

ANTI VIBRATION SYSTEMS BUND ACCESSORIES

Use

Electrical transformers in service can transmit **vibrations** through the oil retention metallic bunds that are then spread into the surrounding environment. These vibrations can increase the ambient noise level which can be detrimental for the comfort of users. GMT offers **anti-vibration solutions** which will permit the attenuation of this specific nuisance.

Absorption up to 70%

KAB anti-vibration pads can absorb shocks and vibrations with an efficiency up to 70 %. These **KAB pads** are available in different hardnesses, each with its own frequency range and absorption capacity. We have chosen two specific hardnesses for use with oil retention bunds, corresponding to the insulation of the tank itself from the ground, and the insulation of transformer wheels on the tank support beams or the bottom of our tanks. Made of nitrile rubber, the pads resist practically all types of oil used in the transformer industry.



Delivery: Available in stock or 2 to 3 weeks from PO receipt

References	To locate	Use	Quantity	Dimensions in mm	Load in daN/cm ²	Weight of the kit in kg
KAB 225N8	Under the retention bund or charge spreading plate	Indoor only	Batch of 4	225x225x8	1,5 - 5,0	1,5
KAB 220G8		Indoor or Outdoor		220x220x8	1,0 – 4,0	1,7
KAB 220V13	Under the transformer wheels			220x220x13	8,0 – 20,0	1,8

Minimum Absorption up to 98%

Where the highest levels of vibration attention are required, the **silentblocks NoVib99** have been designed to have a minimum absorption of 98% of vibrations produced by electrical transformers.

Those products must be installed in place of the transformer wheels. The assembly has a natural frequency of 3 to 5 Hz depending on the load. In case of a 50 Hz frequency, a minimum absorption of 99,4% is reached.

The model for indoor use does have high resistance to oil and temperature while the model for outdoor use is highly resistant to oil, corrosion and temperature.



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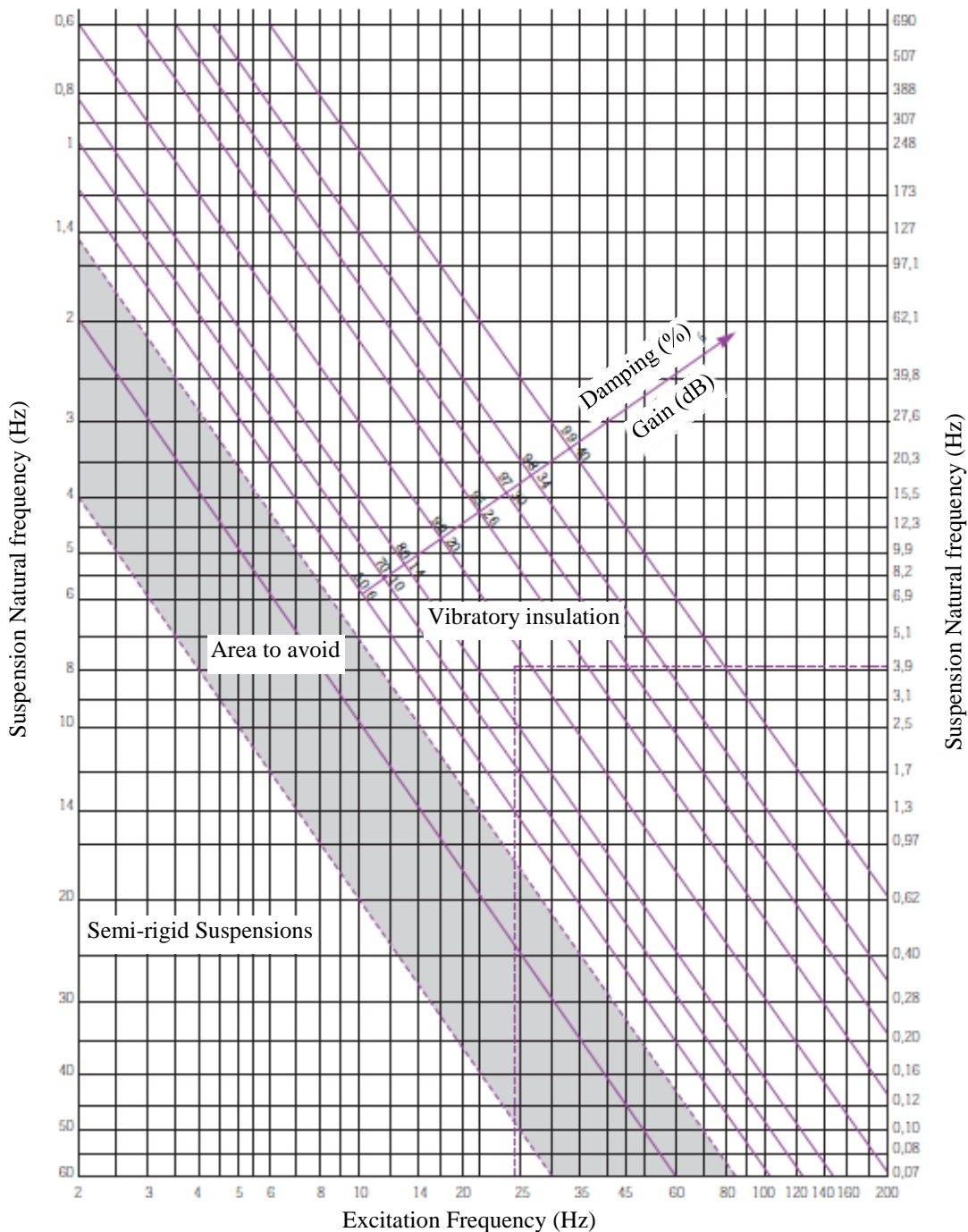
Item code	To locate	Use	Quantity	Static load per support (in kg)	Static load per set of 4 (in kg)	Set gross weight (in kg)
NOVIB-1600I	Instead of transformer wheels	Indoor use only	Set of 4	100 to 400	400 to 1 600	2
NOVIB-5600I				350 to 1 400	1400 to 5 600	
NOVIB-14720I				920 to 3 680	3 680 to 14 720	
NOVIB-1800E		Outdoor use only		200 to 450	800 to 1 800	4
NOVIB-3200E				450 to 800	1 800 to 3 200	5
NOVIB-4800E				800 to 1 200	3 200 to 4 800	14
NOVIB-8000E				1 200 to 2 000	4 800 to 8 000	28
NOVIB-12800E				2 000 to 3 200	8 000 to 12 800	

Réf. : Novib FTech [EN] Rév. 0 Page 1 / 2	GMT - ZI Courtine - 405, rue du Grand Gigognan - 84000 Avignon - France Tél : +33 (0)4.90.85.08.64 - Fax : +33 (0)4.90.25.61.10 e-mail : gmt@gmtinternational.fr / Web : www.gmtinternational.fr AKHELEC - 337 Paseo de Ferrocarril, 1º 4ª - 08860 Castelldefels - Spain Ph : +34 932 72 39 00 - M : +34 630 918 052 e-mail International : akhelec@akhelec.com / Web : www.akhelec.com	Mise à jour : 02/12/2019 Auteur : PGO
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For any other loads, please contact our commercial department

Calculation Chart:

Damping according to natural frequency and to excitation frequency



- Select the excitation of the equipment to be insulated on the horizontal axis "Excitation Frequency (Hz)" (Transformer at 50 Hz).
- Go up until crossing the horizontal line that go through the natural frequency of the selected suspension (NoVib range between 3 to 5 Hz).
- At the intersection of these 2 lines lay the oblique line that indicates the percentage of vibration damping for the selected suspension and for a given vibration.

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