

Double Spring with Retention



3 - 9
Hz

Natural
frequency

60 - 1 460
kg

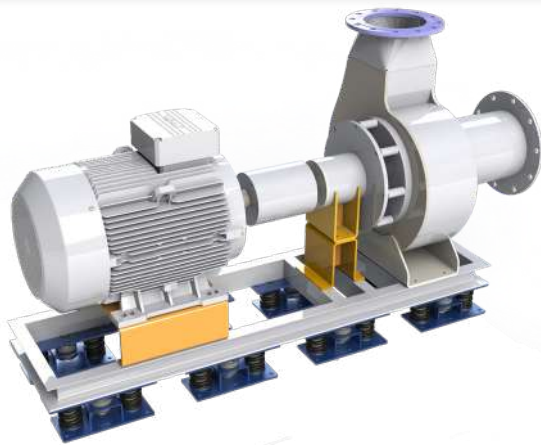
Static load

- 70°C
+ 300°C

Operating
temperature

Components

- **Spring** - standard steel for springs 52CrMoV4 (EN 10089) with surface treatment shot-peening with zinc phosphate
- **Shock absorber** - metallic cushion in AISI 304 stainless steel wire mesh
- **Base cap** - aluminum
- **Bases (plates)** - structural steel















Description

It works under **vertical compression**, providing an adjustable **bi-directional non-return elastic retention system** by means of an anti-vibration metal cushion.

It can be composed of **high** (16.5 cm) or **low springs** (10.2 cm). The **upper and lower plates** can be manufactured according to the customer's need for orders of a certain volume.

Application

Isolation of **any machine, static or dynamic, stationary or on board**, that requires an **adjustable retention** with a precompression system to facilitate its assembly.

- | | | |
|---|--|--|
|  Server Racks / Cabinets |  Turbines |  Rooftop equipment (windy) |
|  Elevators / Lifts |  Pipelines |  Centrifugal pumps |
|  Chillers |  Textile machines |  Equipment in seismic zones |
|  Fans |  Compressors |  Small presses |

Specifications

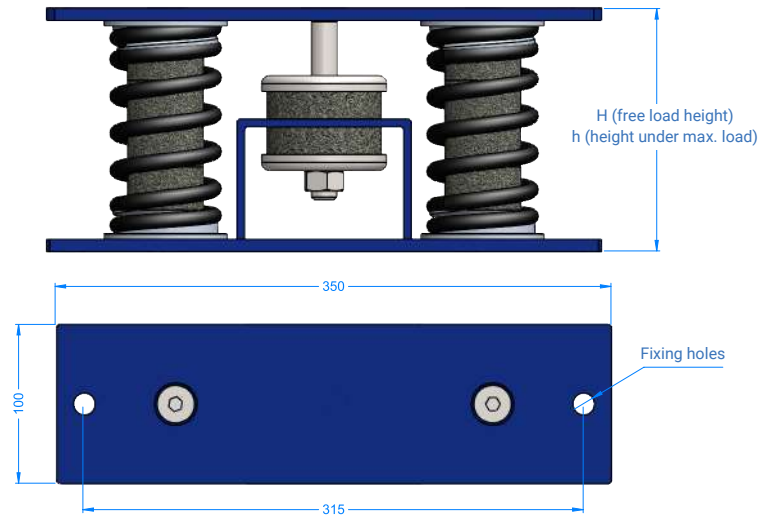
They are **resistant** to chemicals, corrosion, extreme temperatures, sunlight and fire. Perfectly suitable for **outdoor use**.

It is a vibration isolator of **low frequency** in the Z axis and **important stiffness** in the XY plane.

Designed for **infinite life under nominal load**. The metal cushion provides **progressive stiffening** and therefore prevents the spring from blocking.



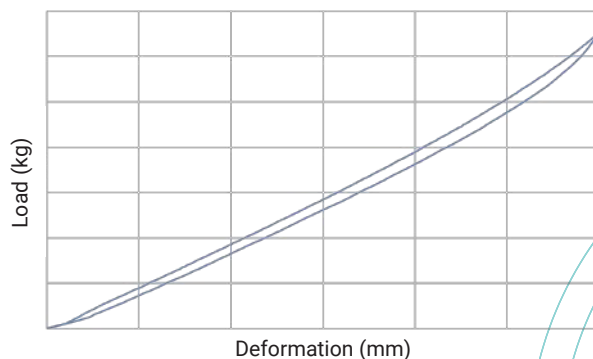
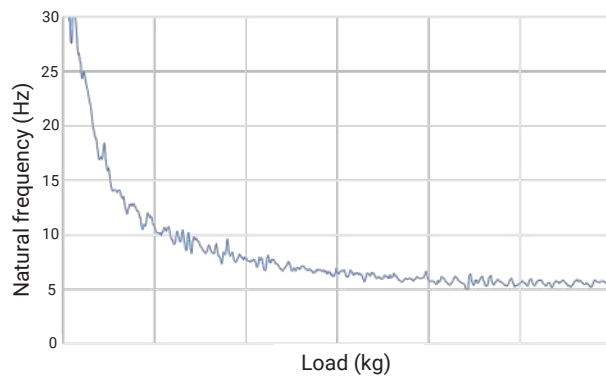
Dimensions



| Ref. | H (mm) | h (mm) | Natural frequency (Hz) |
|------------|---------|---------|------------------------|
| 954060-2XV | 102 ± 2 | 92 ± 2 | 7 - 9 |
| 954061-2XV | 102 ± 2 | 92 ± 2 | 5 - 6 |
| 954062-2XV | 165 ± 2 | 145 ± 2 | 3 - 4 |
| 954063-2XV | 165 ± 2 | 145 ± 2 | 5 - 6 |

X - number (depending on the load, see the next page)

Laboratory research



Static load:
from 60 to 1 460 kg



Natural frequency:
3 - 9 Hz



Operating temperature:
from -70 to +300 °C



Anti-block system

Double springs with retention **LOW**



| Ref. | Load (kg) |
|------------|---------------|
| 954060-21V | 80 - 160 |
| 954060-22V | 130 - 250 |
| 954060-23V | 220 - 380 |
| 954060-24V | 350 - 540 |
| 954060-25V | 500 - 800 |
| 954060-26V | 720 - 1 120 |
| 954060-27V | 1 080 - 1 460 |

| Ref. | Load (kg) |
|------------|-------------|
| 954061-21V | 60 - 100 |
| 954061-22V | 100 - 160 |
| 954061-23V | 160 - 250 |
| 954061-24V | 250 - 390 |
| 954061-25V | 390 - 620 |
| 954061-26V | 620 - 840 |
| 954061-27V | 840 - 1 120 |

Double springs with retention **HIGH**



| Ref. | Load (kg) |
|------------|-------------|
| 954062-21V | 150 - 210 |
| 954062-22V | 190 - 260 |
| 954062-23V | 230 - 320 |
| 954062-24V | 320 - 460 |
| 954062-25V | 440 - 620 |
| 954062-26V | 600 - 830 |
| 954062-27V | 820 - 1 100 |

| Ref. | Load (kg) |
|------------|---------------|
| 954063-21V | 200 - 280 |
| 954063-22V | 250 - 340 |
| 954063-23V | 300 - 420 |
| 954063-24V | 420 - 600 |
| 954063-25V | 570 - 810 |
| 954063-26V | 780 - 1 080 |
| 954063-27V | 1 070 - 1 430 |



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www.silentflex.com



+34 942 54 42 23



silentflex@silentflex.com



C/ Industria 77, Parque Industrial Tirso González 21, 39610 Astillero, Cantabria, Spain