SILENTFLEX
vibration control

ISO 9001
BUREAU VERITAS
Certification

Flexible bush
100% metallic



25 - 40 Hz
Natural frequency

200 - 1 100 kg
Static load

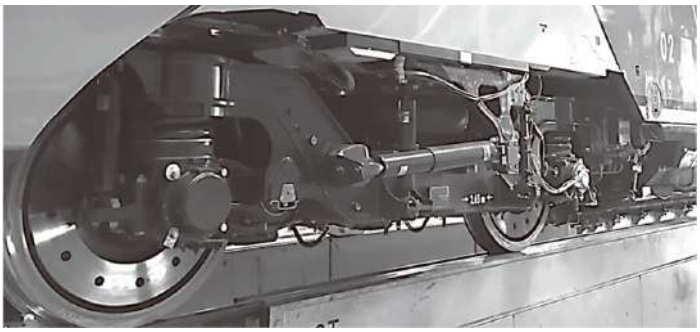
- 70°C + 500°C
Operating temperature

Components

- **Body** - stainless steel AISI 304
- **Inner cylinder** - stainless steel AISI 304
- **Shock absorber** - metallic cushion in AISI 304 stainless steel wire mesh

100% METAL





Description

The flexible bush is an innovative **100% metal** shock absorber **patented** under the Silentflex brand name.

It consists of **multiple elastic elements** placed around the inner hollow cylinder in a way that allows the assembly to **work radially**.

Application

It is widely used in **industry, industrial and military vehicles, railway sector, food industry**, etc. and replaces a traditional greased or elastomer (rubber) joint.

- Electric motors on train EMUs
- Granite cutting looms
- Military vehicles
- Combustion engines
- Screens and sieves
- Commercial vehicles and trucks
- Vibrating tables
- Shock absorber ends (automotive)
- Construction machinery
- Gravel pits
- Quarries
- Food and canning industry

Specifications

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

Designed for **infinite life under rated load** - fatigue tested to **3.4M cycles** at 3 different loads.

Provide **stable insulation** over a wide range of loads.

Flexible bush weight:
1 800 gr ± 3%

Static load:
200 - 1 100 kg

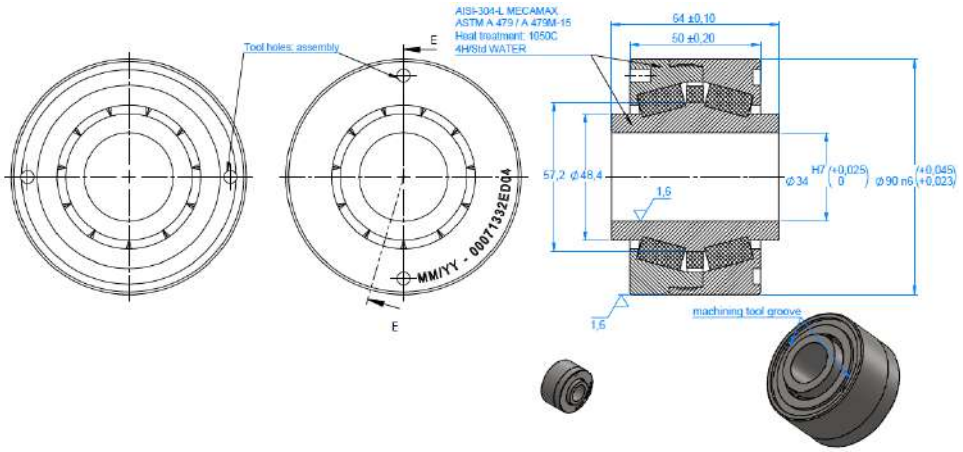
Max. radial dynamic load:
87 500 N (8 922.52 kg)

Max. axial dynamic load:
17 150 N (1 748.81 kg)

Radial natural frequency:
25 - 40 Hz

Operating temperature:
from -70 to +500 °C

Dimensions

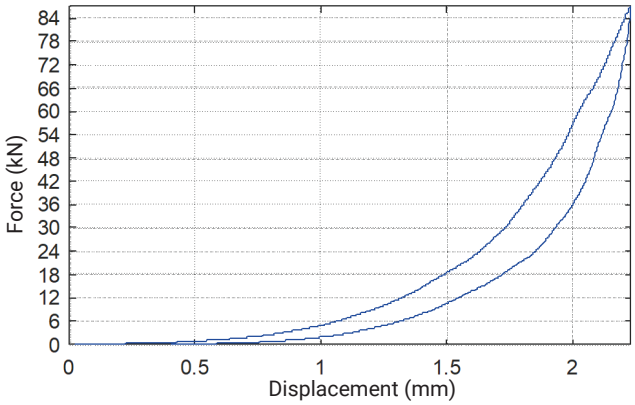


Patent

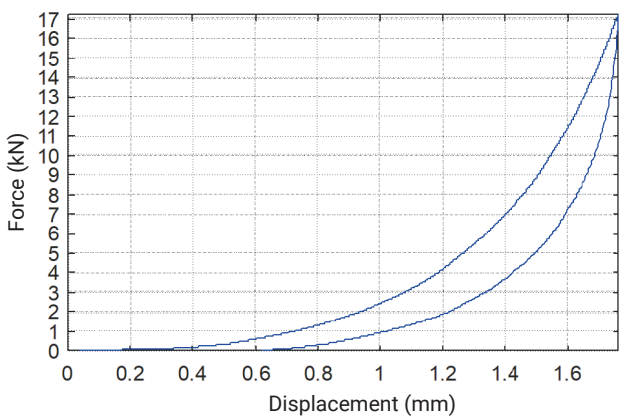
The **100% metal flexible bush** is a patented product of the **Silentflex®** brand:

- https://patents.google.com/patent/ES2686395A1/en

Laboratory research



Radial



Axial

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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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