Isotop® DZE-BL-4
Multi-part-element Stainless Steel up to Load of 4000 kg

Design
Isotop® DZE-BL-4 is a solid element consisting of stainless steel (1.4301) and two different insulation materials Sylodyn® and Sylodamp®. Combined they are resilient to pressure and tensile loading. Due to the spring/damper combination the transmission of vibration can be isolated precisely and effectively and strong amplitudes will be debilitated. The continuous steel axis with its welded-on baseplate endures strong horizontal forces as well as massive negative impulses like e.g. windloads.

Field of application
Isotop® DZE-BL-4 elements can be adjusted individually down to a natural frequency of approx. 7 Hz depending on the load.

Various applications, for example elastic isolation of:
- Diesel-Engines
- Heavy Compressors
- Heavy Pumps
- Cooling towers
- Fast rotating machines
- Cogeneration units
- Roof-top devices
- Emergency power units
- Marine-Applications
- Mobile-Applications

Required data for selection
- Total weight to be absorbed
- Number and location of points of support
- Centre of gravity
- Structural shape of the device
- Direction of load
- Lowest disturbing frequency (rotational speed or number of strokes)

Advantages
- Different combinations of spring/damper elements depending on the load of the device allow ideal frequency tuning
- Premounted elements ensure fast assemblage
- Demolition-proof – especially advisable for narrow and tall devices or mobile applications
- Long durability
- Low resonant frequency
- Low construction height
- Best protection against corrosion

Our service
Make use of our know-how on questions about vibration technology. We will gladly consult you and will calculate tailor-made solutions for vibration isolation.
### Selection table

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>REF. NO.</th>
<th>MAX. LOAD IN KG</th>
<th>NATURAL FREQUENCY IN HZ ON MAX. LOAD</th>
<th>DEFLECTION IN MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-layer</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isotop® DZE-1-BL-4 on request</td>
<td>4,000</td>
<td>10.3</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>Doppellagig</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isotop® DZE-2-BL-4 on request</td>
<td>3,800</td>
<td>7.2</td>
<td>4.4</td>
<td></td>
</tr>
</tbody>
</table>

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