

Axial Inox



**15 - 25
Hz**

Natural
frequency

**70 - 1400
kg**

Static load

**- 70°C
+ 300°C**

Operating
temperature

Components

- **Body** - zinc-plated or painted steel
- **Shaft** - 1) aluminium 6082-T6
2) zinc-plated steel
3) stainless steel
- **Shock absorber** - AISI 304 stainless steel wire mesh



Description

It is a **100% metal** shock absorber with a structure capable of withstanding overloads due to its high strength.

It is reinforced with **radial cushions** so that it can also absorb significant **horizontal dynamic stresses**.

Application

It can be used to suspend **conveyed material** and support **hot pipes**. It is also used as an **anti-seismic element**, as well as a damper in **medium-high frequency rotating equipment**.



Crushers



Engines/motors



Printing presses



Grinding and ball mills



Generators



Textile machines



Screw presses



Hot pipes (exhaust, silencers)



Telecommunications equipment



Pumps



Boilers



Racks / servers for data centres

Specifications

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

They work in **axial and radial directions**, so they can be installed both **vertically** and **horizontally** (although they have maximum efficiency under axial load). It allows for limiting the lateral displacement.

They work in **compression and tension** creating excellent semi-rigid points.

Structural strength is equivalent to a continuous acceleration of 5g under maximum load.

Amplification factor at resonance: <4. **Maximum allowable excitation** at the natural frequency of suspension: ± 0,4 mm.



Weight:
0,7 kg
1,76 kg (ref. 954089)



Static load:
70 - 1 400 kg



Max. dynamic load:
Axial: 900 - 4 200 kg
Radial: 300 - 4 200 kg

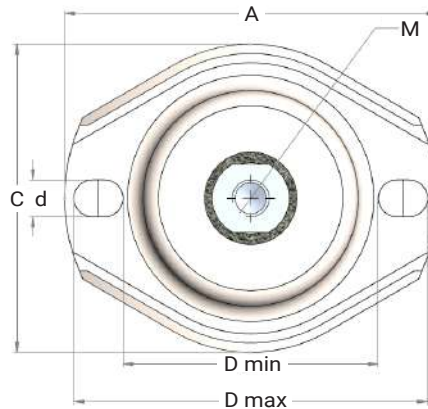


Natural frequency (axial and radial):
15 - 25 Hz



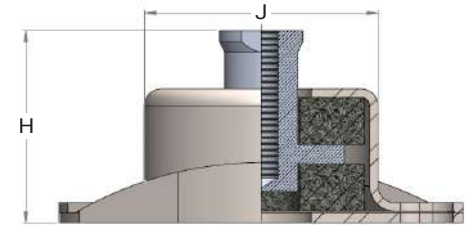
Operating temperature:
from -70 to +300 °C

Dimensions



ref. 954406
ref. 954087
ref. 954088 } **oval holes**

ref. 954089 } **circular holes**

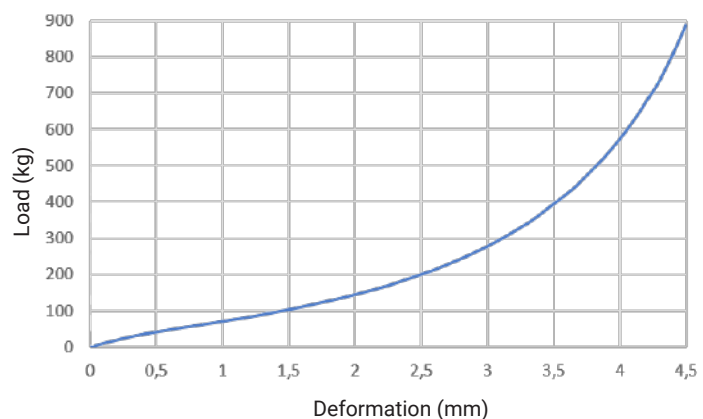
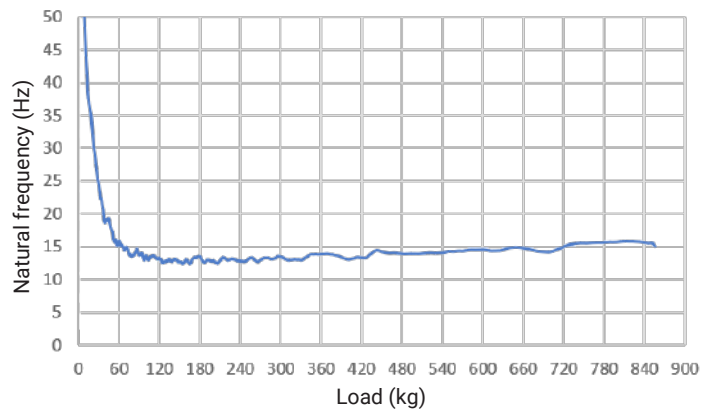


Ref.	A	D min	D max	C	J	d	M*	H
954406								54
954087 954088	121	78	110	100	70	12	M12	58
954089	172	141 between centres		135	96	17	M16	64

Dimensions in millimetres (mm)

* **The metrics** indicated are **standard**, but can be changed on request (ask us for available metrics).

Laboratory research



Technical characteristics

Ref.	Axial static load	Max. dynamic load			
		Axial		Radial	
		Compression	Traction		
954406-	01	70 - 250	900	900	300
	11	70 - 250	900	900	800
	02	150 - 500	2 000	1 800	650
	12	150 - 500	2 000	1 800	1 600
954087-	-	70 - 300	900	900	300
	1	70 - 300	900	900	900
954088-	-	150 - 650	1 950	1 950	650
	1	150 - 650	1 950	1 950	1 950
954089-	-	350 - 1 400	4 200	4 200	1 400
	1	350 - 1 400	4 200	4 200	4 200

Same dimensions (except height)

Measurements in kilograms (kg)

Installation



MODE 1: Specially designed for vertical and inclined pipes: they can be distributed at different degrees (180°, 120°, 90° etc.) depending on the number of supports to be placed on the pipe.

MODE 2: Specially designed for horizontal and inclined pipes.



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