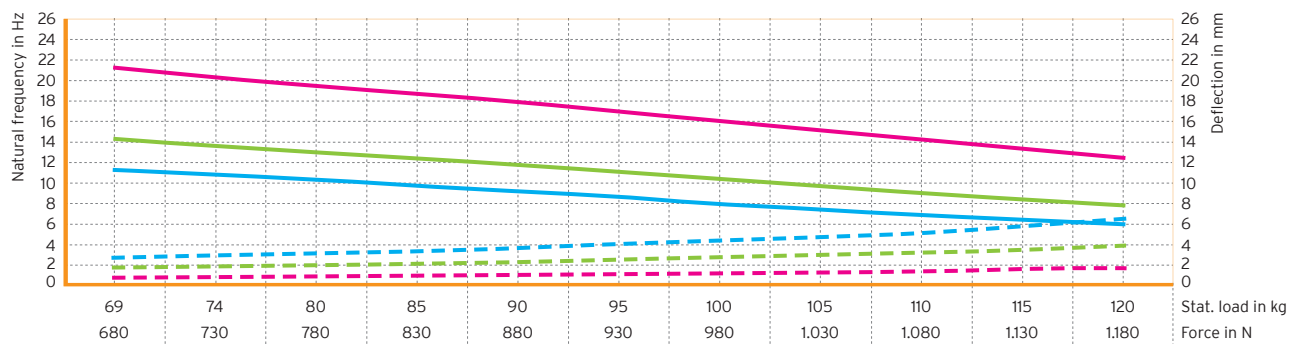
Isotop® SE 5



Isotop® SE 8

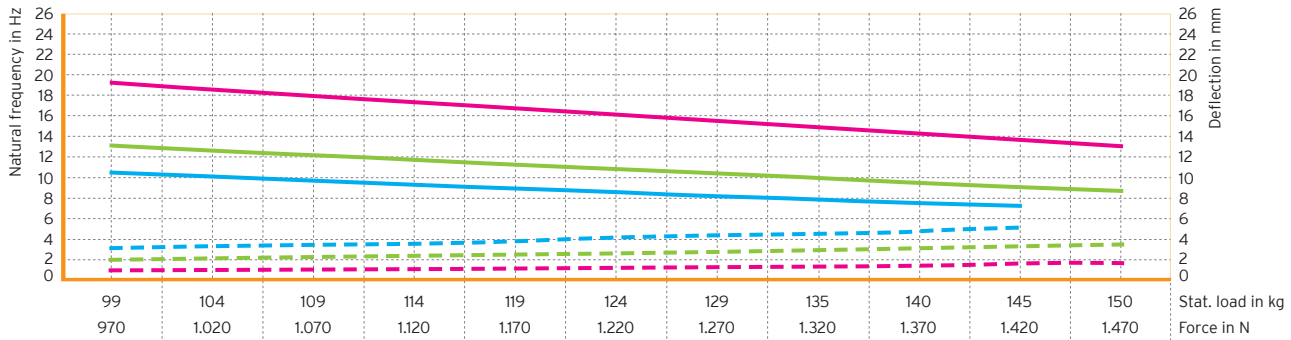


Isotop® SE 12

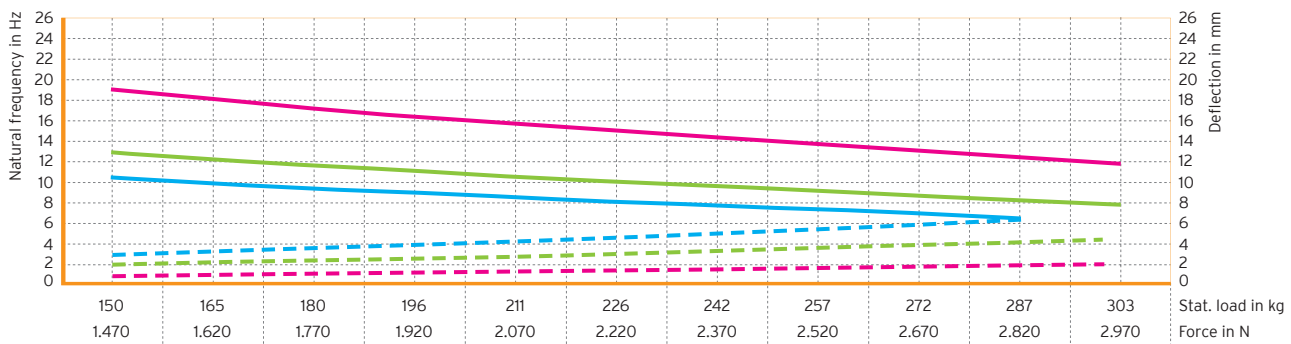


Natural frequency of insulating layer:
— 25 mm — 50 mm — 75 mm
 Deflection of insulating layer:
- - - 25 mm - - - 50 mm - - - 75 mm

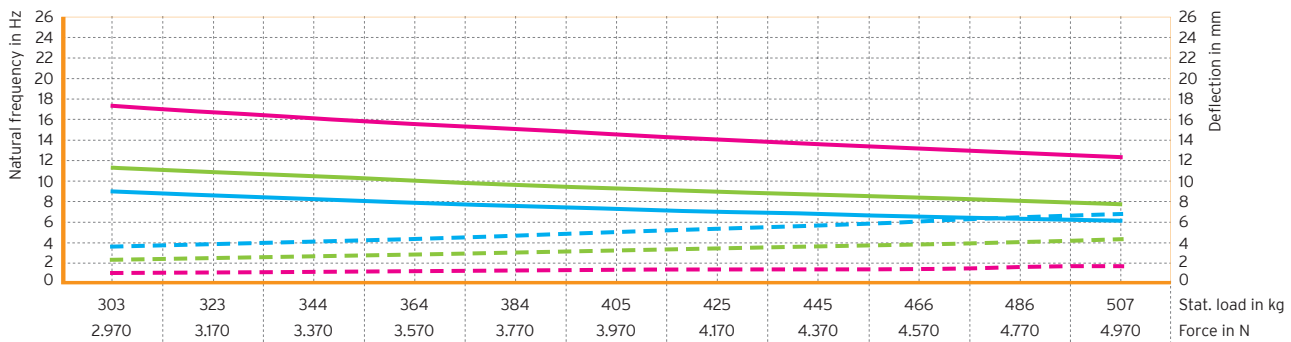
Isotop® SE 15



Isotop® SE 30

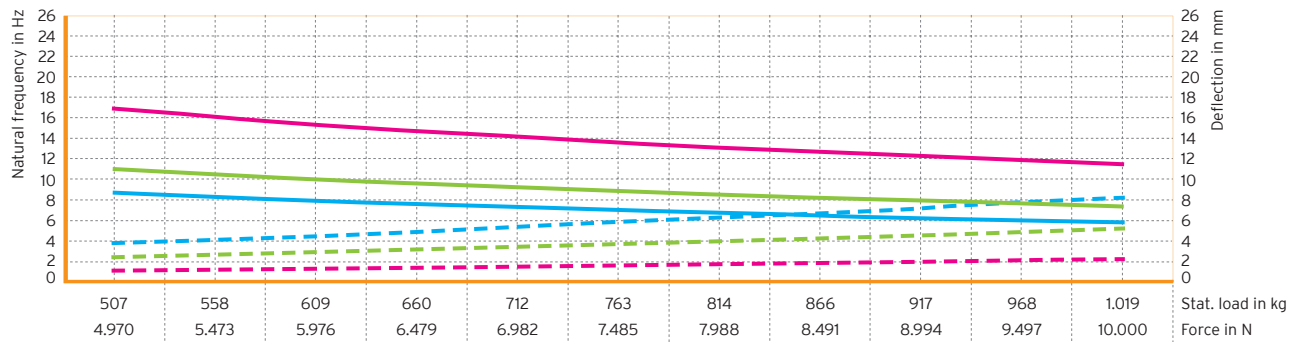


Isotop® SE 50

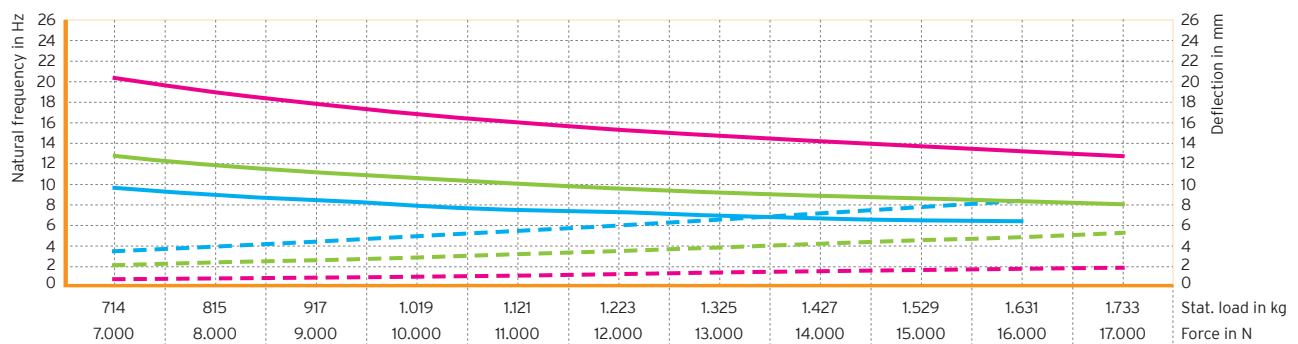


Natural frequency of insulating layer: — 25 mm — 50 mm — 75 mm
 Deflection of insulating layer: - - - 25 mm - - - 50 mm - - - 75 mm

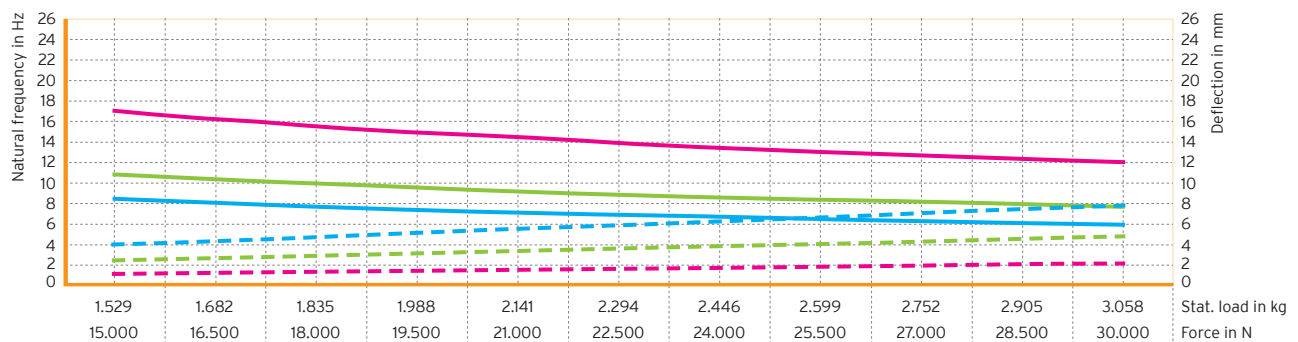
Isotop® SE 100



Isotop® SE 170



Isotop® SE 300



Natural frequency of insulating layer:
— 25 mm Deflection of insulating layer:
— 50 mm - - - 25 mm
— 75 mm - - - 50 mm
- - - 75 mm

All information and data is based on our current knowledge. It can be used in calculations and for reference purposes, but is subject to product-specific and application-specific manufacturing tolerances and does not represent warranted properties. Material properties and their tolerances vary depending on the type of application and load and are available from Getzner on request. Subject to change without notice.

For further general information, see VDI directive 2062 and the glossary. Further characteristic values available on request.

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