SOUND ISOLATION AND ANTI VIBRATION MOUNTS
Vibrofix®— is a group of special mounting elements designed to solve problems in the field of acoustic and vibration protection in industrial and civil engineering. Mounts have a large number of modifications differing in application, design and type of elastic elements.


Certified products

Vibrofix acoustic mounts are certified in Russia and Ukraine:

‣ Certificate of Conformity No. 030006.024/497-13
  Research Institute for Building Physics, Russia,
‣ Certificate of Conformity No. 1.052.0234432-13
  UkrSEPRO, Ukraine.

Vibrofix acoustic mounts have also been tested at the Research Center Getzner Werkstoffe GmbH (Austria).

High performance sound insulation

High sound insulation performance of Vibrofix® mounts is confirmed by the certificates of tests carried out in Acoustics Labs "Ukrmetreststandart" (Ukraine), State Research Institute of Building Constructions (Ukraine), Research Institute for Building Physics (Russia), as well as by the results of tests at the Research Center Getzner Werkstoffe GmbH (Austria).

Frequency characteristics

Due to the low value of the resonance frequency (3 Hz and more) Vibrofix® mounts provide efficient sound insulation for building structures and vibration insulation for engineering equipment in a wide frequency range.

Durability

The design of Vibrofix® mounts includes elastic elements of high-performance anti-vibration material Sylomer® by Getzner Werkstoffe (Austria), which characteristics slightly vary for a long period of time, and even after 30 years the mounts do not lose their efficiency.
Vibrofix CD mounts are used for installation of high-performance soundproof frame linings in the rooms to which increased requirements for acoustic protection (especially at low frequencies) apply:

- recording studios
- meeting rooms
- transformer substations
- cinemas
- ventilation chambers

Vibrofix CD mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection. For easy installation the mount is completed with U-shaped bracket made of galvanized steel with a thickness of 1 mm.

- patented mounting system (Patent No. 47822 UA, Patent No. 95693 RU)
- pre-compression of the elastic element – 145 N
- efficient acoustic isolation within building structures
- increased sound isolation within low-frequency range
- full compatibility with KNAUF profile system

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Mount load*, kg</th>
<th>Min. resonance frequency, Hz</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix CD</td>
<td>20...30</td>
<td>8</td>
<td>U-shaped bracket included</td>
</tr>
</tbody>
</table>

*Weight of the lining per mount

### Vibrofix CD

**Dimensions, mm**

![Diagram of Vibrofix CD mount](image)

**Deformation of the elastic element depending on the compression/tension load**

**Acoustic isolation of the gypsum block partition (airborne sound):**

- Installation of the gypsum plasterboard lining using Vibrofix CD mounts allows to increase acoustic isolation of the wall up to 19 dB
**Vibrofix Uni L**

**SOUND ISOLATION WALL MOUNT**

Vibrofix UNI-L mounts are used for installation of soundproof linings of great height in the rooms to which increased requirements for acoustic protection apply:

- recording studios
- cinemas
- conference rooms
- TV pavilions
- meeting rooms
- ventilation chambers

Vibrofix Uni L mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection. The mount is completed with L-shaped bracket made of galvanized steel with a thickness of 2 mm.

- patented mounting system (Patent No. 47822 UA, Patent No. 95693 RU)
- pre-compression of the elastic element – 145 N
- efficient acoustic isolation within building structures
- increased sound isolation within low-frequency range
- compatibility with KNAUF profile system

**Technical specifications**

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Mount load*, kg</th>
<th>Min. resonance frequency, Hz</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Uni L</td>
<td>20..30</td>
<td>8</td>
<td>L-shaped bracket included</td>
</tr>
</tbody>
</table>

* Weight of the lining per mount

**Vibrofix Uni L**

**Dimensions, mm**

![Dimensions Diagram]

Deformation of the elastic element depending on the compression/tension load

vibrofix.com
Vibrofix Connect mounts are used for installation of soundproof partitions of great height on independent frames in the rooms to which increased requirements for acoustic protection apply:

‣ recording studios  
‣ multiplex cinemas  
‣ conference rooms  
‣ TV pavilions  
‣ meeting rooms  
‣ ventilation chambers

Vibrofix Connect mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

The mount is completed with L-shaped bracket made of galvanized steel with a thickness of 2 mm with the possibility of the contact plane adjustment.

‣ patented mounting system (Patent No. 47822 UA, Patent No. 95693 RU)  
‣ efficient acoustic isolation within building structures  
‣ compatibility with KNAUF profile system  
‣ increased sound isolation within low-frequency range  
‣ pre-compression of the elastic element – 145 N

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Mount load*, kg</th>
<th>Min. resonance frequency, Hz</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Connect</td>
<td>20...30</td>
<td>8</td>
<td>L-shaped bracket included</td>
</tr>
</tbody>
</table>

* Weight of the lining per mount

### Vibrofix Connect

**Dimensions, mm**

### Deformation of the elastic element depending on the compression/tension load
Vibrofix Protector universal acoustic mounts are used in the designs of soundproof suspended ceilings and wall frame linings to isolate domestic sources of noise, as well as at the installation of sound-absorbing panel constructions.

Vibrofix Protector mounts are used in the rooms to which high requirements for sound isolation do not apply.

Vibrofix Protector mount is a metal U-shaped bracket with a synthetic rubber based elastic element.

- efficient acoustic isolation within building structures
- full compatibility with KNAUF profile system
- minimum frame depth 40 mm
- easy installation

Additional acoustic isolation of the W623* lining installed using Vibrofix Protector mounts allows to increase acoustic isolation of the wall ΔR up to 14 dB

* Original design - gypsum block partition 80 mm thick
Vibrofix Liner channel profiles are used to reduce the indirect transmission of sound from the floor slabs to the partition frames, wall and suspended ceiling lining in dry construction systems.

Vibrofix Liner is a metal channel profile with structurally built-in mount assemblies for the frame fillings. Mount assemblies use synthetic rubber based elastic element. All mount assemblies are completed with steel washers. Each Vibrofix Liner profile has a standard length of 3 m and includes 7 mount assemblies.

- patented mounting system (Patent No. 41396 UA, Patent No. 95692 RU)
- acoustic isolation within building structures
- compatibility with KNAUF profile system
- various partition and lining configurations

### Technical specifications

<table>
<thead>
<tr>
<th>Profile type</th>
<th>Width, mm</th>
<th>Length, mm</th>
<th>Height, mm</th>
<th>Number of elastic elements per channel, pcs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Liner 28</td>
<td>28</td>
<td>3000</td>
<td>27</td>
<td>7</td>
</tr>
<tr>
<td>Vibrofix Liner 50</td>
<td>50</td>
<td></td>
<td></td>
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<tr>
<td>Vibrofix Liner 75</td>
<td>75</td>
<td></td>
<td>40</td>
<td></td>
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<tr>
<td>Vibrofix Liner 75</td>
<td>100</td>
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</tr>
</tbody>
</table>

### Vibrofix Liner (method of application)

- paste a resilient pad on the Vibrofix Liner guide profiles prior to installation of the frame;
- fix Vibrofix Liner channel profiles to the floor and ceiling through sound insulating units using only anchors or dowels of Ø 8 mm;
- eliminate rigid connection between floor and plasterboard lining. For this purpose leave a gap of 5-10 mm between the lower edge of the KNAUF boards and the floor during installation works (e.g., using mounting wedges). Fill the resulting gap with neutral silicone sealant.
Vibrofix P

ACOUSTIC MOUNTS FOR SUSPENDED CEILINGS

Vibrofix P acoustic mounts are used in construction for installation of frames of soundproof suspended ceilings in the rooms of residential and public buildings.

Vibrofix P mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- efficient acoustic isolation within building structures
- patented vertical displacement limiting system (Patent No. 47822 UA, Patent No. 95693 RU)
- low deflection at operating load
- minimum frame depth 60 mm
- full compatibility with KNAUF profile system

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Operating load range, kg</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection at operating load, mm</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix P</td>
<td>7...14</td>
<td>15,5</td>
<td>1,4...2,2</td>
<td>for mounting adjustable hangers on the spokes</td>
</tr>
<tr>
<td>Vibrofix PU</td>
<td>7...14</td>
<td>15,5</td>
<td>1,4...2,2</td>
<td>U-shaped bracket included</td>
</tr>
</tbody>
</table>

### Vibrofix P

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**Deflection of the elastic element depending on the compression/tension load**

**Floor slab acoustic isolation (airborne sound)**

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Installation of KNAUF suspended ceiling using Vibrofix P mounts increases soundproofing of the floor slab ΔR up to 18 dB
Vibrofix SP mounts are used for installation of the soundproof suspended ceilings in the rooms to which increased requirements for acoustic protection apply:

- recording studios
- meeting rooms
- transformer substations
- cinemas
- ventilation chambers
- technical rooms

Vibrofix SP mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- patented hanger vertical displacement limiting system (Patent No. 47822 UA, Patent No. 95693 RU)
- efficient acoustic isolation within building structures
- increased sound isolation within low frequency range
- full compatibility with KNAUF profile system

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Operating load range, kg</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection at operating load, mm</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix SP</td>
<td>12,5...25</td>
<td>12</td>
<td>2,2...3,2</td>
<td>for mounting adjustable hangers on the spokes</td>
</tr>
<tr>
<td>Vibrofix SPU</td>
<td>12,5...25</td>
<td>12</td>
<td>2,2...3,2</td>
<td>U-shaped bracket included</td>
</tr>
</tbody>
</table>

### Vibrofix SP mount

**Dimensions, mm**

![Vibrofix SP mount dimensions](image)

40 mm x 100 mm x 68 mm

- Diameter: 40 mm
- Length: 100 mm
- Width: 68 mm

### Deflection-load relation diagram

![Deflection-load relation diagram](image)

**Load, kg** vs. **Deflection, mm**

- Load range: 0 to 30 kg
- Deflection range: 0 to 3.5 mm

### Floor slab acoustic isolation (airborne sound)

![Floor slab acoustic isolation](image)

- **Concrete floor 200 mm**
- **Acoustic isolation, dB**
- **Frequency, Hz**

- **Installation of KNAUF suspended ceiling using Vibrofix SP mounts increases acoustic isolation of the floor slab ΔR up to 25 dB**
Vibrofix Floor mounts are used in installation of soundproof floating floors on joists in the rooms to which high requirements for the structure-borne noise isolation apply. The use of these mounts is very efficient in the process of reconstruction of buildings with wooden beams, which do not allow using massive concrete screed.

- cinemas
- attic floors of residential buildings
- buildings with lightweight floors

Vibrofix Floor mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- patented mounting system (Patent No. 54409 UA)
- high airborne and impact sound isolation
- easy installation
- low resonance frequency
- floor level height adjustment

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Operating load range, kg</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection at operating load, mm</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Floor</td>
<td>50...100</td>
<td>15</td>
<td>0,8...1,5</td>
<td>for residential and public buildings</td>
</tr>
<tr>
<td>Vibrofix Floor Plus</td>
<td>40...80</td>
<td>10,5</td>
<td>1,5...3,1</td>
<td>for special purpose rooms</td>
</tr>
</tbody>
</table>

### Vibrofix Floor Dimensions, mm

- Width: 110 mm
- Height: 53 mm
- Thickness: 1,5 mm
- Diameter: 6,4 mm

* Dimensions for Vibrofix Floor Plus mount

### Impact noise level reduction index

- Vibrofix Floor $\Delta L_{nr} = 34 \text{ dB}$
- Vibrofix Floor Plus $\Delta L_{nr} = 38 \text{ dB}$

Floor slab acoustic isolation (impact sound)
Vibrofix Uni universal mounts are used for installation of engineering equipment, vibration isolation of ventilation ductwork and pipelines, acoustic isolation of building structures.

Vibrofix Uni mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- patented system of the elastic element pre-compression (Patent No. 47822 UA, Patent No. 95693 RU)
- efficient acoustic isolation within building structures
- vibration isolation of the multipurpose engineering equipment
- efficient vibration isolation at low frequencies
- easy installation

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element color</th>
<th>Operating load range*, kg</th>
<th>Operating frequency, Hz</th>
<th>Min. resonance frequency, Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Uni 28</td>
<td>blue</td>
<td>2...3</td>
<td>&gt;29</td>
<td>16</td>
</tr>
<tr>
<td>Vibrofix Uni 55</td>
<td>green</td>
<td>3...6</td>
<td>&gt;28</td>
<td>14</td>
</tr>
<tr>
<td>Vibrofix Uni 110</td>
<td>brown</td>
<td>6...12</td>
<td>&gt;24</td>
<td>13</td>
</tr>
<tr>
<td>Vibrofix Uni 220</td>
<td>red</td>
<td>12...22</td>
<td>&gt;24</td>
<td>14</td>
</tr>
<tr>
<td>Vibrofix Uni 450</td>
<td>grey</td>
<td>22...52</td>
<td>&gt;22</td>
<td>14</td>
</tr>
</tbody>
</table>

* Load impact is directed along z-axis

### Vibrofix Uni Dimensions, mm

![Dimensions Diagram](image)

Deflection of the elastic element depending on the load on the mount acting along z-axis

![Deflection Graph](image)
Vibrofix Techno mounts are used for vibration isolation of the suspended engineering equipment, air ducts and pipelines.
Vibrofix Techno mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- Efficient vibration isolation of the engineering equipment
- Low resonance frequency
- Easy installation
- Compatibility with standard mounting systems

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element color</th>
<th>Operating load range, kg</th>
<th>Equipment operating frequency, rpm</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Techno 28</td>
<td>blue</td>
<td>1,5...3,0</td>
<td>&gt;1860</td>
<td>16,0</td>
<td>1,0...2,4</td>
</tr>
<tr>
<td>Vibrofix Techno 55</td>
<td>green</td>
<td>3,0...6,0</td>
<td>&gt;1530</td>
<td>11,5</td>
<td>1,1...2,6</td>
</tr>
<tr>
<td>Vibrofix Techno 110</td>
<td>brown</td>
<td>5,0...10,0</td>
<td>&gt;1400</td>
<td>12,0</td>
<td>1,4...2,7</td>
</tr>
<tr>
<td>Vibrofix Techno 220</td>
<td>red</td>
<td>7,5...15,0</td>
<td>&gt;1400</td>
<td>12,0</td>
<td>1,7...2,9</td>
</tr>
<tr>
<td>Vibrofix Techno 450</td>
<td>grey</td>
<td>12,5...25,0</td>
<td>&gt;1400</td>
<td>12,0</td>
<td>1,9...3,2</td>
</tr>
<tr>
<td>Vibrofix Techno 850</td>
<td>turquoise</td>
<td>25,0...50,0</td>
<td>&gt;1270</td>
<td>12,5</td>
<td>2,7...4,0</td>
</tr>
</tbody>
</table>

### Vibrofix Techno

Dimensions, mm

ACOUSTIC

Vibrofix Techno mounts are used for vibration isolation of the suspended engineering equipment, air ducts and pipelines. Vibrofix Techno mounts are made of durable galvanized steel with a thickness of 1.5 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- Efficient vibration isolation of the engineering equipment
- Low resonance frequency
- Easy installation
- Compatibility with standard mounting systems
Vibrofix Box mounts are used for vibration isolation of the suspended engineering equipment, air ducts and pipelines, and sound insulation of building structures. Vibrofix Box mounts are made of durable galvanized steel with a thickness of 2 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- efficient vibration isolation of the suspended engineering equipment
- low resonance frequency
- high durability
- easy installation

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element color</th>
<th>Range of operating loads, kg</th>
<th>Operating frequency of the equipment, rpm</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Box 28</td>
<td>blue</td>
<td>1,5…3,0</td>
<td>&gt;1860</td>
<td>16,0</td>
<td>1,0…2,4</td>
</tr>
<tr>
<td>Vibrofix Box 55</td>
<td>green</td>
<td>3,0…6,0</td>
<td>&gt;1530</td>
<td>11,5</td>
<td>1,1…2,6</td>
</tr>
<tr>
<td>Vibrofix Box 110</td>
<td>brown</td>
<td>5,0…10,0</td>
<td>&gt;1400</td>
<td>12,0</td>
<td>1,4…2,7</td>
</tr>
<tr>
<td>Vibrofix Box 220</td>
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<td>7,5…15,0</td>
<td>&gt;1400</td>
<td>12,0</td>
<td>1,7…2,9</td>
</tr>
<tr>
<td>Vibrofix Box 450</td>
<td>grey</td>
<td>12,5…25,0</td>
<td>&gt;1400</td>
<td>12,0</td>
<td>1,9…3,2</td>
</tr>
<tr>
<td>Vibrofix Box 850</td>
<td>turquoise</td>
<td>25,0…50,0</td>
<td>&gt;1270</td>
<td>12,5</td>
<td>2,7…4,0</td>
</tr>
</tbody>
</table>

Vibrofix Box mounts are made of durable galvanized steel with a thickness of 2 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- efficient vibration isolation of the suspended engineering equipment
- low resonance frequency
- high durability
- easy installation

### Dimensions, mm

- Length: 64.5 mm
- Width: 40 mm
- Height: 25 mm

### Deflection of the elastic element depending on the mount load

![Deflection graph](#)
Vibrofix Box Pro

VIBRATION ISOLATION MOUNTS FOR ENGINEERING EQUIPMENT

Vibrofix Box Pro mounts are used for vibration isolation of heavy suspended engineering equipment, air ducts and heavy-gauge pipelines:

- suspended ventilation units
- indoor units of the air conditioning systems
- pipelines

Vibrofix Box Pro mounts are made of durable galvanized steel with a thickness of 3 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- efficient vibration isolation of heavy suspended engineering equipment and pipelines
- low resonance frequency 7-8 Hz
- easy installation

### Technical specifications

<table>
<thead>
<tr>
<th>Mount name</th>
<th>Elastic element color</th>
<th>Range of operating loads, kg</th>
<th>Operating frequency of the equipment, rpm</th>
<th>Minimum resonance frequency, Hz</th>
<th>Deflection, mm</th>
</tr>
</thead>
<tbody>
<tr>
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<td>&gt;1440</td>
<td>11,6</td>
<td>1,1...2</td>
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<tr>
<td>Vibrofix Box Pro 450</td>
<td>grey</td>
<td>44...90</td>
<td>&gt;1380</td>
<td>10,6</td>
<td>1,2...2,6</td>
</tr>
<tr>
<td>Vibrofix Box Pro 850</td>
<td>turquoise</td>
<td>90...152</td>
<td>&gt;1200</td>
<td>11</td>
<td>1,6...3</td>
</tr>
</tbody>
</table>

### Vibrofix Box Pro

Vibrofix Box Pro mounts are used for vibration isolation of heavy suspended engineering equipment, air ducts and heavy-gauge pipelines:

- suspended ventilation units
- indoor units of the air conditioning systems
- pipelines

Vibrofix Box Pro mounts are made of durable galvanized steel with a thickness of 3 mm. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- efficient vibration isolation of heavy suspended engineering equipment and pipelines
- low resonance frequency 7-8 Hz
- easy installation

### Vibrofix Box Pro

Dimensions, mm

Vibrofix Box Pro

Deflection of the elastic element depending on the mount load

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Vibrofix Uni Pro anti vibration mounts are used for vibration isolation of equipment which is essential to be protected from swinging or tipping over, e.g. exposed to wind force in case of roof installation.

Field of application – vibration isolation of heavy energy-intensive equipment:

- chillers
- commercial plants
- ventilation units
- diesel-generator sets

Vibrofix Level Pro vibration mounts are made of durable galvanized steel with a thickness of 3 mm and equipped with a steel pin (M12). A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

Anti-vibration mounts are maintenance-free during the entire service life, they have perfect performance on the residual deformation of the elastic element, stable performance and high resistance to static and dynamic loads.

- efficient vibration isolation without the use of massive foundation
- equipment base level adjustment
- durability
- easy installation

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element thickness, mm</th>
<th>Elastic element color</th>
<th>Operating load range, kg</th>
<th>Equipment operating frequency, rpm</th>
<th>Minimum resonance frequency, Hz</th>
<th>Deflection, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Uni Pro 28/25</td>
<td>25</td>
<td>blue</td>
<td>12.21</td>
<td>&gt;1380</td>
<td>13,6</td>
<td>0,7..1,5</td>
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<tr>
<td>Vibrofix Uni Pro 28/50</td>
<td>50</td>
<td>blue</td>
<td>12.20</td>
<td>&gt;990</td>
<td>9,8</td>
<td>1,4..2,8</td>
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<td>pink</td>
<td>21.33</td>
<td>&gt;1140</td>
<td>11,0</td>
<td>1,0..2,1</td>
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<tr>
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<td>50</td>
<td>pink</td>
<td>20.33</td>
<td>&gt;790</td>
<td>7,1</td>
<td>2,0..5,0</td>
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<tr>
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<td>green</td>
<td>33.39</td>
<td>&gt;960</td>
<td>13,3</td>
<td>1,3..1,7</td>
</tr>
<tr>
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<td>50</td>
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<td>33.37</td>
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<td>25</td>
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<tr>
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<tr>
<td>Vibrofix Uni Pro 220/50</td>
<td>50</td>
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<td>&gt;910</td>
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<td>1,3..2,8</td>
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<tr>
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<td>50</td>
<td>grey</td>
<td>116.243</td>
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<tr>
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<td>25</td>
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<td>grey</td>
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<td>7,6</td>
<td>3,3..6,0</td>
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</table>

Technical specifications

Deflection of the elastic element depending on the static load*

* at the elastic element thickness of 50 mm
Vibrofix Level adjustable anti-vibration mounts are designed for active and passive vibration isolation of engineering and industrial equipment of various types:

- compressors
- industrial fans
- small and medium-sized machines
- industrial sewing machines
- pump stations
- chillers
- presses
- measuring equipment

Vibrofix Level anti-vibration mounts are made of durable galvanized steel with a thickness of 2.5 mm and equipped with a steel pin (M12) or female thread (M12). A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection. Anti-vibration mounts are maintenance-free during the entire service life, and they have perfect performance on the residual deformation of the elastic element, stable performance and high resistance to static and dynamic loads.

- efficient vibration isolation without the use of massive foundation
- equipment base level adjustment
- easy installation
- durability (service life of over 30 years)
- resistance to various aggressive media

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element color</th>
<th>Operating load range, kg</th>
<th>Equipment operating frequency, rpm</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Level 28</td>
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<td>13...16</td>
<td>&gt;1150</td>
<td>13,5</td>
<td>1,1...1,5</td>
</tr>
<tr>
<td>Vibrofix Level 42</td>
<td>pink</td>
<td>20...25</td>
<td>&gt;930</td>
<td>11,0</td>
<td>1,3...2,1</td>
</tr>
<tr>
<td>Vibrofix Level 55</td>
<td>green</td>
<td>25...30</td>
<td>&gt;1100</td>
<td>13,0</td>
<td>1,2...1,7</td>
</tr>
<tr>
<td>Vibrofix Level 110</td>
<td>brown</td>
<td>50...60</td>
<td>&gt;940</td>
<td>11,0</td>
<td>1,6...2,2</td>
</tr>
<tr>
<td>Vibrofix Level 220</td>
<td>brown</td>
<td>85...105</td>
<td>&gt;930</td>
<td>11,0</td>
<td>1,7...2,3</td>
</tr>
<tr>
<td>Vibrofix Level 450</td>
<td>grey</td>
<td>170...210</td>
<td>&gt;870</td>
<td>10,5</td>
<td>2,1...2,8</td>
</tr>
<tr>
<td>Vibrofix Level 850</td>
<td>turquoise</td>
<td>280...350</td>
<td>&gt;950</td>
<td>11,0</td>
<td>2,2...2,9</td>
</tr>
</tbody>
</table>

*at the elastic element thickness of 50 mm

### Vibrofix Level Dimensions, mm

[Diagram of Vibrofix Level dimensions]

Deflection of the elastic element depending on the static load

---

Vibrofix Level Pro vibration mounts are used for active and passive vibration isolation of engineering and industrial equipment of various types:

- passive vibration isolation of engineering and industrial equipment of various types:
- fans
- compressors
- chillers
- pump stations
- commercial plants
- presses
- measuring equipment

Vibrofix Level Pro vibration mounts are made of durable galvanized steel with a thickness of 10 mm. A threaded hole for the pin with a diameter of M12 is provided.

- equipment base level adjustment
- efficient vibration isolation without the use of massive foundation
- easy installation
- durability (service life of over 30 years)
- resistance to various aggressive media

### Vibrofix Level Pro Dimensions, mm

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element color</th>
<th>Operating load range, kg</th>
<th>Equipment operating frequency, rpm</th>
<th>Min. resonance frequency, Hz</th>
<th>Deflection, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Level Pro 28</td>
<td>blue</td>
<td>13...16</td>
<td>&gt;1150</td>
<td>13,5</td>
<td>1,1...1,5</td>
</tr>
<tr>
<td>Vibrofix Level Pro 42</td>
<td>pink</td>
<td>20...25</td>
<td>&gt;930</td>
<td>11,0</td>
<td>1,3...2,1</td>
</tr>
<tr>
<td>Vibrofix Level Pro 55</td>
<td>green</td>
<td>25...30</td>
<td>&gt;1100</td>
<td>13,0</td>
<td>1,2...1,7</td>
</tr>
<tr>
<td>Vibrofix Level Pro 110</td>
<td>brown</td>
<td>50...60</td>
<td>&gt;940</td>
<td>11,0</td>
<td>1,6...2,2</td>
</tr>
<tr>
<td>Vibrofix Level Pro 220</td>
<td>brown</td>
<td>85...105</td>
<td>&gt;930</td>
<td>11,0</td>
<td>1,7...2,3</td>
</tr>
<tr>
<td>Vibrofix Level Pro 450</td>
<td>grey</td>
<td>170...210</td>
<td>&gt;870</td>
<td>10,5</td>
<td>2,1...2,8</td>
</tr>
<tr>
<td>Vibrofix Level Pro 850</td>
<td>turquoise</td>
<td>280...350</td>
<td>&gt;950</td>
<td>11,0</td>
<td>2,2...2,9</td>
</tr>
</tbody>
</table>

*at the elastic element thickness of 50 mm

---

Vibrofix Level Pro vibration mounts are made of durable galvanized steel with a thickness of 10 mm and equipped with a steel pin (M12) or female thread (M12). A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection. Anti-vibration mounts are maintenance-free during the entire service life, and they have perfect performance on the residual deformation of the elastic element, stable performance and high resistance to static and dynamic loads.

- efficient vibration isolation without the use of massive foundation
- equipment base level adjustment
- easy installation
- durability (service life of over 30 years)
- resistance to various aggressive media
Vibrofix Level Pro adjustable anti-vibration mounts are used for active and passive vibration isolation of engineering and industrial equipment of various types:

- processing equipment
- chillers
- ventilation units
- commercial plants
- compressors
- pump stations

Vibrofix Level Pro vibration mounts are made of durable galvanized steel with a thickness of 10 mm. A threaded hole for the pin with a diameter of M12 is provided on the upper metal plate. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection. Anti-vibration mounts are maintenance-free during the entire service life, they have perfect performance on the residual deformation of the elastic element, stable performance and high resistance to static and dynamic loads.

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element thickness, mm</th>
<th>Elastic element color</th>
<th>Operating load range, kg</th>
<th>Equipment operating frequency, rpm</th>
<th>Minimum resonance frequency, Hz</th>
<th>Deflection, mm</th>
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<tbody>
<tr>
<td>Vibrofix Level Pro 28/25</td>
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<td>blue</td>
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<td>12.9</td>
<td>0.8...1.7</td>
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<td>blue</td>
<td>51...81</td>
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<td>9.2</td>
<td>1.5...3.1</td>
</tr>
<tr>
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<td>75</td>
<td>blue</td>
<td>49...79</td>
<td>&gt;1800</td>
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<td>2.2...4.5</td>
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<td>85...128</td>
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<td>2.4</td>
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<tr>
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<td>pink</td>
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<td>&gt;1140</td>
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<td>green</td>
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<td>3.9...5</td>
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<tr>
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<tr>
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<td>154...318</td>
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<td>1.9...4.6</td>
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<td>2.8...6.5</td>
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<td>1.1...2.5</td>
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<tr>
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<td>318...569</td>
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<td>2.4...5</td>
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<tr>
<td>Vibrofix Level Pro 220/75</td>
<td>75</td>
<td>red</td>
<td>300...507</td>
<td>&gt;780</td>
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<td>3.5...6.6</td>
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<td>1.4...2.9</td>
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<td>50</td>
<td>grey</td>
<td>569...1140</td>
<td>&gt;1020</td>
<td>7</td>
<td>2.7...5.8</td>
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<tr>
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<td>3...8.2</td>
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<td>1.4...2.6</td>
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<td>turquoise</td>
<td>1140...1871</td>
<td>&gt;900</td>
<td>7.8</td>
<td>3.2...5.6</td>
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<tr>
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<td>75</td>
<td>turquoise</td>
<td>1035...1711</td>
<td>&gt;720</td>
<td>6.3</td>
<td>0.8...1.7</td>
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</tbody>
</table>

*at the elastic element thickness of 50 mm
Vibrofix Spring 1 SD steel spring vibration dampers consist of the base plate and cylindrical screw spring produced by Reinicke (Germany). Height adjustment is performed via a threaded rod M10. Corrosion protection: at option, galvanic or cataphoresis coating (KTL). To reduce the transmission of structure-borne noise to structures and buildings Vibrofix Spring 1 SD spring vibration dampers can additionally be completed with resilient pad of polyurethane elastomer (Getzner Werkstoffe, Austria), specially designed for solving problems in the field of vibration protection.

- Mounting height, diameter and connecting thread are the same for all types, which guarantees the interchangeability
- Low resonance frequency
- Spring is well visible, so it is possible to view the distance between the spring coils under load without disassembly
- Easy installation

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Operating load range, kg</th>
<th>R rigidity, kg/mm</th>
<th>Resonance frequency, Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Spring 1 (SR) SD-1</td>
<td>12.27</td>
<td>0.8</td>
<td>2.7..4.1</td>
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<tr>
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<td>1.3</td>
<td>2.9..4.1</td>
</tr>
<tr>
<td>Vibrofix Spring 1 (SR) SD-3</td>
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<td>2.1</td>
<td>2.8..4.1</td>
</tr>
<tr>
<td>Vibrofix Spring 1 (SR) SD-4</td>
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<td>3.2</td>
<td>2.6..4.1</td>
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<td>Vibrofix Spring 1 (SR) SD-5</td>
<td>73.173</td>
<td>4.9</td>
<td>2.7..4.1</td>
</tr>
<tr>
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<td>7.7</td>
<td>2.6..4.1</td>
</tr>
<tr>
<td>Vibrofix Spring 1 (SR) SD-7</td>
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<td>2.8..4.1</td>
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<tr>
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<td>19.1</td>
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<tr>
<td>Vibrofix Spring 1 (SR) SD-9</td>
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<td>23.9</td>
<td>3.4</td>
</tr>
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</table>

Deflection of the elastic element depending on the static load
Vibrofix Spring SD
INTERLOCKED SPRING VIBRATION DAMPERS

Vibrofix Spring 2 SD, 4 SD, 6 SD interlocked spring vibration dampers consist of two base plates and a unit of several cylindrical screw springs produced by Reinicke (Germany). To achieve maximum efficiency and improved stability of the equipment spring units can be completed with different types of springs. Corrosion protection: at option, galvanic or cataphoresis coating (KTL). To reduce the transmission of structure-borne noise to the structures and buildings Vibrofix Spring 2 SD, 4 SD, 6 SD spring vibration dampers can additionally be completed with resilient pad of polyurethane elastomer (Getzner Werkstoffe, Austria), specially designed for solving problems in the field of vibration protection.

- configurability of the spring unit with different types of springs maximizes the efficiency
- low resonance frequency
- corrosion protection
- easy installation

<table>
<thead>
<tr>
<th>Technical specifications</th>
<th>Mount type</th>
<th>Operating load range, kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Spring 2 (SR) SD</td>
<td>24...1306</td>
<td></td>
</tr>
<tr>
<td>Vibrofix Spring 4 (SR) SD</td>
<td>48...2612</td>
<td></td>
</tr>
<tr>
<td>Vibrofix Spring 6 (SR) SD</td>
<td>72...3918</td>
<td></td>
</tr>
</tbody>
</table>
Vibrofix Spring 1 DSD steel spring vibration dampers consist of the base plate and cylindrical screw spring produced by Reinicke (Germany). Corrosion protection: all DSD-type vibration damper springs have are cataphoresis coated (KTL). The core piece of this element is the damping medium of special polyurethane elastomer (Getzner Werkstoffe, Austria), which corresponds exactly to the stiffness of the spring. Damping material is permanently elastic and break-proof. To reduce the transmission of structure-borne noise to the structures and buildings Vibrofix Spring 1 DSD spring vibration dampers can additionally be completed with resilient pad of polyurethane elastomer, specially designed for solving problems in the field of vibration protection.

- damping insert provides high resistance of the equipment to shock dynamic loads
- low resonance frequency
- damping material is elastic and break-proof

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Operating load range, kg</th>
<th>Optimum load*, kg/mm</th>
<th>Resonance frequency, Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Spring 1 [SR] DSD-1</td>
<td>12..33</td>
<td>26</td>
<td>4,9</td>
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<tr>
<td>Vibrofix Spring 1 [SR] DSD-2</td>
<td>14..41</td>
<td>38</td>
<td>4,5</td>
</tr>
<tr>
<td>Vibrofix Spring 1 [SR] DSD-3</td>
<td>28..69</td>
<td>61</td>
<td>4,4</td>
</tr>
<tr>
<td>Vibrofix Spring 1 [SR] DSD-4</td>
<td>39..102</td>
<td>92</td>
<td>3,9</td>
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<tr>
<td>Vibrofix Spring 1 [SR] DSD-5</td>
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<td>148</td>
<td>4,6</td>
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<tr>
<td>Vibrofix Spring 1 [SR] DSD-6</td>
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<td>214</td>
<td>4,0</td>
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<td>Vibrofix Spring 1 [SR] DSD-7</td>
<td>112..367</td>
<td>337</td>
<td>4,8</td>
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<tr>
<td>Vibrofix Spring 1 [SR] DSD-8</td>
<td>194..582</td>
<td>541</td>
<td>5,1</td>
</tr>
</tbody>
</table>

* values of optimal load and resonance frequency are given for deflection of 24 mm

#### Vibrofix Spring X SR DSD-X

- type of springs
- vibration damper type
- elastomeric pad availability
- number of springs in the unit

Deflection of the elastic element depending on the static load.
Vibrofix Spring DSD
INTERLOCKED SPRING/ELASTOMER VIBRATION DAMPERS

Vibrofix Spring 2 DSD, 4 DSD, 6 DSD interlocked spring vibration dampers consist of two base plates and a unit of several cylindrical screw springs produced by Reinicke (Germany). To achieve maximum efficiency and improved stability of the equipment spring units can be completed with different types of springs. Corrosion protection: all DSD-type vibration damper springs are cataphoresis coated (KTL). Damping medium of a special polyurethane elastomer (Getzner Werkstoffe, Austria) is elastic and break-proof. To reduce the transmission of structure-borne noise to the structures and buildings Vibrofix Spring 2 SD, 4 SD, 6 SD spring vibration dampers can additionally be completed with resilient pad of polyurethane elastomer, specially designed for solving problems in the field of vibration protection.

- configurability of the spring unit with different types of springs maximizes the efficiency
- damping material is elastic and break-proof
- low resonance frequency

Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Operating load range, kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Spring 2 (SR) DSD</td>
<td>24.1306</td>
</tr>
<tr>
<td>Vibrofix Spring 4 (SR) DSD</td>
<td>48.2328</td>
</tr>
<tr>
<td>Vibrofix Spring 6 (SR) DSD</td>
<td>72.3492</td>
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</table>
Vibrofix Trafo mounts are used as anti-vibration mounts to reduce the acoustic impact and vibration transmission from transformers to the structures and buildings. Vibration isolator type is selected on the basis of transformer’s own weight and specifications. The vibration level reduction reaches 35 dB (98%) at the operating frequency of the transformers.

Vibrofix Trafo mounts are made of durable galvanized steel with a thickness of 10 mm. Vibration mounts are designed to provide a fixed position of the transformer’s own mounts. A polyurethane elastomer (Getzner Werkstoffe, Austria) is applied as an elastic element, specially designed for solving problems in the field of vibration protection.

- mounts provide uniform load distribution over the entire area of the elastic element
- high efficiency at the operating frequency of the transformers
- easy installation

### Technical specifications

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Elastic element color</th>
<th>Transformer’s own weight, kg</th>
<th>Maximum load per mount, kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrofix Trafo 220</td>
<td>red</td>
<td>up to 1800</td>
<td>450</td>
</tr>
<tr>
<td>Vibrofix Trafo 450</td>
<td>grey</td>
<td>up to 3600</td>
<td>900</td>
</tr>
<tr>
<td>Vibrofix Trafo 850</td>
<td>turquoise</td>
<td>up to 6100</td>
<td>1525</td>
</tr>
</tbody>
</table>

### Vibrofix Trafo

Deflection of the elastic element depending on the mount load
Installation

Installation Guidelines

Ceiling

When installing KNAUF suspended ceiling using Vibrofix acoustic mounts the hanger spacing is selected according to KNAUF technology requirements. Vibrofix mounts are installed on the ceiling slab using metal anchors. The suspended ceiling frame is secured with U-shaped brackets or adjustable suspensions on the spokes. To increase the sound-insulation value of the suspended ceiling it is recommended to fill the frame with acoustic mineral wool. In order to avoid flanking transmission the frame elements and gypsum plasterboards must adjoin the lateral faces of the walls via resilient pads.

Walls

When installing KNAUF plasterboard linings using Vibrofix acoustic mounts the mount spacing is selected according to KNAUF technology requirements. To increase the sound reduction index of the linings it is recommended to fill the frame with acoustic mineral wool. In order to avoid flanking transmission the frame elements and gypsum plasterboards must adjoin the walls and floors via resilient pads. Mounting of Vibrofix Liner sound isolation profiles to the filler structures is performed exclusively through the standard mountings. When installing KNAUF partitions and linings using Vibrofix Liner profiles the profile type is selected according to KNAUF technology requirements.

Floor

The number and spacing of Vibrofix Floor mounts is selected based on the floor surface density and the payload specified for that type of room. In addition, to ensure efficient sound isolation the load on each of the mounts should be in the range of operating loads specified in the technical specifications for that mount. Vibrofix Floor mounts are fixed to the slab with dowels or anchors with a diameter of 6 mm. As joists it is recommended to use a dry wooden beam (minimum section of 50 x 40 mm). During installation, the floor joists are leveled up and fixed within the mount with drywall screws.

Engineering equipment

Selection of mounts for vibration isolation of engineering equipment is based on the type of equipment, mounting arrangement, weight and operating frequency of its vibration. Installation of Vibrofix Techno and Vibrofix Uni mounts to the ceiling is performed with metal anchors with a diameter of 6 mm. Vibrofix Level adjustable vibration dampers are mounted to the frame of the equipment to be vibration isolated and leveled up using threaded connection. Installation of equipment with the use of Vibrofix Block and Vibrofix Spring anti-vibration mounts is performed according to the design.
Vibrofix® is a registered trademark. The manufacturer reserves the right to make changes in the design of products, without impairing their performance.

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