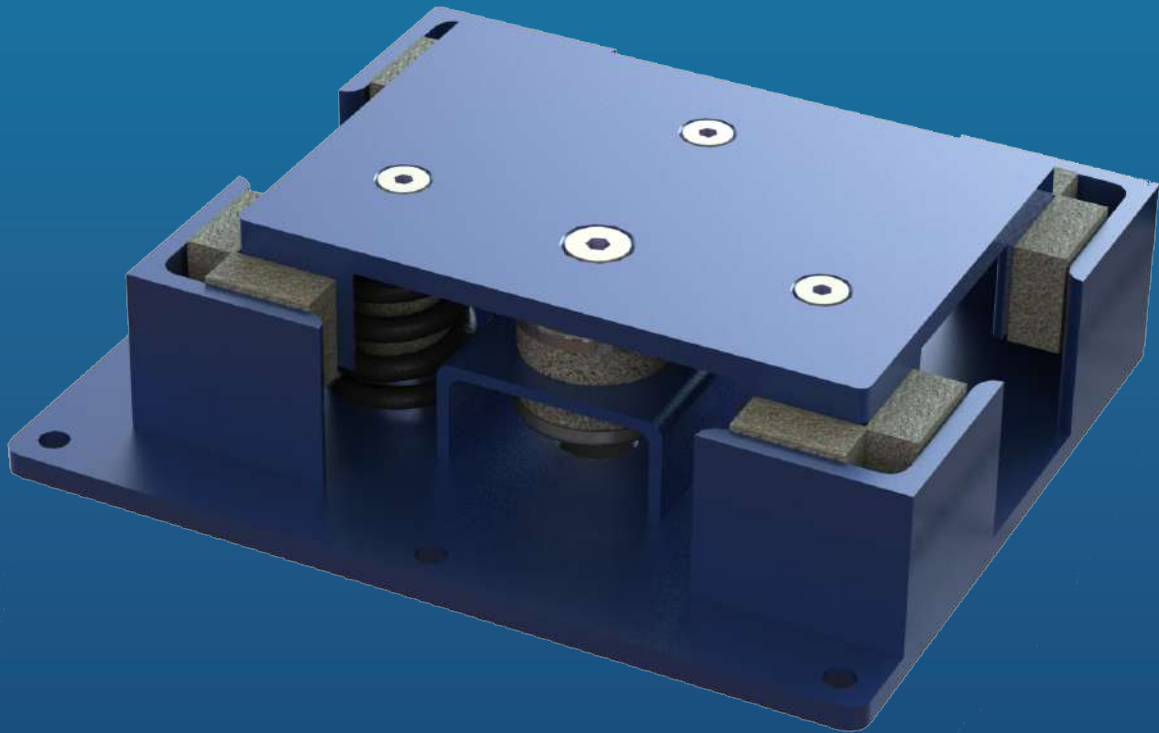


Container Pads Silentflex®



3 - 9
Hz

Natural
frequency

100 -
10 000 kg

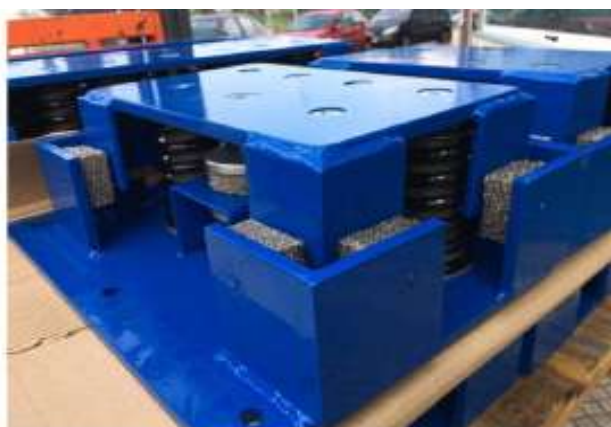
Static load

- 70°C
+ 300°C

Operating
temperature

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Components

- **Spring** - steel for springs 52CrMoV4 (EN 10089) with surface treatment shot-peening with zinc phosphate
- **Shock absorber** - AISI 304 stainless steel wire mesh
- **Base cap** - aluminum
- **Upper base / floor fixing base** - painted, galvanised or stainless steel
- **Vertical retention** - aluminium, zinc-plated or stainless steel



Description

Fully metal vibration mount (**no rubber** parts) that **works in 3 directions isolating vibrations and shocks**. It is anchored both to the floor and to the machine or container to be isolated.

Depending on the number of springs, it **can withstand significant loads**, which are only limited by the space available for its installation.

It can be **custom-made** and is manufactured in **zinc-plated, galvanised or stainless steel** according to the customer's needs.

Application

This solution is certified as suitable for use in **seismic zones in refrigeration and telecommunications equipment**.

- | | | |
|---|--------------------------------|--------------------------------------|
| ⚙ Prefabricated houses | ⚙ Marine containers | ⚙ Onboard equipment |
| ⚙ Suspended structures | ⚙ CPDs / Portable Data Centers | ⚙ Ship superstructure |
| ⚙ Chillers and Air Treatment Units (UTAs) | ⚙ Equipment in seismic zones | ⚙ Ball mills and crushers (grinders) |
| ⚙ Railway structures | ⚙ Rooftop equipment (windy) | ⚙ Engines/motors |

Specifications

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

It is a low frequency vibration mount in the Z-axis and high stiffness in the XY plane. For **medium and high vibrations (> 20 Hz)** the attenuation is greater than 90%.

It has **lateral and vertical retentions** to limit overloads caused by abnormal operating conditions, wind or even earthquakes.

They provide **stable insulation** over a **wide range of loads** and are designed for **infinite life under nominal load**.

The metal shock absorbers inside the spring provide **progressive stiffening** and therefore prevents the spring from blocking.



Static load:
100 - 10 000 kg



Natural frequency:
3 - 9 Hz



Operating temperature:
from -70 to +300 °C



Anti-block system

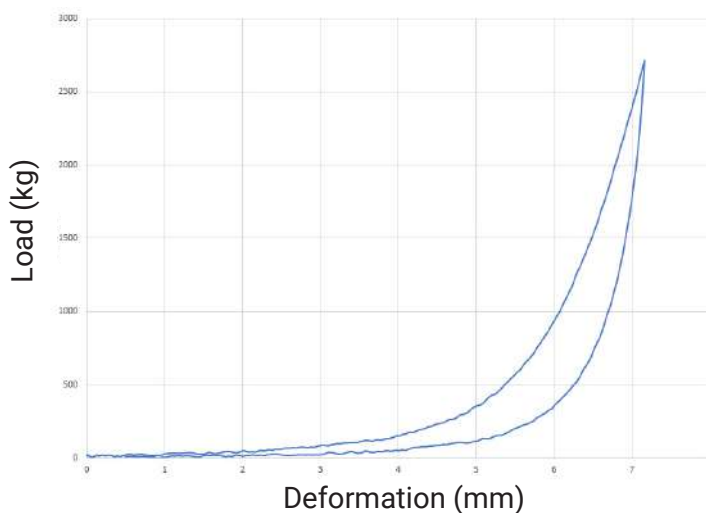
Laboratory research

The required damping is achieved thanks to the combination of **2 key elements**: metal lateral shock absorbers (default ref.990500) and various springs (type and quantity according to the customer's needs):

Shock absorbers ref.990500

Horizontal Retention

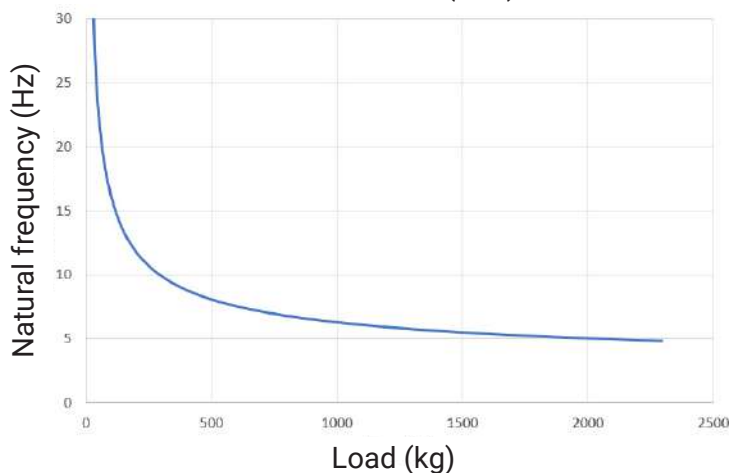
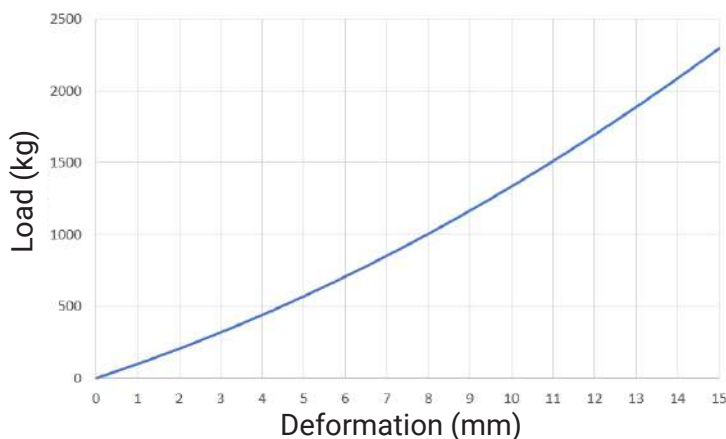
The graph represents 2 shock absorbers acting simultaneously.



Spring with shock absorber

Vibration Damper

The graphs shown are for 3 springs and serve as an example.



Codification

95406X-YZCP

X - Type of spring

0, 1, 2 or 3 - depending on the natural frequency (FrN) and height (free - H, under load - h).

Ref.	954060	954061	954062	954063
FrN (Hz)	7 - 9	5 - 6	3 - 4	5 - 6
h (mm)	92		145	
H (mm)	102		165	

Low

High

Y - Number of springs

Number of springs in a Container Pad: 3, 6, 9 or 12 units (depending on the customer's needs).

It varies depending on the **load** of the assembly to be insulated and the **space** available for the installation of the vibration mounts.

Refers to «Container Pad»
Does not vary

Z - Spring reference

Spring reference (from 1 to 7) which is determined by the load to be supported (see tables below).

954060

Z \ Y	3	6	9	12
1	120 - 240	240 - 480	360 - 720	480 - 960
2	195 - 375	390 - 750	585 - 1 125	780 - 1 500
3	330 - 570	660 - 1 140	990 - 1 710	1 320 - 2 280
4	525 - 810	1 050 - 1 620	1 575 - 2 430	2 100 - 3 240
5	750 - 1 200	1 500 - 2 400	2 250 - 3 600	3 000 - 4 800
6	1 080 - 1 680	2 160 - 3 360	3 240 - 5 040	4 320 - 6 720
7	1 620 - 2 190	3 240 - 4 380	4 860 - 6 570	6 480 - 8 760

954062

Z \ Y	3	6	9	12
1	225 - 315	450 - 630	675 - 945	900 - 1 260
2	285 - 390	570 - 780	855 - 1 170	1 140 - 1 560
3	345 - 480	690 - 960	1 035 - 1 440	1 380 - 1 920
4	480 - 690	960 - 1 380	1 440 - 2 070	1 920 - 2 760
5	660 - 930	1 320 - 1 860	1 980 - 2 790	2 640 - 3 720
6	900 - 1 245	1 800 - 2 490	2 700 - 3 735	3 600 - 4 980
7	1 230 - 1 650	2 460 - 3 300	3 690 - 4 950	4 920 - 6 600

954061

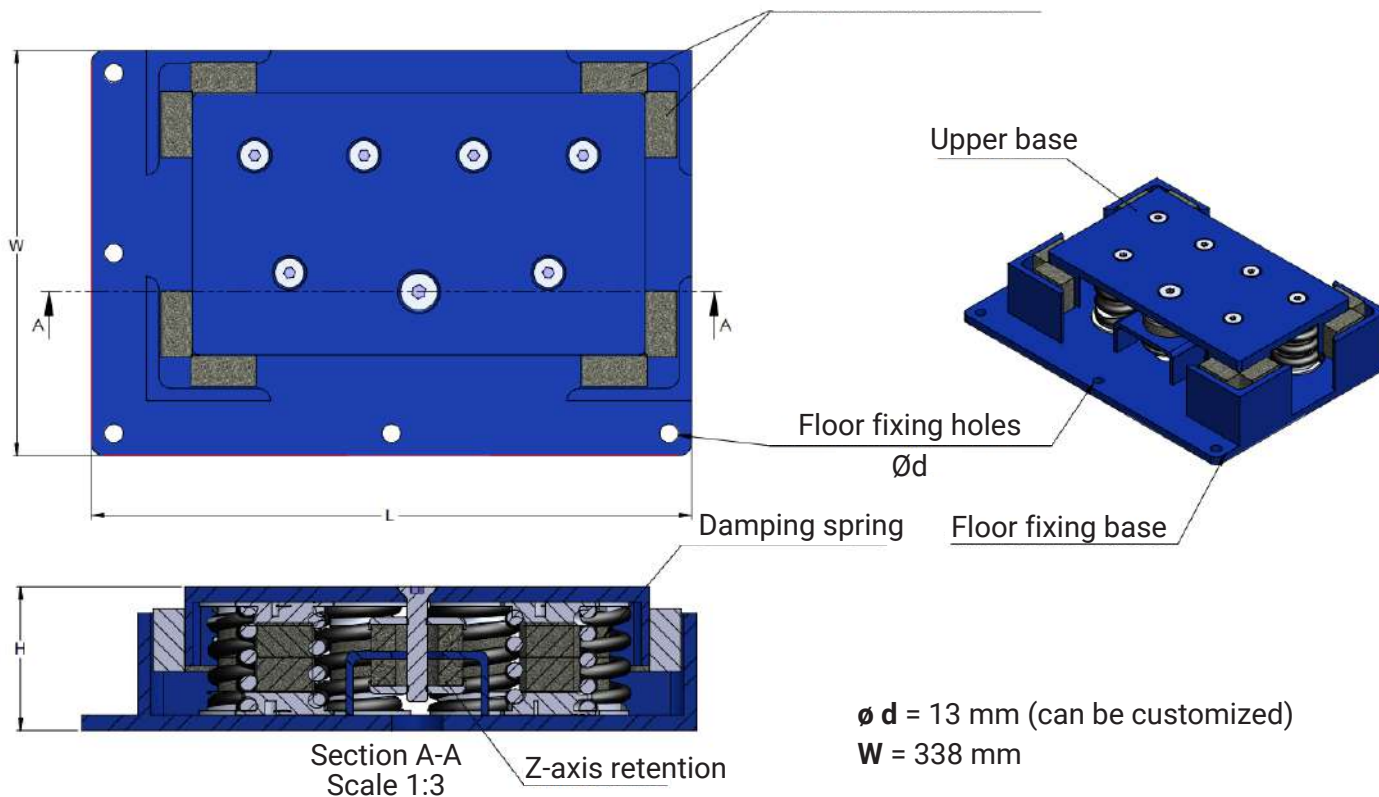
Z \ Y	3	6	9	12
1	90 - 150	180 - 300	270 - 450	360 - 600
2	150 - 240	300 - 480	450 - 720	600 - 960
3	240 - 375	480 - 750	720 - 1 125	960 - 1 500
4	375 - 585	750 - 1 170	1 125 - 1 755	1 500 - 2 340
5	585 - 930	1 170 - 1 860	1 755 - 2 790	2 340 - 3 720
6	930 - 1 260	1 860 - 2 520	2 790 - 3 780	3 720 - 5 040
7	1 260 - 1 680	2 520 - 3 360	3 780 - 5 040	5 040 - 6 720

954063

Z \ Y	3	6	9	12
1	300 - 420	600 - 840	900 - 1 260	1 200 - 1 680
2	375 - 510	750 - 1 020	1 125 - 1 530	1 500 - 2 040
3	450 - 630	900 - 1 260	1 350 - 1 890	1 800 - 2 520
4	630 - 900	1 260 - 1 800	1 890 - 2 700	2 520 - 3 600
5	855 - 1 215	1 710 - 2 430	2 565 - 3 645	3 420 - 4 860
6	1 170 - 1 620	2 340 - 3 240	3 510 - 4 860	4 680 - 6 480
7	1 605 - 2 145	3 210 - 4 290	4 815 - 6 435	6 420 - 8 580

Drawings and dimensions

Perimeter with metal shock absorbers
Retention in the X & Y axes



	Low	High
	954060 / 954061	954062 / 954063
H (mm)	113	167

	Y			
	3	6	9	12
L (mm)	426	482	602	778

Certification



Certified by
Telcordia



SEISMIC
Qualification Certificate

Container Pad is an innovative product of the **Silentflex®** brand:

- Designed for use in seismic zones in refrigeration and telecommunication equipment
- Certified according to **Telcordia Technologies' GR-63-CORE Standard**
- Reduces noise and vibration levels, proven in laboratory tests



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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