

Isotop® SE-DE

Isotop® SE-DE Elevator

Sandwichelement with intermediate mass for higher isolation efficiency

by reinicke
isotop®

Design

Isotop® SE-DE respectively SE-DE Elevator (especially for elevator industry) consisting of 10 mm steel plate for load distribution and with non-slip plate, a 60 mm high mass and as well as 2 separated isolation layers made of Sylomer/Sylodyn material.

All steel parts are hot galvanized.

Field of application

Isotop® SE-DE respectively SE-DE Elevator is an element, which recreates a quasi-double spring-mass system. This element is used in cases, when it is not possible to insert heavy-weight mass (concrete etc.), see also VDI-2566.

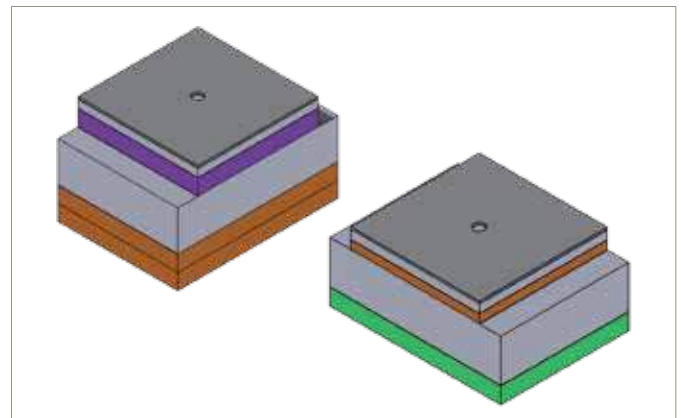
The structure-borne noise can be systematically reduced by multi-layer design. An accurate determination of the natural frequency of the system would be done by our calculation and optimized material selection.

Advantages

- Quick installation
- Unique sizes
- Exact nominal natural frequency possible
- Low cost
- Long lifetime
- High corrosion resistance
- Reliable vibration isolation
- Multi-purpose application
- Higher damping factor than one layer installation

Installation information

All SE-DE elements can be screwed on top of the device with M 12 thread. To prevent slipping of the installation a non-slip plate is glued on the top-plate of the element. After consulting us a screwless installation might be possible. The element should be loaded centrally. For details see Reinicke installation instructions.



Isotop® SE-DE & Isotop® SE-DE Elevator

Selection table

-X		SE-DE -MAX. LOAD [N]	SE-DE Elevator -MAX. LOAD [N]
6	Nominal Load x 100 N	650	n/a
10		1,050	n/a
13		1,350	n/a
30		3,000	3,000
50		5,100	5,900
100		9,850	10,800
170		17,200	19,600
280		27,500	33,350

Example: Isotop® SE-DE-X-Nominal Load

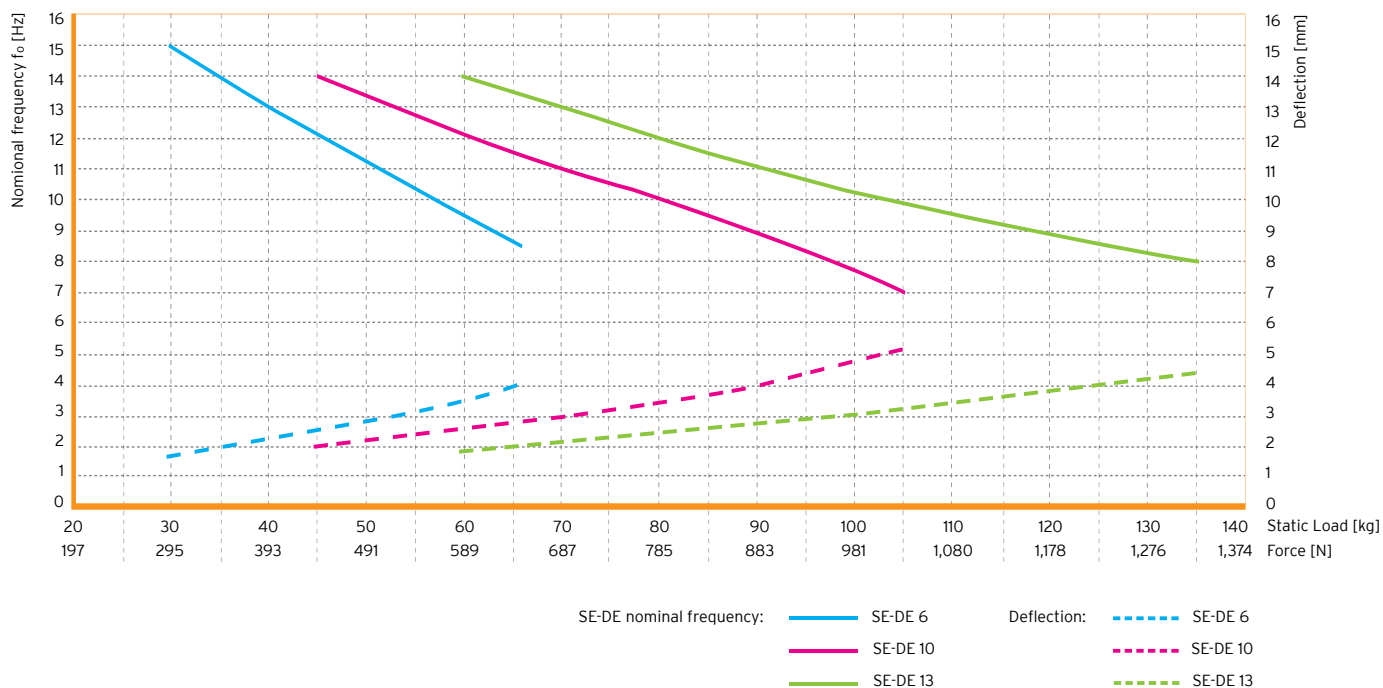
Accessories:

- Footplate with 4 bores (13 mm diameter) for fixing to the floor or subconstruction, length x width x height 300 x 150 x 8 mm
- Additional anti-slip-plate for footplate, thickness 6 mm

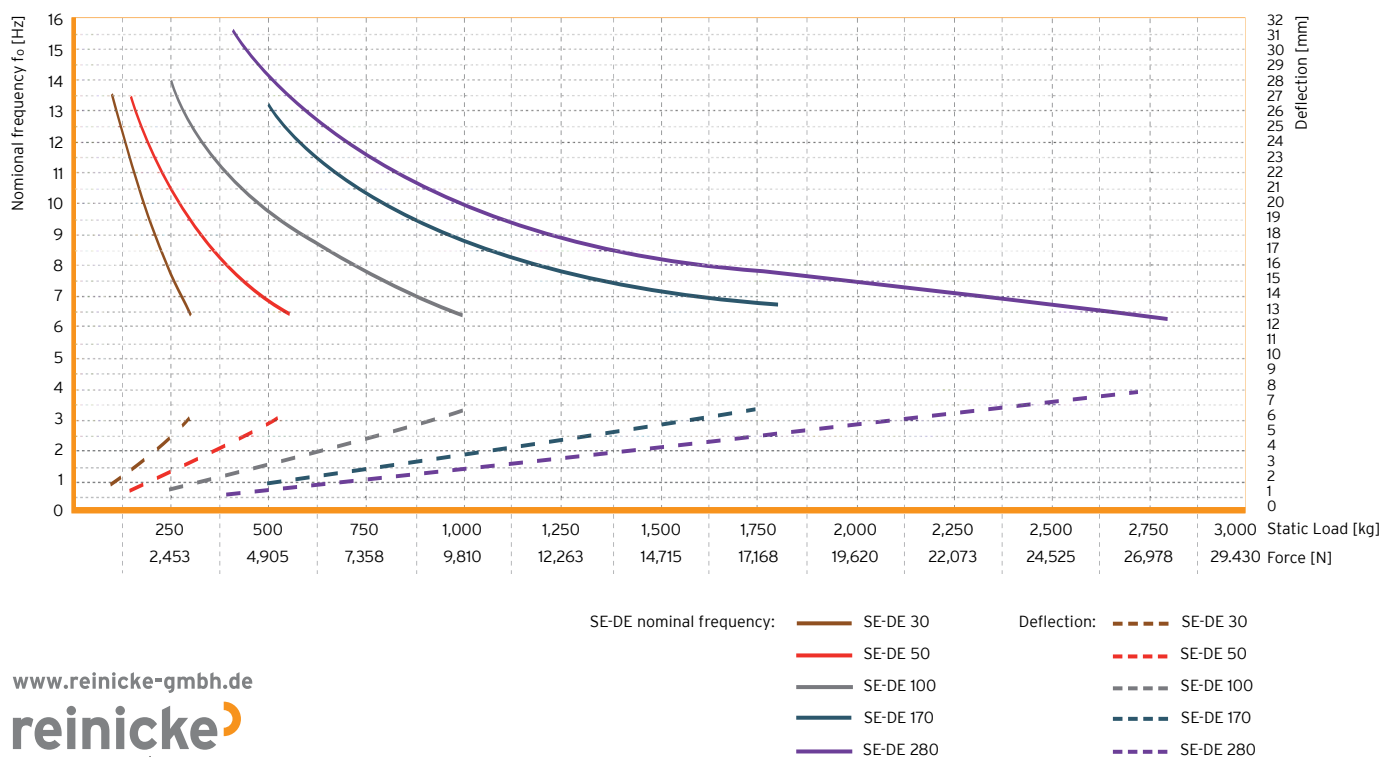
Our service

Make use of our know-how on questions about vibration technology. We will gladly consult you and will calculate customized solutions for vibration isolation.

Overview SE-DE 6-13

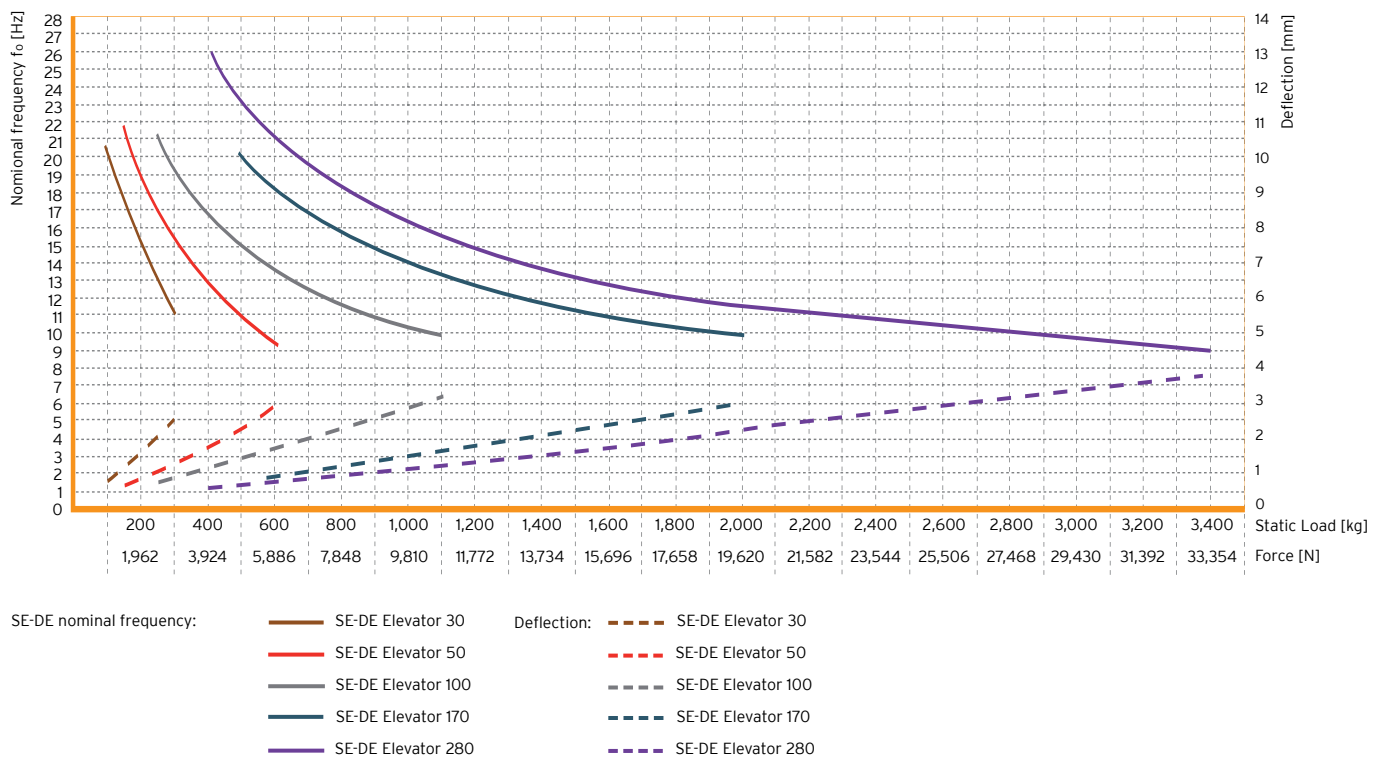


Overview SE-DE 30-280

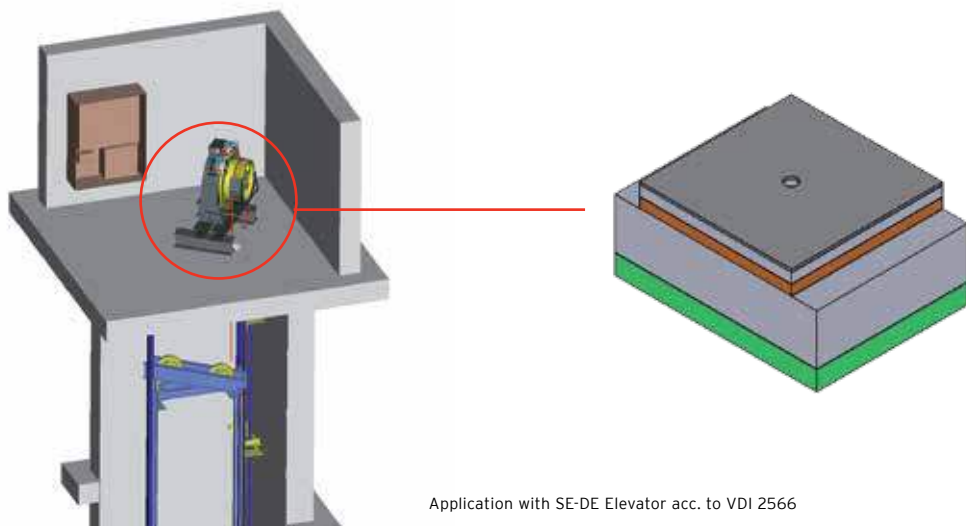


Isotop® SE-DE Elevator

Overview SE-DE Elevator 30-280



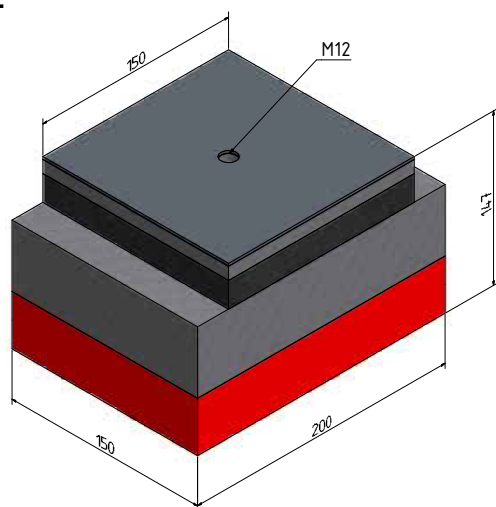
Example: Application Elevatordrive



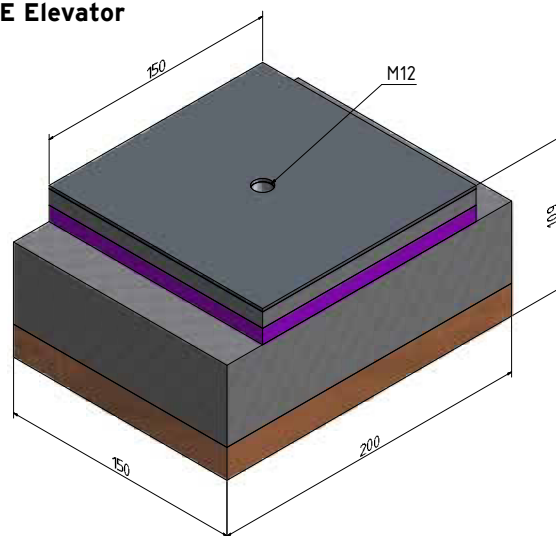
Application with SE-DE Elevator acc. to VDI 2566

Figure

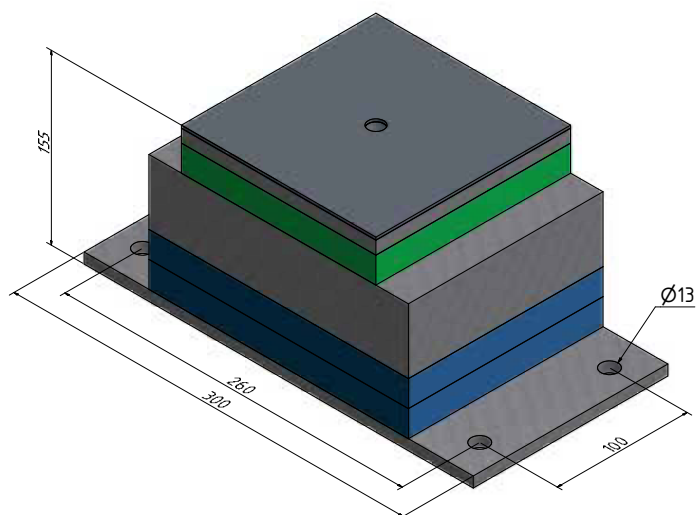
SE-DE



SE-DE Elevator



Optional accessory:
Footplate,
Steel galvanized



All data indicated are based upon our current knowledge.
They may be used as calculation and standard values and are subject
to the usual machining tolerances. Subject to change and correction.