

TAV-8000/INOX 480 R

HYBRID DAMPER WITH MORE EFFECTIVE ANTI-TILT SYSTEM FOR VIBRATION PROTECTION OF FLOOR-MOUNTED MACHINES

It is a high-performance hybrid damper, manufactured with more advanced technology and renewed raw materials.

HYBRID System; which is the result of combining the most advanced polymer with a helical steel spiral.

- Helical spring: Manufactured using a steel spiral according to **DIN 2095-UNE EN 10270**, with a rustproof finish and **metallic red EPOXI** coating.
- Polymer: **KRAIBURG-TPE** (Test system according to **UNE-EN ISO 10846-1:2009**).

The combination of these elements makes it possible to bring to the market the best acoustic damper, in its category. This significantly reduces the vibrations across the entire range of excitation frequencies.

Exclusively manufactured by us.

✓ Resonance frequency: **3-7 Hz**.



FIELD OF APPLICATION
Semi-industrial machines with metal structures

TIPOLOGY:
HYBRID Anti-tilt Damper
New

480




*System registered with the **Spanish Patent and Trademark Office**.

Preview in Augmented Reality



Scan the QR code to open this 3D Model on your iOS or Android device.

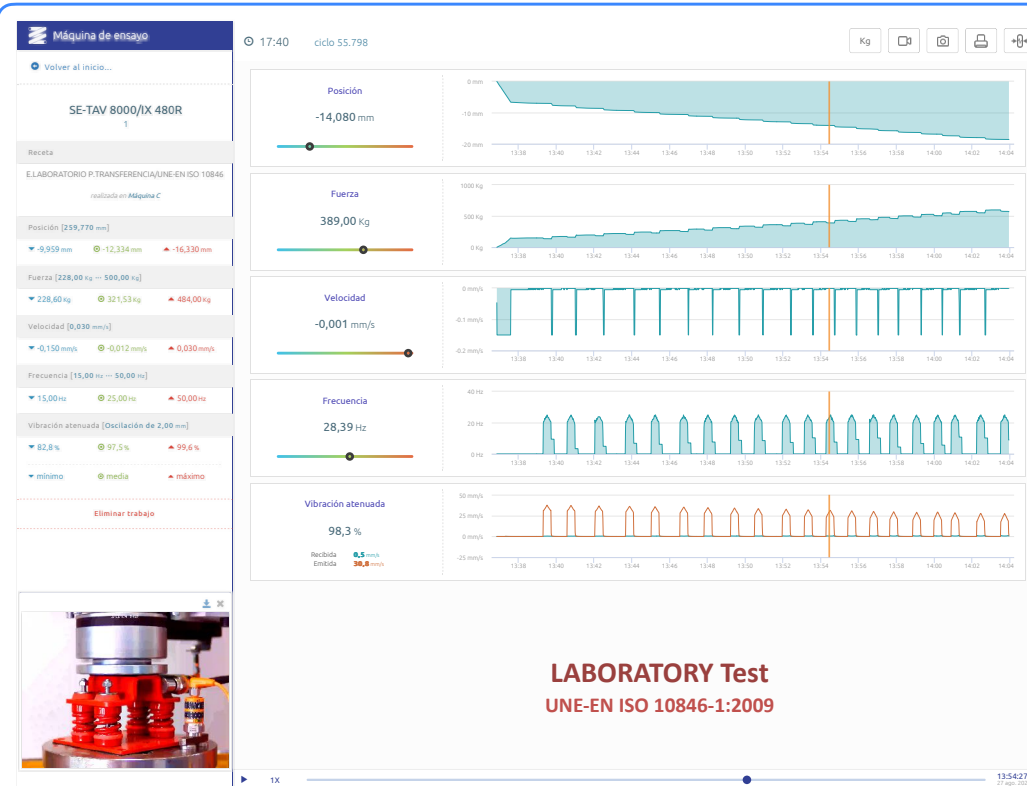
New

REF	COLOUR	METRICS MIN-MAX	LOAD (Kg) MIN-MAX	PACKAGING
SE-TAV-8000/IX 480 R		10 - 16	240 - 480	1

Ref. TAV-8000/IX 480 R



SENR Acoustic Dampers



The aim of this study is to analyse the dynamic behaviour of the damper under different loads (ranging from 228 Kg to 500 Kg). To achieve this, natural frequency in Hz and deformation will be measured in each load condition. A frequency sweep from 15 to 50 Hz will be conducted at a fixed acceleration level of 0.2 g. For the measurements, an accelerometer will be placed on the rigid part of the structure and another at a point beyond the action of the damper. The results obtained will allow us to assess the damper's performance under varying load levels and determine its effectiveness.

LABORATORY Test UNE-EN ISO 10846-1:2009

Equipment Used:
Signal Amplifier for Accelerometers. PCB / Code ME 084030
Accelerometer PCB / Code ME 072021 - Testing Machine
NOGREN / Code ME 035002 - Vibration Table LDS / Code
ME 075001

Table of results

LOAD (Kg)	DEFOR-MATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
			15	50		
228	9,95	5,75	15	50	82,77	98,66
274	11,15	4,25	15	50	91,27	99,27
321	12,33	3,87	15	50	92,87	99,40
389	14,08	3,65	15	50	93,71	99,46
439	15,24	3,43	15	50	94,48	99,53
484	16,33	3,05	15	50	95,69	99,63

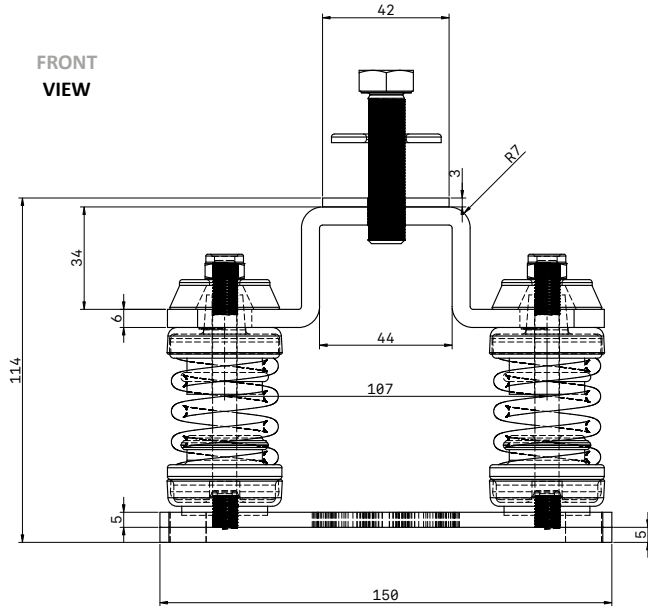
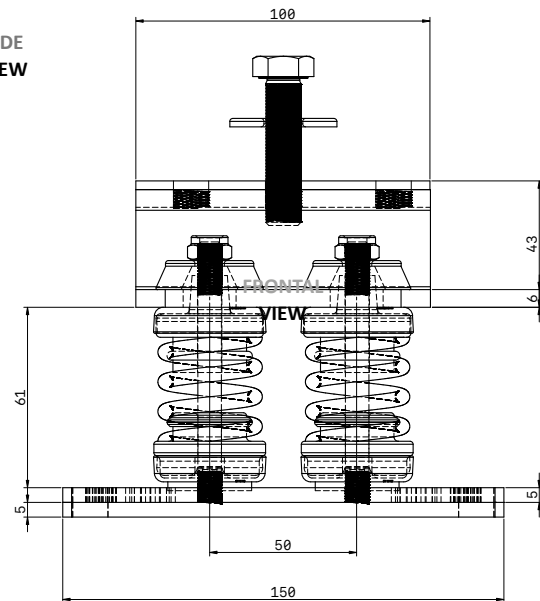
LABORATORY Test UNE-EN ISO 10846-1:2009



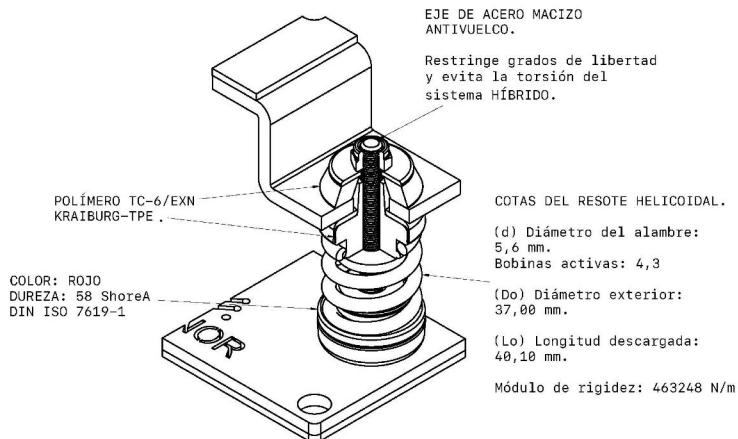


SEÑOR Acoustic Dampers

Ref. TAV-8000/IX 480 R

FRONT
VIEWSIDE
VIEWANTI-TILT
SYSTEM

Anti-tilt system composed of 4 solid stainless steel rods, which provide added mechanical resistance against tilting while also meeting fire resistance requirements. (UNE-37-507-88 Standards)



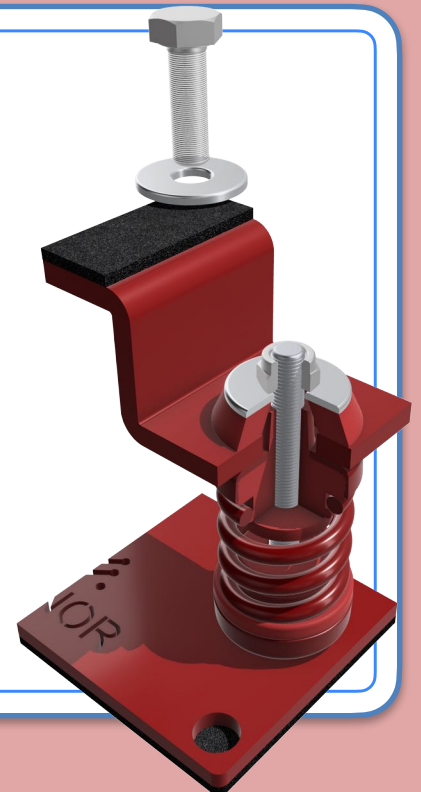
SAFETY DETAILS

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TIPOLOGY:
HYBRID Anti-tilt Damper
New





SENR Acoustic Dampers

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HYBRID DAMPER WITH MORE EFFECTIVE ANTI-TILT SYSTEM FOR VIBRATION PROTECTION OF FLOOR-MOUNTED MACHINES

SENR certifies.

All our products of the industry range Ref. **TAV-8000/IX** designed for FLOOR-mounted **MACHINES**, have a service life of over **3000 hours**.

UV and Weather Resistance Tests according to PV3930 (Florida).

Instrumentation:

Test Results after 3000 hours, according to CIELAB (DIN 6174) and DIN EN 20105-A02.

Xenon Test Chamber with water spray mod. 3100 HS.

Colorimeter Datacolor mod. Spectroflash 450.

Weathering Condition.

Test time: 3000 h. **Irradiation:** 0,5 W/m² (340 nm)
Black panel: 65 °C **Air temperature:** 35-45 °C
Relative humidity: 60 - 80%

SENR CERTIFIES.

MODEL TAV-8000/IX.

All our products in the “FLOOR-MOUNTED MACHINES” industry range have a product life of 30 years, provided that its installation is carried out under normal environmental conditions and they are not exposed to chemical components that may degrade the product. **TAV-8000/IX** model complies with UNE [100-153-88](#) standards: [air conditioning](#): [anti-vibration mounts](#): [selection criteria](#).

