

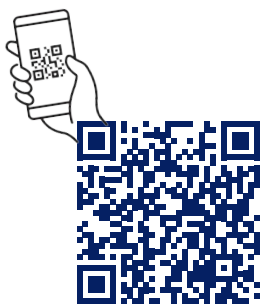


*SENOR Aisladores Acústicos

ANNOYING NOISES?

HERE IS THE SOLUTION

THE THINNEST **RUBBER** MOUNT FOR PROTECTION OF VIBRATIONS WITH
FIXATION **SUITABLE** FOR STEEL CHANNELS TYPE
TC-45/48



New
p.t.202230954

FTD-MINI 47 is the thinnest mount on the market, it is the present and future solution to soundproof small spaces.

Using it, acoustic ceilings and are built with minimal effort, obtaining a lab-tested acoustic enhancement to airborne noise of more than **12 dB**.

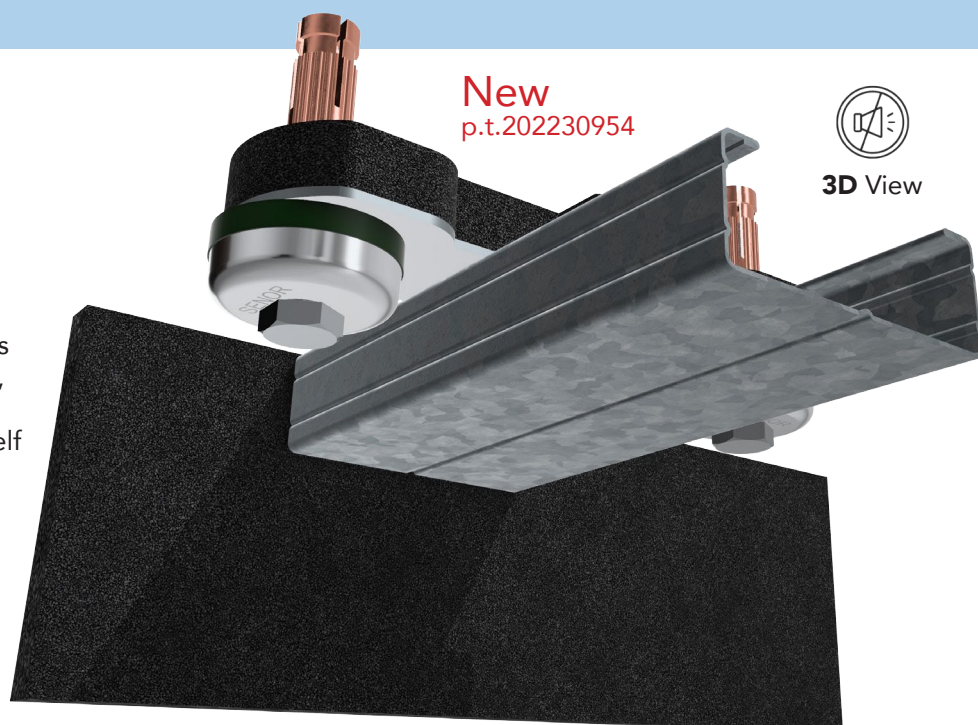
Our engineers work every day to offer new **future alternatives**.

3D view



Product **FTD-MINI 47**

It is a **RUBBER** mount made with high quality materials. It allows soundproofing ceilings using channels such as **TC47**, **F-530**, **MAESTRA 47/17** or similar. It is capable by itself of reducing the space to a minimum with amazing **ALREADY TESTED** results.



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3D View

WALL fastening system

SENOR has made it possible by applying the latest technologies in the vibro-acoustic sector. They are first generation mounts with double fixing to wall, consisting of: double acoustic core, manufactured using a renewed polymer that provides a higher performance to the clip.

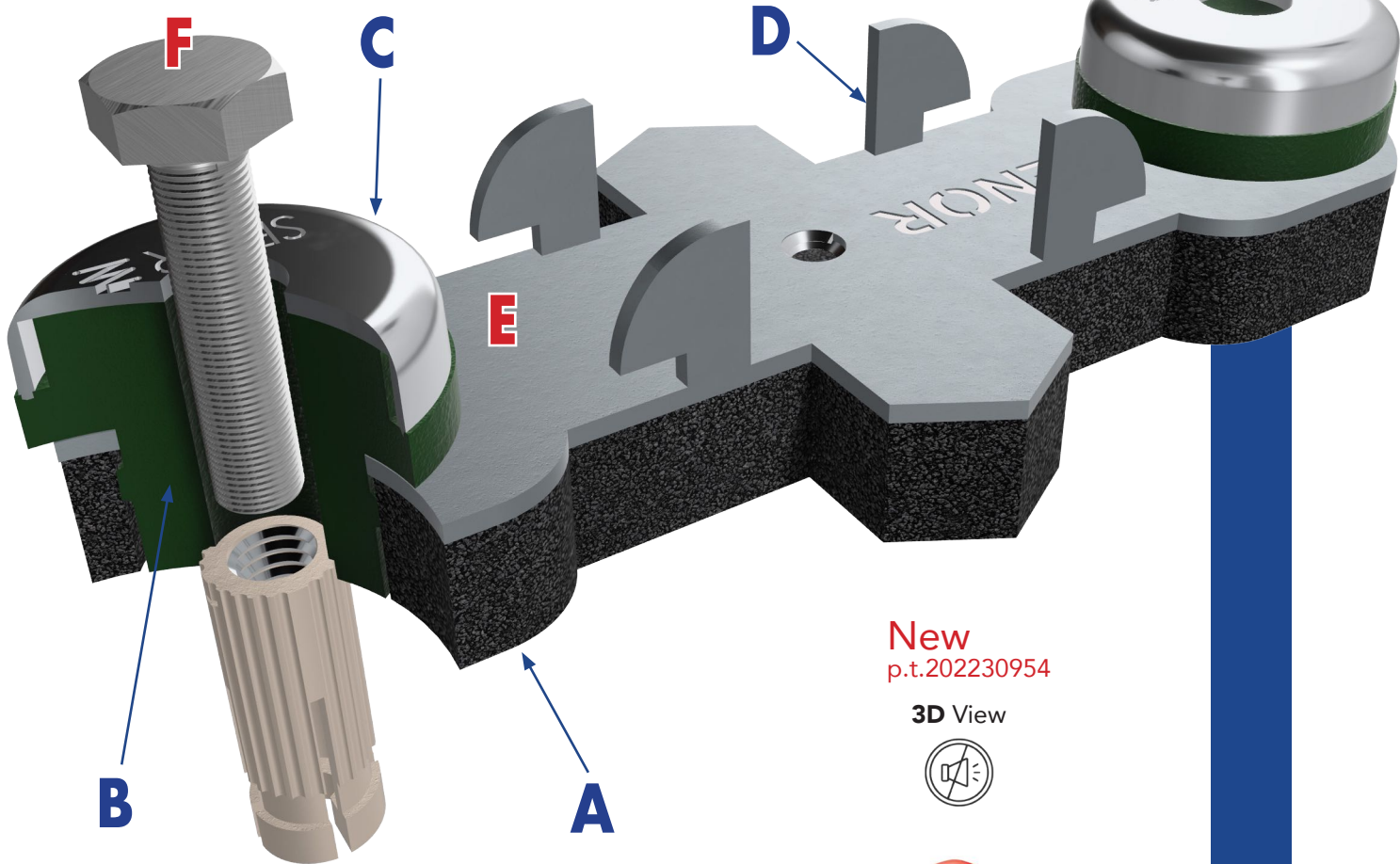


The **TC4/GPN** polymer presents a higher damping factor as well as a high degree of vibration isolation in the range of low, medium and high frequencies Hz. It also provides improvements in its internal mechanical properties and an acoustic performance increase of **>10%**.



REF. SE-FTD-MINI 47

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MAIN features

The mount **FTD MINI-47** incorporates a quick catch called **CLIP STOP (D)** providing this way quality and performance to the different finishes. It is a fast fastening for ceilings using metal ceiling channels such as **TC-45/48** mm width and **17 mm** height.

A: Acoustic band BEC-10: it is an acoustic microcellular sheet made of **EPDM CR-130** allows a better settlement of the clip on the original material of the ceiling, absorbing any small imperfection that the original facing may present, in addition to provide an optimal performance in the frequency range (Hz).

B: Rubber TC4/GPN: a renewed polymer with a protruding part, it prevents the possible contact between the screw **F** and the metallic components **E**. In addition, it provides a perfect settlement and an optimal performance in the mid/high frequency range (Hz).

C: Bowl-shaped piece: manufactured with **DC04** deep-drawn steel according to **EN 10131** steel standard and an edge thickness of 1.5 mm. This design allows to increase the mechanical resistance of the piece and guarantee the fixing process.

D: CLIP STOP: made of **Dx54d + Z140** high performance galvanized steel with an edge thickness of 1.5 millimetres. It is a simple piece. Safety and Fast is now possible!

E: Steel plate FTD: made of **Dx54d + Z140** high performance galvanized steel with an edge thickness of **1.5 millimetres**. It provides rigidity to the system and axial compression in both directions to the elastics components of the product.

F: Safety device: Steel screw. It is available in several types depending on the fixation plug.
(It is **NOT** included with the mount).



REF. SE-FTD-MINI 47

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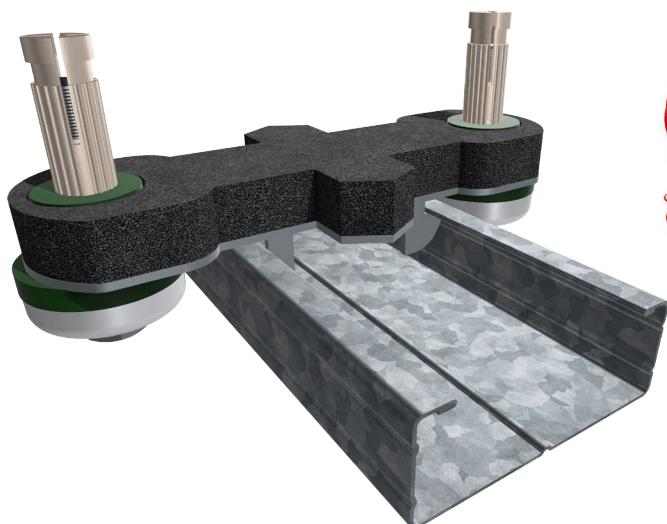
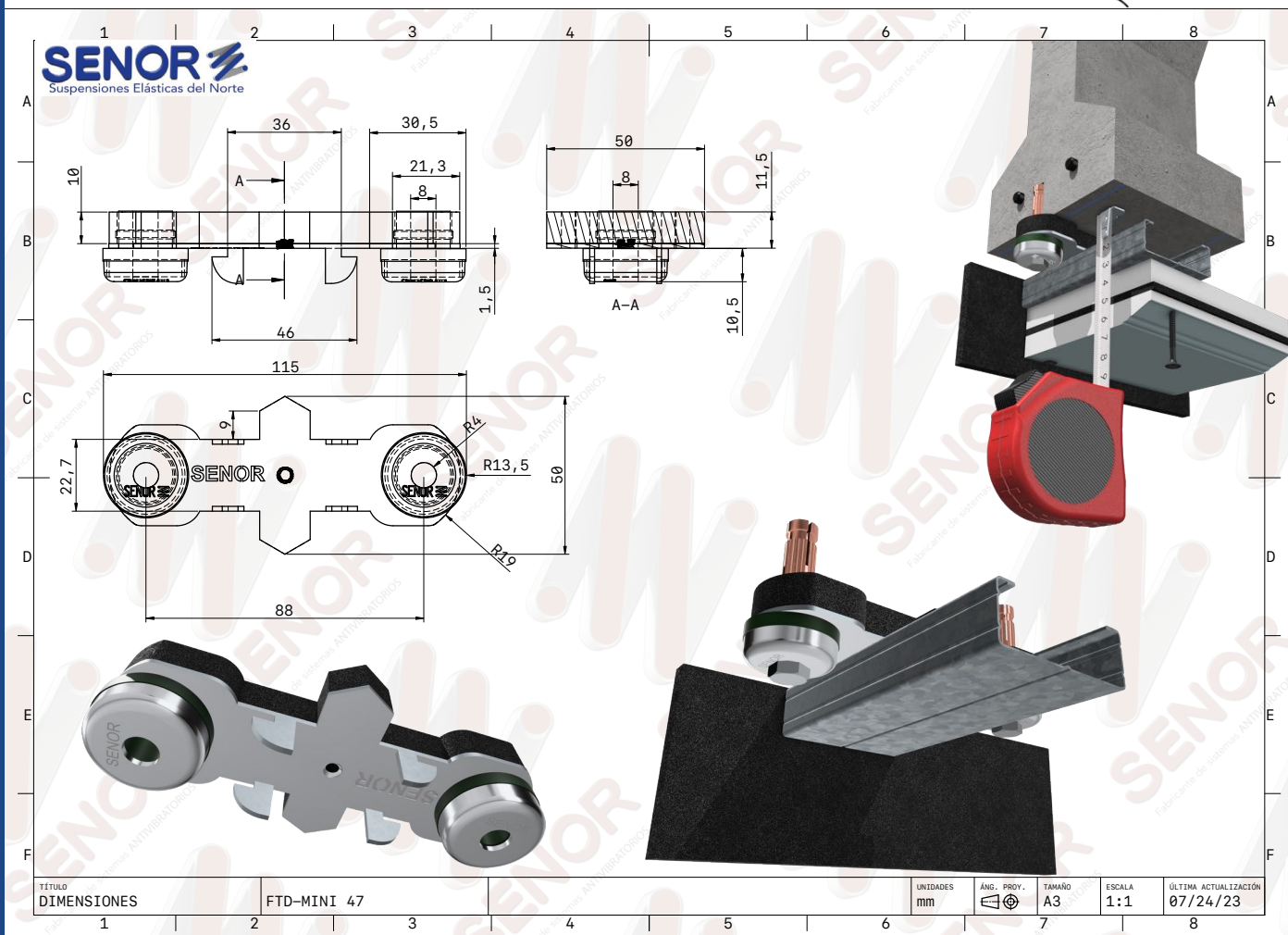


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Dimensions FTD-MINI 47

| REF | COLOUR | METRIC MIN-MAX | PROFILE (mm) | LOAD Kg MIN-MAX |
|----------------|---|----------------|--------------|-----------------|
| SE-FTD MINI/47 |  | - | 45/48 | 3 - 25 |



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Excellent performance!

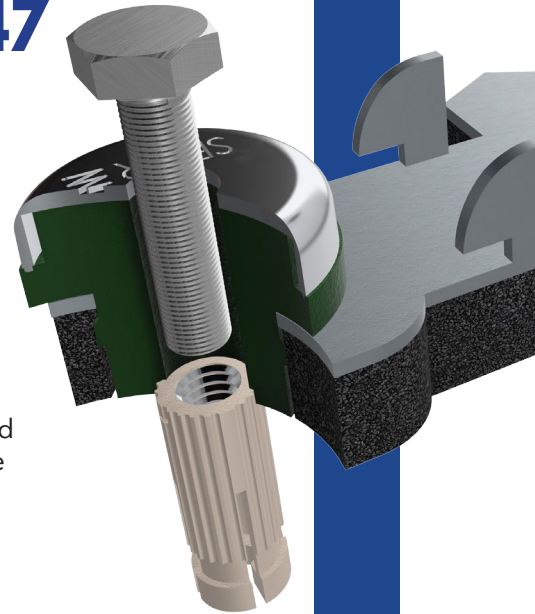
It is an ideal mount for acoustic ceilings.
Get ride of noises!

REF. SE-FTD-MINI 47

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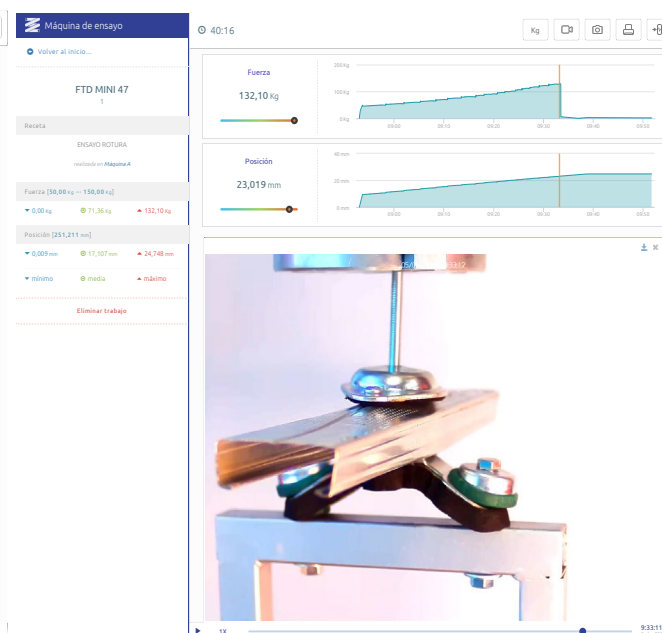
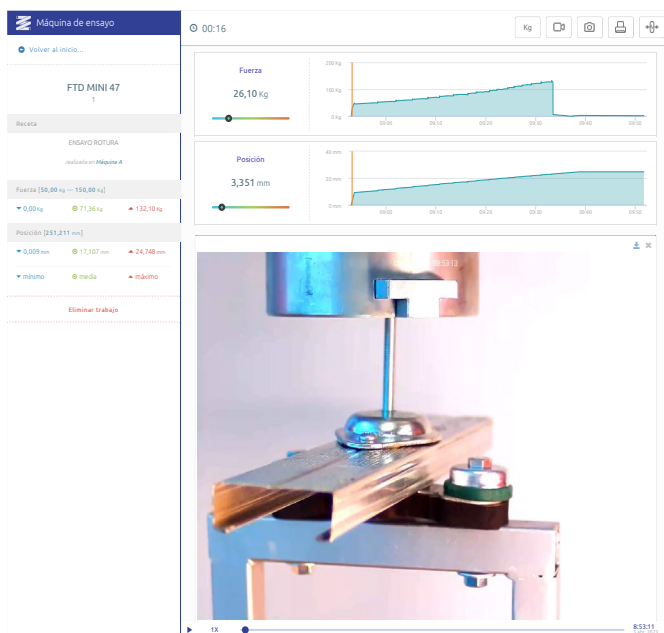


DEFORMATION Test

Date: April, 5 2023

Failure mode: The plate of FTD exceeds the elastic limit by reaching **68,56 kg**. A higher load is applied and when **132,10 kg** are reached the profile is detached from the piece and the test is concluded and the strength line go down until the **10,80 kg**.

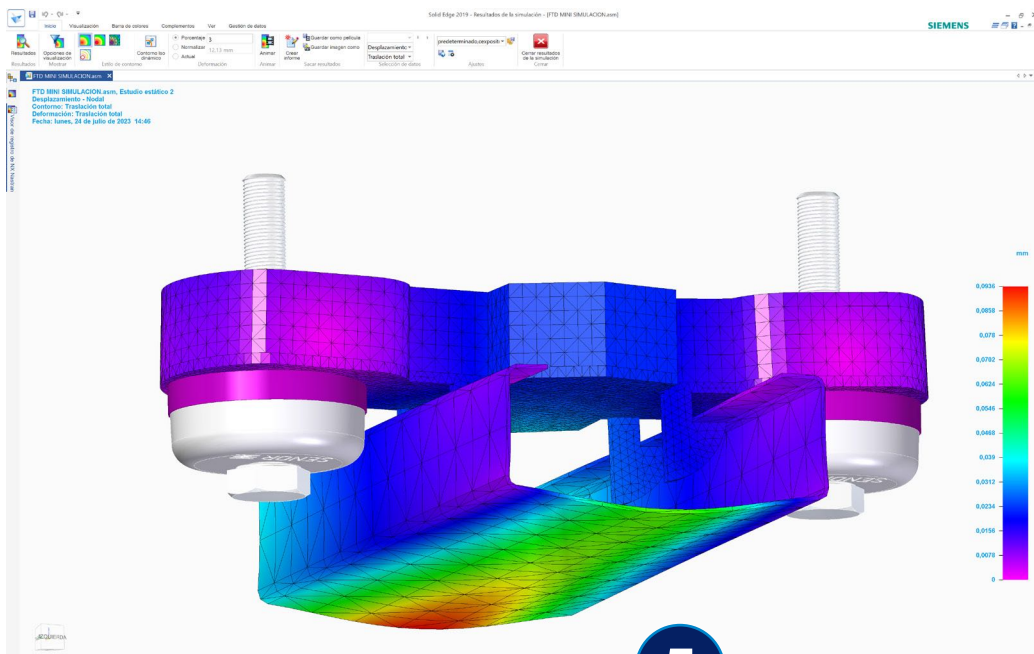
It strictly complies with **UNE-EN 13964:2016/A1** due to it is a mount for loads between **3 up to 25 kg** of maximum load.



UNE-EN ISO 10846-1:2009

Acoustic and vibrations:

Laboratory measurement of vibro-acoustic transfer properties of the elastic elements.



Results: AXIAL COMPRESSION

| LOAD (Kg) | DEFORMATION (mm) | R.FREQUENCY (Hz) | SWEEP (mm) | | % SOUNDPROOFING LEVEL (mm) | |
|-----------|------------------|------------------|------------|----|----------------------------|-------|
| 3 | 1,45 | 12,01 | 25 | 50 | 70,00 | 93,88 |
| 8 | 1,95 | 11,00 | 25 | 50 | 75,99 | 94,91 |
| 14 | 2,43 | 9,66 | 25 | 50 | 82,45 | 96,12 |
| 20 | 2,89 | 8,40 | 25 | 50 | 87,27 | 97,10 |
| 26 | 3,35 | 8,85 | 25 | 50 | 85,67 | 96,77 |

TPE

Data sheet

TC4GPN (GP/FG Series)

THERMOLAST® K

Product properties

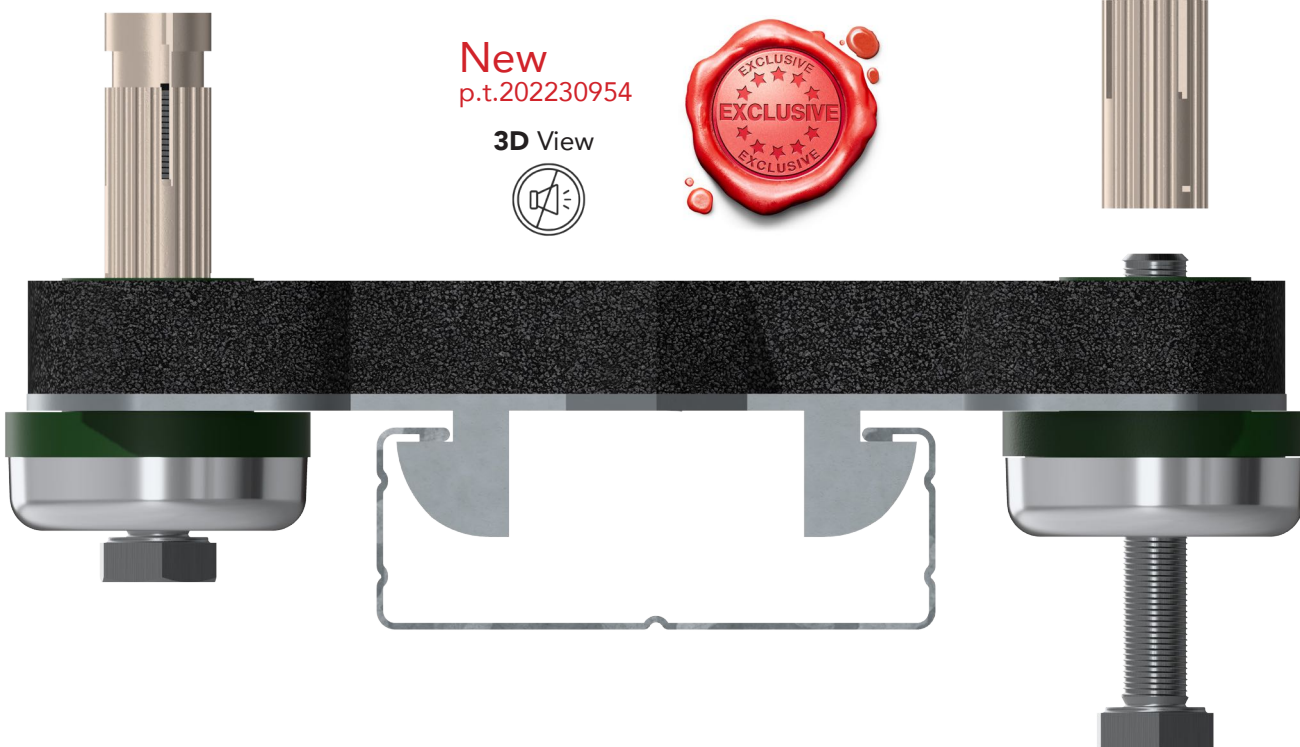
| | | |
|---------------------|---------|--|
| Name | TC4GPN | |
| Series | GP/FG | |
| Colour / RAL DESIGN | Natural | |

Mechanical properties

| | | |
|----------------------------------|-----------------|--------------------------------|
| Hardness | 39 +/- 5 ShoreA | DIN ISO 7619-1 |
| Density | 1.100 g/cm3 | DIN EN ISO 1183-1 |
| Tensile strength ¹ | 6.5 MPa | DIN 53504/ISO 37 |
| Elongation at break ¹ | 800 % | DIN 53504/ISO 37 |
| Tear resistance | 14.0 N/mm | ISO 34-1 Methode B (b)(Graves) |
| CS 72 h/23 °C | 12 % | DIN ISO 815-1 Method A |
| CS 24 h/70 °C | 23 % | DIN ISO 815-1 Method A |
| CS 24 h/100 °C | 59 % | DIN ISO 815-1 Method A |

¹ Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.

All values published in this data sheet are rounded average values.



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Installation
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