



\*SENOR Aisladores Acústicos

# ACOUSTIC Ceiling PL-50 model

Patented  
P.T. 200302961 (3-ES)



# SENOR

Manufacturer of **ANTIVIBRATION** systems

# ACOUSTIC Ceiling

## PL-50 model

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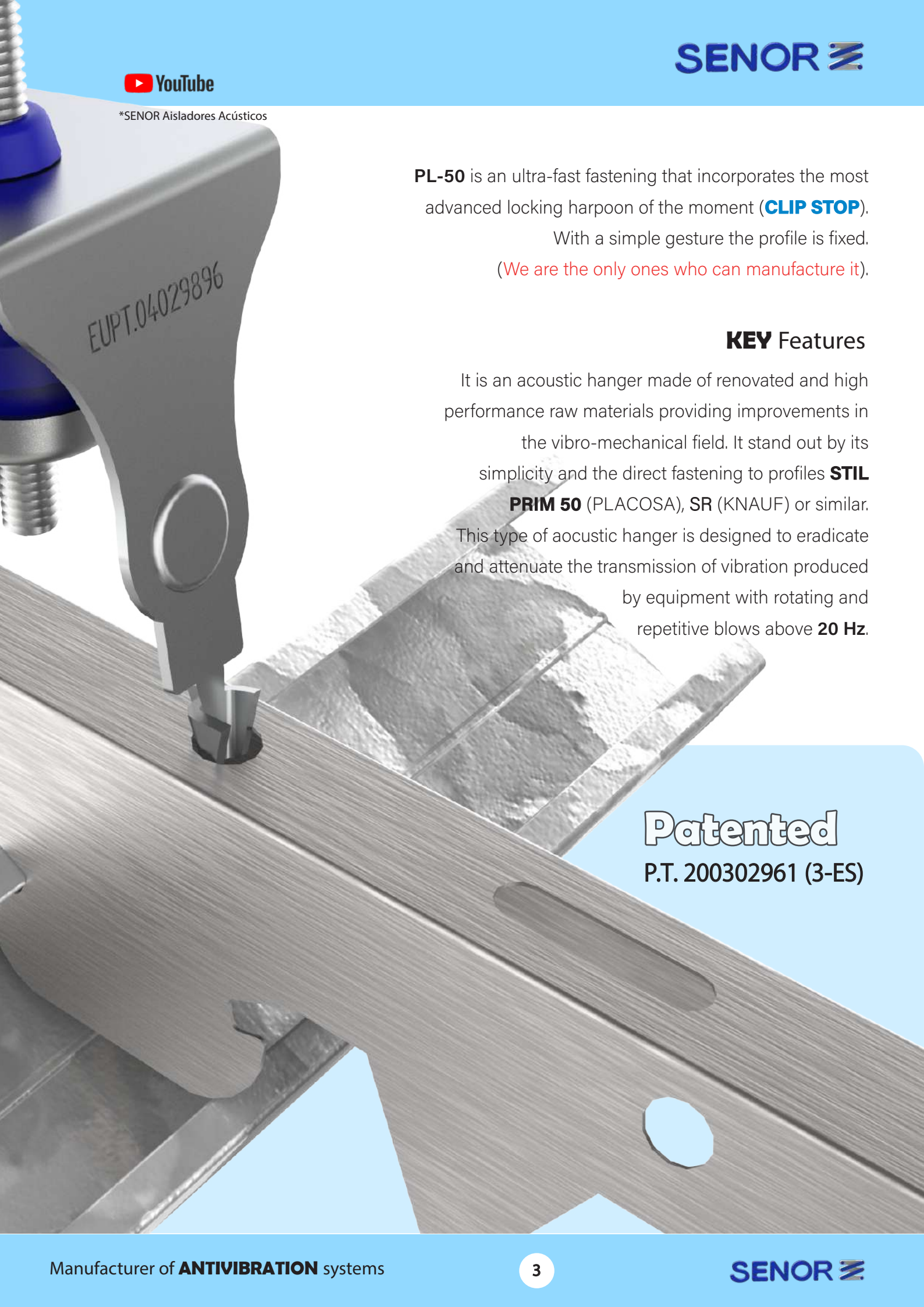
### PL-50 model

Since its beginnings, **SENOR** aimed to launch an acoustic hanger different from the rest by adding **Security**, **Innovation** and **Simplicity** to this product. After several years of research and development, we have reinvented this item from top to bottom. Now, **SENOR** is able to offer a technological upgrade incorporating an improved polymer **TC/GPN** that enhances its internal mechanical properties and provides a >10% increase in the acoustic isolation field.

### PL-50 Introduction

A different, **RENOVATED** and professional hanger with constant **EVOLUTION** for the suspension of acoustic false ceilings using galvanized steel profiles type **STIL PRIM 50** (PLACOSA), SR (KNAUF) or similar.





**PL-50** is an ultra-fast fastening that incorporates the most advanced locking harpoon of the moment (**CLIP STOP**).

With a simple gesture the profile is fixed.  
(We are the only ones who can manufacture it).

### KEY Features

It is an acoustic hanger made of renovated and high performance raw materials providing improvements in the vibro-mechanical field. It stand out by its simplicity and the direct fastening to profiles **STIL PRIM 50** (PLACOSA), **SR** (KNAUF) or similar. This type of acoustic hanger is designed to eradicate and attenuate the transmission of vibration produced by equipment with rotating and repetitive blows above **20 Hz**.

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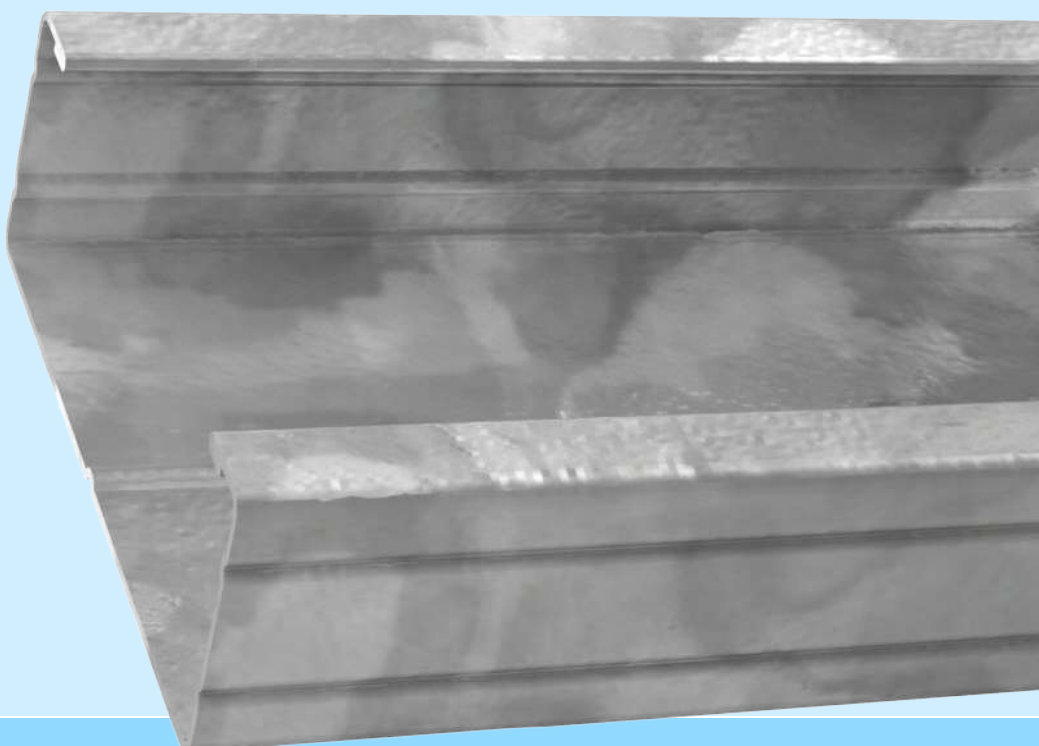
Patented

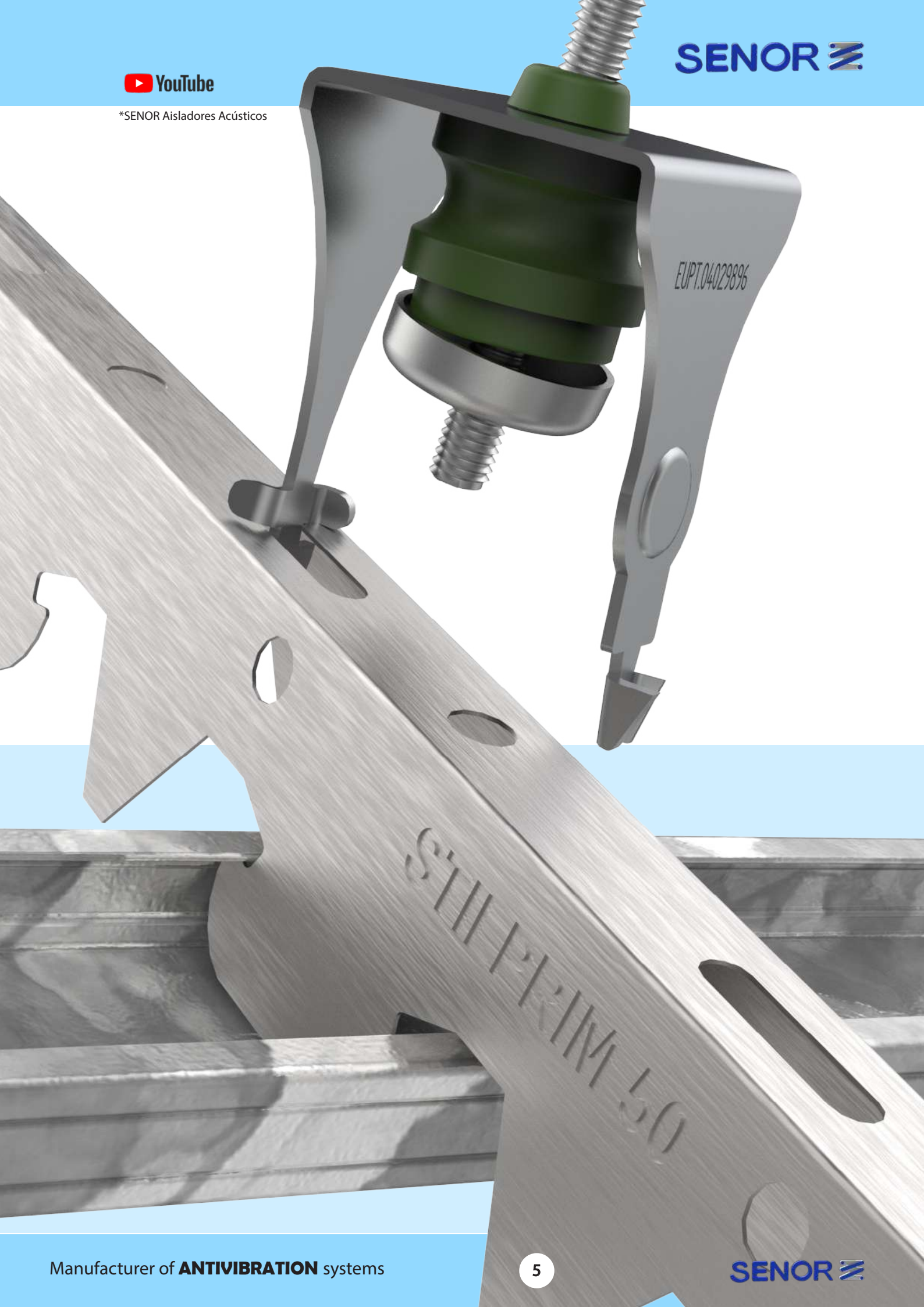
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### DYNAMIC Load capacity

In the acoustic field there is a very wide diversity of building solutions, where the distribution of the load will depend on different variables **such as: mass  $m^2$ , distance between the interaxes of the ceiling profiles, , arrangement of the acoustic hangers on the slab, etc.** The **PL-50/GOMA** model is available in **2 colours** in order to differentiate the load per unit (kg): **GREEN** and **BLUE**. The **GREEN** colour will indicate the one with the lowest weight (between **8 kg to 30 kg** of maximum load) and **BLUE**, the one with the highest load (between **27 kg to 50 kg** of maximum load). In this way, we can choose the most effective acoustic hanger depending on the system.





E.U.P.T. 04029896

STH PRIM 50

# ACOUSTIC Ceiling

Ref.  
**SE-PL-50 V**

**Green rubber:** TC-4/GPN

Load between **8-30 kg.**

**Resonance** Frequency: **7 to 15 Hz.**



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Ref.  
**SE-PL-50 A**

**Blue rubber:** TC-5/EXN

Loads between **27-50 kg.**

**Resonance** Frequency: **7 a 15 Hz.**

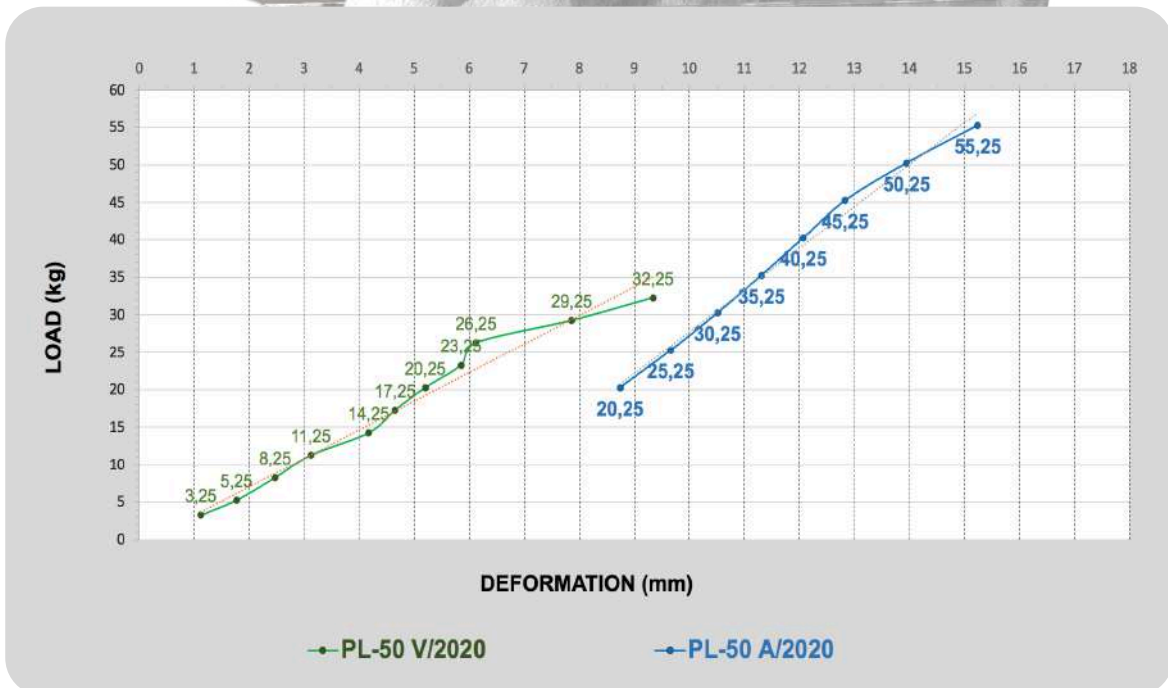
# ACOUSTIC Ceiling

## LABORATORY TESTS UNE-EN ISO 10846-1:2009

Acoustic and vibration. Laboratory measurement of vibro-acoustic transfer properties of elastic elements.

### Product charts

Chart 1



# ACOUSTIC Ceiling

Chart 2

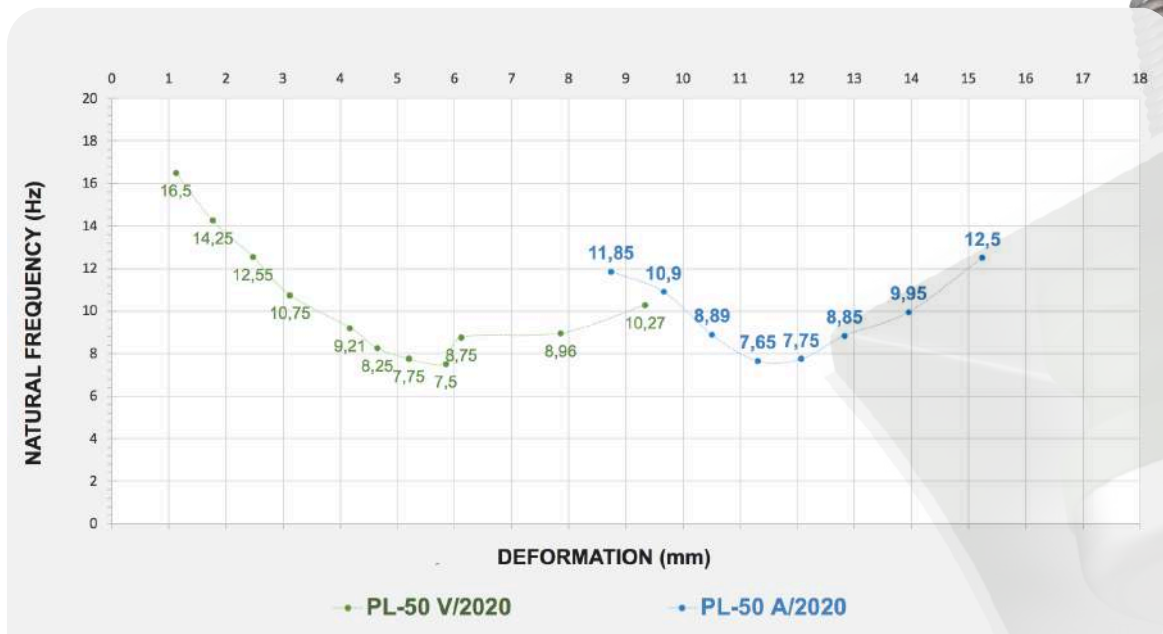


Chart 3





# PL-50 model

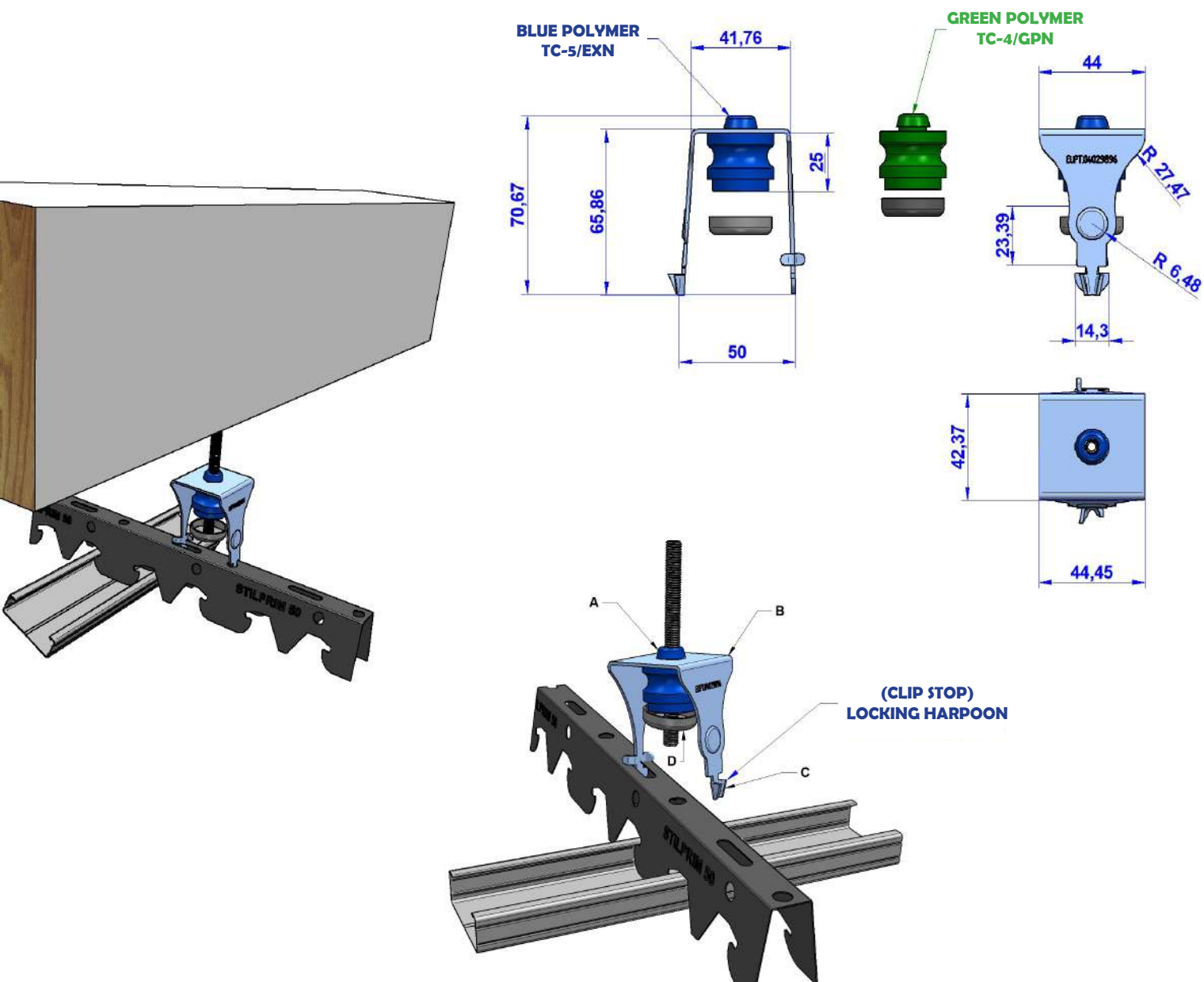
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STIL-PRIM 50

# ACOUSTIC Ceiling

## DRAWING VIEWS



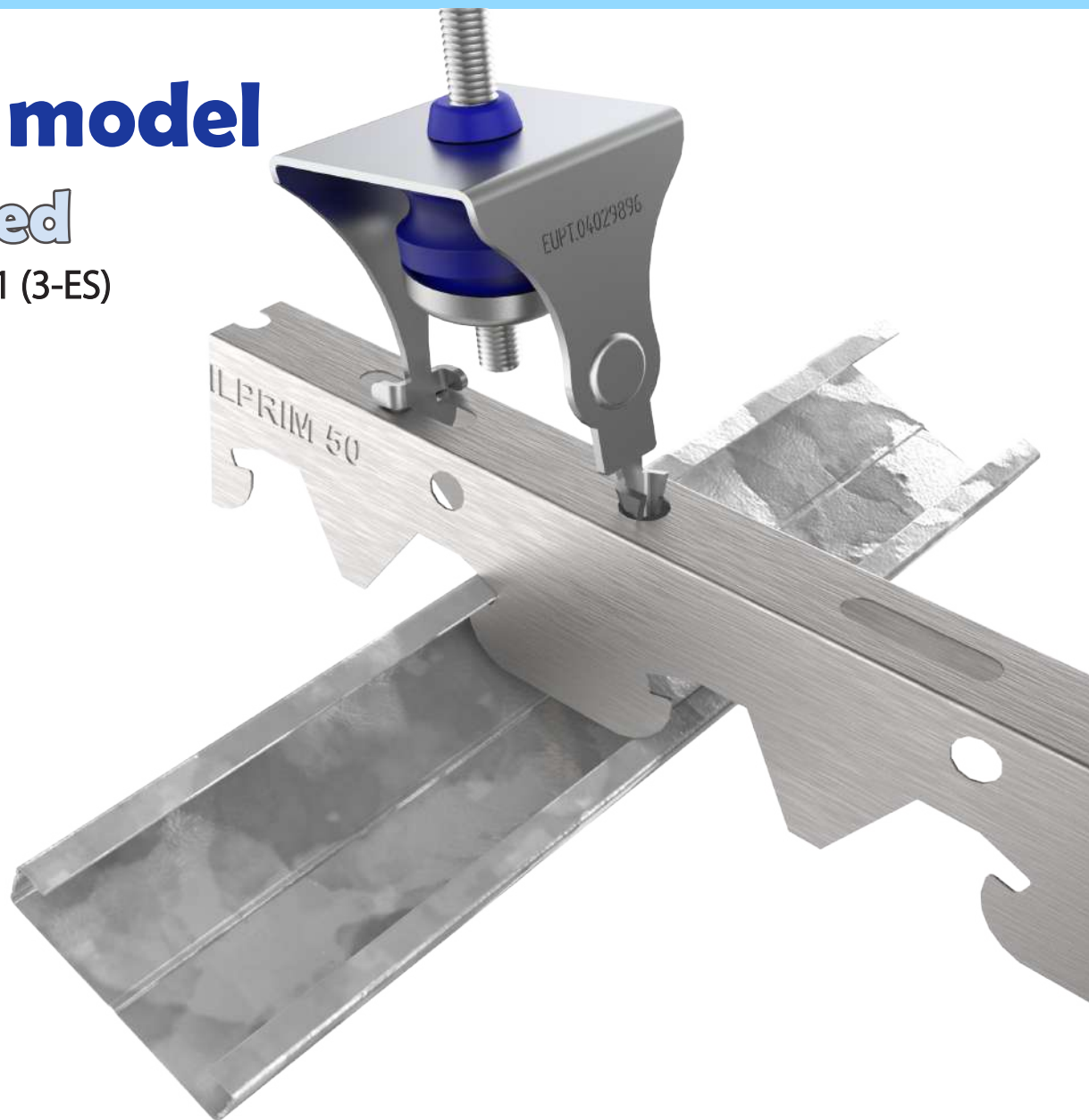
## MAIN components

(A) **Upper polymer** with projection part that avoids the contact between the threaded bar and metal components (B). In addition, it provides a perfect installation to metallic bowl-shaped piece (D) and an optimal behaviour in the range of **medium/high frequencies (Hz)**.

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(B) **External framework** made of high performance galvanized steel **Dx54d + Z140** with a **1.5 mm** thickness. It provides stiffness to the system and a fast insertion to ceiling profile.

(C) Locking device, (**CLIP STOP**), made of high performance galvanized steel **Dx54d + Z140** with **1.5 mm** thickness. **BREAKING POINT:** it is broken above the **250 kg**.

(D) **Metallic bowl-shaped piece**, made of high performance galvanized steel **Dx54d + Z140** with **1.5 mm** thickness. It provides resistance to the mechanical system. **BREAKING POINT:** The thread turns are broken above **250 kg**.

CERTIFICATE OF COMPLIANCE



SEÑOR certifies:

All our **construction** products for suspended acoustic ceilings under slab, including **PL-50** model, have an optimal lifespan of 10 years provided that the installation is carried out under **ordinary environmental conditions** and are not exposed to chemical components that could degrade the product. The **PL-50** model strictly complies with UNE (Spanish Association for Standardization) **UNE 100-153-88**: air conditioning: design criteria.



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## Warning

### Relevant information

SEÑOR reserves the right to make changes in specifications at any time without prior notice. It is a responsibility of the user to use the latest and updated version of the product data sheets. A copy of which will be available on request. This information and, in particular, relative recommendations for the application and final use of the product, are given in good faith, based on SEÑOR knowledge and experience of its products, provided that they are correctly installed in ordinary circumstances and within its useful life.

**PROJECT MANAGER:** David Muñoz SEÑOR

## DECLARACIÓN DE CONFORMIDAD.

(DIRECTIVA 89/106/CEE SOBRE LOS PRODUCTOS DE CONSTRUCCIÓN)

### EC DECLARATION OF CONFORMITY

(CONSTRUCTION PRODUCTS DIRECTIVE 89/106/CEE).

SUSPENSIONES ELÁSTICAS DEL NORTE, S.L. (**SEÑOR**)

P.I. El Garrojal, Parcela 10, módulo 4 y 5 / Palma del Río (CÓRDOBA) España (SPAIN)

DECLARA BAJO SU RESPONSABILIDAD QUE LOS SIGUIENTES **COMPONENTES DE SUBSTRUCTURA DE TECHO SUSPENDIDO** UTILIZADO EN INTERIORES DE EDIFICIOS: DECLARES UNDER ITS RESPONSIBILITY THAT THE FOLLOWING **SUSPENDED CEILING SUBSTRUCTURE COMPONENTS** TO BE USED INSIDE BUILDINGS.

USED FOR INTERIOR APPLICATIONS:

**MODELO**/MODEL: **SE-PL-50.**

**REFERENCIAS**/REFERENCES:

SE-PL-50 V/M6

**SE-PL-50 A/M6**

**MÉTRICA**/METRIC: **6 y 8.**

**PERFIL**/PROFILE: **SR / STIL PRIM50**

SE-PL-50 V/M8

**SE-PL-50 A/M8**

**CUMPLE LOS REQUISITOS DE LA NORMA:**

**A1:2008**

MEET THE REQUIREMENTS OF THE STANDARD

**UNE-EN 13964:2006; UNE-EN 13964:2006/**

**EN 13964:2006; EN 13964:2006/A1:2008**

**APLICACIONES:**

**ACÚSTICOS.**

APPLICATIONS:

**PARA USO EN LA INSTALACIÓN DE FALSOS TECHOS**

TO BE USED IN THE INSTALLATION OF ACOUSTIC CEILINGS

**FECHA DE EMISIÓN:** 07/02/2018

ISSUED ON: 07/02/2018

**GERENTE/MANAGING DIRECTOR**

Ms Carmen López Iglesias