

Ref. 6025 V/MDS

ACOUSTIC HYBRID HANGER WITH DIRECT FASTENING TO CEILING CHANNELS TC60, RIGI 60 or MAESTRA 6027

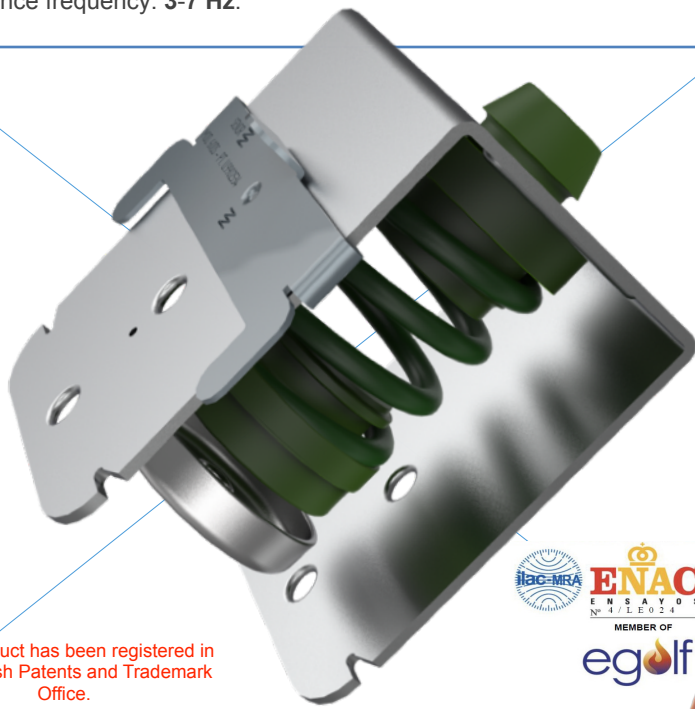
This model is a hybrid acoustic hanger made with the latest technology and with high quality raw materials. It is the first **hybrid hanger** which strictly complies with the Fire Resistant Standard **EI120**.

The **HYBRID** system is the combination of a polymer (rubber) and a steel spring:

- The helicoidal spring: it is made of steel according to Standard **DIN 2095-UNE EN 10270**, with antioxidant finish and covered with **metallic green EPOXI**.
- The polymer: this is a high quality polymer known as **KRAIBURG-TPE** which is tested according to the Standard **UNE-EN ISO 10846-1:2009**.

This combination provides quality and performance to any given acoustic system and eradicate sound frequencies and vibrations. This hanger get fastened into the channel easily and quickly thanks to our exclusive design. **We are the only ones who can manufacture it.**

✓ Resonance frequency: **3-7 Hz**.



*This product has been registered in the Spanish Patents and Trademark Office.

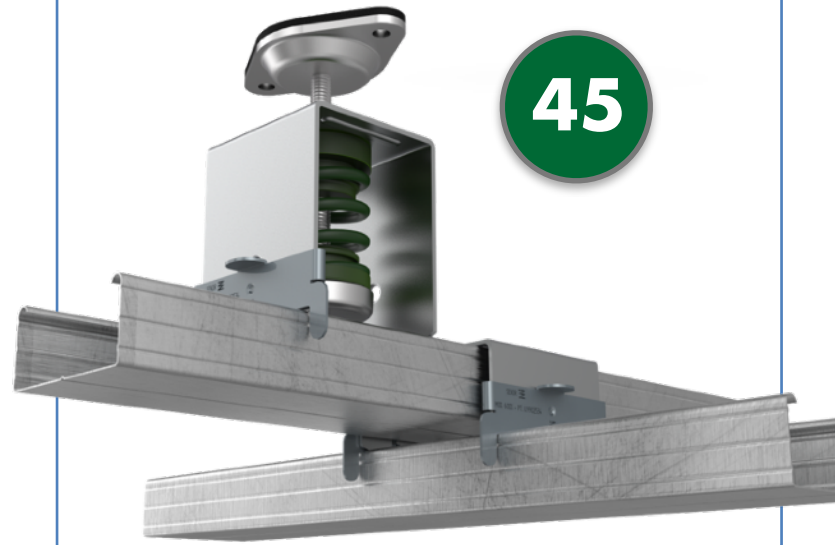


(DS)

USES

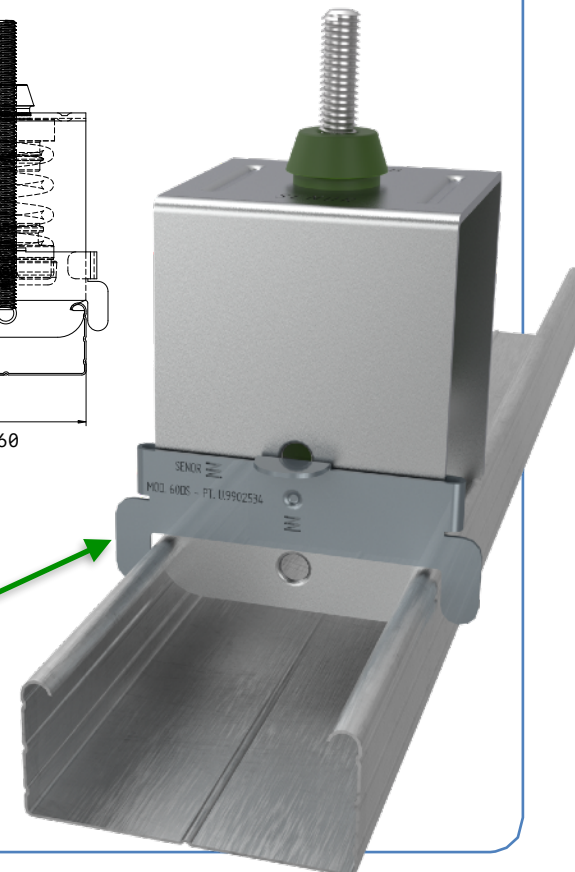
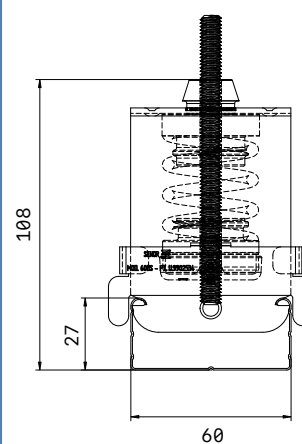
Installation of acoustic ceilings

45



METAL CHANNEL

Galvanized steel ceiling channel 60 millimeters

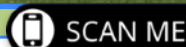


REF	COLOUR	METRIC MIN-MAX	CHANNEL (mm)	LOAD (kg) MIN-MAX	PACKING
SE-6025 V/MDS/35		6 - 8	60	15 - 45	35



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Laboratory test UNE-EN ISO 10846-1:2009

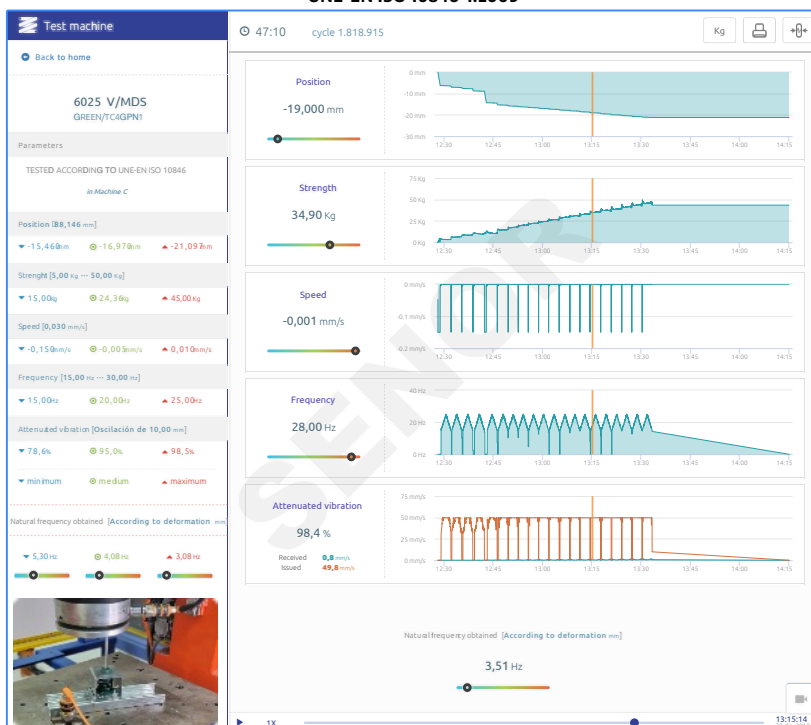


Chart 1

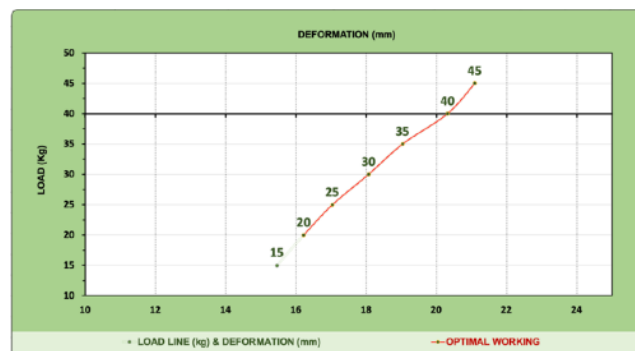
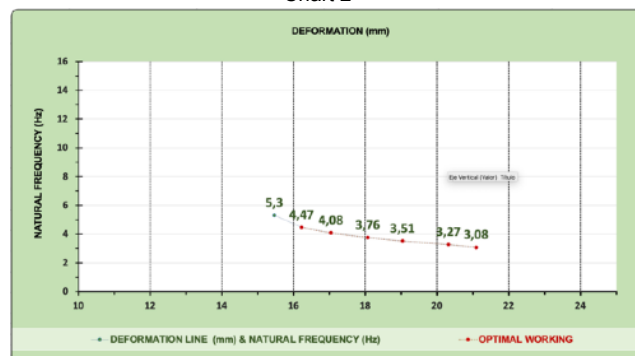


Chart 2

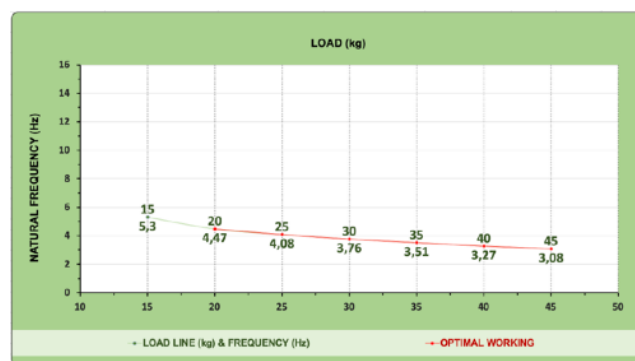


LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
20	16,22	4,47	25	50	96,70	99,19
25	17,04	4,08	25	50	97,26	99,33
30	18,07	3,76	25	50	97,69	99,43
35	19,04	3,51	25	50	97,99	99,50
40	20,32	3,27	25	50	98,26	99,57
45	21,09	3,08	25	50	98,46	99,62

Laboratory test

UNE-EN ISO 10846-1:2009

Chart 3

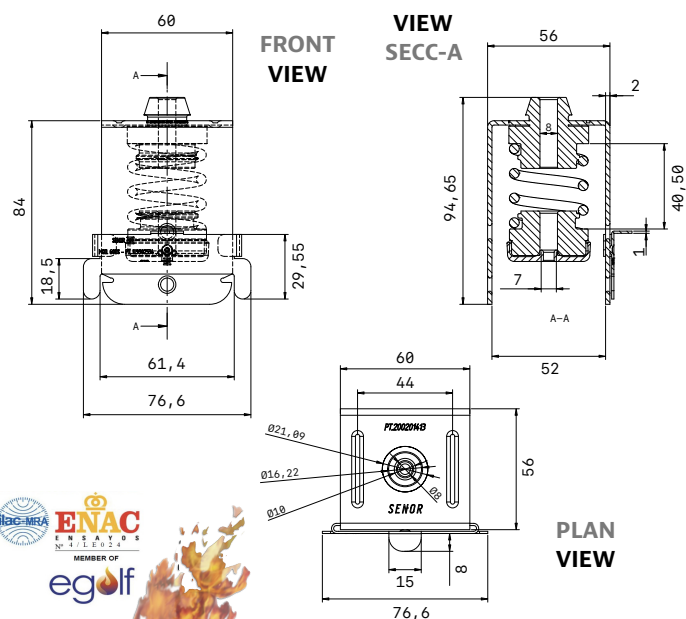
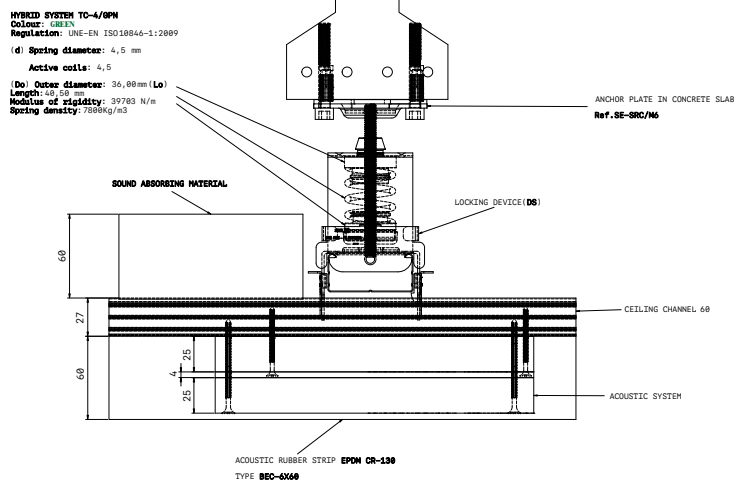




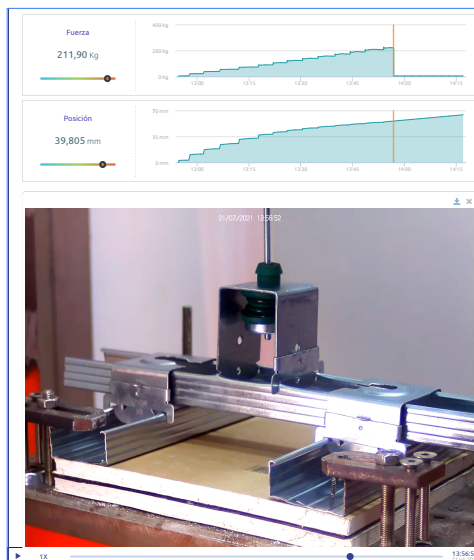
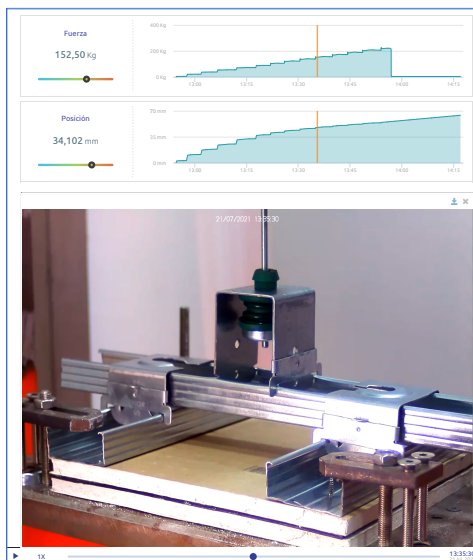
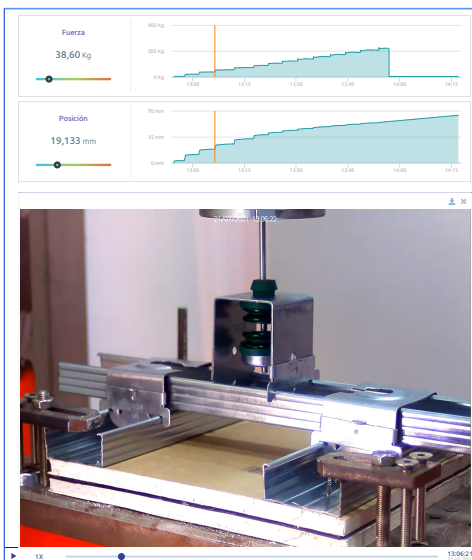
*SENOR Aisladores Acústicos

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DRAWING VIEWS Ref.SE-6025 V/MDS



BREAK STRENGTH TESTING



Applied load: 38,60 kg

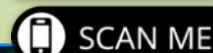
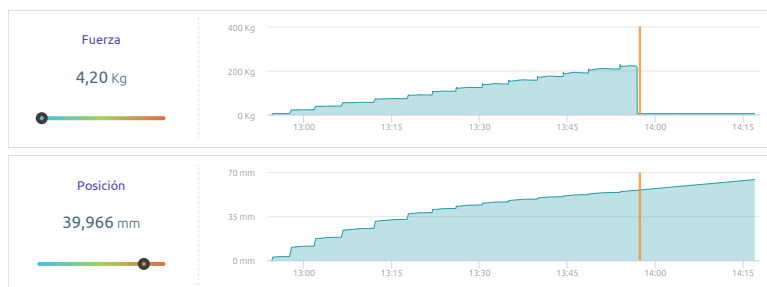
Applied load: 152,50 kg

Applied load: 211,90 kg



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Test date:
SEÑOR 21st July 2021

Failure mode

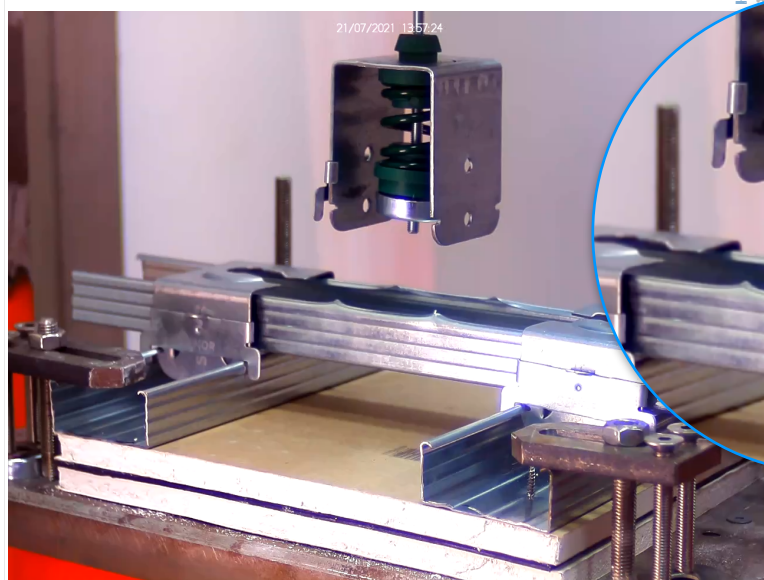
This acoustic hanger exceeds the elastic limit of ceiling channel by reaching **212 kg**. In this case, the strength line goes down and reaches **4,20 kg**.

The burst test is concluded.

Conclusion

This acoustic hanger is devised to bear loads between **15 kg** up to **45 kg** (maximum load).

It strictly complies with Standard **UNE-EN 13964:2016/A1**.
Suspended ceiling. Requirements and test methods.
UNE: Spanish Association for Standardization.



INSTALLATION

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STEP 1

STEP 2

STEP 3

STEP 4

