

Ref. 4715 G/MDS

ACOUSTIC **HYBRID** HANGER WITH DIRECT FASTENING TO CEILING CHANNELS **TC47**, **F530** or **MAESTRA 4717**

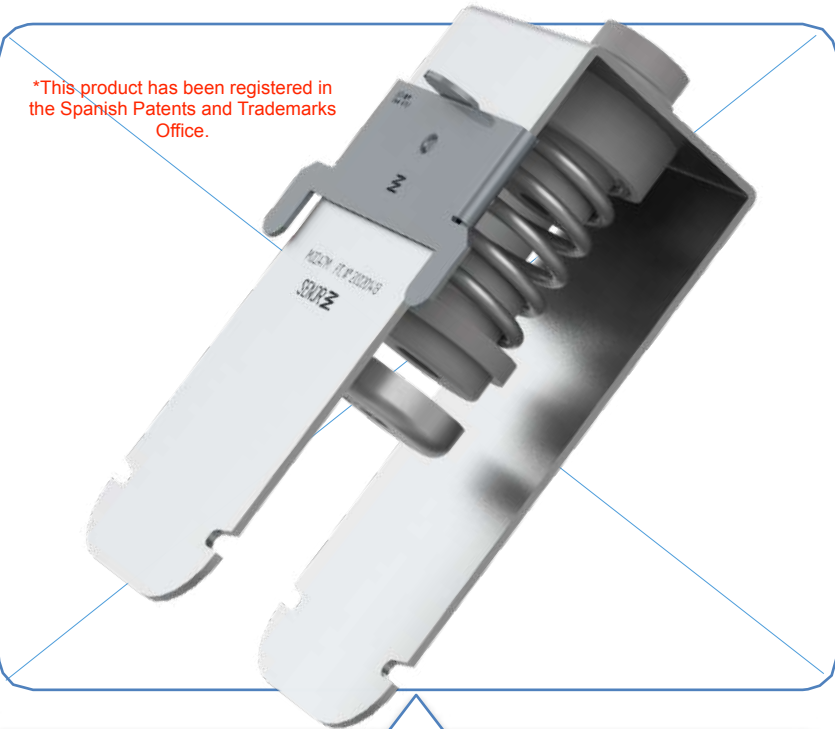
The **4715 G/MDS** is a hybrid acoustic hanger made with the latest technology and with high quality raw materials.


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

- Helicoidal spring: it is made of steel according to Standard **DIN 2095-UNE EN 10270**, with antioxidant finish and covered with metallic grey **EPOXI**.
- 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**.



REF.	COLOUR	METRIC MIN-MAX	CHANNEL (mm)	LOAD (kg) MIN-MAX	PACKING
SE-4715 G/MDS/50		6 - 8	45 / 48	3 - 15	50

SENOR 

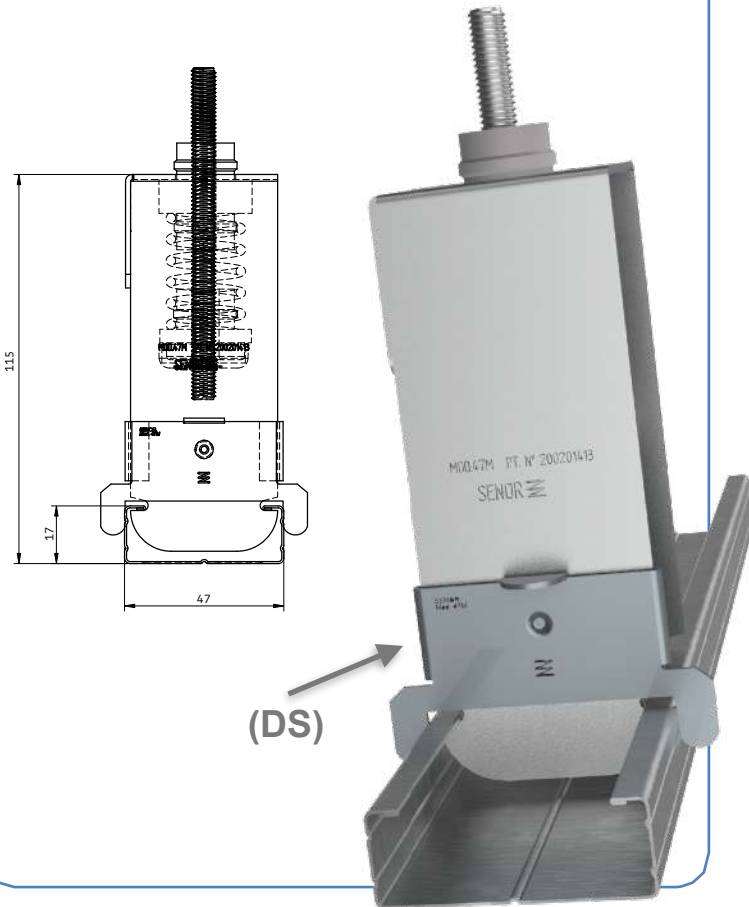
USES
Installation of acoustic ceilings

15



METAL CHANNEL

Galvanized steel ceiling channel 45/48 millimeters





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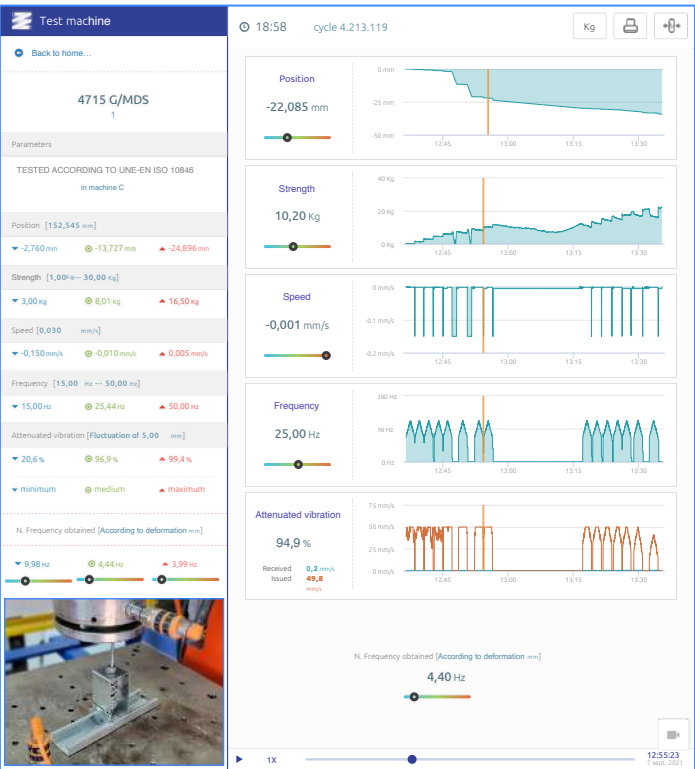
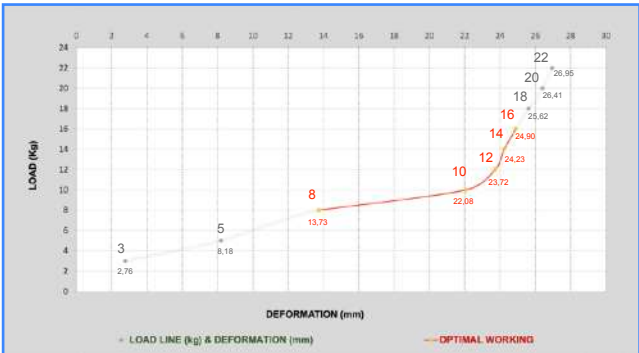
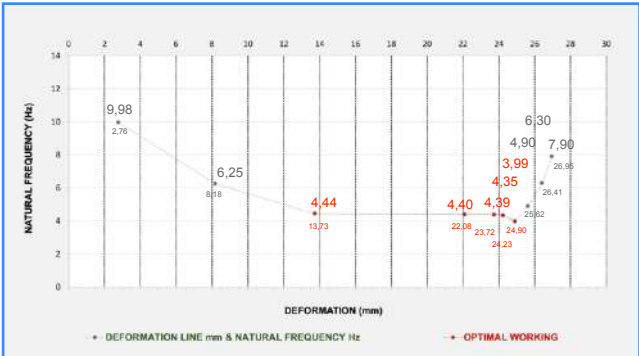


Chart 1



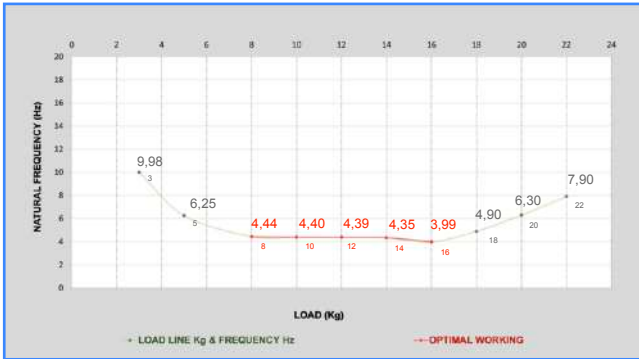
Laboratory test
UNE-EN ISO 10846-1:2009

Chart 2



LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
3	2,76	9,98	25	50	81,04	95,85
5	8,18	6,25	25	50	93,33	98,41
10	22,08	4,40	25	50	96,74	99,22
12	23,72	4,39	25	50	96,82	99,22
14	24,23	4,35	25	50	96,88	99,24
16	24,90	3,99	25	50	97,39	99,36

Chart 3





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3D DETAIL Ref.SE-4715 G/MDS

HYBRID SYSTEM TC-3/GPN
Colour: GREY

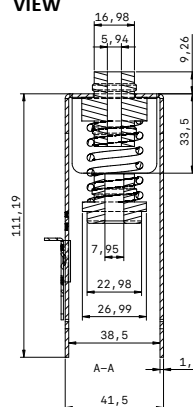
Spring diameter: 2,8 mm
Modulus of rigidity: 12078 N/m
Load: 3 kg up to 15 kg
Resonance frequency: 3-7 Hz

DEADENING MATERIAL

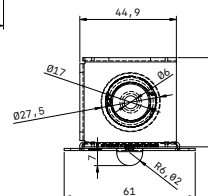
ACOUSTIC SYSTEM

SCALE 1:1

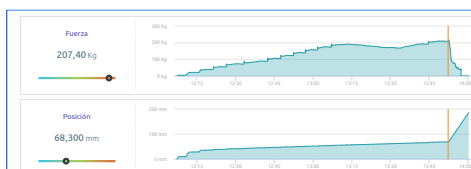
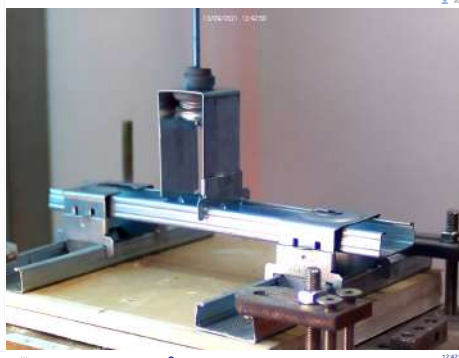
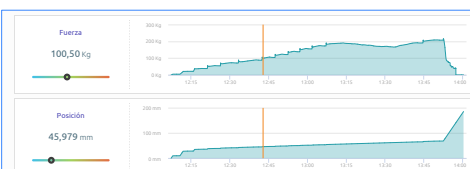
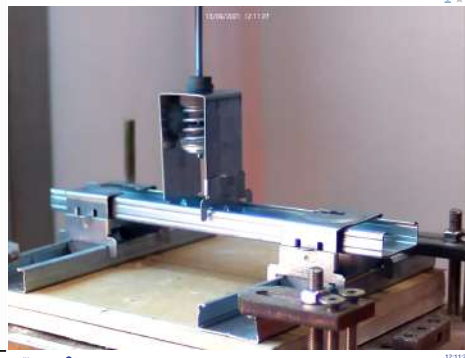
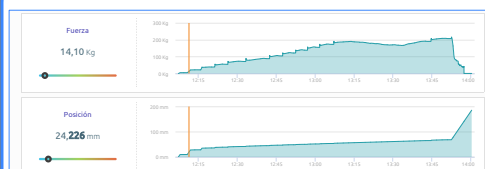
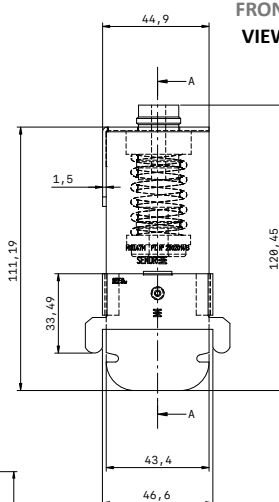
SIDE VIEW



PLAN VIEW



FRONT VIEW



Applied load: 14,10 kg

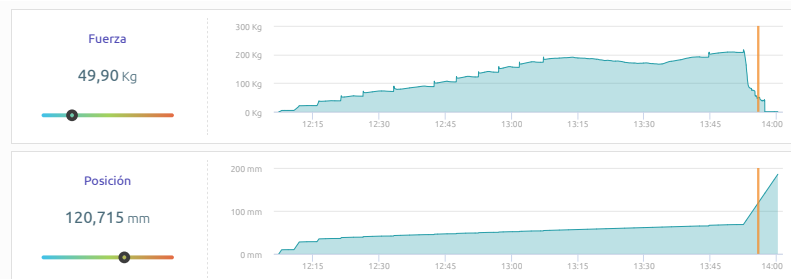
Applied load: 100,50 kg

Applied load: 207,40 kg



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Test date:
SENR 13 September 2021

Failure mode

This acoustic hanger exceeds the elastic limit of ceiling channel by reaching **207,4 kg**. In this case, the strength line goes down and reaches **49,90 kg**.

The burst test is concluded.

Conclusion

This acoustic hanger is devised to bear loads between **3 kg** up to **15 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

