



**HIGH-PERFORMANCE
ACOUSTIC
PARTITIONS WALLS**

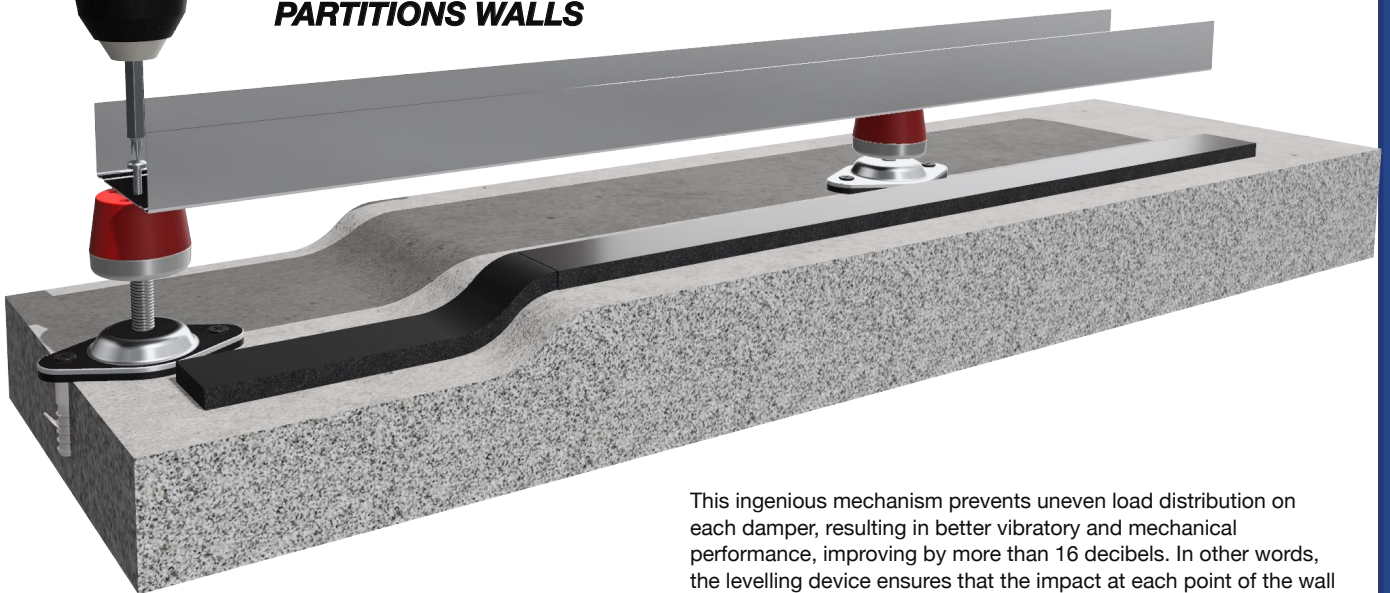
**Ref.
SE-TMT-50 R**

INTRODUCTION

It is an unique acoustic **damper** designed to decouple the self-supporting plasterboard (channel) from the floor slab.

Performance and Design ath the edge of the impossible with a unique Patented Levelling system!

TMT-50 R is a damper designed specilly to enhance the vibration and mechanical quality in wall linings and partitions. Its built-in levelling device is a key feature, as it ensures a even load distribution throughout the channel, even on uneven ground.



This ingenious mechanism prevents uneven load distribution on each damper, resulting in better vibratory and mechanical performance, improving by more than 16 decibels. In other words, the levelling device ensures that the impact at each point of the wall lining or partition is uniform, and therefore, more effective. This high-quality product is the efficient solution to improve the stability and durability of drywall constructions.

**Ref.
SE-TMT-50 R**

Levelling System



**Ref.
SE-TMT-50 R**

PERFORMANCE AND DESIGN AT THE EDGE OF IMPOSSIBLE!

TMT-50 R is an essential product for eliminating all solidborne acoustic contaminations.

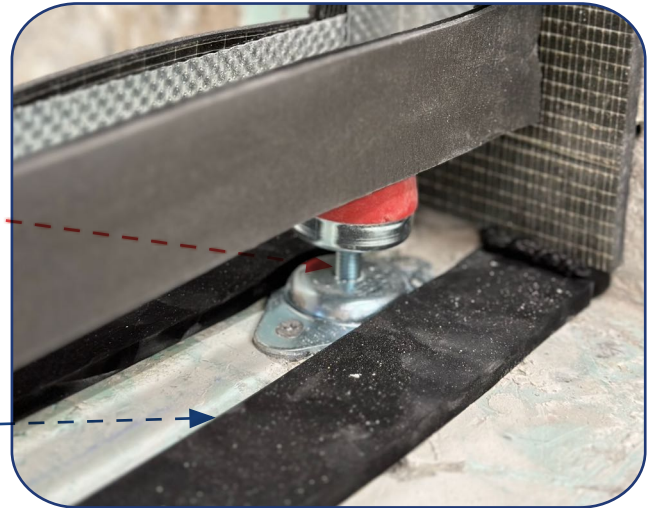
CARACTERÍSTICAS

TMT-50 R Acoustic damper manufactured from a renovated polymer (**KRAIBURG-TPE**). System tested according to the **UNE-EN ISO 10846-1:2009** standards; exhibits a higher damping factor and a high degree of vibration isolation in the range of medium/low Hz frequencies.

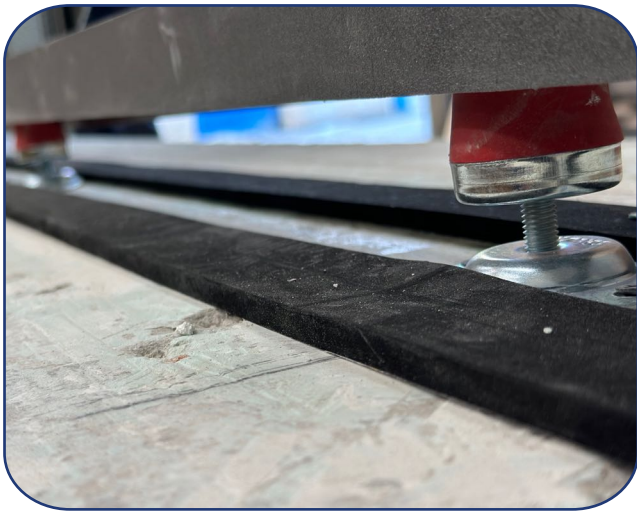
Resonance Frequency between **7Hz** and **15Hz** depending on the given deformation.

EPDM CR-130/BEC acoustic strip: It is an **acoustic membrane** that creates a perfect settlement with the original forging and at the same time, it provides a high degree of vibration isolation in the range of medium/low Hz frequencies.

Resonance Frequency between **7Hz** and **15Hz** depending on the given deformation.



RECOMMENDED FOR CHANNEL:
48 mm and 70 mm channel

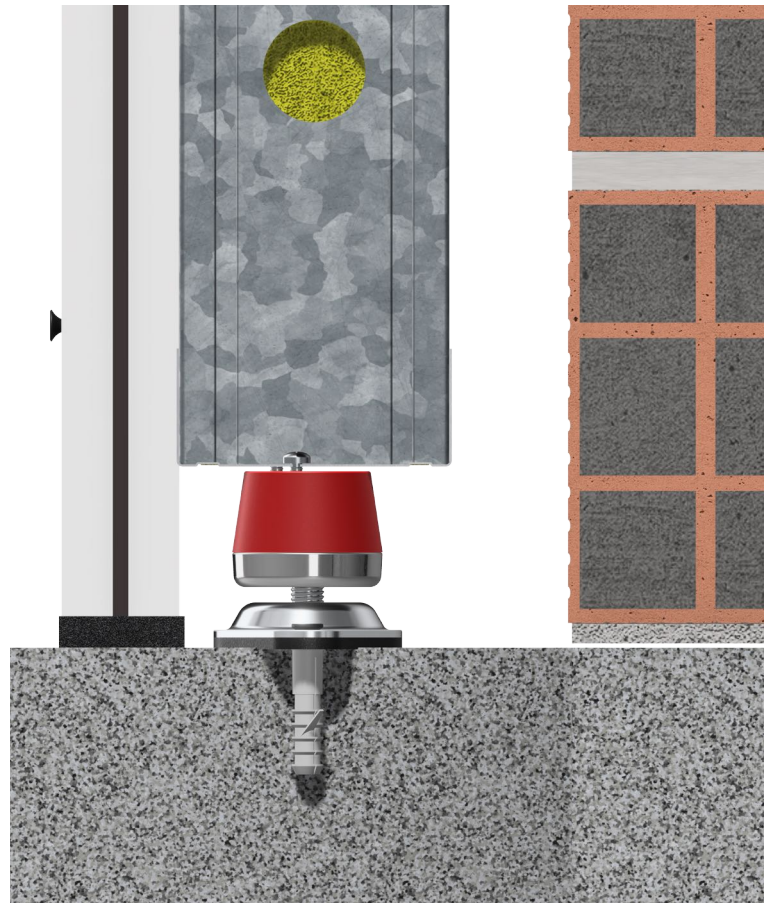


KEY FEATURES

Safety, efficiency, performance and easy installation.

TMT-50 R is designed to reduce noise and provide additional acoustic protection in a specific area without the need for a large economic investment.

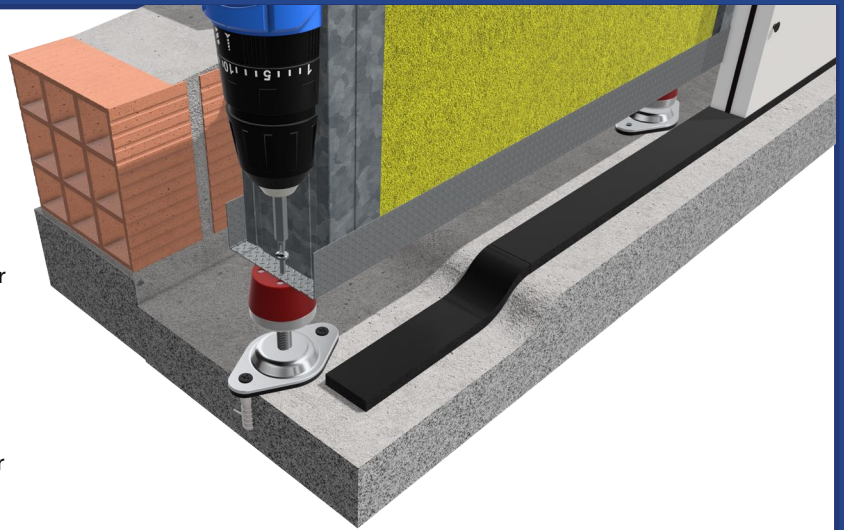
It is important to mention that its effectiveness will be increased if used in conjunction with **SENOR's BEC** type acoustic strips.



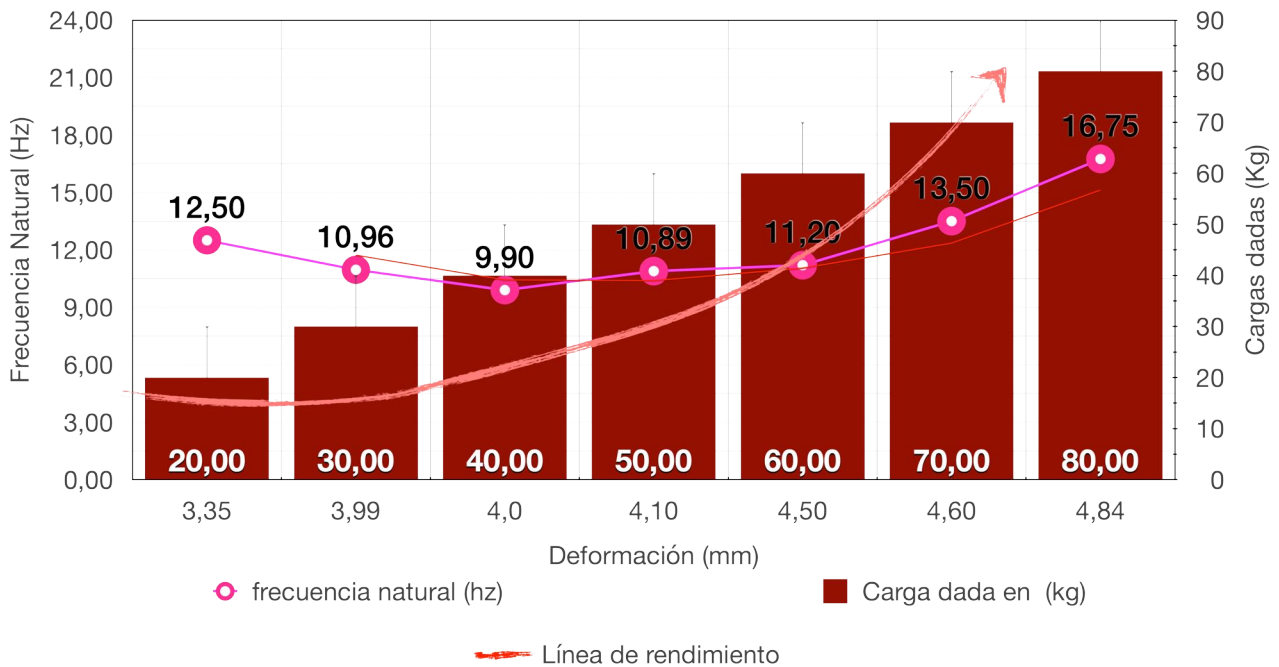
Ref.
SE-TMT-50 R

TECHNICAL DATA

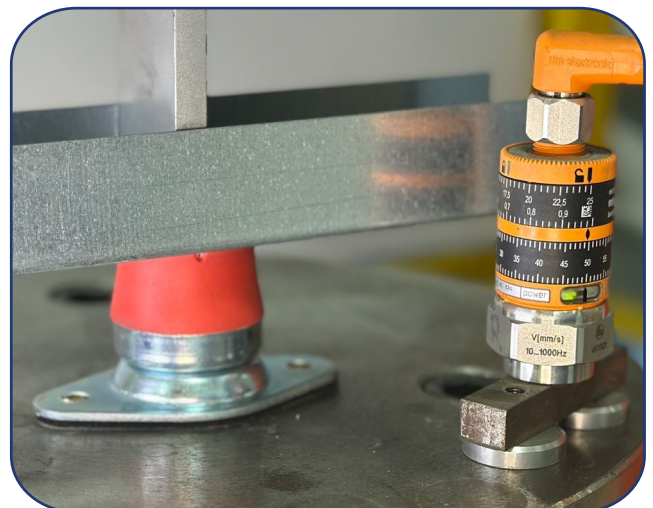
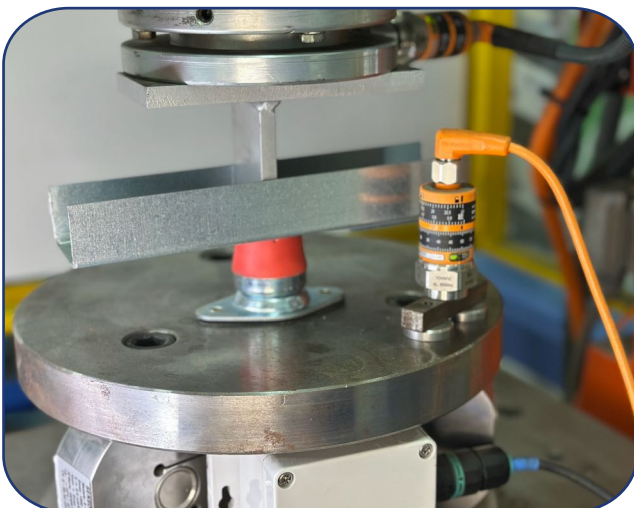
The aim of this study is to analyze the behaviour of the damper under different loads (from 20 kg up to 70 kg). For this purpose, natural frequency in Hz and deformation in each load state will be measured. A frequency sweep from 0 to 50 Hz at a fixed acceleration level of 0.2 g will be conducted. For the measurement, an accelerometer will be placed on the rigid part of the structure and another after the action of the damper. The results will allow us to evaluate the performance of the damper under different loads levels and so, determine its effectiveness.

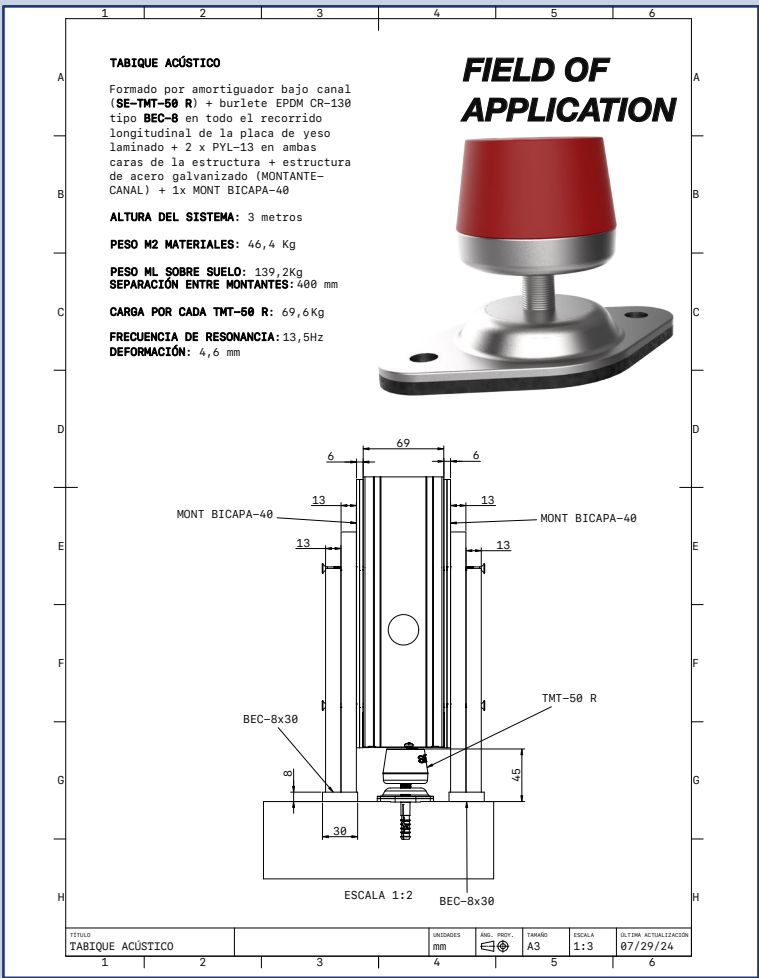
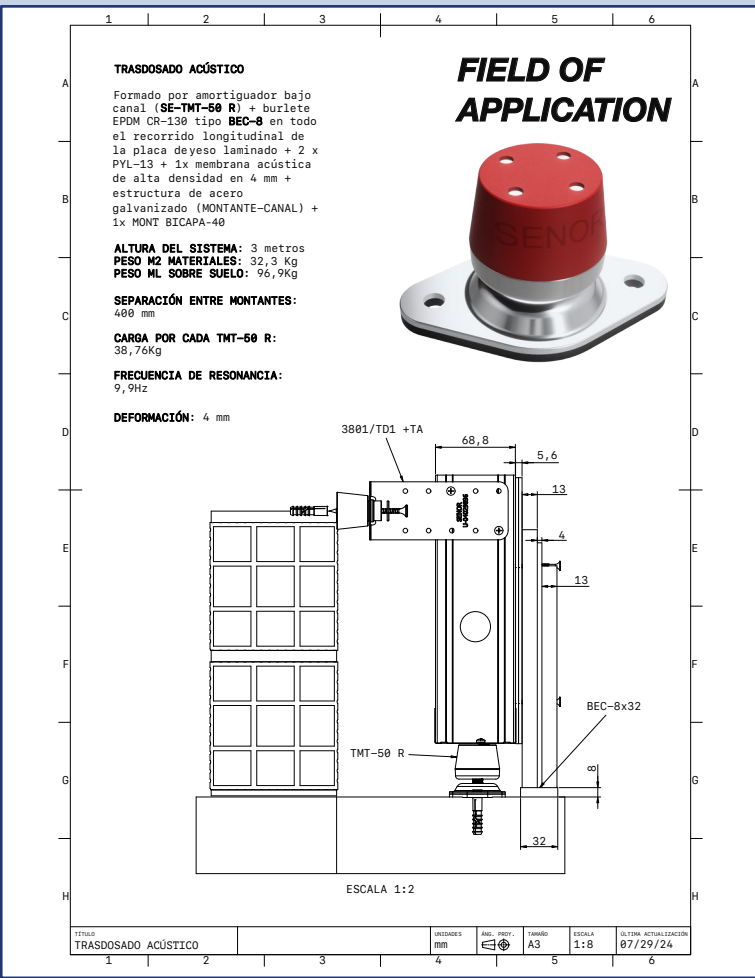
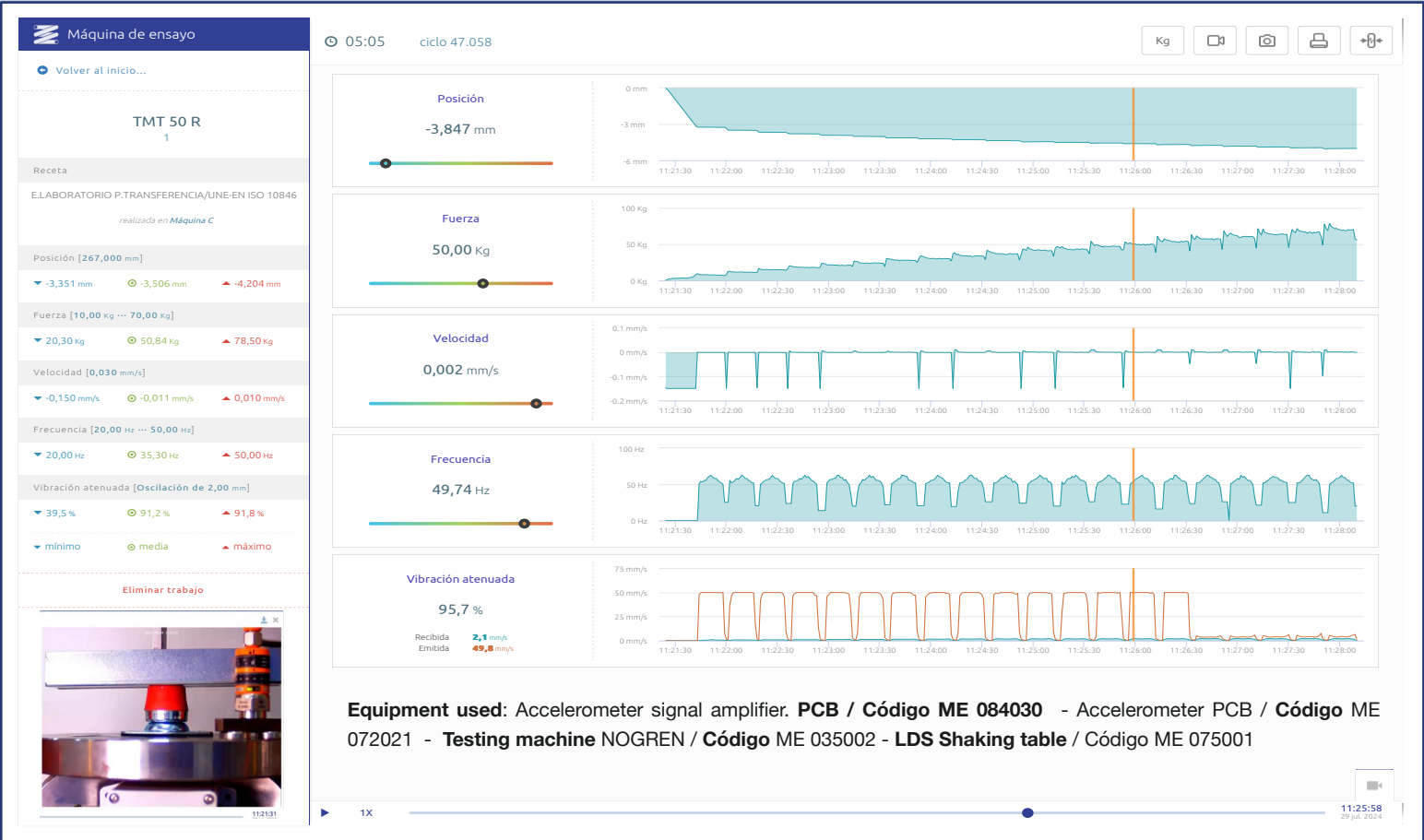


GRAPH



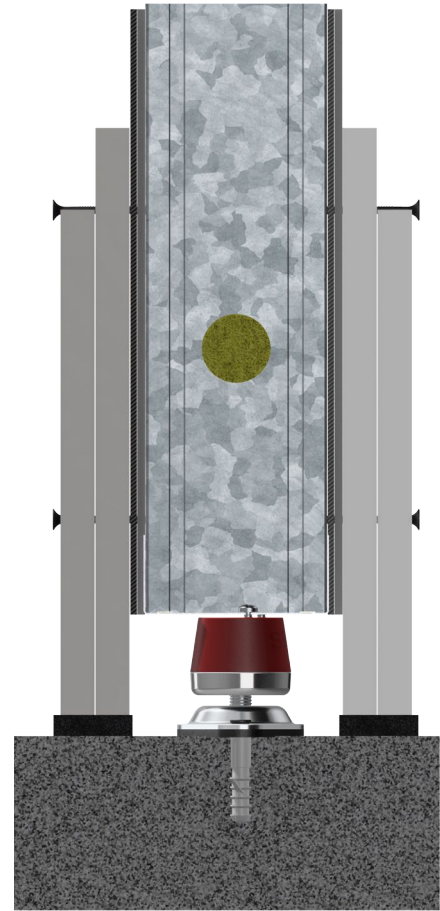
PHOTOS FROM TESTING





CONCLUSIONS

TMT-50 R is an essential product for the reduction of all solid-borne noise pollution.



SEÑOR CERTIFIES

TMT-50 R is included in the construction range for the acoustic connection of ACOUSTIC wall linings and partitions inside buildings. Dampers have an optimum service life of 30 years, provided it is installed under normal environmental conditions and is not exposed to chemical components that may degrade the product. This model strictly complies with UNE 100-153-88 standards: antivibration mounts: selection criteria.

SEÑOR declares under its responsibility that the following anti-vibration components for acoustic walls in buildings strictly comply with the technical specifications for installation and application appearing in the technical documentation of the product.

SEÑOR reserves the right to change the technical specifications of the product without prior notice. It is the responsibility of the user to know and use the latest and updated version of the product data sheets (copies of which will be sent to those who request them). This information and, in particular, the recommendations regarding the application and end use of the product are given in good faith, based on SEÑOR's current knowledge and experience of its products, when properly installed under normal circumstances and within their useful life.

Gerente/Managing Director/a:
Carmen López Iglesias




Bureau Veritas Certification

Certificación

Concedida a

SUSPENSIONES ELÁSTICAS DEL NORTE, S.L.

POL. IND. EL GARROTAL - PARCELA 10, MÓDULO 5 - 14700 - PALMA DEL RÍO - CORDOBA - ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y encontrado conforme con los requisitos de la norma:

NORMA

ISO 9001:2015

El Sistema de Gestión se aplica a:

DISEÑO, DESARROLLO Y FABRICACIÓN DE AISLADORES ACÚSTICOS PARA LA ERRADICACIÓN DE LAS VIBRACIONES Y LA CONTAMINACIÓN POR RUIDO PARA SU APLICACIÓN EN LOS SECTORES DE LA CONSTRUCCIÓN Y LA INDUSTRIA.

Número del Certificado:	ES139741 - 1
Aprobación original:	25-09-2002
Auditoría de certificación/renovación:	29-08-2023
Caducidad del ciclo anterior:	03-10-2023
Certificado en vigor:	04-10-2023
Caducidad del certificado:	03-10-2026

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación



Bureau Veritas Iberia S.L.
C/ Valportillo Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España



1/1