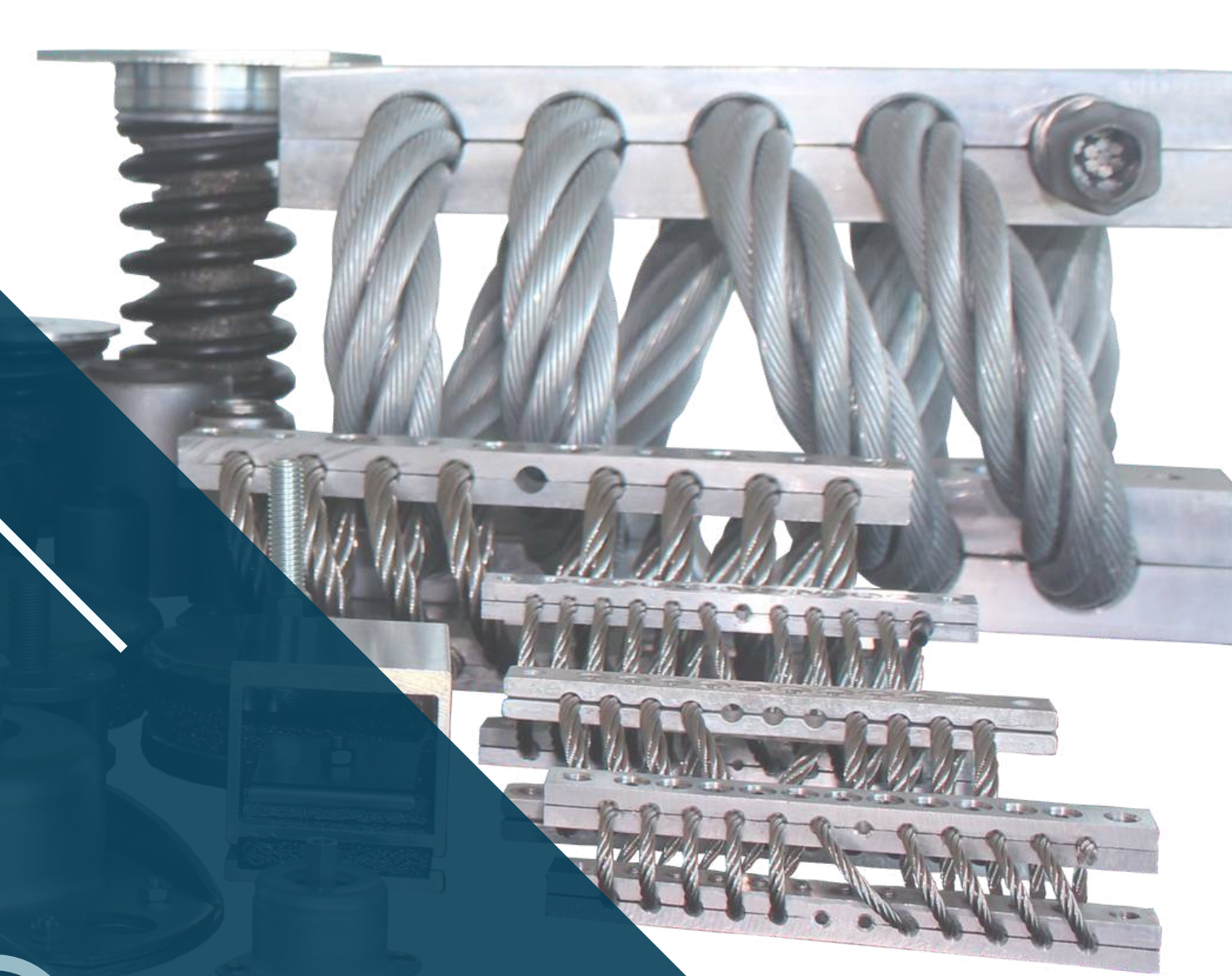


MANUFACTURING COMPANY

TEJASA SILENTFLEX®

Top quality anti-vibration mounts



About us

Tejasa - Silentflex

Tejasa company was founded in 1989 in Spain and is well known for its own high-quality brand of anti-vibration mounts Silentflex®



OUR BUSINESS ACTIVITIES

- **OWN PRODUCTION**
(SILENTFLEX® TRADEMARK)
- **PRODUCTS DISTRIBUTION**
(PAULSTRA, VIBRACHOCK, CONTINENTAL ETC.)



Quality standard ISO 9001 compliance

All our products fully comply with international quality standards

International trade experience

Our customers are well-known companies worldwide (Europe, USA, South America, etc.)

Research and development

New product designs and own patented technologies

**Why
Silentflex®?**



SILENTFLEX® MAIN CLIENTS

HITACHI

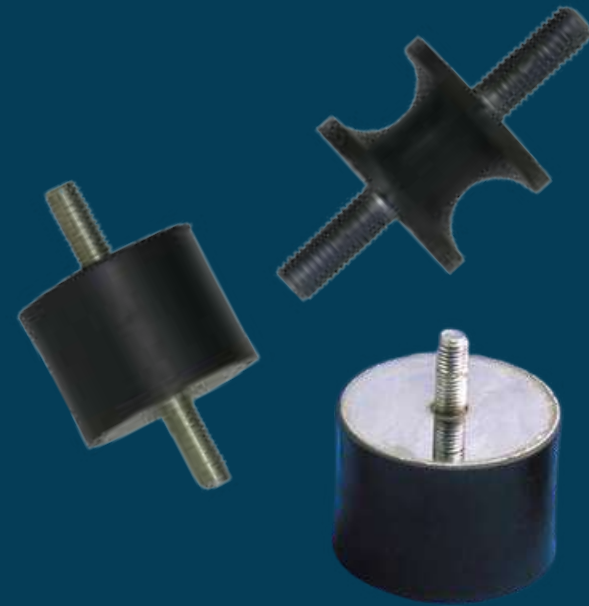
BOMBARDIER

Schneider
Electric

 **Nestlé**


ALBA





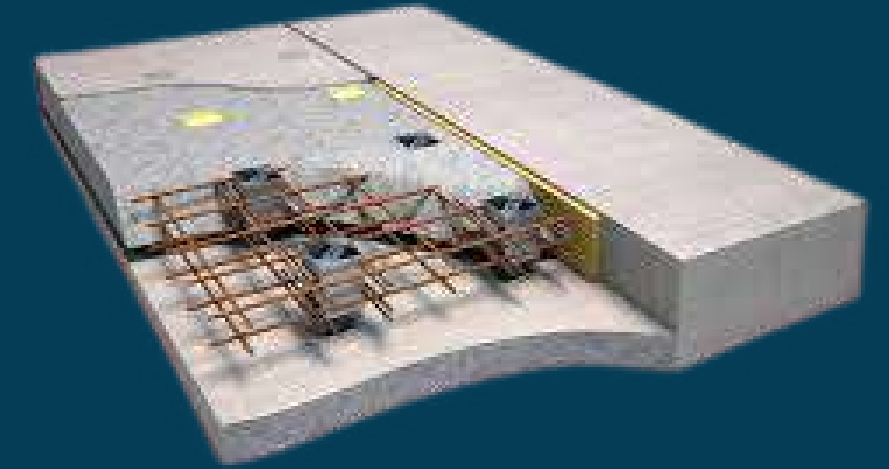
RUBBER-METAL RANGE

Traditional vibration isolators
Market price



METAL RANGE

Silentflex® specialization
Best prices on the market
Own production
Own patents and utility models



FLOATING SLAB

Patented technology
Maximum isolation efficiency
Ease of installation and adaptation

OUR ANTI-VIBRATION MOUNTS



Applications of Silentflex® products



TRANSPORT (maritime, air, terrestrial, railway)



INDUSTRY (equipment, machine tools, air conditioners)



TELECOMMUNICATIONS (server racks, data centers)



CONSTRUCTION (floor, ceiling, building structures)



DEFENCE (military equipment and transport)



TRANSPORT

Silentflex® high-strength anti-vibration mounts are successfully used in various types of transport



➤ Maritime transport



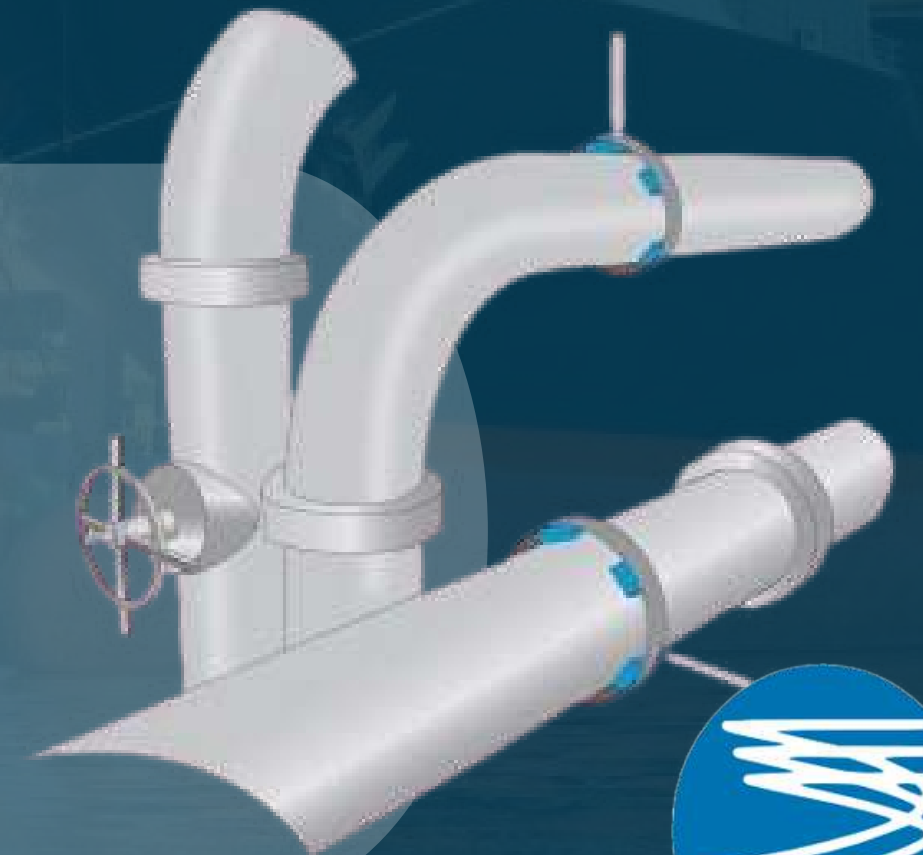
Passenger cabins



Heat engine



Pipes and ducts

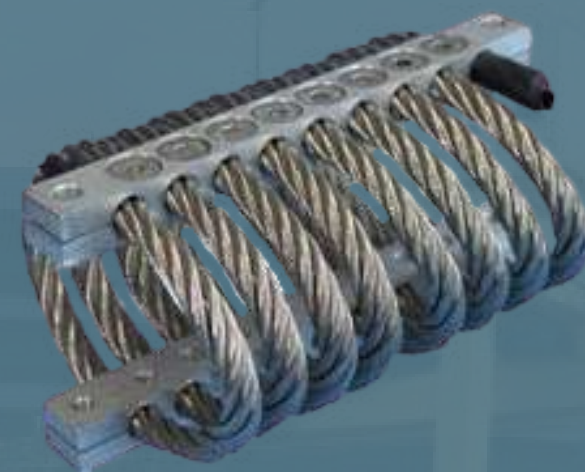


➤ Railway transport

High speed trains



➤ Special transport



➤ Onboard electronics



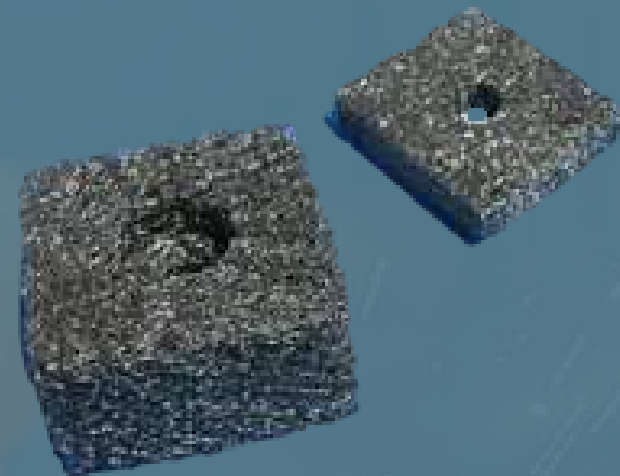
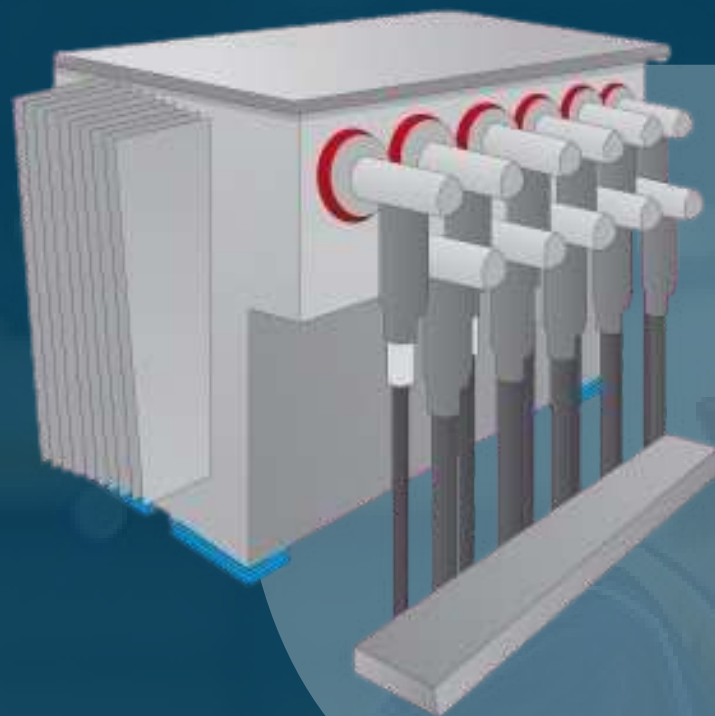


INDUSTRY

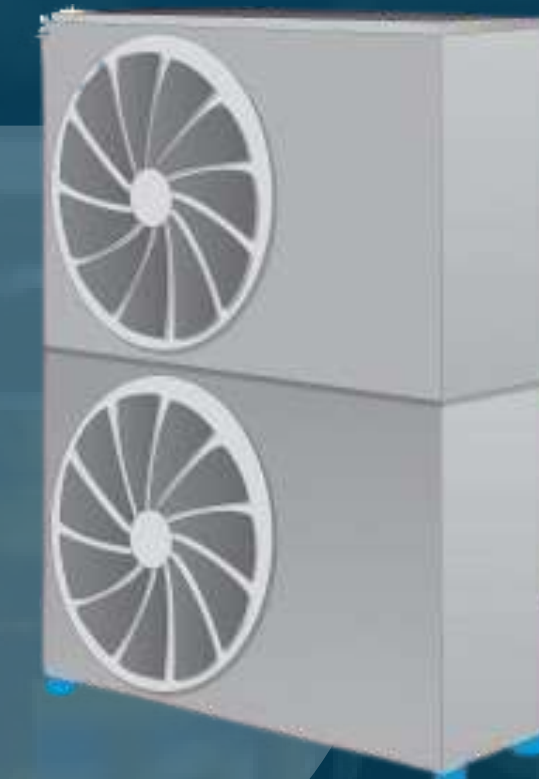
Silentflex® vibration dampers prevent premature wear of equipment and unexpected breakdowns, reduce noise and vibration in rooms



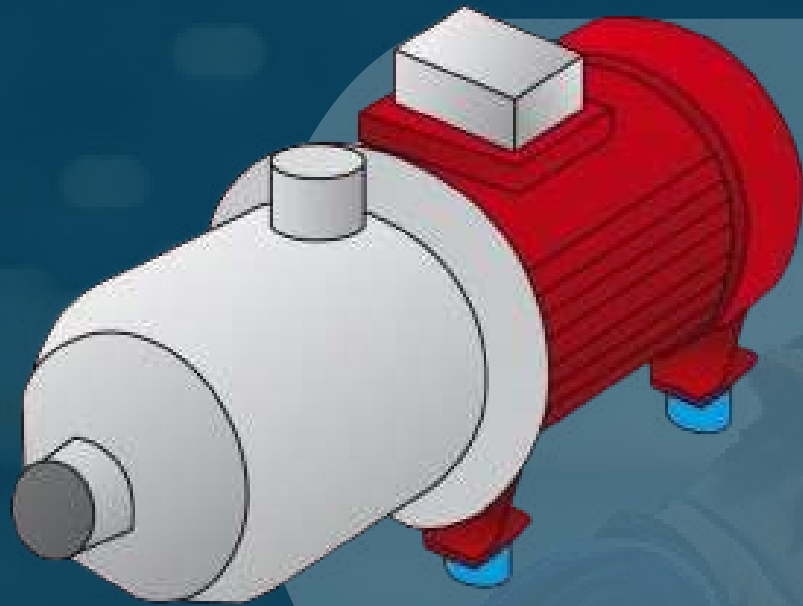
Electric transformers



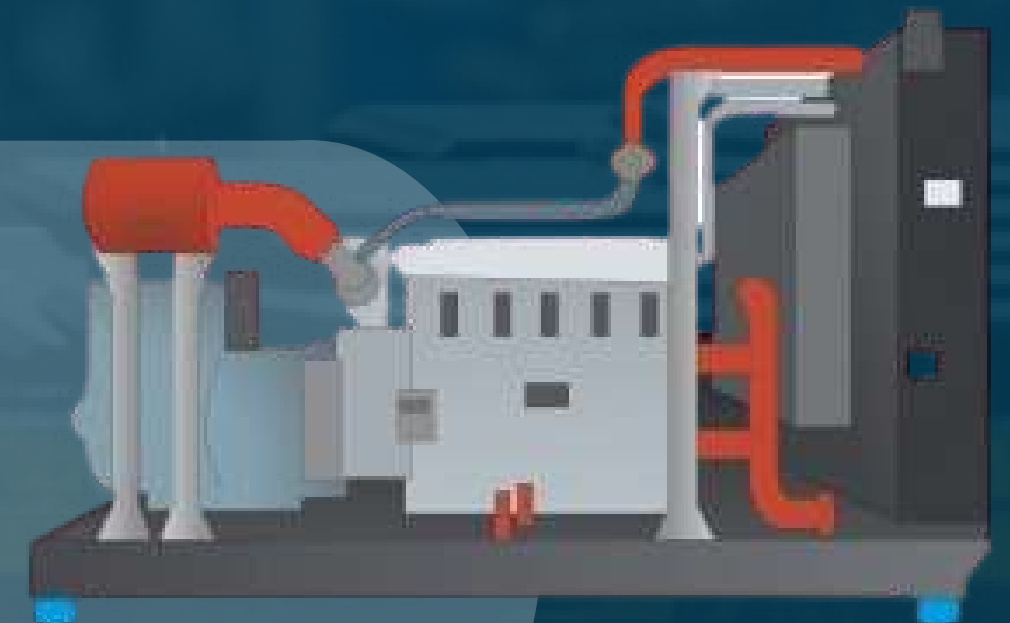
Air conditioners



Engines

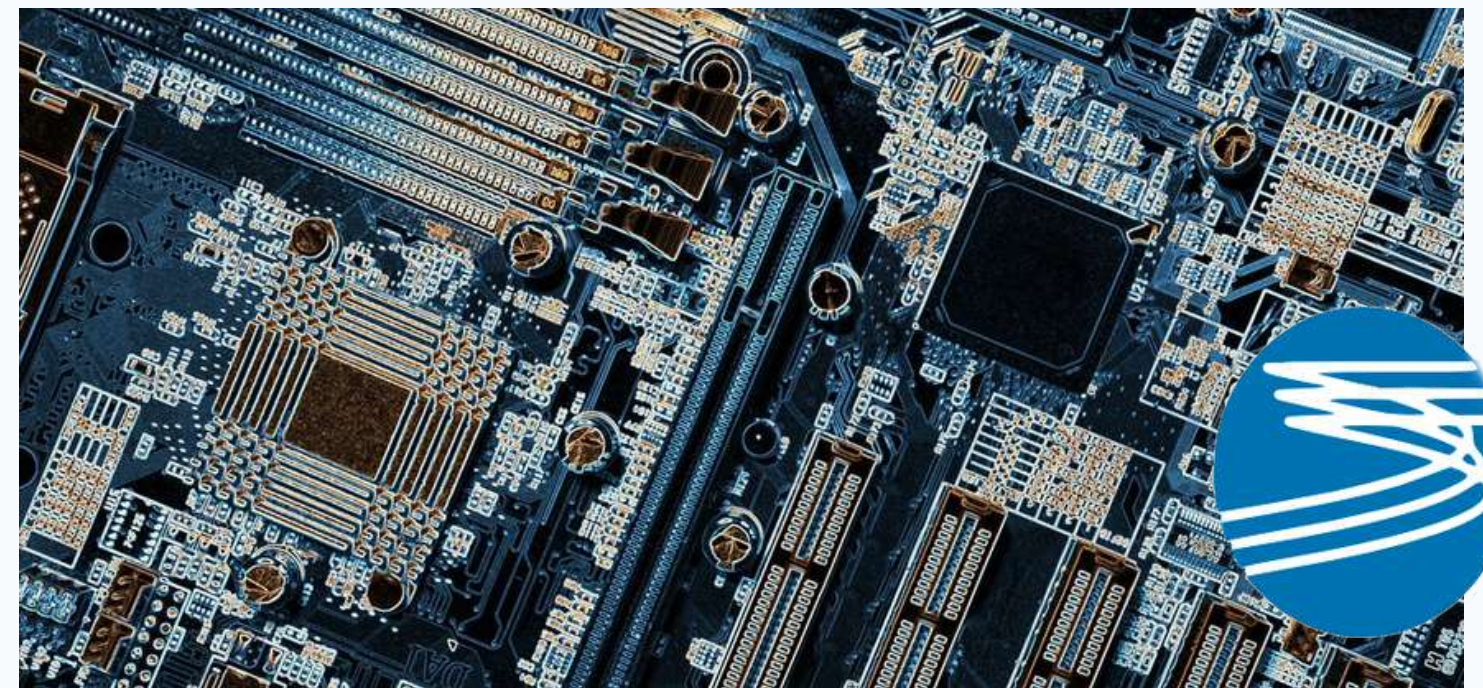


Generator
equipment

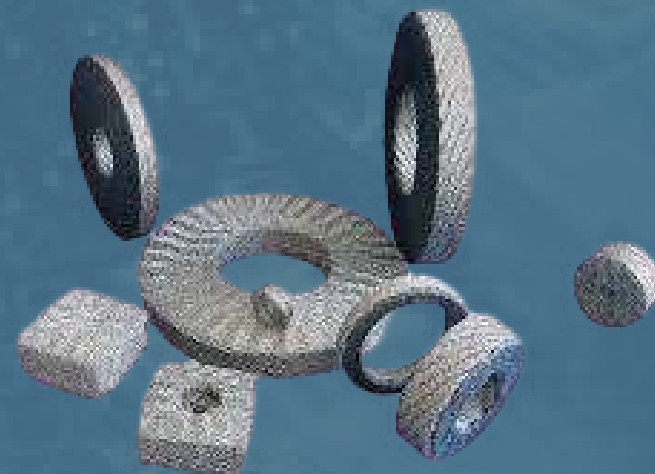
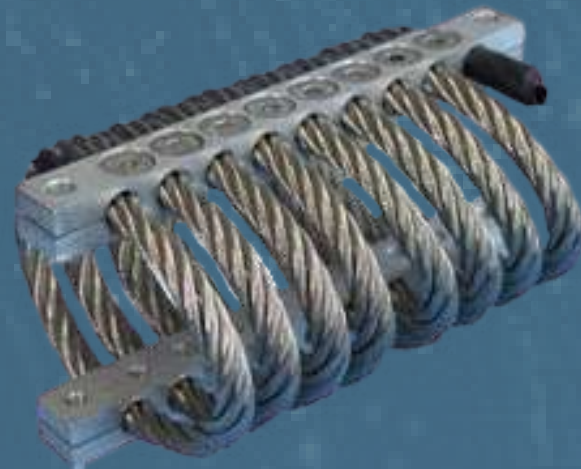
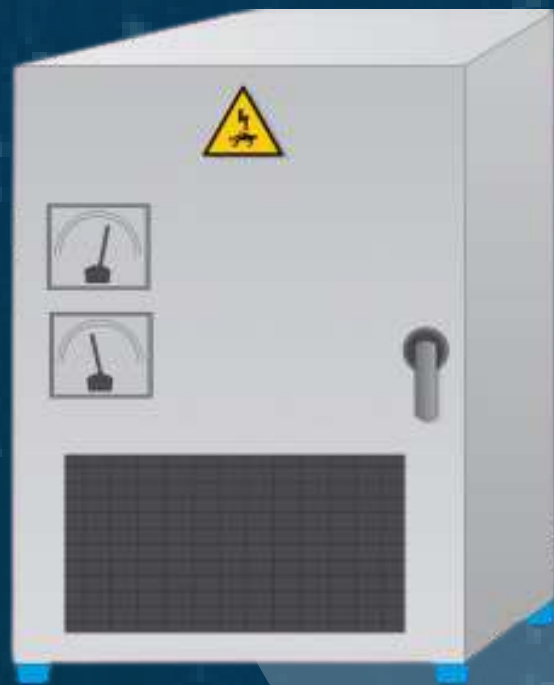


TELECOMMUNICATIONS

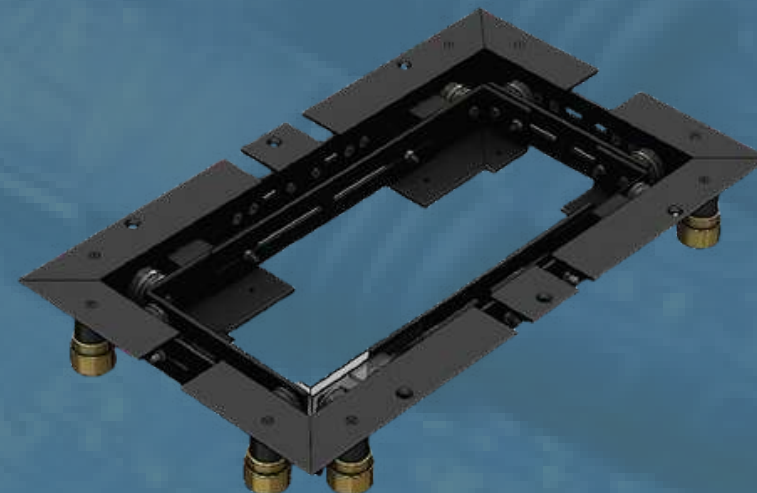
Silentflex® vibration dampers effectively isolate telecommunication racks, server cabinets, and data centers from vibration



Electrical cabinets



Racks





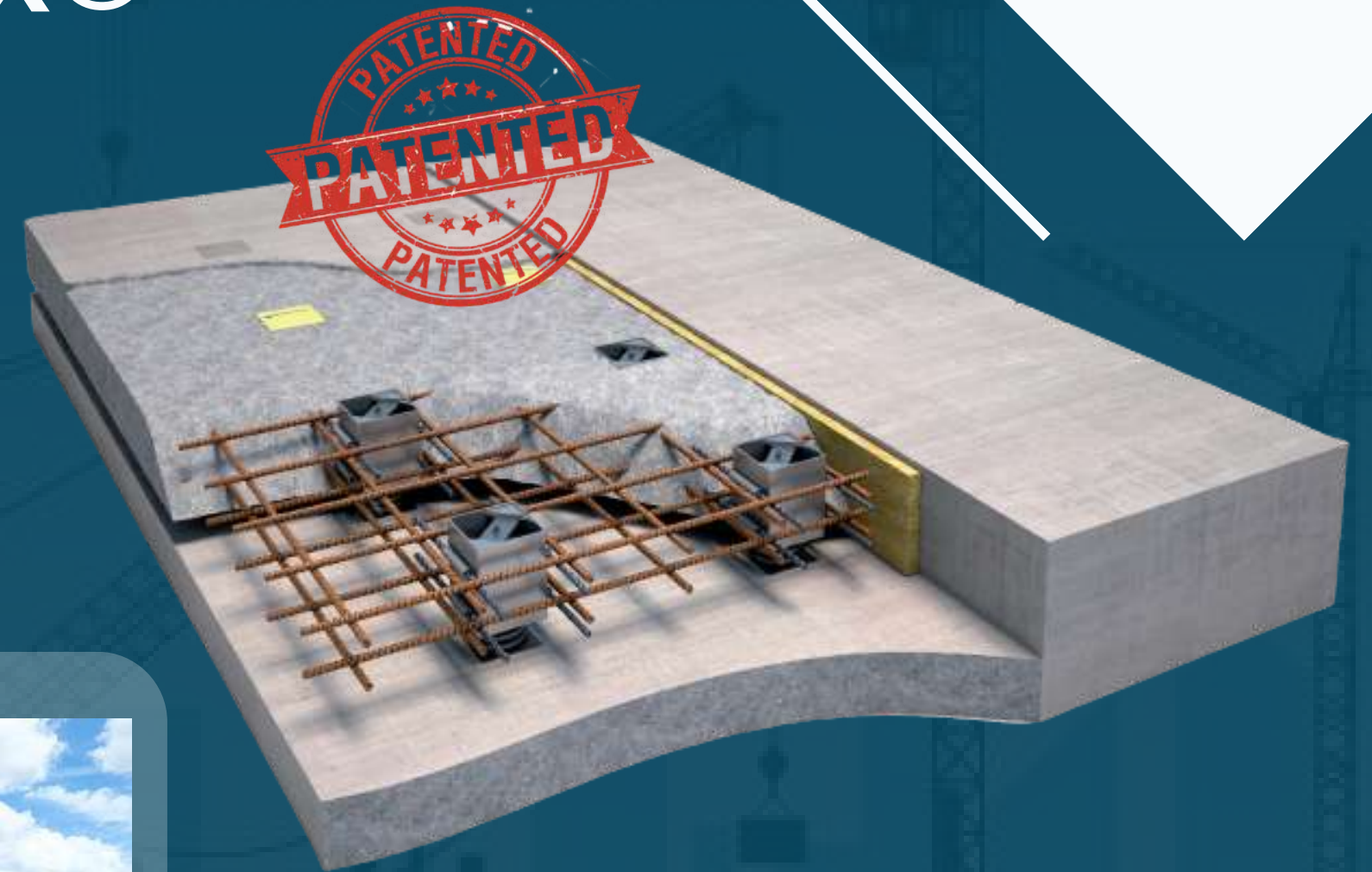
CONSTRUCTION

Silentflex® products are widely used for structural noise and vibration control in buildings and industries



Floating slab Silentflex®

The best solution for insulating large surface areas

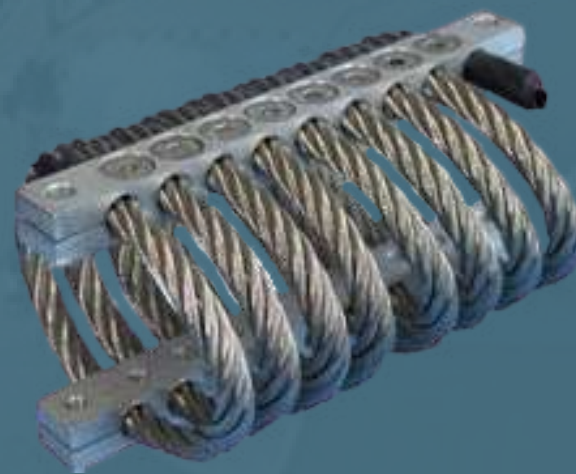


DEFENCE

Silentflex® vibration isolators withstand increased vibrations and impulse shocks onboard terrestrial, air, and naval military transport

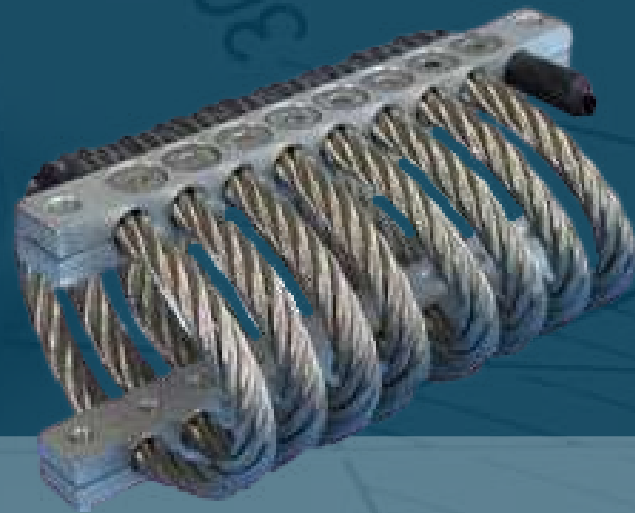


Heavy machinery,
armored vehicles

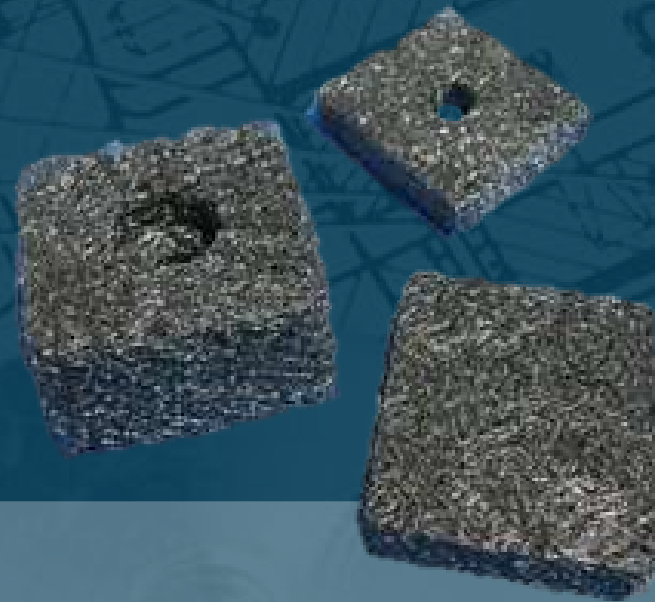


OUR SPECIALIZATION

Own production of modern anti-vibration
mounts under Silentflex® trademark
100% metal range for the best quality



Wire rope isolators



Metallic cushions

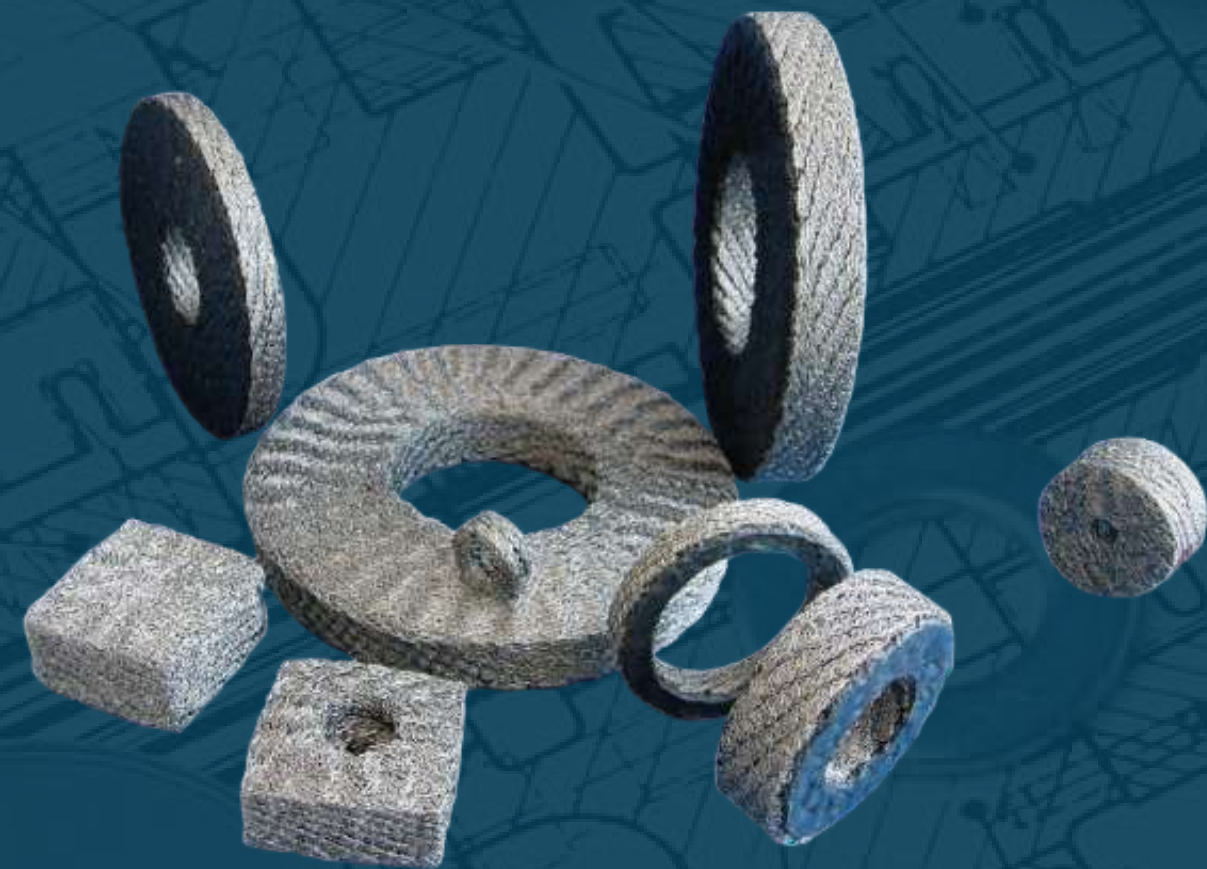


Machine leveling feet



Characteristics: metallic cushions

- Made of drawn, woven **100% stainless steel** wire
- Compressed into **any geometric shapes**
- Resistant to **harsh environments**
- Can be developed and produced **on request**
- High-strength and **maintenance-free**



Advantages

Metal vs Rubber

01

Made for every particular need

02

Competitive price

03

Stability under a wide range of loads

04

Withstands overloads without permanent height loss

05

Not affected by sun exposition

06

Infinite fatigue life and fire resistance

07

Works under corrosive environments, oils, water, fuels, etc.

08

Working under extreme temperatures (- 70 °C to + 500 °C)

09

Doesn't emit any gases



Metallic Cushions Assembly

Loading the machine
from above

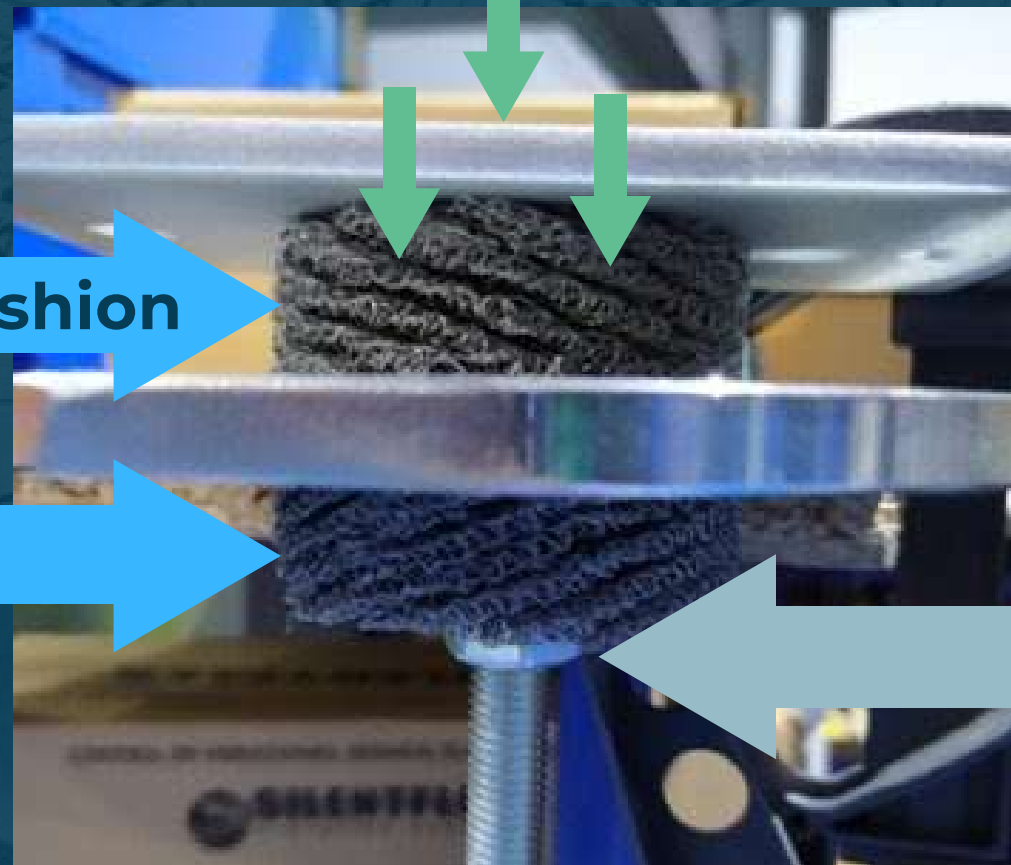
Works by supporting
the weight

Compression cushion

Tension cushion

Works when the load
direction changes
(holdback)

Working
principle



- ▶ Precompression can be added by tightening the nut
- ▶ Modify the stiffness
- ▶ Modification of the natural frequency of the insulator for better performance

Pre-compression nut



Metallic Cushion



Balance of the structure thanks to the double cushion:
one working by supporting the load, isolating and absorbing vibrations and another working as a restraint in the event of a broken road or sudden braking for example

* Click on the picture to see an explanatory video on the principle of operation of vibration dampers with two metallic cushions



Contact



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