

Ref. 4775 R/MDS

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

This model is a hybrid acoustic hanger made with the latest technology and with high quality raw materials. It strictly complies with **fire resistance** standard EI-120.

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

- The helicoidal spring: Fit is made of steel according to Standard **DIN 2095-UNE EN 10270**, with antioxidant finish and covered with metallic **red EPOXY**.
- 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 eradicates 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 Trademarks Office.



SENOR

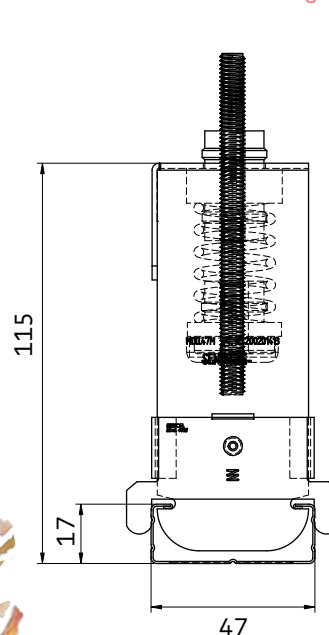
USES

Installation of acoustic ceilings

75

METAL CHANNEL

Galvanized steel ceiling channel of 45/48 millimeters



(DS)

REF.	COLOUR	METRIC MIN-MAX	CHANNEL (mm)	LOAD (Kg) MIN-MAX	PACKING
SE-4775 R/MDS/50		6 - 8	45 / 48	45 - 75	50



SENOR Aisladores Acústicos

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Laboratory test UNE-EN ISO 10846-1:2009

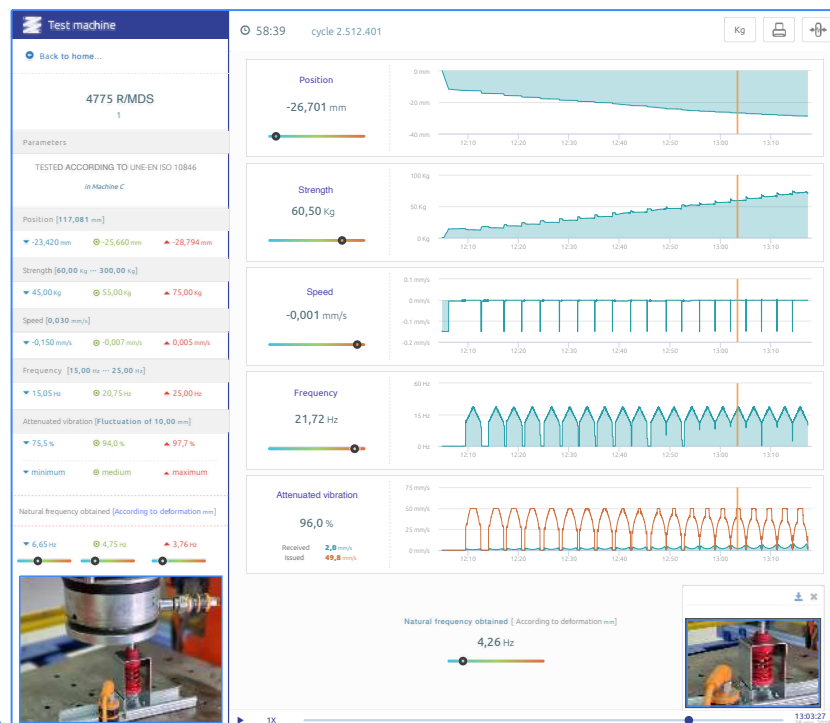


Chart 1



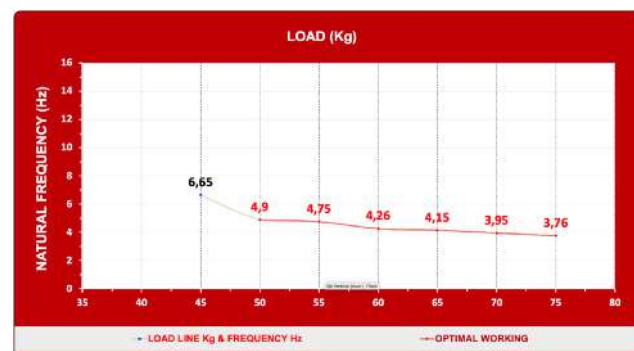
Chart 2



LOAD (Kg)	DEFORMATION (mm)	RESONANCE FREQUENCY (Hz)	SWEEP (Hz)		SOUNDPROOFING LEVEL (%)	
50	24,30	4,90	25	50	96,00	99,03
55	25,66	4,75	25	50	96,25	99,09
60	26,70	4,26	25	50	97,01	99,27
65	27,66	4,15	25	50	97,17	99,31
70	28,33	3,95	25	50	97,44	99,37
75	28,79	3,76	25	50	97,69	99,43

Laboratory test UNE-EN ISO 10846-1:2009

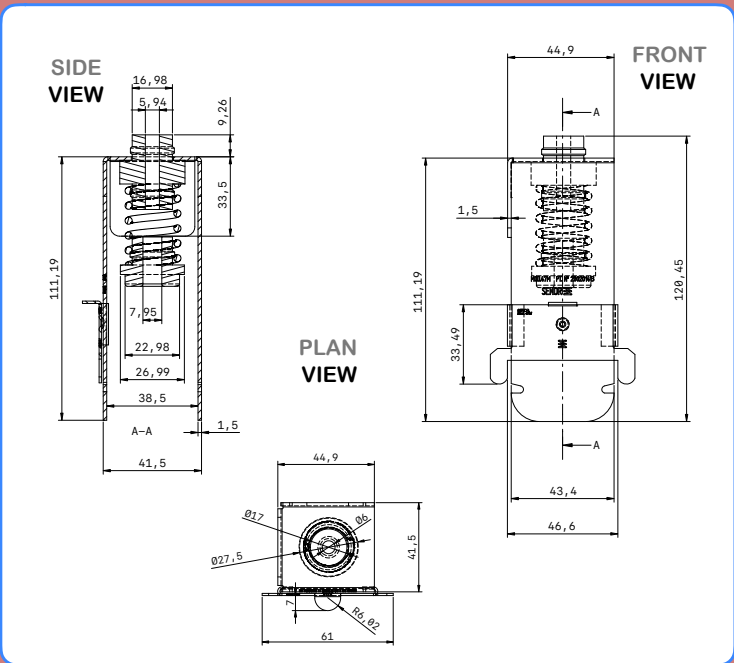
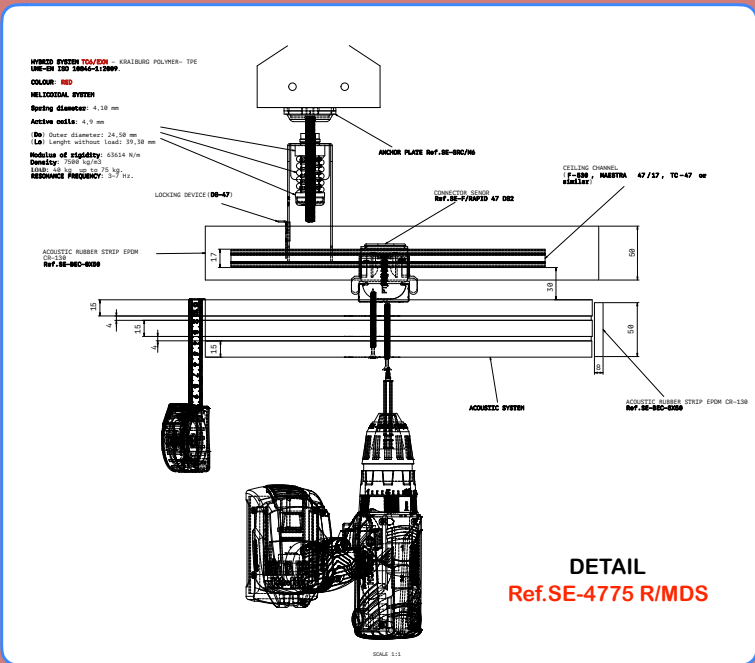
Chart 3



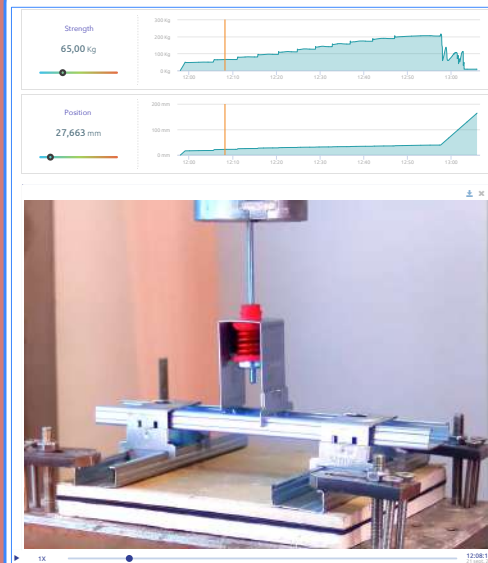


*SENOR Aisladores Acústicos

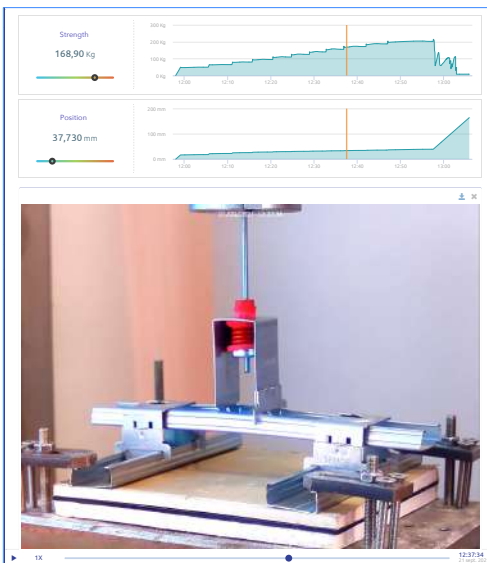
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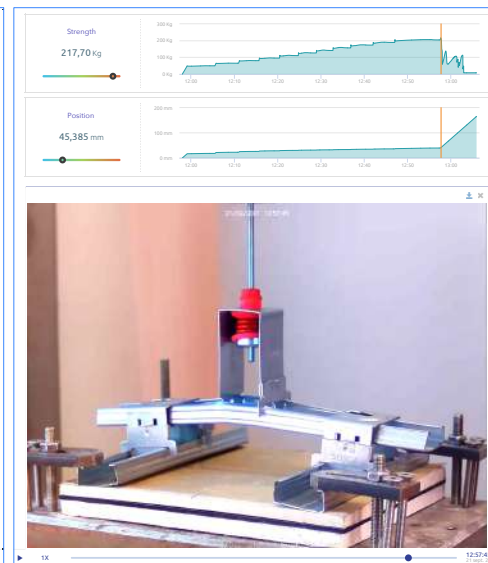
BREAK STRENGTH TESTING



Applied load: 65,00 kg



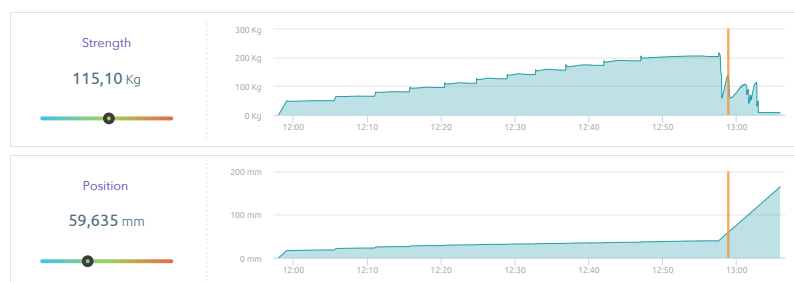
Applied load: 168,90 kg



Applied load: 217,70 kg



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Test date

SEÑOR 21st september 2021

Failure mode

This acoustic hanger exceeds the elastic limit of ceiling channel by reaching **217,7 Kg.** In this case, the strength line goes down and reaches **115,10 Kg.**

The burst test is concluded.

Conclusion

This acoustic hanger is devised to bear loads between **45 kg** up to **75 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 GUIDE

