SILENTFLEX
vibration control

ISO 9001
BUREAU VERITAS
Certification

Floor shock absorber



25 - 40 Hz
Natural frequency

20 - 80 kg
Static load

- 70°C + 500°C
Operating temperature

Components

- **Body** - aluminum 6082T6
- **Shock absorber** - metallic cushion in AISI 304 stainless steel wire mesh
- **Bolts** - stainless steel A2



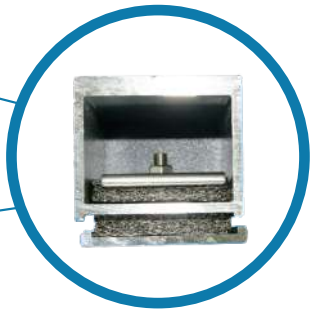






Description

100% metal anti-vibration mount made up of **two cushions** that are positioned in such a way that they can work both in **compression** and **traction**.



Floating floor
High-speed trains

Application

They were initially designed to prevent vibrations from **train floors** and reduce some of the airborne noise.
They are also used for different types of **floating floors** and **on-board equipment.**

- Train floating floors
- Air-conditioning
- Buses

Specifications

They are **resistant** to chemicals, corrosion, extreme temperatures, sunlight and fire. Perfectly suitable for outdoor use.

Significantly reduce structural vibrations **without the need for maintenance.**

Magnificent **fatigue resistance** behaviour, **tested at 3M cycles.**

Withstands **overloads 10 times its nominal load** without cracking or permanent deformation.

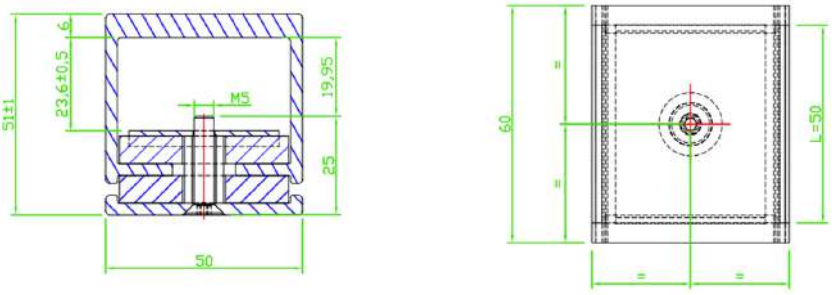
Shock absorber weight:
220 gr ± 3%

Static load:
20 - 80 kg

Natural frequency:
25 - 40 Hz

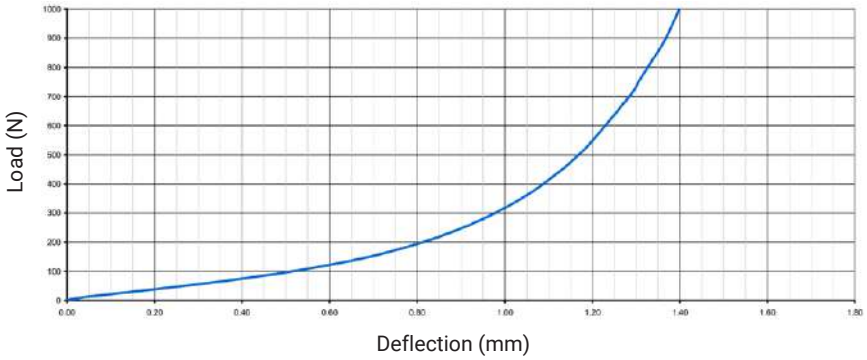
Operating temperature:
from -70 to +500 °C

Dimensions

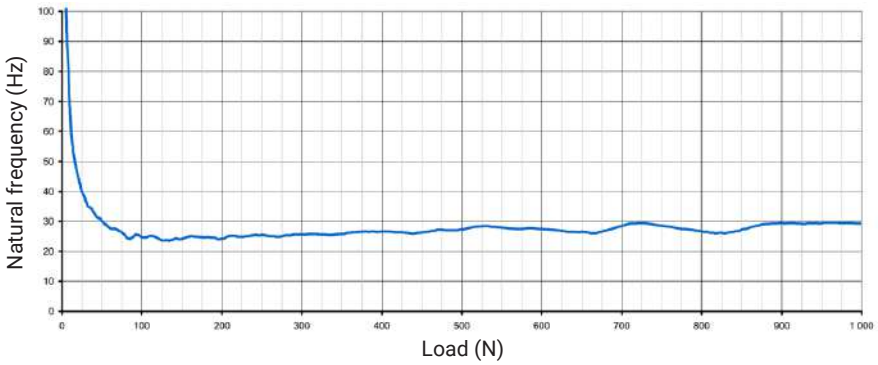


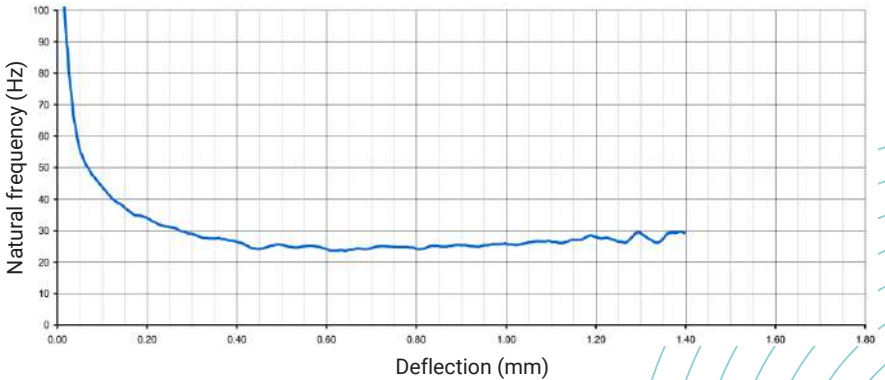
Laboratory research

Vertical static load vs. deflection



Estimated natural frequency by static test





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Tejasa TC LLC / Silentflex®

Leading Spanish manufacturer and supplier of noise and vibration isolators, anti-vibration mounts and dampers with more than 30 years of experience in vibration control.

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