AKUSTIK SUPER T-47 AKUSTIK SUPER T-60

TENSILE TEST ANALYSIS





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General specifications:

- Date of the test:
- □ Place of the test:

15/02/2021

AMC, Asteasu, Spain

- Customer contact:
- Mount type:

Akustik Super T-47 (Ref. 23194) Akustik Super T-60 (Ref. 23196)



Test Protocol:

- Testing equipment: Hounsfield Universal Testing Machine
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- Distance between fixing points: 115mm
- Excitation signals shape: Ramp
- Vertical load: Maximum load until break.
- The mechanical resistance is measured with and without the bolt, to see its difference.



• Pictures of the tested mount are shown below:

Mount 1 – AKUSTIK SUPER T-47



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• A tensile test was carried out to each type of mount with and without a screw:



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AKUSTIK SUPER T-47 - Without screw







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• A tensile test was carried out to each type of mount with and without a screw:







T-47 TENSILE TEST

• A tensile test was carried out to each type of mount with and without a screw:



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T-60 TENSILE TEST







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• Pictures of the tested hanger after the test is carried out are shown below:

AKUSTIK-SUPER-T-47 WITH SCREW



















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• Pictures of the tested hanger after the test is carried out are shown below:

AKUSTIK-SUPER-T-60 WITH SCREW







AKUSTIK-SUPER-T-60 WITHOUT SCREW











- For both analyzed cases, the results show that the installation option recommended by AMC MECANOCAUCHO, which is the option with the screw, has been able to withstand a higher load before the failure, this difference being more visible for the Akustik Super T47
 + Sylomer®, where the option with the screw has been able to withstand almost 1500N more.
- For both analyzed situations, the first element to fail has been the profile (profiles T-47 and T-60 respectively). This results show that the metallic parts of the Akustik Super + Sylomer® can withstand tensile loads of over 350kg without a mechanical failure.





Using advanced technology, AMC MECANOCAUCHO focuses on the reduction of noise and vibration. More than 50 years of experience to solve a wide range of applications and environmental challenges in industrial or building acoustics. Specialised on isolation, attenuation and suspension solutions, we have a reputation for high quality, extraordinary performance and long service life. Our commitment to find the correct polymer technology optimize comfort, health and safety while creating a maximum business value through improved longevity, productivity and cost effectiveness.

WWW.MECANOCAUCHO.COM / WWW.AKUSTIK.COM

