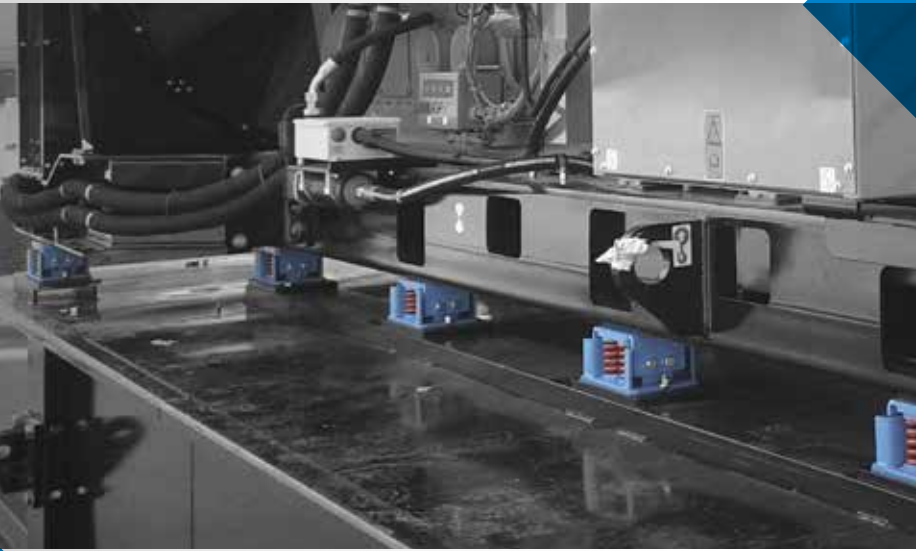




# Vibrabsorber + by getzner **sylomer**<sup>®</sup> General Catalogue



## 45 YEARS OF EXPERIENCE ENDORSE US

Since 1969 **AMC MECANOCAUCHO®**, has pioneered the manufacture and design of products for the attenuation of vibrations and noise.

**Factory 1** in Asteasu.



**Factory 2** in Asteasu.



1969



1995



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## AREAS OF APPLICATION

Our products are used in sectors such as:

- Generation of electrical energy.
- Air compressors and Blowers.
- Pumps and Pumping equipment.
- Industrial vehicles.
- Machine Tools.
- Marine propulsion and auxiliary equipment.
- Agricultural and construction equipment machinery.
- Acoustic isolation of premises.



*Compressor insulated with VIBRABSORBER +Sylomer®*



*Ventilation system insulated with VIBRABSORBER®*



Generator set insulated with VIBRABSORBER+Sylomer®



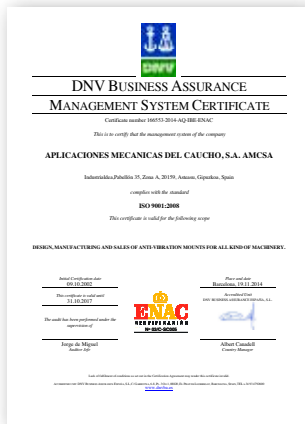
Ventilation system insulated with VIBRABSORBER

# QUALITY COMMITMENT

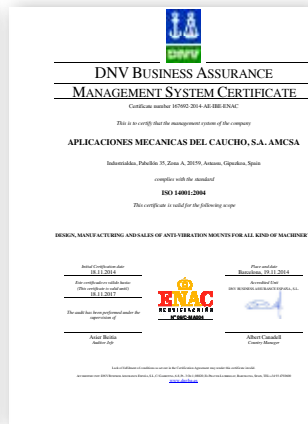
The products commercialised by AMC-MECANOCAUCHO<sup>®</sup> are all made in-house.

The stiffness and levels of mechanical fixations of all these products have been controlled so that they may be identified as "AMC MECANOCAUCHO<sup>®</sup>" products, whereby they can be traced. AMC MECANOCAUCHO<sup>®</sup> is officially approved by the NATO under the ID no. NCAGE 0230 B-compliant supplier.

ISO 9001:2014



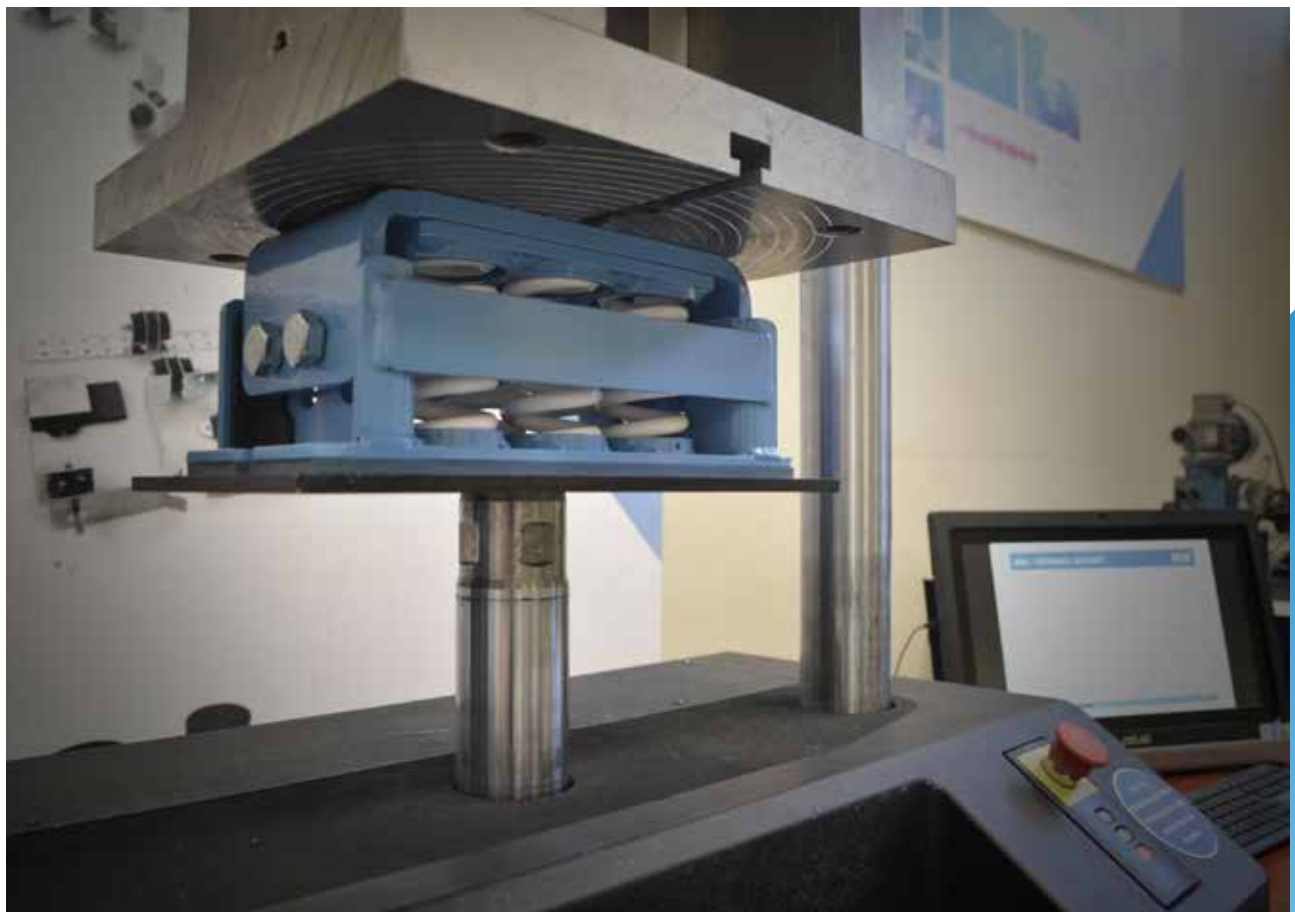
ISO 14001: 2014



Marine type approval



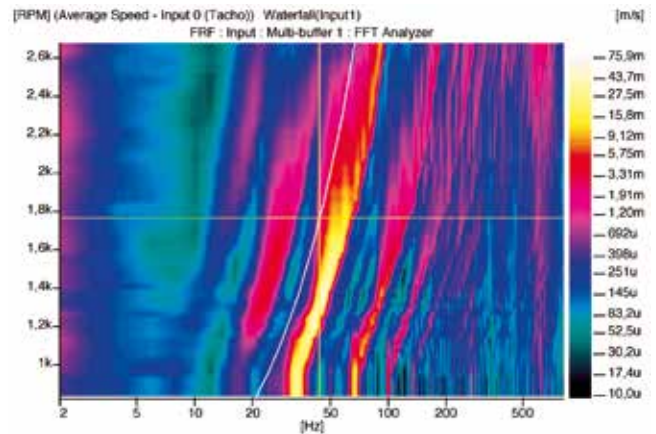
NATO certificate



## THE SOLUTION

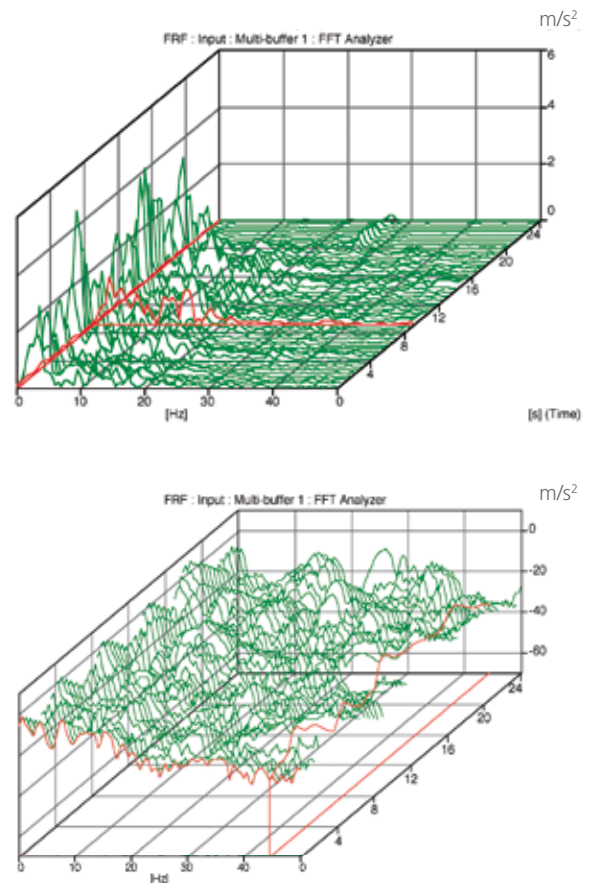
All machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts.

This vibration produced by a machine leads to different problems, such as a reduction in the machine's useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission.



FFT analysis of orders for a diesel engine

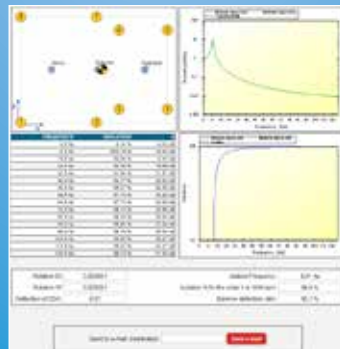
For over 45 years, AMC MECANOCAUCHO® has been developing the AMC MECANOCAUCHO® range of rubber-metal anti-vibration supports which can solve problems like the ones described above in all types of machinery, mobile or fixed. Thus protecting people and the environment from harmful effects of noise and vibration.



3D graphics of the vertical acceleration of a radiator

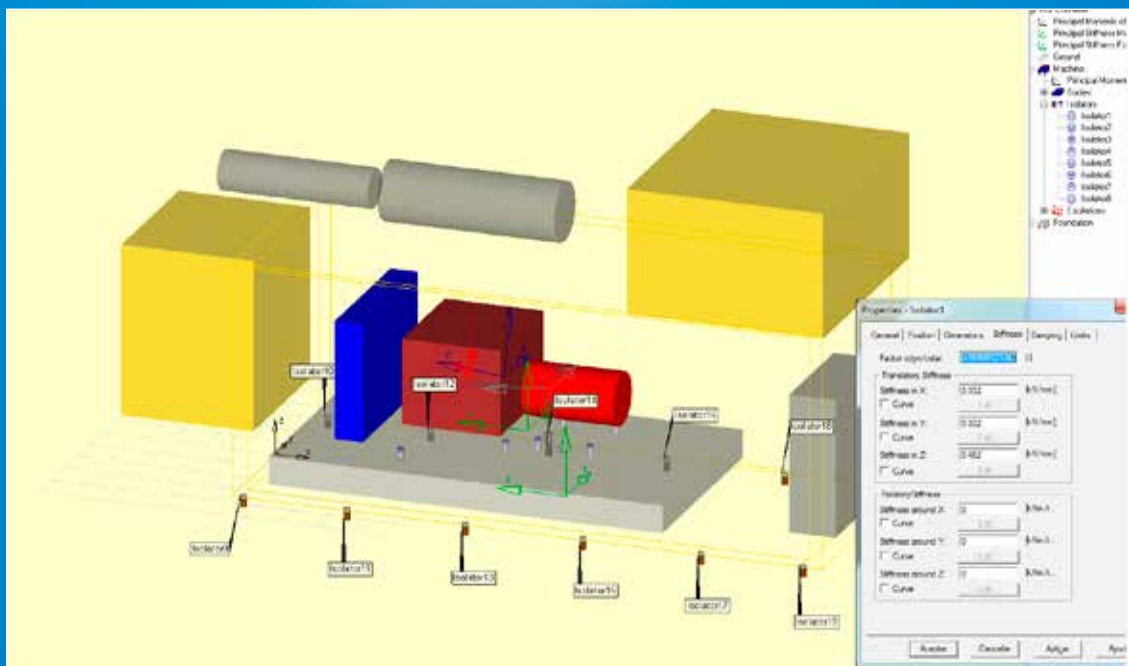
# AMC ENGINEERING

## 1. Calculation



AMC MECANOCAUCHO® calculates anti-vibration solutions by taking into account data such as weight, mount positions, type of machine, C. of G., frequency of excitation, etc...

*One degree of freedom calculation*



*Anti-vibration calculation with more than one degree of freedom.*



## 2. Design

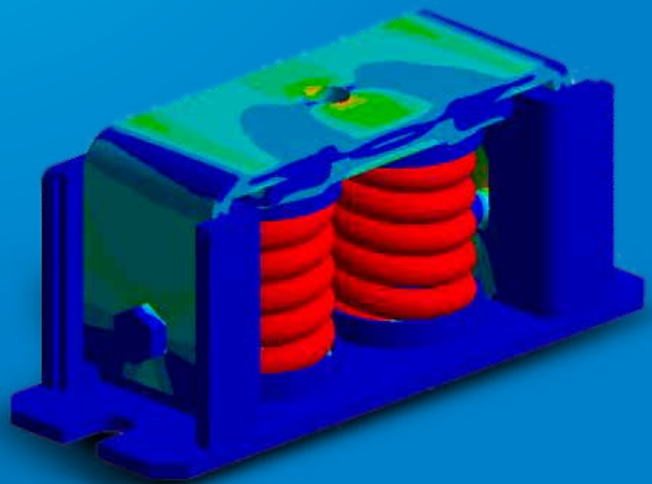


After studying each client's specific needs for the application and the isolation performance required, **AMC MECANOCAUCHO®** can design new products where conditions permit.

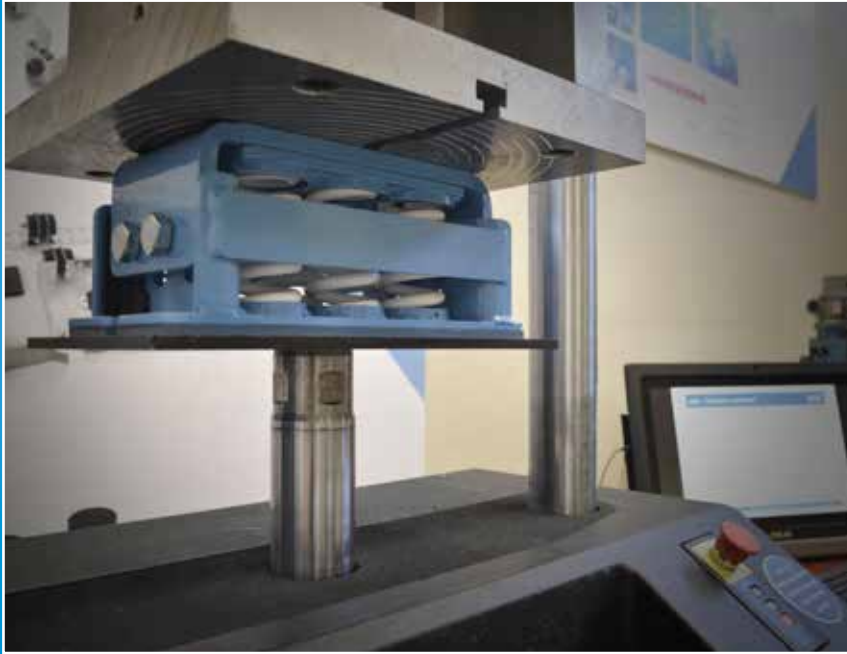
*Tension tests by non linear FEM.*



*3D modelling of products*



### 3. Test and dynamic characterisation



**AMC MECANOCAUCHO®** continuous development of new products demonstrates its support in R&D. Our laboratory is equipped with the most advanced dynamic testing equipment.

### 4. Vibration Measurement

*Vibration Measurement*



**AMC MECANOCAUCHO®** provides its clients with many years of experience and know how in measuring vibrations and noise in the field so as to reduce machine-produced emissions of noise and vibrations.



# THEORY OF VIBRATION ISOLATION

## 1.- ABC AT A GLANCE

### MASS SPRING SYSTEM

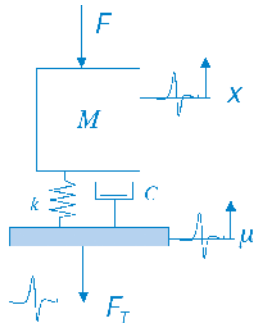
A mass spring system may be represented by a mass "M", excited by a force "F" and supported on an elastic stiffness element "K" with a dampening factor "C".

The frequency of the mass spring system is equal to:

$$f_o = \frac{1}{2 \cdot \pi} \sqrt{\frac{k}{M}}$$

figure 3

K = N/m  
M = in Kg  
Fo in Hz  
C in Ns/m



The effectiveness of the suspension may be measured by transmissibility, i.e. by the force which is transmitted by the machine to the ground or floor. It is defined as the ratio between the force transmitted to the ground, FOT, and the original force produced by the vibration FO.

Another practical term is often used to describe the efficacy of an anti-vibration mount, namely the degree of insulation, which is:

Transmissibility equation:  $E = (1 - T) \times 100\%$

Taking the following parameters into account:

Excitation  $x = x_o \sin(\omega t + \vartheta)$   
 $F = F_{T0} \sin(\omega t + \vartheta)$

Response  $\mu = \mu_o \sin \omega t$   
 $F = F_o \sin \omega t$

Own Pulsation:  $\omega_o = \sqrt{\frac{k}{M}}$  for  $C \equiv 0$

and natural frequency of  $f_o = \frac{1}{2 \cdot \pi} \sqrt{\frac{k}{M}}$

The damping parameters are:  $C_c = 2 \cdot \sqrt{kM}$

Where Cc is the critical damping and  $\xi = \frac{C}{C_c}$  the damping coefficient.

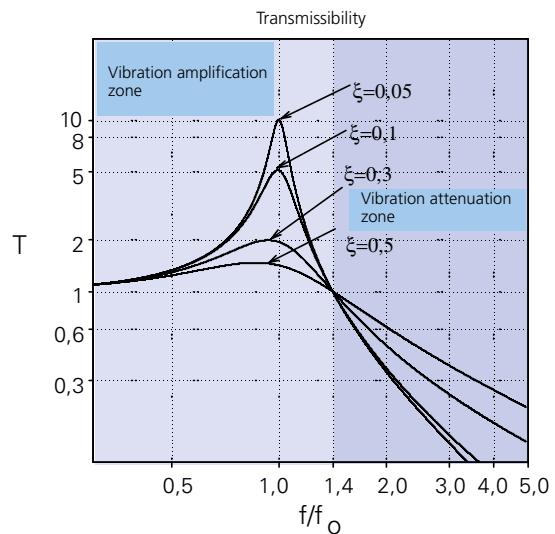
For this system we obtain a transmissibility T and a magnification factor A:

$$T = \frac{x_o}{\mu_o} = \frac{F_{T0}}{F_o} = \frac{\sqrt{1 + \left(2 \cdot \xi \cdot \frac{\omega}{\omega_o}\right)^2}}{\sqrt{\left(1 - \frac{\omega^2}{\omega_o^2}\right)^2 + \left(2 \cdot \xi \cdot \frac{\omega}{\omega_o}\right)^2}}$$

For the case of active  $T = \frac{F_{T0}}{F_o}$  and

passive isolations, we will have to  $T = \frac{x_o}{\mu_o}$

Figure 5 represents the transmissibility curve of the schematic mass spring system of figure 3.



Examining this curve allows us to reach basic conclusions for an effective isolation.

If the frequency of excitation is  $\sqrt{2}$  times less the natural frequency, transmissibility is greater than one, then the force transmitted is greater than the excitation force, there is magnification of the vibrations. When we work in this area, the existing damping in the system is important. The greater the latter, the smaller the magnification of the vibrations will be.

If the frequency of excitation is  $\sqrt{2}$  times greater than the natural frequency, transmissibility is less than one, or in other words the force transmitted is less than the force originated in the system, then we are in the damping area.

In order to achieve the greatest isolation, the lowest possible natural frequencies should be sought. There are two ways of doing this:

- By increasing the system mass.
- By reducing the stiffness of the anti-vibration mount.

To increase the efficacy of the isolation in the damping area, it is advisable to have low damping, although weak damping generates greater displacement when passing through the resonance, it is advisable to use a damping coefficient  $t$  so that passage through the resonance does not give rise to inadmissible displacement for the machine.

### STATIC AND DYNAMIC STIFFNESS

All elastomers suffer dynamic stiffening but metallic springs have a very low dynamic stiffening due to the low internal friction of the metals. Therefore we can consider that the springs have identical static and dynamic stiffness.

### DAMPING

The metallic springs have very low damping. As we have mentioned previously, the metal spring coils, do not show any internal friction and therefore there is no energy dissipation through this phenomenon.

Dynamic laboratory tests have shown in practice that the damping for this kind of mounts is almost null and this is the reason why these mounts have been combined with viscous dampers for applications where more damping is demanded. For example genset suspensions.

### CREEPING AND LONG-TERM BEHAVIOUR

The spring mounts do not have the creeping and continuous increase of deflection all elastomers have, but spring coils have also certain relaxation that depend on the applied load and the temperature. The higher the load and temperature are, the higher is the relaxation. Temperatures above 80°C and high loads, may cause a small loss of height in the spring. This set is always lower than the usual values of elastomers.



# THEORY OF VIBRATION ISOLATION

## 1.- DYNAMIC TESTING MACHINE

Dynamic stiffness can only be established by measurement on a dynamic test bench. Similarly, the damping coefficients of compounds are further values that can be measured with this type of machines.

One concept that must be taken into account when designing an anti-vibration mount is its durability. A dynamic testing machine allows us to conduct fatigue tests that reproduce the real working conditions of the part so that its useful life can thus be predicted accurately.

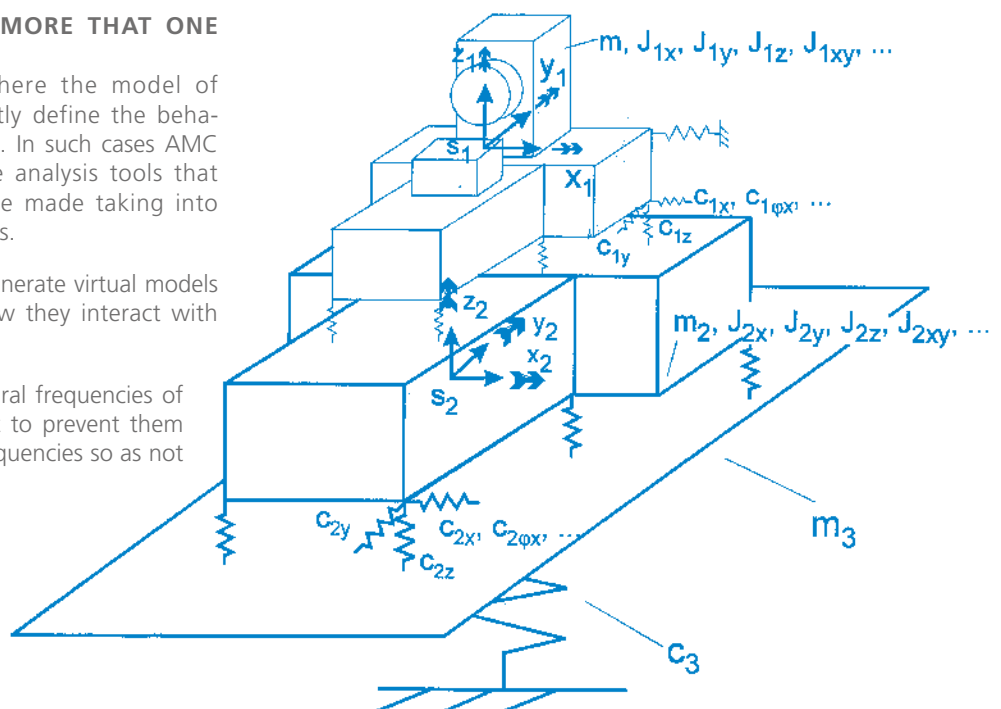


## 2.- ANALYSIS OF SYSTEMS OF MORE THAT ONE DEGREE OF FREEDOM

In actual fact, there are cases where the model of 1 degree of freedom cannot correctly define the behaviour of the equipment to be isolated. In such cases AMC MECANOCAUCHO® engineers have analysis tools that enable more elaborate models to be made taking into account the 6 Degrees of Freedom rules.

The latest computing tools can also generate virtual models of solid rigid multiples and study how they interact with each other and with the environment.

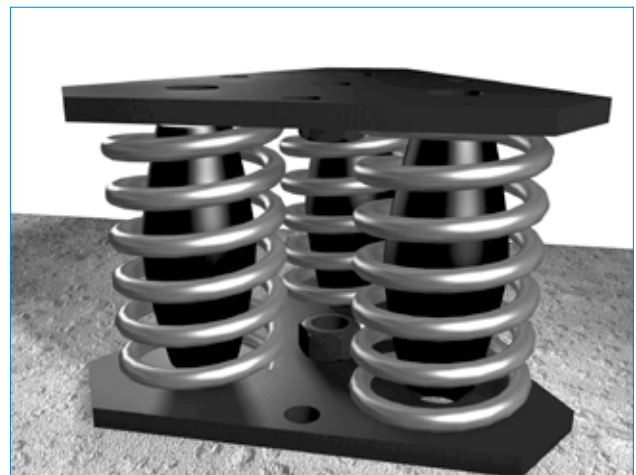
As a result, we can ascertain the natural frequencies of the system which are really important to prevent them from coinciding with the excitation frequencies so as not to have resonance problems.



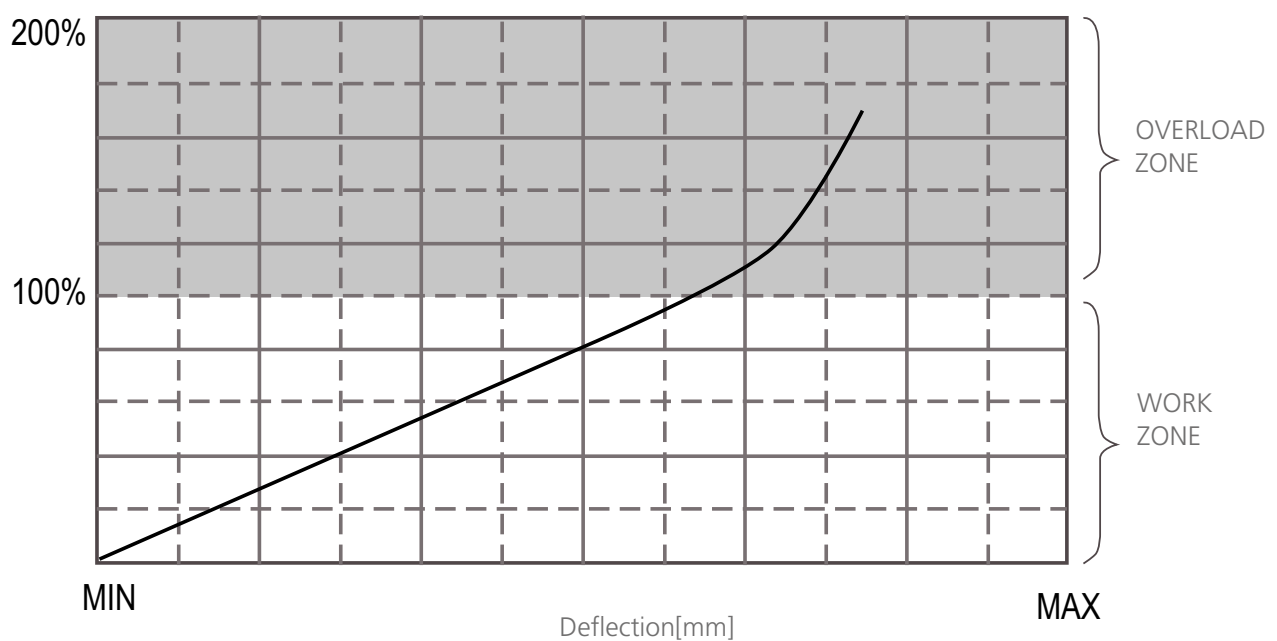
# VIBRABSORBER MOUNT CHARACTERISTICS

## FUNCTION OF INVERTED DOUBLE CONE INSIDE THE SPRING

The function of this element is to limit the compression of the spring in case of an unexpected overload, acting as an end-of-stroke buffer



Typical behaviour in compression



# THE ADVANTAGES OF THE Vibrabsorber + sylomer<sup>®</sup> by getzner

- The SYLOMER<sup>®</sup> mat that these dampers incorporate, isolates the mid-high frequency vibrations which are transmitted through the coils of metal springs.
- These high and mid-range frequencies, if they are not isolated, are spread throughout the buildings or structures, generating noise.

With the aim to confirm the advantages of applying Sylomer<sup>®</sup> on our spring system, an analysis of FFT was carried out on fan system of a known international make.

## OBJECTIVE OF THE TEST

The objective of this test is to compare the isolation which the Vibrasorber springs offer with or without Sylomer<sup>®</sup>.

## MEASURES USED

- **Reference of the Machine:**  
Refrigerator set Power 20Kw
- **Supports set:** 1 AMC 250 + Sylomer<sup>®</sup> P12
- **Measuring equipment:** FFT Pulse, Bruel & Kjaer multi analyser. The spectrums shown in the graphics demonstrate that they are within a frequency range of 0-1000Hz and 1600 lines, represent the vibratory speed.

## TEST METHOD:

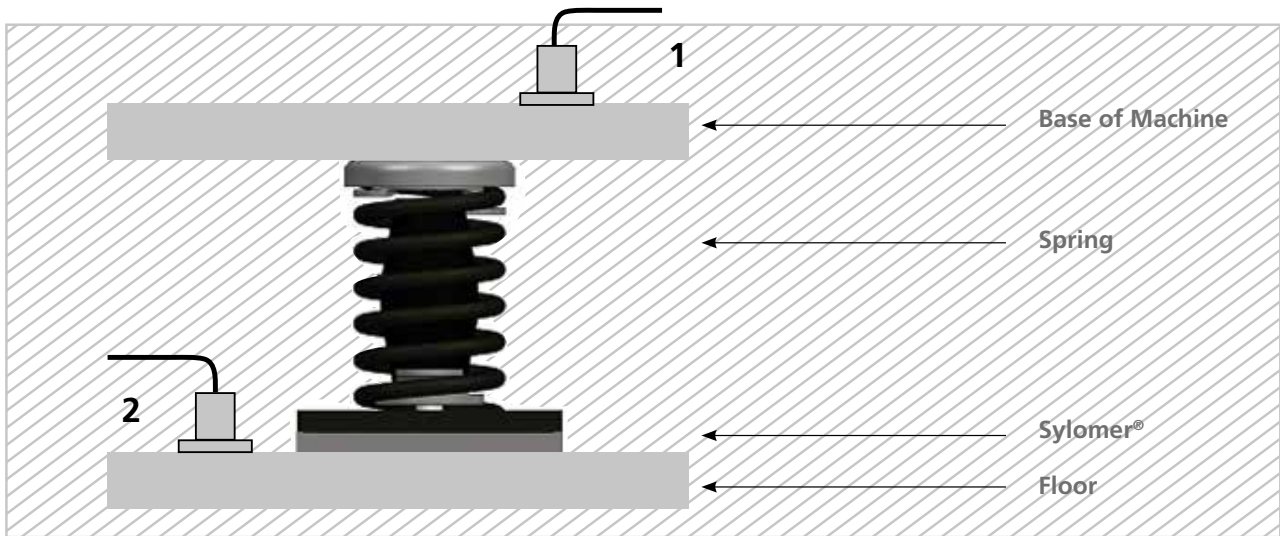
So as to know the isolation of the vibrations for each anti-vibratory phase, the sensors were placed in the following positions:

1. **Machine:** The objective is to know the nature of the vibrations of the machine, both their magnitude as well as frequency.
2. **Base of the support:** The objective is to know the vibratory isolation achieved by the spring.
3. **Floor:** The objective is to know the vibratory isolation achieved by Vibrasorber + Sylomer<sup>®</sup>.





## INSTALLATION OF THE VIBRATION MEASUREMENT OF A REFRIGERATOR SET



## VIBRATION MEASUREMENT OF A REFRIGERATOR SET



1AMC 250



1AMC 250 + Sylomer® P12

# VIBRATION MEASUREMENT

## RESULTS:

FFT Pulse, Bruel & Kjaer multi analyser. The spectrums shown in the graphics demonstrate that they are within a frequency range of 0-1000Hz and 1600 lines, represent the vibratory speed.

### 1. Results on the Machine POINT 1:

The maximum vibration rms velocity is situated at 25Hz followed by another of lower magnitude at around 50 Hz. High frequency vibrations are also observed which correspond to harmonics and structural frequency responses from the machine.

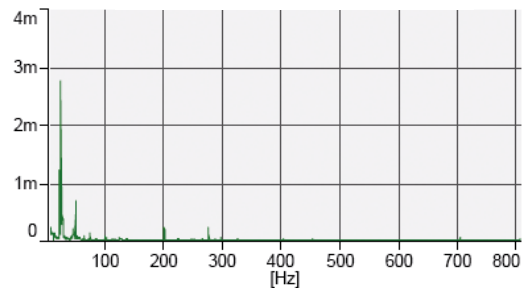
### 2. Results on the Machine POINT 2 without Sylomer®:

In this graphic, a reduction can be observed in the predominant peaks. What is most noticeable is that frequencies above 200Hz are transmitted through the coils of the spring. These frequencies from 100 to 500 Hz are considered "audible" frequencies, meaning noise.

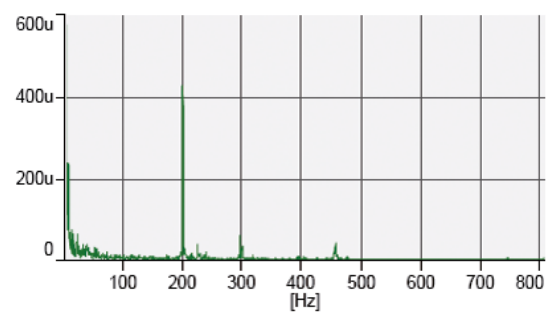
### 3. Results on the Machine POINT 2 with Sylomer®:

In this graphic, a reduction can be observed in all the peaks. The transmission of "noise" through the coils of the spring is reduced.

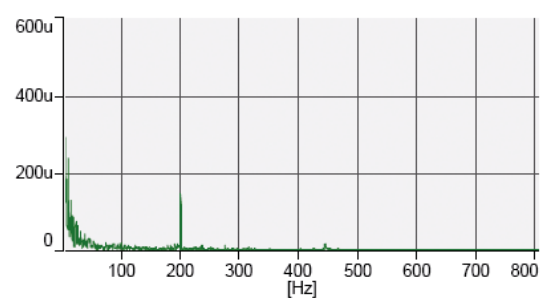
1. [m/s] Autospectrum (Motor velocity) – Point 1 and Working: Point 6z: Input: FFT Analyzer



2. [m/s] Autospectrum (Chassis velocity) – Point 1 and Working: Point 6z: Input: FFT Analyzer



3. [m/s] Autospectrum (Chassis velocity) – Point 1 and Working: Point 6z: Input: FFT Analyzer



## CONCLUSION

The air conditioning machines generate vibrations in a wide frequency spectrum. It is important that the anti-vibration supports are capable of isolating the low medium or high frequencies to the maximum. The Spring of the Vibrabsorbers is very effective for the low frequencies while Sylomer® is especially interesting to reduce medium and high vibration frequencies that are very relevant for the emission of structural noise.

# Vibrabsorber by getzner + sylomer®

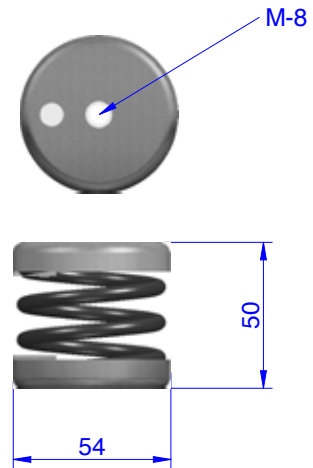
## Vibrabsorber by getzner + sylomer®



## B Series

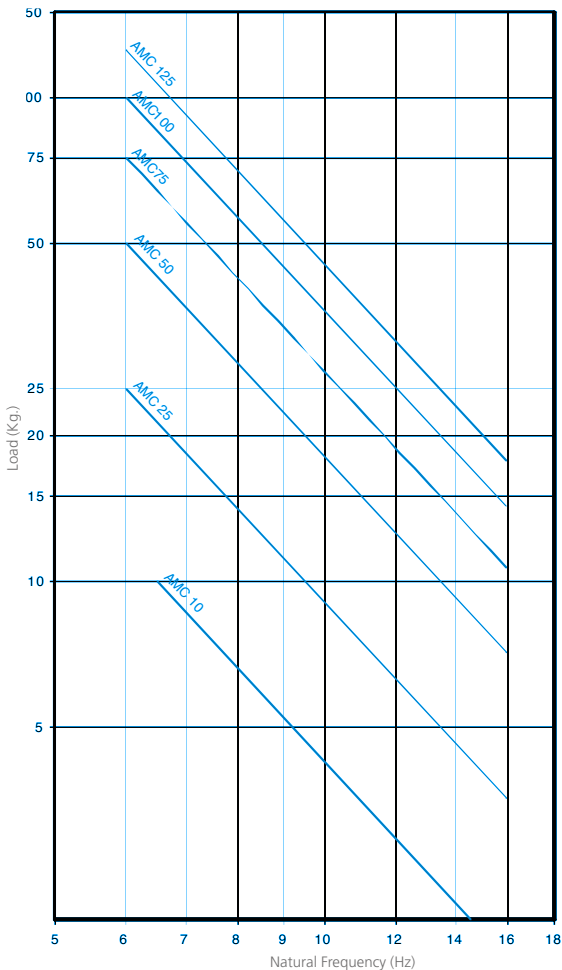
Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts.

This vibration produced by a machine leads to different problems, such as a reduction in the machine's useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

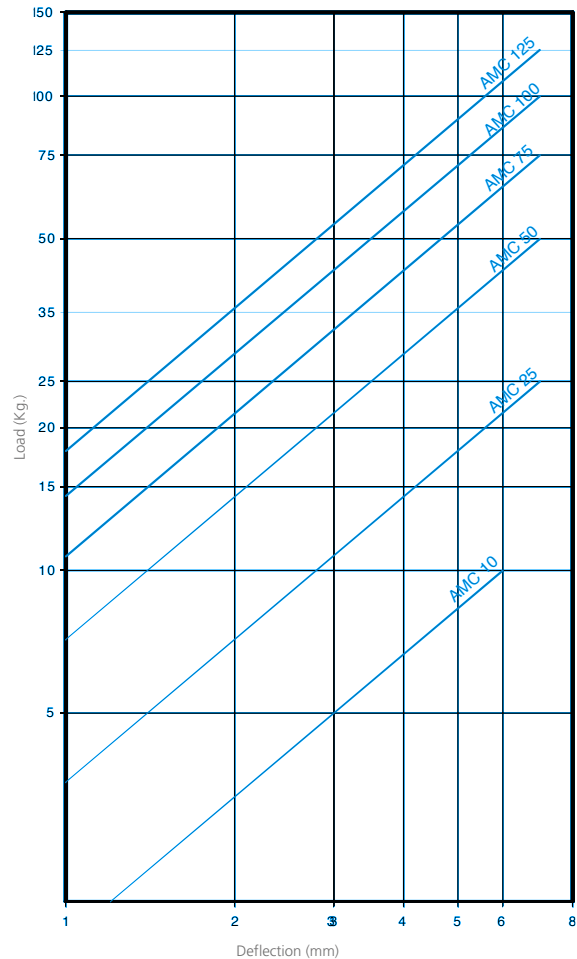


| Type      | M   | Code  |
|-----------|-----|-------|
| AMC 10-B  | M-8 | 20171 |
| AMC 25-B  | M-8 | 20173 |
| AMC 50-B  | M-8 | 20175 |
| AMC 75-B  | M-8 | 20177 |
| AMC 100-B | M-8 | 20179 |

DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® B SERIES



LOAD VS DEFLECTION DIAGRAM  
AMC -MECANOCAUCHO® B SERIES

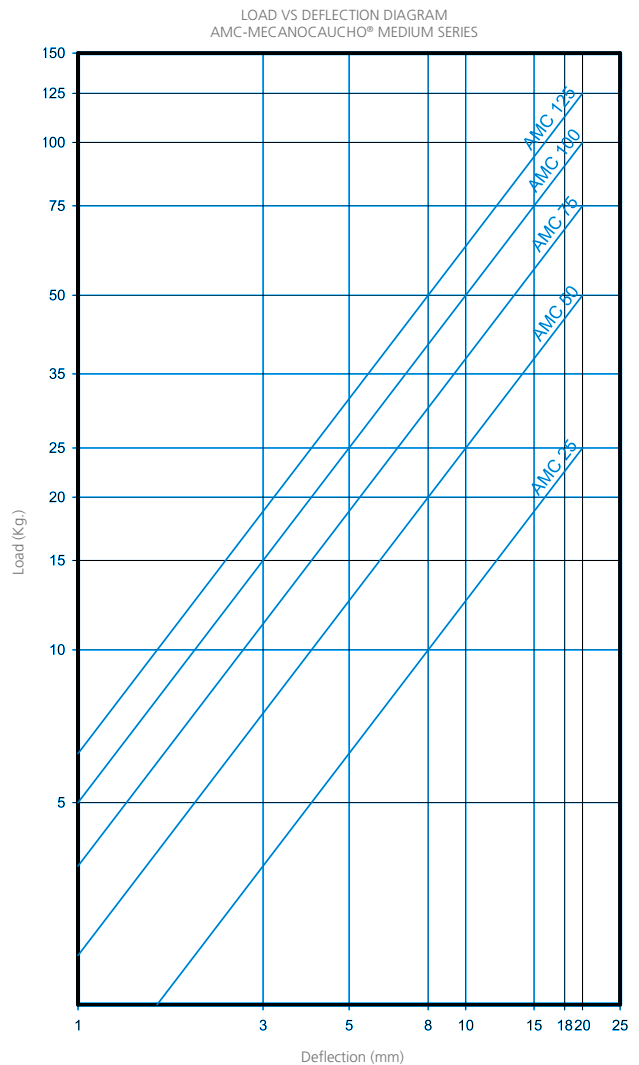
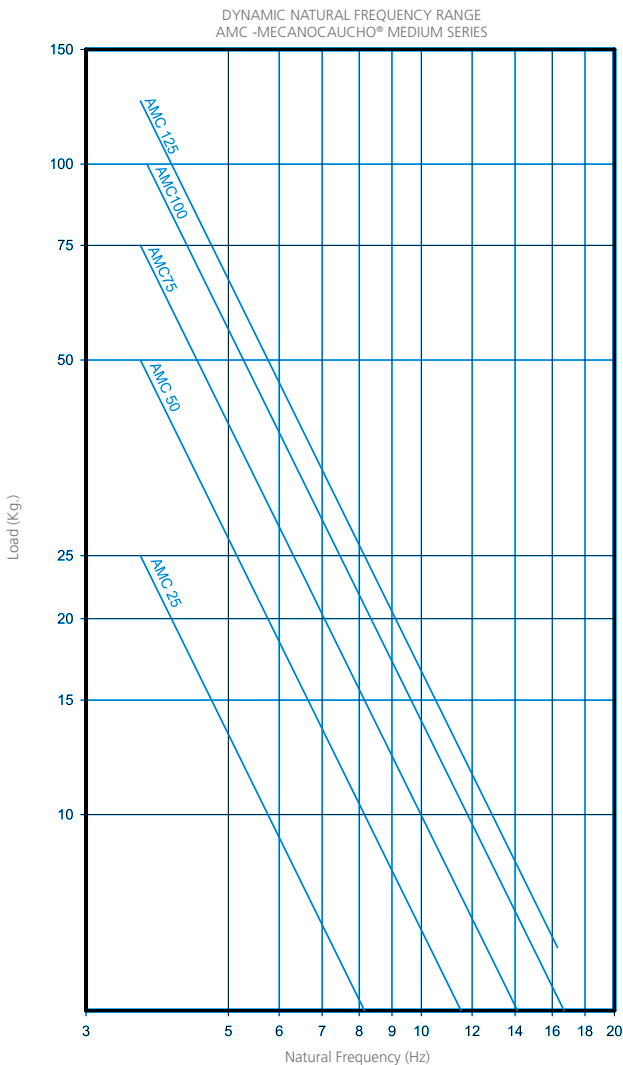
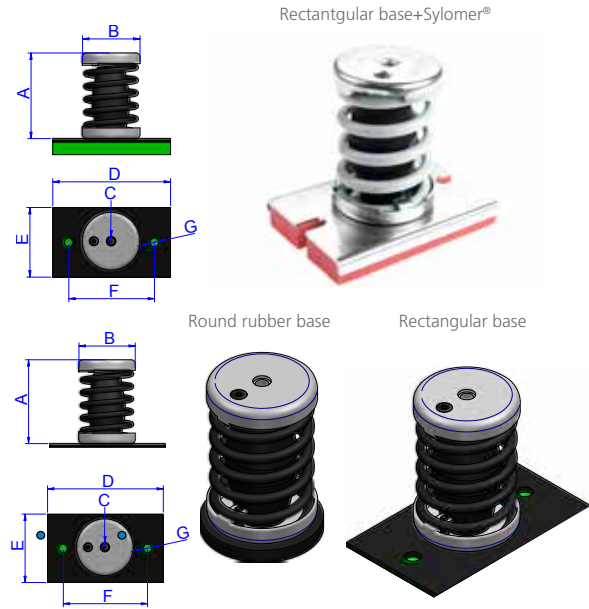


# Medium Series

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

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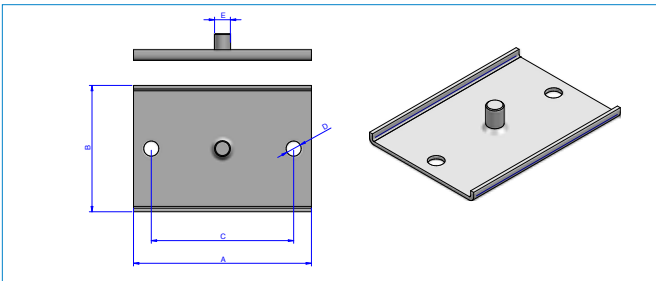
| Type                      | A (mm.) | B (mm.) | Spring colour | C (mm.) | D (mm.) | E (mm.) | F (mm.) | Code  |
|---------------------------|---------|---------|---------------|---------|---------|---------|---------|-------|
| AMC 25                    | 80      | 54      | BLACK         | M-8     | 0       | 0       | 0       | 20101 |
| AMC 50                    | 80      | 54      | BLUE          | M-8     | 0       | 0       | 0       | 20103 |
| AMC 75                    | 80      | 54      | GREY          | M-8     | 0       | 0       | 0       | 20105 |
| vAMC 100                  | 80      | 54      | BEIGE         | M-8     | 0       | 0       | 0       | 20107 |
| AMC 125                   | 80      | 54      | WHITE         | M-8     | 0       | 0       | 0       | 20300 |
| Round rubber base         | 7       | 64      | -             | M-8     | 0       | 0       | 0       | 20109 |
| Rectangular base          | 5       | -       | -             | M-8     | 110     | 64,5    | 80      | 20110 |
| Rectangular base+Sylomer® | 15      | -       | -             | M-8     | 110     | 65      | 80      | 20106 |



## Bases

Using the medium series spring mounts together with these bases you can create your own spring mount sets yourself. Especially interesting for stockists that wish to keep low number of references in stock

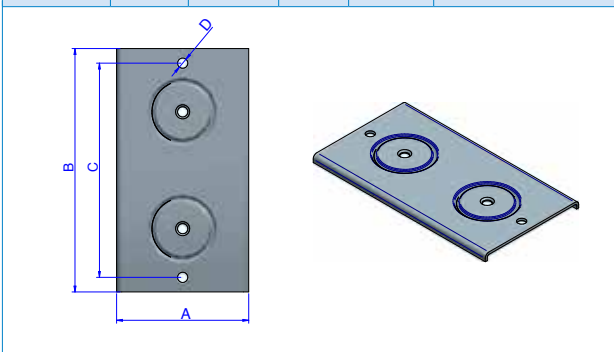
1AMC



| Type  | A (mm.) | B (mm.) | C (mm.) | D (mm.) | E (mm.) | Code          |
|-------|---------|---------|---------|---------|---------|---------------|
| Small | 100     | 71      | 80      | 8,5     | M-8     | <b>612034</b> |
| Big   | 140     | 100     | 120     | 12      | M-12    | <b>612035</b> |

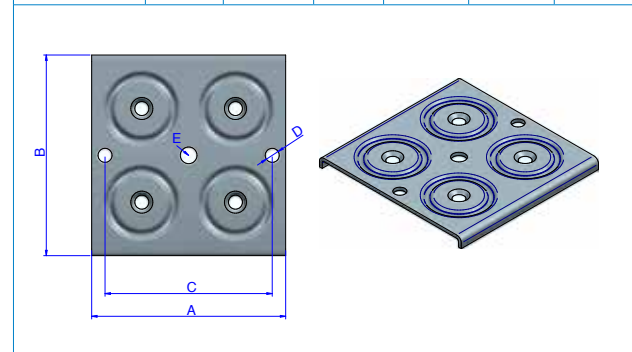
2AMC

| Type | A (mm.) | B (mm.) | C (mm.) | D (mm.) | Code          |
|------|---------|---------|---------|---------|---------------|
| Ø75  | 230     | 105     | 200     | 10,5    | <b>612029</b> |
| Ø90  | 260     | 125     | 230     | 10,5    | <b>612031</b> |



4AMC

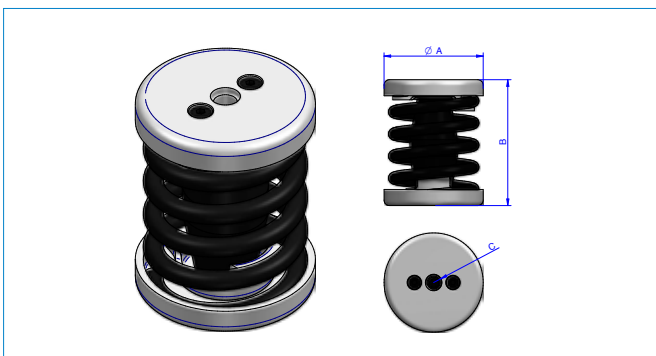
| Type                          | A (mm.) | B (mm.) | C (mm.) | D (mm.) | M    | Code          |
|-------------------------------|---------|---------|---------|---------|------|---------------|
| Ø75                           | 210     | 205     | 186     | 10,5    | M-16 | <b>612032</b> |
| Ø90                           | 250     | 230     | 230     | 10,5    | M-16 | <b>612033</b> |
| M12x25 Screw<br>DIN7991 Allen |         |         |         |         |      | <b>611278</b> |



## 1 AMC Dual cup

With dual cup springs you can do yourself the installation of the springs.

Vibrabsorber



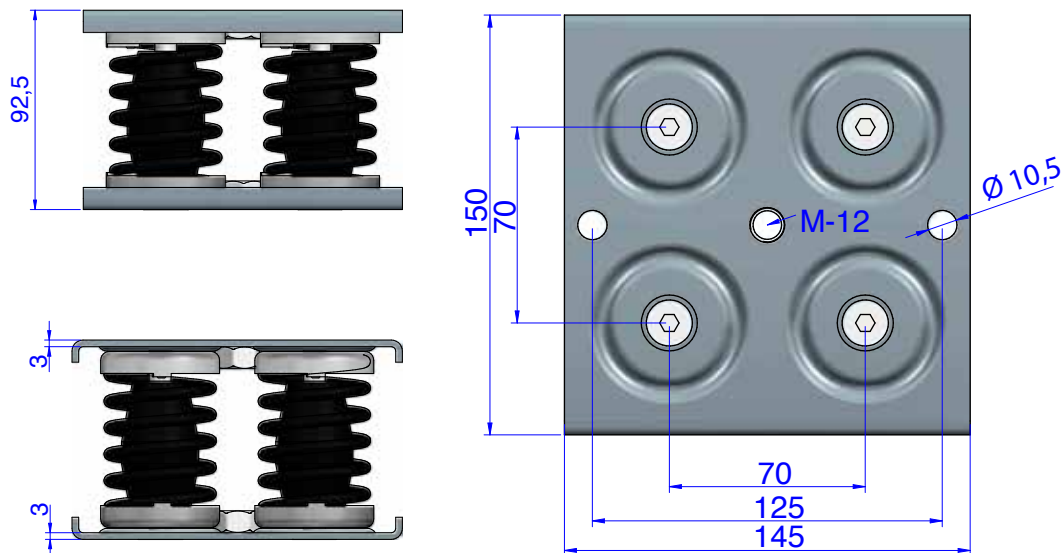
| Type | A (mm.) | B (mm.) | C (mm.) | Code         |
|------|---------|---------|---------|--------------|
| 150  | 75      | 116     | M-12    | <b>20309</b> |
| 200  | 75      | 116     | M-12    | <b>20310</b> |
| 250  | 75      | 116     | M-12    | <b>20320</b> |
| 350  | 75      | 116     | M-12    | <b>20330</b> |
| 500  | 90      | 116     | M-12    | <b>20340</b> |
| 750  | 90      | 116     | M-12    | <b>20350</b> |

## 4 AMC T

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

| Type      | LOAD Kg. MIN | LOAD Kg. MAX | Code  |
|-----------|--------------|--------------|-------|
| 4 AMC T-1 | 40           | 100          | 20011 |
| 4 AMC T-2 | 100          | 200          | 20012 |
| 4 AMC T-3 | 200          | 300          | 20013 |
| 4 AMC T-4 | 300          | 400          | 20014 |
| 4 AMC T-5 | 400          | 500          | 20015 |



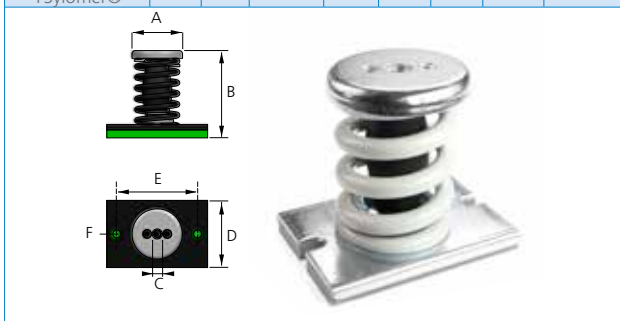
# 1 AMC

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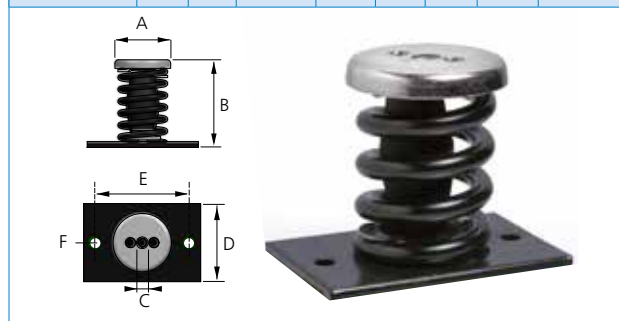
## Vibrabsorber + by getzner **sylomer**

| Type                | A (mm.) | B (mm.) | Spring colour | C (mm.) | D (mm.) | E (mm.) | F (mm.) | Code  |
|---------------------|---------|---------|---------------|---------|---------|---------|---------|-------|
| 1 AMC 150 +Sylomer® | 75      | 132     | BLUE          | M-12    | 75      | 87      | 10      | 20371 |
| 1 AMC 200 +Sylomer® | 75      | 132     | WHITE         | M-12    | 75      | 87      | 10      | 20372 |
| 1 AMC 250 +Sylomer® | 75      | 132     | BLACK         | M-12    | 75      | 87      | 10      | 20373 |
| 1 AMC 350 +Sylomer® | 75      | 132     | CREAM         | M-12    | 75      | 87      | 10      | 20374 |
| 1 AMC 500 +Sylomer® | 90      | 132     | LIGHT GREY    | M-14    | 100     | 120     | 12      | 20375 |
| 1 AMC 750 +Sylomer® | 90      | 132     | GREEN         | M-14    | 100     | 120     | 12      | 20376 |

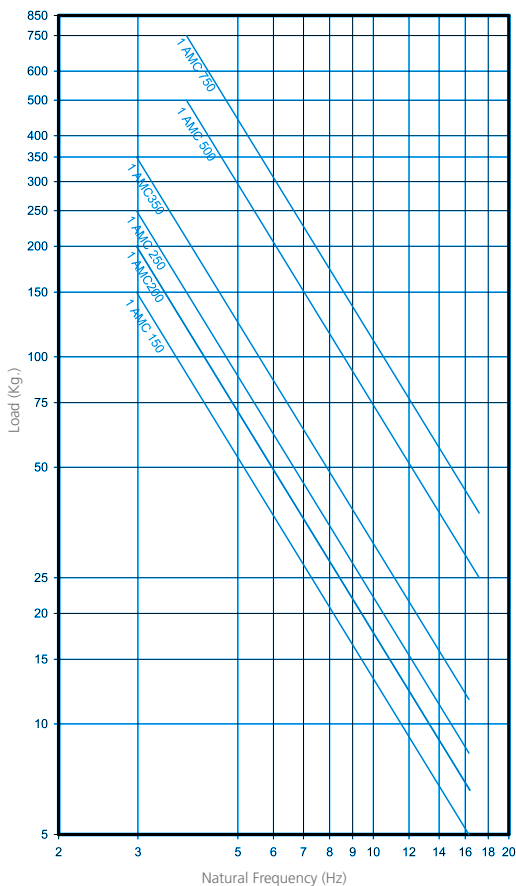


## Vibrabsorber

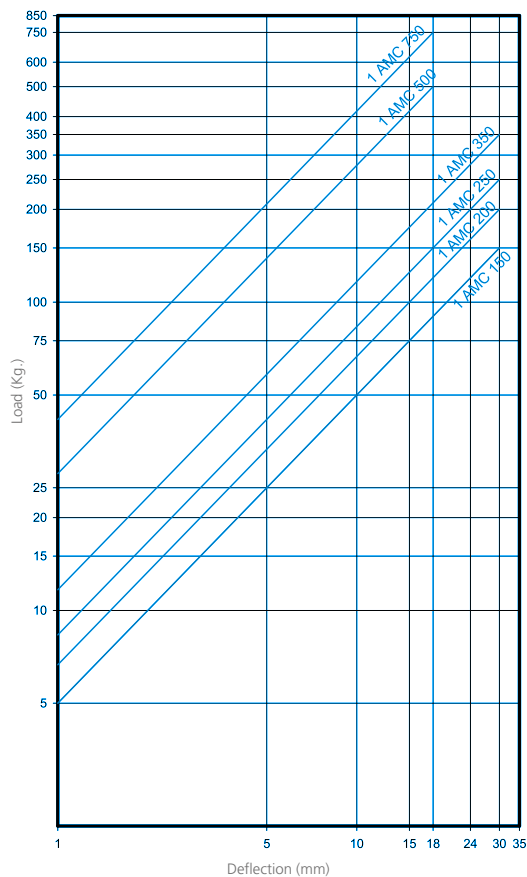
| Type      | A (mm.) | B (mm.) | Spring colour | C (mm.) | D (mm.) | E (mm.) | F (mm.) | Code  |
|-----------|---------|---------|---------------|---------|---------|---------|---------|-------|
| 1 AMC 150 | 75      | 120     | BLUE          | M-12    | 75      | 87      | 10      | 20301 |
| 1 AMC 200 | 75      | 120     | WHITE         | M-12    | 75      | 87      | 10      | 20311 |
| 1 AMC 250 | 75      | 120     | BLACK         | M-12    | 75      | 87      | 10      | 20321 |
| 1 AMC 350 | 75      | 120     | CREAM         | M-12    | 75      | 87      | 10      | 20331 |
| 1 AMC 500 | 90      | 120     | LIGHT GREY    | M-14    | 100     | 120     | 12      | 20341 |
| 1 AMC 750 | 90      | 120     | GREEN         | M-14    | 100     | 120     | 12      | 20351 |



DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® 1 AMC



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 1 AMC





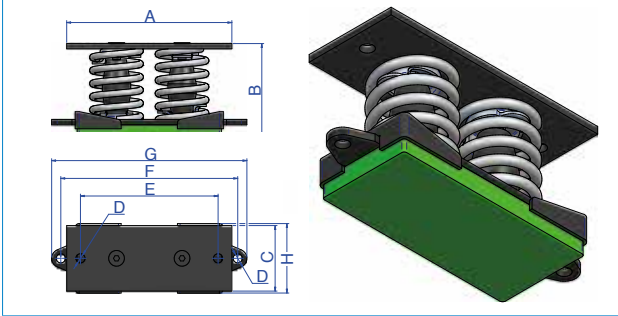
## 2 AMC

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

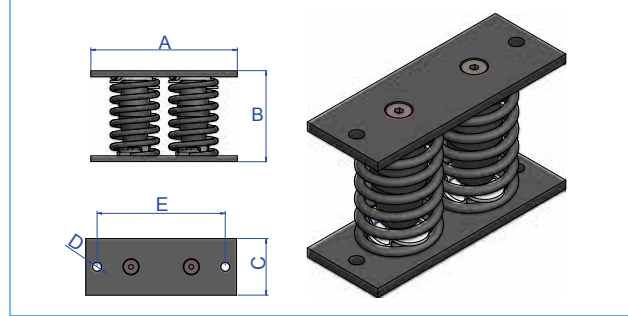
### Vibrabsorber + **Sylomer<sup>®</sup>**

| Type                             | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | Code  |
|----------------------------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|-------|
| 2 AMC 300 +Sylomer <sup>®</sup>  | 200     | 136     | BLUE         | 75      | 12      | 170     | 220     | 244     | 81      | 20471 |
| 2 AMC 400 +Sylomer <sup>®</sup>  | 200     | 136     | WHITE        | 75      | 12      | 170     | 220     | 244     | 81      | 20472 |
| 2 AMC 500 +Sylomer <sup>®</sup>  | 200     | 136     | BLACK        | 75      | 12      | 170     | 220     | 244     | 81      | 20473 |
| 2 AMC 700 +Sylomer <sup>®</sup>  | 200     | 136     | CREAM        | 75      | 12      | 170     | 220     | 244     | 81      | 20474 |
| 2 AMC 1000 +Sylomer <sup>®</sup> | 250     | 136     | LIGHT GREY   | 100     | 14      | 210     | 270     | 298     | 106     | 20475 |
| 2 AMC 1500 +Sylomer <sup>®</sup> | 250     | 136     | GREEN        | 100     | 14      | 210     | 270     | 298     | 106     | 20476 |

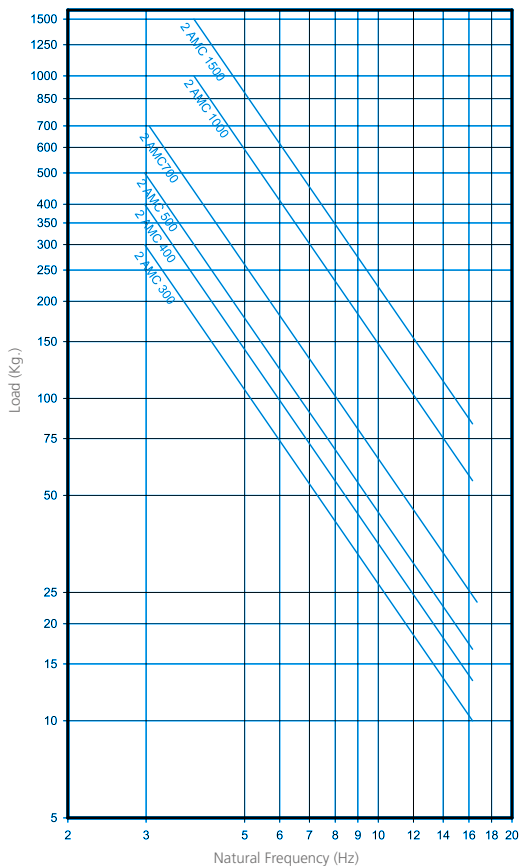


### Vibrabsorber

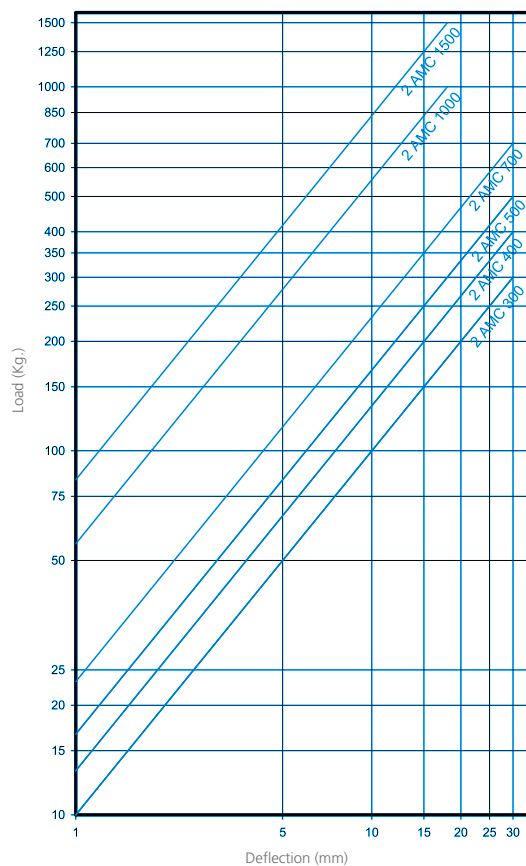
| Type        | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | Code  |
|-------------|---------|---------|--------------|---------|---------|---------|-------|
| 2 AMC 300   | 200     | 124     | BLUE         | 75      | 12      | 170     | 20401 |
| 2 AMC 400   | 200     | 124     | WHITE        | 75      | 12      | 170     | 20411 |
| 2 AMC 500   | 200     | 124     | BLACK        | 75      | 12      | 170     | 20421 |
| 2 AMC 700   | 200     | 124     | CREAM        | 75      | 12      | 170     | 20431 |
| 2 AMC 1.000 | 250     | 124     | LIGHT GREY   | 100     | 14      | 210     | 20441 |
| 2 AMC 1.500 | 250     | 124     | GREEN        | 100     | 14      | 210     | 20451 |



DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO<sup>®</sup> 2 AMC



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO<sup>®</sup> 2 AMC



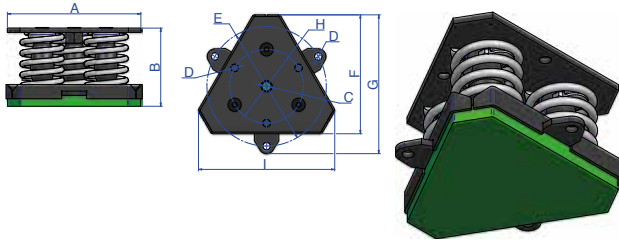
### 3 AMC

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

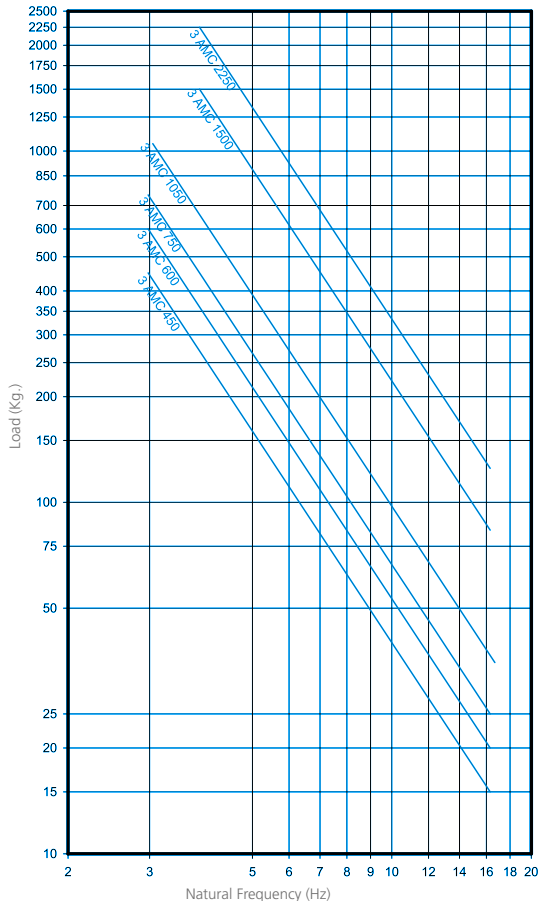
useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

#### Vibrabsorber + by getzner **sylomer**

| Type                 | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Code         |
|----------------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|--------------|
| 3 AMC 450 +Sylomer®  | 196,3   | 136     | BLUE         | M-16    | 12      | 180     | 176     | 207,7   | 110     | 201,4   | <b>20571</b> |
| 3 AMC 600 +Sylomer®  | 196,3   | 136     | WHITE        | M-16    | 12      | 180     | 176     | 207,7   | 110     | 201,4   | <b>20572</b> |
| 3 AMC 750 +Sylomer®  | 196,3   | 136     | BLACK        | M-16    | 12      | 180     | 176     | 207,7   | 110     | 201,4   | <b>20573</b> |
| 3 AMC 1050 +Sylomer® | 196,3   | 136     | CREAM        | M-16    | 12      | 180     | 176     | 207,7   | 110     | 201,4   | <b>20574</b> |
| 3 AMC 1500 +Sylomer® | 246     | 136     | LIGHT GREY   | M-20    | 14      | 220     | 219     | 255,7   | 136     | 251     | <b>20575</b> |
| 3 AMC 2250 +Sylomer® | 246     | 136     | GREEN        | M-20    | 14      | 220     | 219     | 255,7   | 136     | 251     | <b>20576</b> |

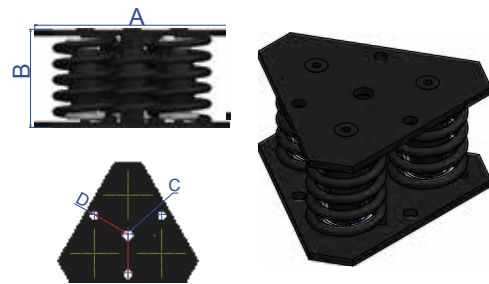


DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® 3 AMC

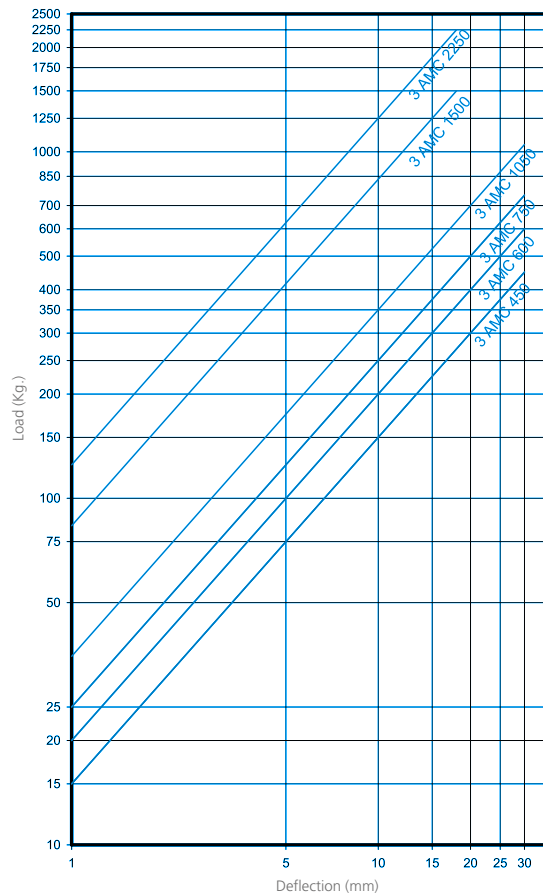


#### Vibrabsorber

| Type       | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | Code         |
|------------|---------|---------|--------------|---------|---------|--------------|
| 3 AMC 450  | 190     | 124     | BLUE         | M-16    | 12      | <b>20501</b> |
| 3 AMC 600  | 190     | 124     | WHITE        | M-16    | 12      | <b>20511</b> |
| 3 AMC 750  | 190     | 124     | BLACK        | M-16    | 12      | <b>20521</b> |
| 3 AMC 1050 | 190     | 124     | CREAM        | M-16    | 12      | <b>20531</b> |
| 3 AMC 1500 | 242     | 124     | LIGHT GREY   | M-20    | 14      | <b>20541</b> |
| 3 AMC 2250 | 242     | 124     | GREEN        | M-20    | 14      | <b>20551</b> |



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 3 AMC



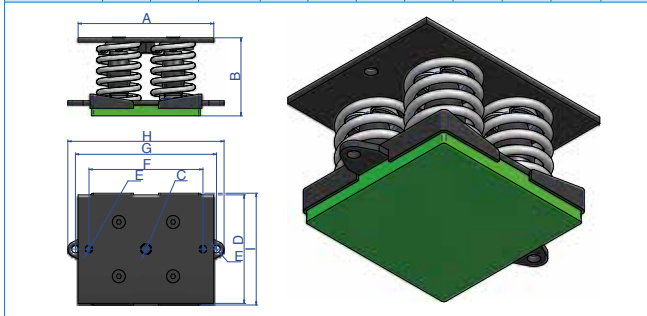
# 4 AMC

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

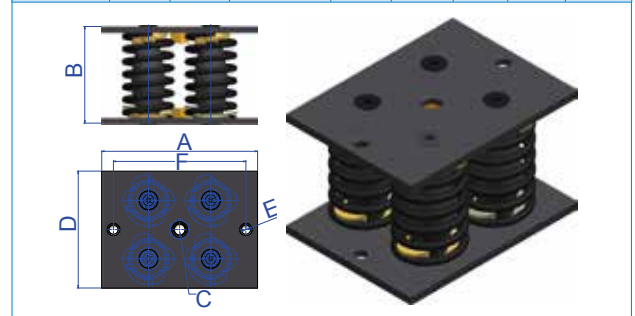
## Vibrabsorber + <sup>by getzner</sup>sylomer®

| Type                 | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Code  |
|----------------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|-------|
| 4 AMC 600 +Sylomer®  | 200     | 136     | BLUE         | M-16    | 150     | 12      | 170     | 190     | 214     | 156     | 20671 |
| 4 AMC 800 +Sylomer®  | 200     | 136     | WHITE        | M-16    | 150     | 12      | 170     | 190     | 214     | 156     | 20672 |
| 4 AMC 1000 +Sylomer® | 200     | 136     | BLACK        | M-16    | 150     | 12      | 170     | 190     | 214     | 156     | 20673 |
| 4 AMC 1400 +Sylomer® | 200     | 136     | CREAM        | M-16    | 150     | 12      | 170     | 190     | 214     | 156     | 20674 |
| 4 AMC 2000 +Sylomer® | 250     | 136     | LIGHT GREY   | M-20    | 200     | 14      | 210     | 260     | 288     | 206     | 20675 |
| 4 AMC 3000 +Sylomer® | 250     | 136     | GREEN        | M-20    | 200     | 14      | 210     | 260     | 288     | 206     | 20676 |

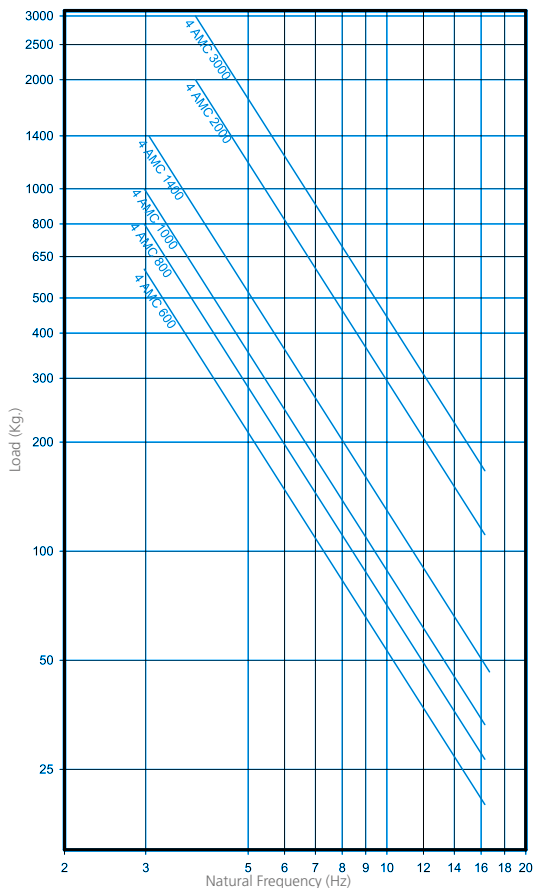


## Vibrabsorber

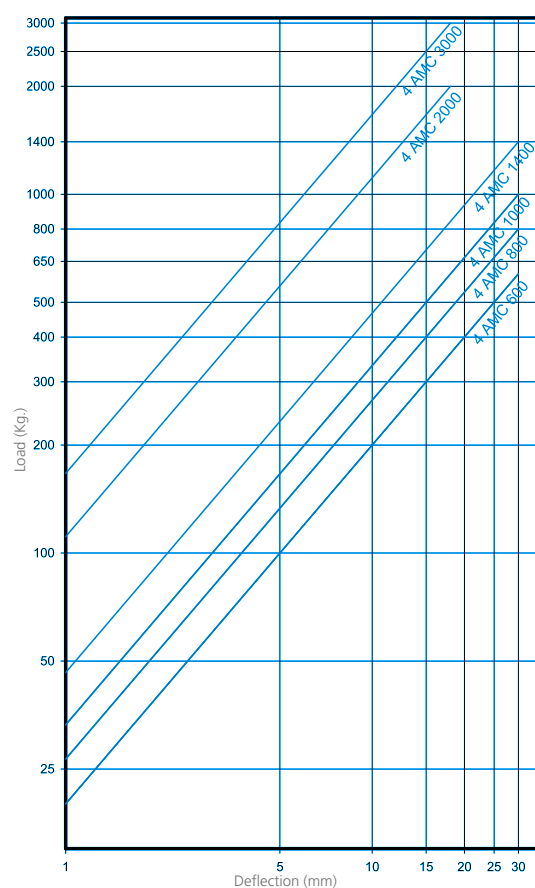
| Type       | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | Code  |
|------------|---------|---------|--------------|---------|---------|---------|---------|-------|
| 4 AMC 600  | 200     | 124     | BLUE         | M-16    | 150     | 12      | 170     | 20601 |
| 4 AMC 800  | 200     | 124     | WHITE        | M-16    | 150     | 12      | 170     | 20611 |
| 4 AMC 1000 | 200     | 124     | BLACK        | M-16    | 150     | 12      | 170     | 20621 |
| 4 AMC 1400 | 200     | 124     | CREAM        | M-16    | 150     | 12      | 170     | 20631 |
| 4 AMC 2000 | 250     | 124     | LIGHT GREY   | M-20    | 200     | 14      | 210     | 20641 |
| 4 AMC 3000 | 250     | 124     | GREEN        | M-20    | 200     | 14      | 210     | 20651 |



DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® 4 AMC



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 4 AMC



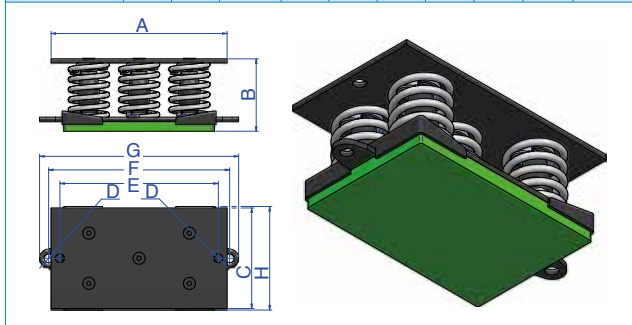
# 5 AMC

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

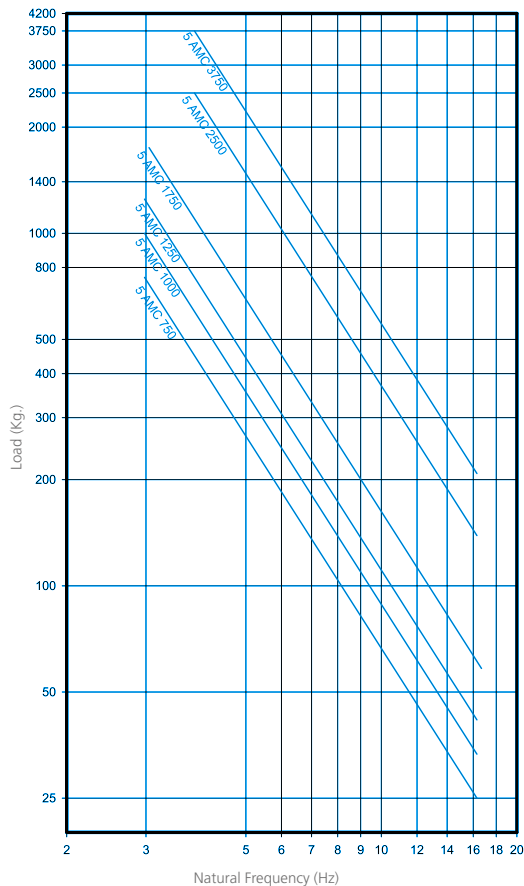
useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

## Vibrabsorber + by getzner **sylomer**

| Type                 | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | Code         |
|----------------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|--------------|
| 5 AMC 750 +Sylomer®  | 280     | 136     | BLUE         | 150     | 16      | 251     | 290     | 322     | 156     | <b>20771</b> |
| 5 AMC 1000 +Sylomer® | 280     | 136     | WHITE        | 150     | 16      | 251     | 290     | 322     | 156     | <b>20772</b> |
| 5 AMC 1250 +Sylomer® | 280     | 136     | BLACK        | 150     | 16      | 251     | 290     | 322     | 156     | <b>20773</b> |
| 5 AMC 1750 +Sylomer® | 280     | 136     | CREAM        | 150     | 16      | 251     | 290     | 322     | 156     | <b>20774</b> |
| 5 AMC 2500 +Sylomer® | 350     | 136     | LIGHT GREY   | 200     | 18      | 315     | 360     | 396     | 206     | <b>20775</b> |
| 5 AMC 3750 +Sylomer® | 350     | 136     | GREEN        | 200     | 18      | 315     | 360     | 396     | 206     | <b>20776</b> |

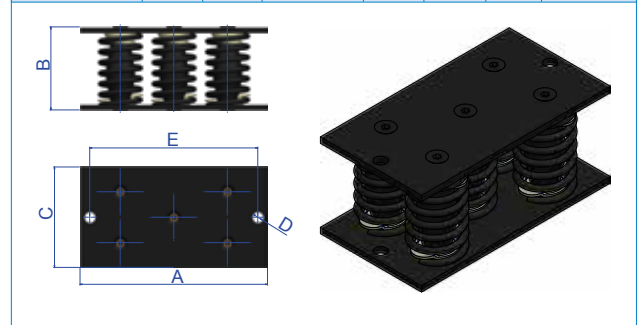


DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® 5 AMC

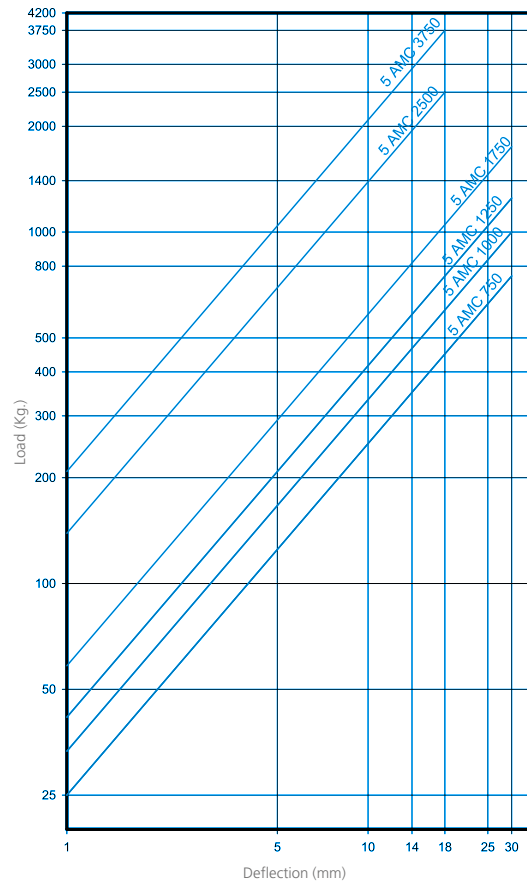


## Vibrabsorber

| Type        | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | Code         |
|-------------|---------|---------|--------------|---------|---------|---------|--------------|
| 5 AMC 750   | 280     | 124     | BLUE         | 150     | 16      | 248     | <b>20701</b> |
| 5 AMC 1.000 | 280     | 124     | WHITE        | 150     | 16      | 248     | <b>20711</b> |
| 5 AMC 1.250 | 280     | 124     | BLACK        | 150     | 16      | 248     | <b>20721</b> |
| 5 AMC 1.750 | 280     | 124     | CREAM        | 150     | 16      | 248     | <b>20731</b> |
| 5 AMC 2.500 | 350     | 124     | LIGHT GREY   | 200     | 18      | 300     | <b>20741</b> |
| 5 AMC 3.750 | 350     | 124     | GREEN        | 200     | 18      | 315     | <b>20751</b> |



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 5 AMC



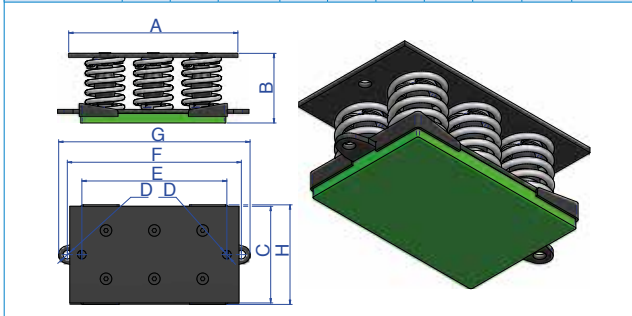
# 6 AMC

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

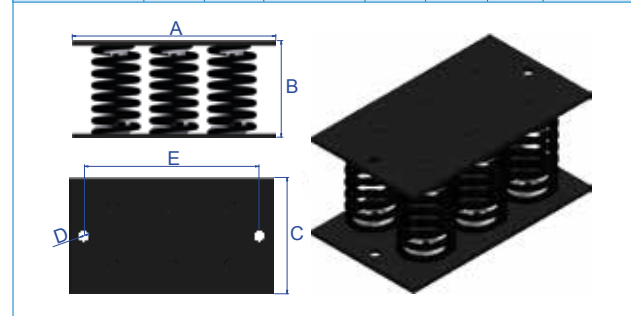
## Vibrabsorber + <sup>by getzner</sup>sylomer®

| Type                 | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | Code  |
|----------------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|-------|
| 6 AMC 900 +Sylomer®  | 280     | 136     | BLUE         | 150     | 16      | 248     | 290     | 322     | 156     | 20871 |
| 6 AMC 1200 +Sylomer® | 280     | 136     | WHITE        | 150     | 16      | 248     | 290     | 322     | 156     | 20872 |
| 6 AMC 1500 +Sylomer® | 280     | 136     | BLACK        | 150     | 16      | 248     | 290     | 322     | 156     | 20873 |
| 6 AMC 2100 +Sylomer® | 280     | 136     | CREAM        | 150     | 16      | 248     | 290     | 322     | 156     | 20874 |
| 6 AMC 3000 +Sylomer® | 350     | 136     | LIGHT GREY   | 200     | 18      | 300     | 360     | 396     | 206     | 20875 |
| 6 AMC 4500 +Sylomer® | 350     | 136     | GREEN        | 200     | 18      | 300     | 360     | 396     | 206     | 20876 |

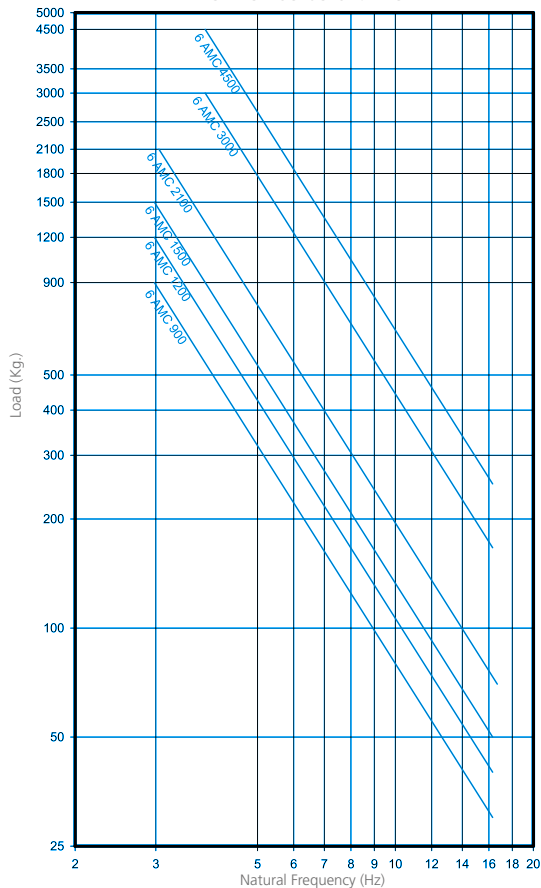


## Vibrabsorber

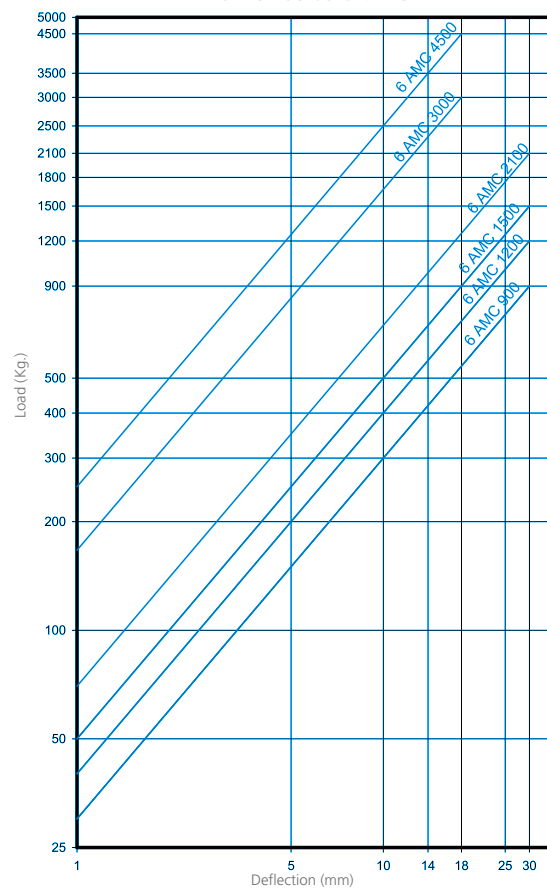
| Type        | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | Code  |
|-------------|---------|---------|--------------|---------|---------|---------|-------|
| 6 AMC 900   | 280     | 124     | BLUE         | 150     | 16      | 248     | 20801 |
| 6 AMC 1.200 | 280     | 124     | WHITE        | 150     | 16      | 248     | 20811 |
| 6 AMC 1.500 | 280     | 124     | BLACK        | 150     | 16      | 248     | 20821 |
| 6 AMC 2.100 | 280     | 124     | CREAM        | 150     | 16      | 248     | 20831 |
| 6 AMC 3.000 | 350     | 124     | LIGHT GREY   | 200     | 18      | 300     | 20841 |
| 6 AMC 4.500 | 350     | 124     | GREEN        | 200     | 18      | 300     | 20851 |



DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® 6 AMC



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 6 AMC



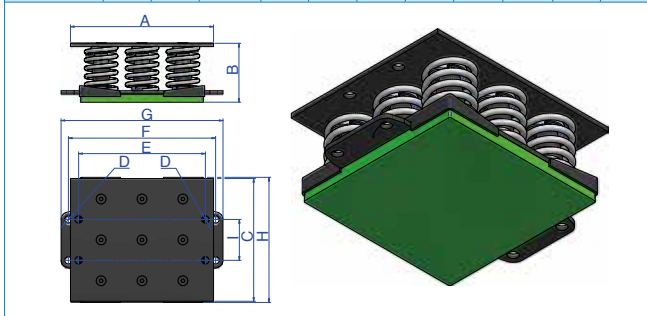
# 9 AMC

Spring mount is necessary in all machinery, which, by virtue of its design, has reciprocating or rotating parts, creates vibration to some degree through the imbalance of the moving parts. This vibration produced by a machine leads to different problems, such as a reduction in the machine's

useful life through part wear, plus the transmission of this vibration to other non-insulated adjacent structures, giving rise to problems of noise and vibration transmission. It is therefore important to install a spring mount to machinery.

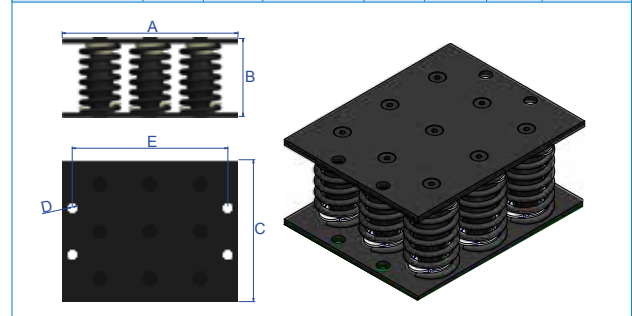
## Vibrabsorber + by getzner **sylomer**

| Type                 | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Code  |
|----------------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|-------|
| 9 AMC 1350 +Sylomer® | 280     | 136     | BLUE         | 226     | 16      | 248     | 290     | 322     | 232     | 75      | 20971 |
| 9 AMC 1800 +Sylomer® | 280     | 136     | WHITE        | 226     | 16      | 248     | 290     | 322     | 232     | 75      | 20972 |
| 9 AMC 2250 +Sylomer® | 280     | 136     | BLACK        | 226     | 16      | 248     | 290     | 322     | 232     | 75      | 20973 |
| 9 AMC 3150 +Sylomer® | 280     | 136     | CREAM        | 226     | 16      | 248     | 290     | 322     | 232     | 75      | 20974 |
| 9 AMC 4500 +Sylomer® | 350     | 136     | LIGHT GREY   | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 20975 |
| 9 AMC 6750 +Sylomer® | 350     | 136     | GREEN        | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 20976 |

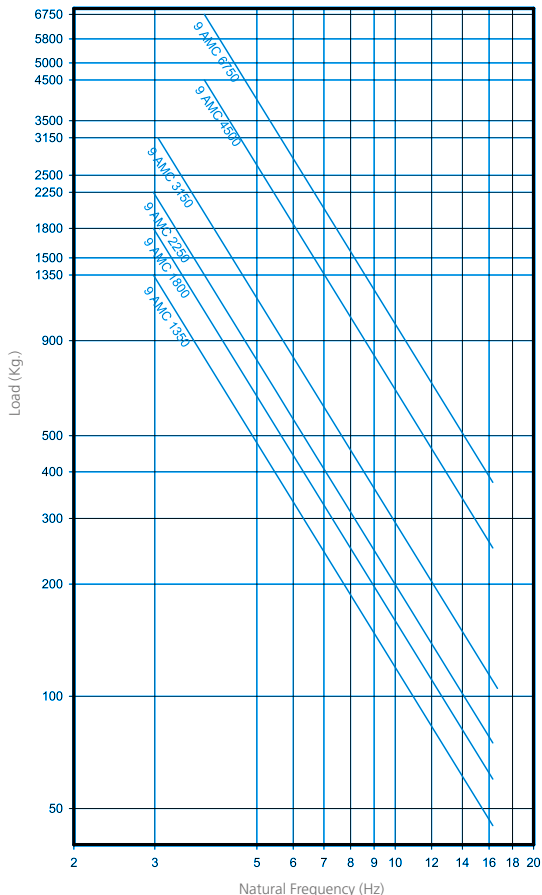


## Vibrabsorber

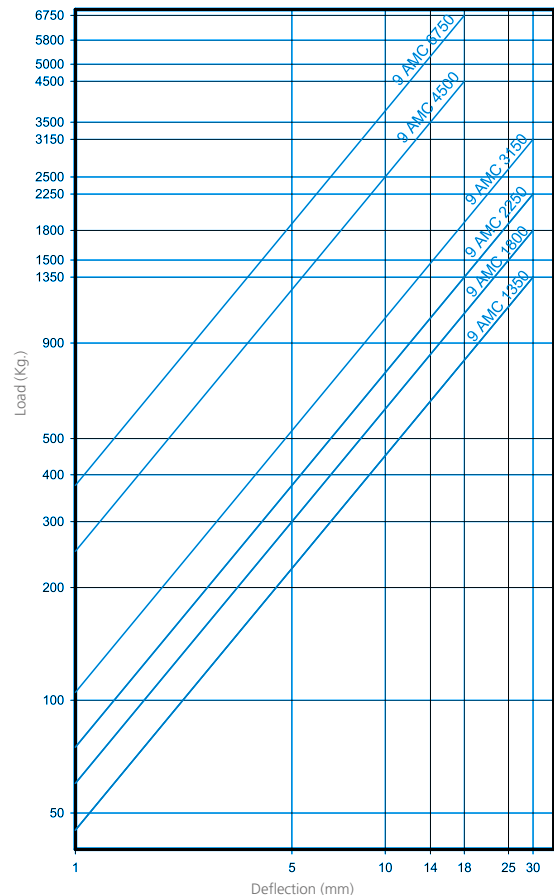
| Type        | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | Code  |
|-------------|---------|---------|--------------|---------|---------|---------|-------|
| 9 AMC 1.350 | 280     | 124     | BLUE         | 226     | 16      | 248     | 20901 |
| 9 AMC 1.800 | 280     | 124     | WHITE        | 226     | 16      | 248     | 20911 |
| 9 AMC 2.250 | 280     | 124     | BLACK        | 226     | 16      | 248     | 20921 |
| 9 AMC 3.150 | 280     | 124     | CREAM        | 226     | 16      | 248     | 20931 |
| 9 AMC 4.500 | 350     | 124     | LIGHT GREY   | 300     | 18      | 310     | 20941 |
| 9 AMC 6.750 | 350     | 124     | GREEN        | 300     | 18      | 310     | 20951 |



DYNAMIC NATURAL FREQUENCY RANGE  
AMC -MECANOCAUCHO® 9 AMC



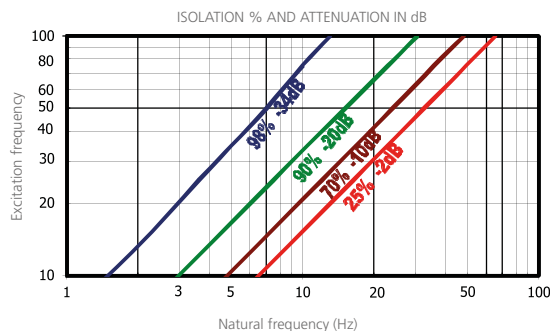
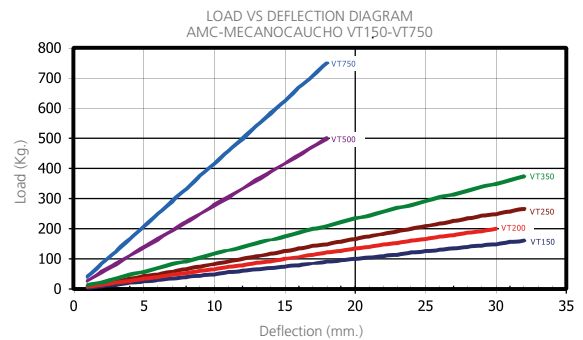
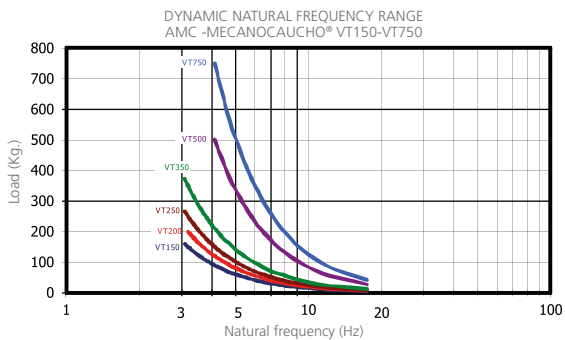
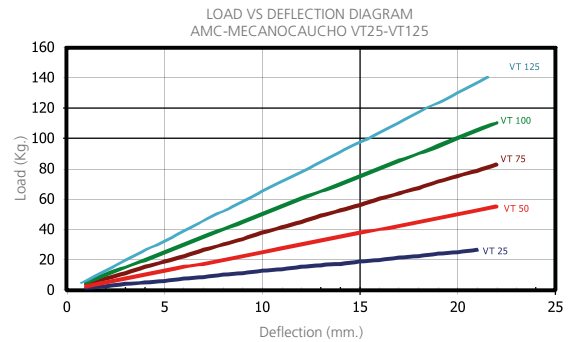
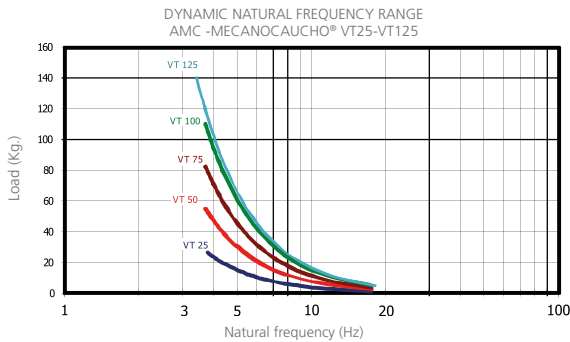
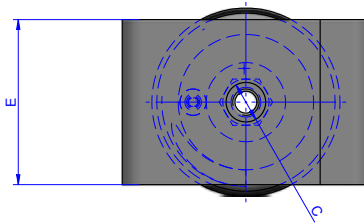
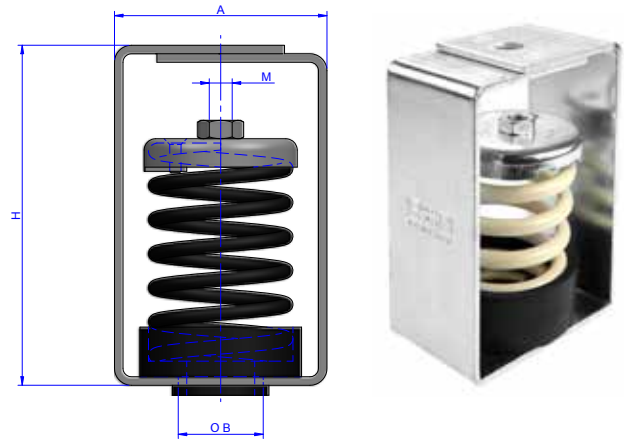
LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO 9 AMC



# VT

Range designed for suspension of suspended acoustic ceilings and machinery operating at more than 450 r.p.m. These isolators are made of piano tail spring quality with a high mechanical performance. They incorporate rubber bush conceived to avoid the "acoustic bridges" and the contact of a non aligned screw. The metallic structure is very robust and it is supplied with an anti-corrosive zinc-plated coat.

| Type   | A (mm.) | Spring colour | B (mm.) | C (mm.) | E (mm.) | H (mm.) | M    | Code  |
|--------|---------|---------------|---------|---------|---------|---------|------|-------|
| VT 25  | 75      | BLACK         | 30      | 12      | 50      | 120     | M-8  | 20201 |
| VT 50  | 75      | BLUE          | 30      | 12      | 50      | 120     | M-8  | 20202 |
| VT 75  | 75      | GREY          | 30      | 12      | 50      | 120     | M-8  | 20203 |
| VT 100 | 75      | BEIGE         | 30      | 12      | 50      | 120     | M-8  | 20204 |
| VT 125 | 75      | WHITE         | 30      | 12      | 50      | 120     | M-8  | 20211 |
| VT 150 | 120     | BLUE          | 30      | 16      | 80      | 160     | M-12 | 20205 |
| VT 200 | 120     | WHITE         | 30      | 16      | 80      | 160     | M-12 | 20210 |
| VT 250 | 120     | BLACK         | 30      | 16      | 80      | 160     | M-12 | 20206 |
| VT 350 | 120     | CREAM         | 30      | 16      | 80      | 160     | M-12 | 20207 |
| VT 500 | 140     | LIGHT GREY    | 30      | 16      | 100     | 180     | M-14 | 20208 |
| VT 750 | 140     | GREEN         | 30      | 16      | 100     | 180     | M-14 | 20209 |



## V-SH

The mounts are able to reach low natural frequencies from 2 to 5 Hz. The spring combined with sylomer<sup>®</sup> is able to provide high isolation at low and medium frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring.

This range of mounts comprises:

- A spring high elasticity and very low natural frequency.
- An incorporated levelling system.
- A non-slip rubber base.
- A spare Sylomer to isolate mid and high frequencies comes standard.



### V-SH Natural Frequency 2 to 5 Hz

| Type     | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | Load (kg.) | Code  |
|----------|---------|---------|--------------|---------|---------|---------|---------|------------|-------|
| V-SH 67  | 90      | 172     | BLUE         | M12     | 100     | 120     | 12      | 67         | 20397 |
| V-SH 95  | 90      | 172     | WHITE        | M12     | 100     | 120     | 12      | 95         | 20465 |
| V-SH 123 | 90      | 172     | BLACK        | M12     | 100     | 120     | 12      | 123        | 20398 |
| V-SH 173 | 90      | 172     | BEIGE        | M12     | 100     | 120     | 12      | 173        | 20466 |
| V-SH 223 | 90      | 172     | RED          | M12     | 100     | 120     | 12      | 223        | 20399 |
| V-SH 335 | 90      | 172     | GREY         | M12     | 100     | 120     | 12      | 335        | 20467 |
| V-SH 446 | 90      | 172     | GREEN        | M12     | 100     | 120     | 12      | 446        | 20400 |

| Type      | A (mm.) | B (mm.) | Spring color | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | J (mm.) | Load (kg.) | Code  |
|-----------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|------------|-------|
| 2V-SH 134 | 252     | 178     | BLUE         | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 134        | 20405 |
| 2V-SH 190 | 252     | 178     | WHITE        | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 190        | 21010 |
| 2V-SH 246 | 252     | 178     | BLACK        | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 226        | 20406 |
| 2V-SH 346 | 252     | 178     | BEIGE        | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 346        | 21011 |
| 2V-SH 446 | 252     | 178     | RED          | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 446        | 20407 |
| 2V-SH 670 | 252     | 178     | GREY         | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 670        | 21012 |
| 2V-SH 892 | 252     | 178     | GREEN        | 100     | 14      | 210     | 100     | 106     | 270     | 298     | 892        | 20408 |

| Type       | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Load (kg.) | Code  |
|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|------------|-------|
| 3V-SH 201  | 219     | 178     | BLUE         | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 201        | 21020 |
| 3V-SH 285  | 219     | 178     | WHITE        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 285        | 21021 |
| 3V-SH 369  | 219     | 178     | BLACK        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 369        | 21022 |
| 3V-SH 519  | 219     | 178     | BEIGE        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 519        | 21023 |
| 3V-SH 669  | 219     | 178     | RED          | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 669        | 21024 |
| 3V-SH 1005 | 219     | 178     | GREY         | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 1005       | 21025 |
| 3V-SH 1338 | 219     | 178     | GREEN        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 1338       | 21026 |



## V-SH Natural Frequency 2 to 5 Hz

| Type       | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Load (kg.) | Code         |
|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|------------|--------------|
| 4V-SH 268  | 250     | 178     | BLUE         | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 268        | <b>21030</b> |
| 4V-SH 380  | 250     | 178     | WHITE        | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 380        | <b>21031</b> |
| 4V-SH 492  | 250     | 178     | BLACK        | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 492        | <b>21032</b> |
| 4V-SH 692  | 250     | 178     | BEIGE        | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 692        | <b>21033</b> |
| 4V-SH 892  | 250     | 178     | RED          | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 892        | <b>21034</b> |
| 4V-SH 1340 | 250     | 178     | GREY         | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 1340       | <b>21035</b> |
| 4V-SH 1784 | 250     | 178     | GREEN        | M20     | 200     | 14      | 210     | 260     | 288     | 206     | 1784       | <b>21036</b> |

| Type       | A (mm.) | B (mm.) | Spring color | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Load (kg.) | Code  |
|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|------------|-------|
| 5V-SH 335  | 350     | 178     | BLUE         | 200     | 18      | 315     | 360     | 396     | 206     | 335        | 21040 |
| 5V-SH 475  | 350     | 178     | WHITE        | 200     | 18      | 315     | 360     | 396     | 206     | 475        | 21041 |
| 5V-SH 615  | 350     | 178     | BLACK        | 200     | 18      | 315     | 360     | 396     | 206     | 615        | 21042 |
| 5V-SH 865  | 350     | 178     | BEIGE        | 200     | 18      | 315     | 360     | 396     | 206     | 865        | 21043 |
| 5V-SH 1115 | 350     | 178     | RED          | 200     | 18      | 315     | 360     | 396     | 206     | 1115       | 21044 |
| 5V-SH 1675 | 350     | 178     | GREY         | 200     | 18      | 315     | 360     | 396     | 206     | 1675       | 21045 |
| 5V-SH 2230 | 350     | 178     | GREEN        | 200     | 18      | 315     | 360     | 396     | 206     | 2230       | 21046 |

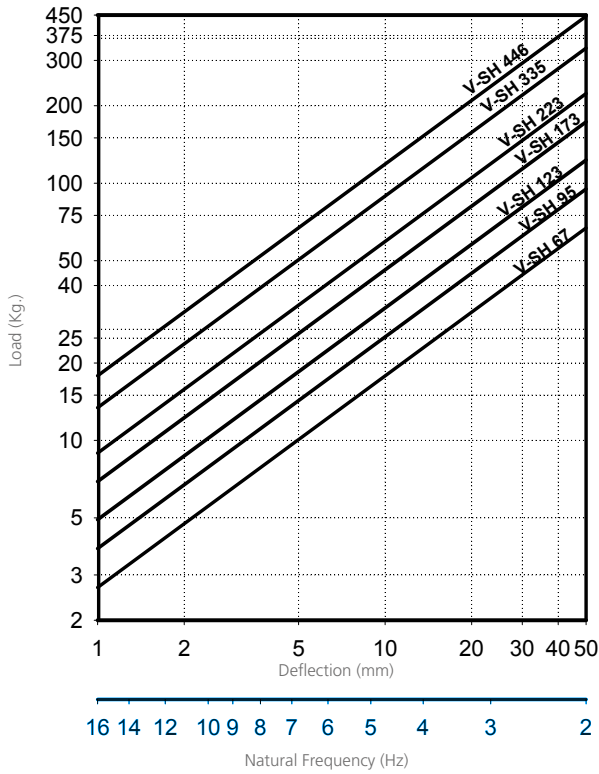
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|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|------------|-------|
| 6V-SH 402  | 350     | 178     | BLUE         | 200     | 18      | 300     | 360     | 396     | 206     | 402        | 21050 |
| 6V-SH 570  | 350     | 178     | WHITE        | 200     | 18      | 300     | 360     | 396     | 206     | 570        | 21051 |
| 6V-SH 738  | 350     | 178     | BLACK        | 200     | 18      | 300     | 360     | 396     | 206     | 738        | 21052 |
| 6V-SH 1038 | 350     | 178     | BEIGE        | 200     | 18      | 300     | 360     | 396     | 206     | 1038       | 21053 |
| 6V-SH 1338 | 350     | 178     | RED          | 200     | 18      | 300     | 360     | 396     | 206     | 1338       | 21054 |
| 6V-SH 2010 | 350     | 178     | GREY         | 200     | 18      | 300     | 360     | 396     | 206     | 2010       | 21055 |
| 6V-SH 2676 | 350     | 178     | GREEN        | 200     | 18      | 300     | 360     | 396     | 206     | 2676       | 21056 |

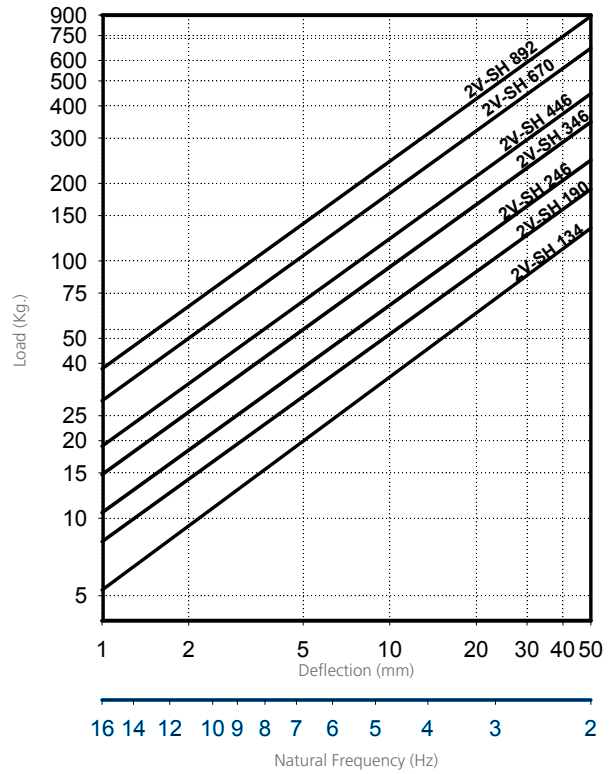
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|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|------------|--------------|
| 9V-SH 603  | 350     | 178     | BLUE         | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 603        | <b>21060</b> |
| 9V-SH 855  | 350     | 178     | WHITE        | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 855        | <b>21061</b> |
| 9V-SH 1107 | 350     | 178     | BLACK        | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 1107       | <b>21062</b> |
| 9V-SH 1557 | 350     | 178     | BEIGE        | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 1557       | <b>21063</b> |
| 9V-SH 2007 | 350     | 178     | RED          | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 2007       | <b>21064</b> |
| 9V-SH 3015 | 350     | 178     | GREY         | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 3015       | <b>21065</b> |
| 9V-SH 4014 | 350     | 178     | GREEN        | 300     | 18      | 310     | 360     | 396     | 306     | 100     | 4014       | <b>21066</b> |

# V-SH ELASTICAL PROPERTIES

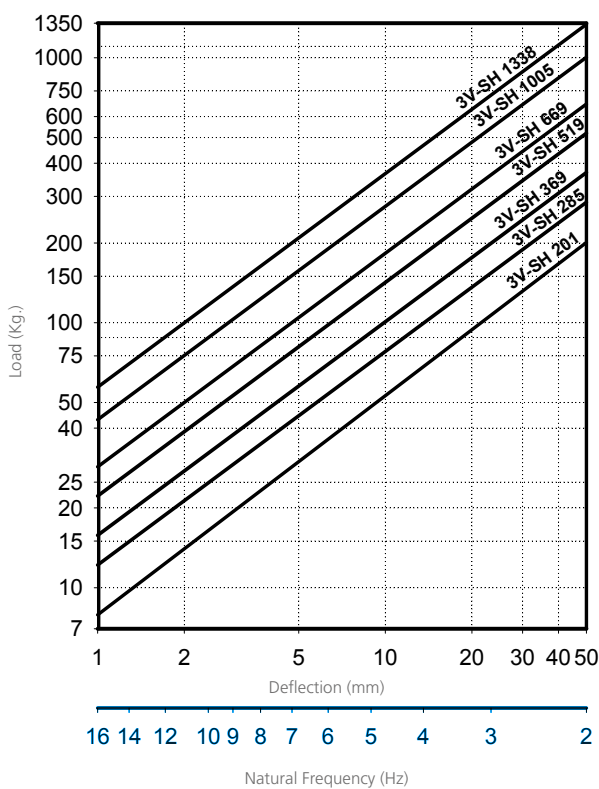
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AMC-MECANOCAUCHO® 1V-SH



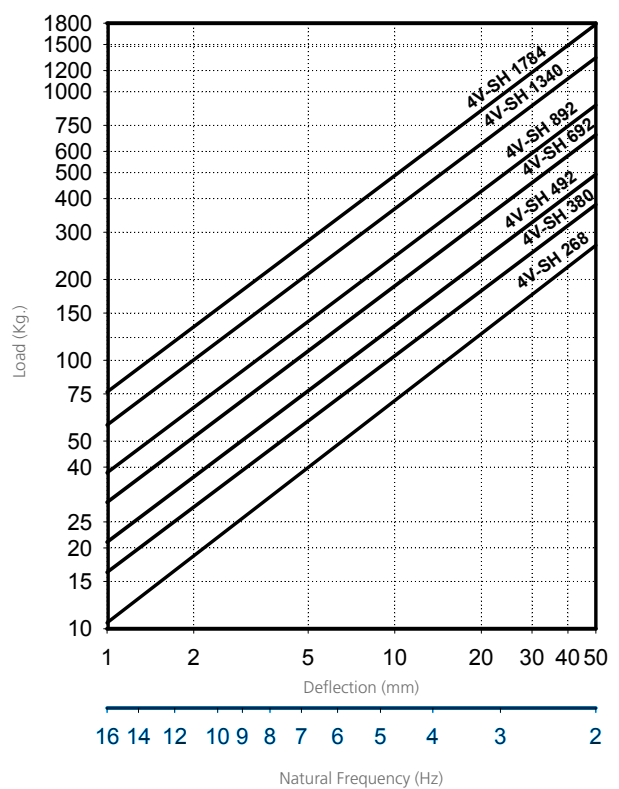
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AMC-MECANOCAUCHO® 2V-SH



LOAD VS DEFLECTION DIAGRAM  
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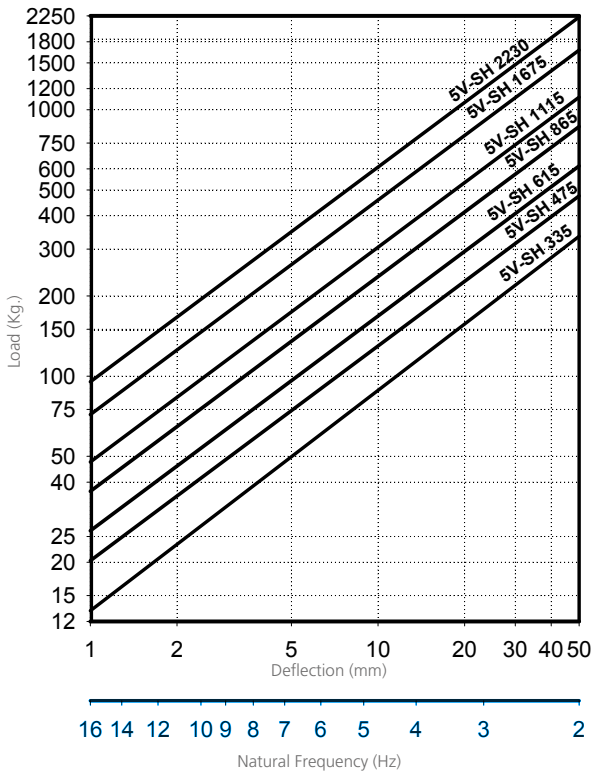


LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 4V-SH

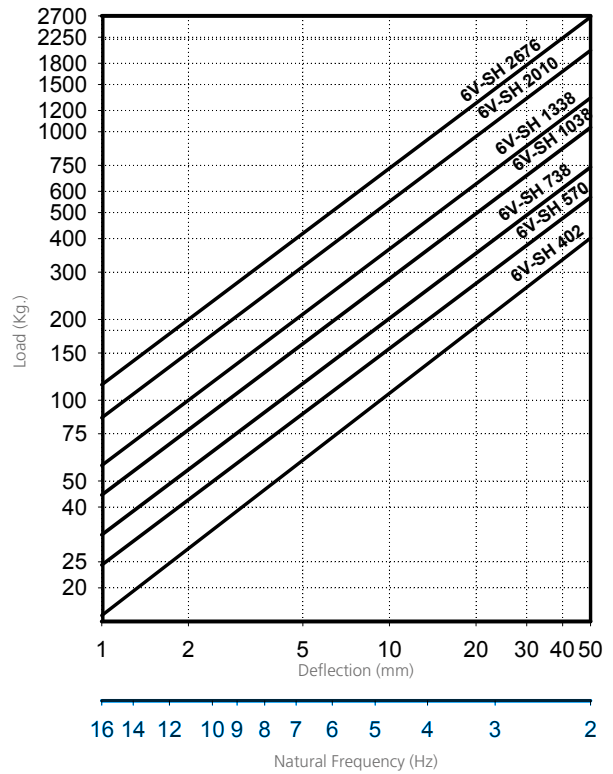


# V-SH ELASTICAL PROPERTIES

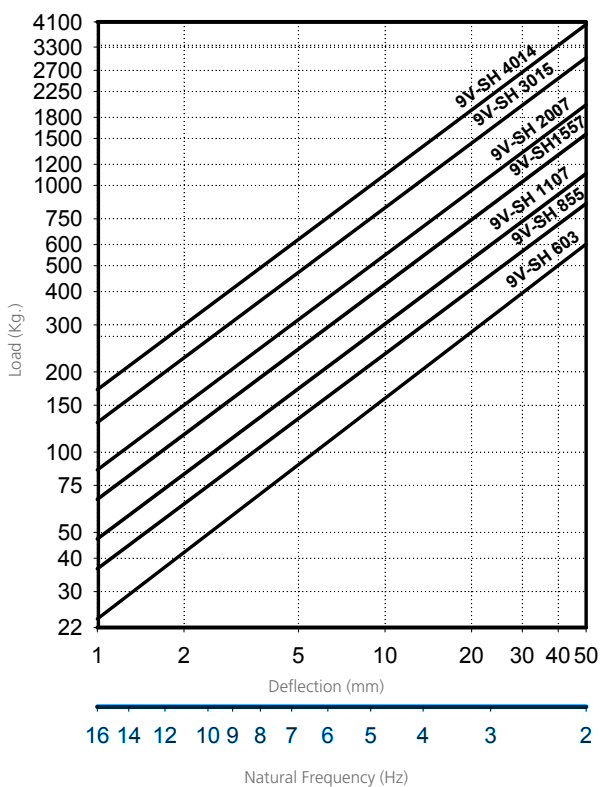
LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 5V-SH



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 6V-SH



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 9V-SH



# V-SR

The mounts are able to reach low natural frequencies from 3 to 5 Hz. The spring combined with sylomer<sup>®</sup> is able to provide high isolation at low and medium frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring.

This range of mounts comprises:

- A spring high elasticity and very low natural frequency.
- An incorporated levelling system.
- A non-slip rubber base.
- A spare Sylomer to isolate mid and high frequencies comes standard.

V-SR

Natural Frequency 3 to 5 Hz



| Type      | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | Load (kg.) | Code  |
|-----------|---------|---------|--------------|---------|---------|---------|---------|------------|-------|
| V-SR-250  | 75      | 130     | BLACK        | M10     | 100     | 120     | 12      | 250        | 20391 |
| V-SR-350  | 75      | 130     | BEIGE        | M10     | 100     | 120     | 12      | 350        | 20392 |
| V-SR-650  | 90      | 172     | BLACK        | M12     | 100     | 120     | 12      | 650        | 20393 |
| V-SR-800  | 90      | 172     | BLACK        | M12     | 100     | 120     | 12      | 800        | 20394 |
| V-SR-1000 | 90      | 172     | BLACK        | M12     | 100     | 120     | 12      | 1000       | 20395 |
| V-SR-1200 | 90      | 172     | BLACK        | M12     | 100     | 120     | 12      | 1200       | 20396 |

| Type       | A (mm.) | B (mm.) | Spring color | D (mm.) | E (mm.) | F (mm.) | G (mm.) | Load (kg.) | Code  |
|------------|---------|---------|--------------|---------|---------|---------|---------|------------|-------|
| 2V-SR-1300 | 252     | 178     | BLACK        | 100     | 14      | 210     | 100     | 1300       | 21071 |
| 2V-SR-1600 | 252     | 178     | BLACK        | 100     | 14      | 210     | 100     | 1600       | 21072 |
| 2V-SR-2000 | 252     | 178     | BLACK        | 100     | 14      | 210     | 100     | 2000       | 21073 |
| 2V-SR-2400 | 252     | 178     | BLACK        | 100     | 14      | 210     | 100     | 2400       | 21074 |

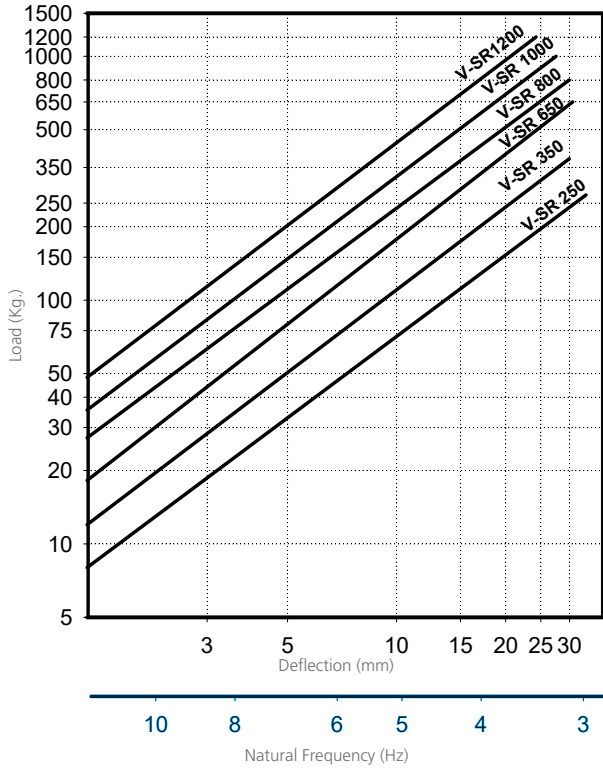
| Type       | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Load (kg.) | Code  |
|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|------------|-------|
| 3V-SR-1950 | 219     | 178     | BLACK        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 1950       | 21131 |
| 3V-SR-2400 | 219     | 178     | BLACK        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 2400       | 21132 |
| 3V-SR-3000 | 219     | 178     | BLACK        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 3000       | 21133 |
| 3V-SR-3600 | 219     | 178     | BLACK        | M20     | 14      | 246     | 136     | 251     | 220     | 255,7   | 3600       | 21134 |

## V-SR Natural Frequency 3 to 5 Hz

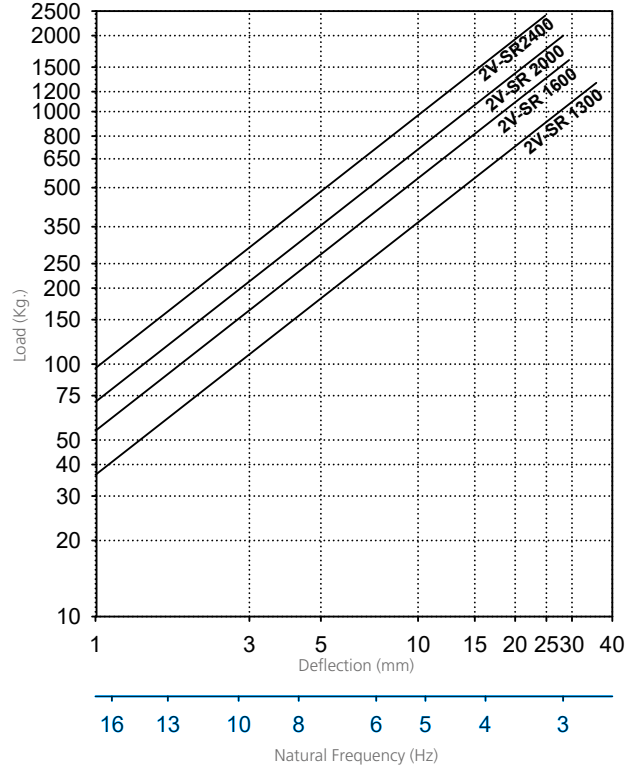
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|-------------|------------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|--------------|--------------|--------------|
|             | Type       | A (mm.) | B (mm.) | Spring color | C (mm.) | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.)      | Load (kg.)   | Code         |
|             | 4V-SR-2600 | 250     | 178     | BLACK        | M20     | 200     | 14      | 210     | 260     | 288     | 206          | 2600         | <b>21081</b> |
|             | 4V-SR-3200 | 250     | 178     | BLACK        | M20     | 200     | 14      | 210     | 260     | 288     | 206          | 3200         | <b>21082</b> |
|             | 4V-SR-4000 | 250     | 178     | BLACK        | M20     | 200     | 14      | 210     | 260     | 288     | 206          | 4000         | <b>21083</b> |
| 4V-SR-4800  | 250        | 178     | BLACK   | M20          | 200     | 14      | 210     | 260     | 288     | 206     | 4800         | <b>21084</b> |              |
|             | Type       | A (mm.) | B (mm.) | Spring color | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Load (kg.)   | Code         |              |
|             | 5V-SR-3250 | 350     | 178     | BLACK        | 200     | 18      | 315     | 360     | 396     | 206     | 3250         | <b>21091</b> |              |
|             | 5V-SR-4000 | 350     | 178     | BLACK        | 200     | 18      | 315     | 360     | 396     | 206     | 4000         | <b>21092</b> |              |
|             | 5V-SR-5000 | 350     | 178     | BLACK        | 200     | 18      | 315     | 360     | 396     | 206     | 5000         | <b>21093</b> |              |
| 5V-SR-6000  | 350        | 178     | BLACK   | 200          | 18      | 315     | 360     | 396     | 206     | 6000    | <b>21094</b> |              |              |
|             | Type       | A (mm.) | B (mm.) | Spring color | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | Load (kg.)   | Code         |              |
|             | 6V-SR-3900 | 350     | 178     | BLACK        | 200     | 18      | 300     | 360     | 396     | 206     | 3900         | 21101        |              |
|             | 6V-SR-4800 | 350     | 178     | BLACK        | 200     | 18      | 300     | 360     | 396     | 206     | 4800         | 21102        |              |
|             | 6V-SR-6000 | 350     | 178     | BLACK        | 200     | 18      | 300     | 360     | 396     | 206     | 6000         | 21103        |              |
| 6V-SR-7200  | 350        | 178     | BLACK   | 200          | 18      | 300     | 360     | 396     | 206     | 7200    | 21104        |              |              |
|             | Type       | A (mm.) | B (mm.) | Spring color | D (mm.) | E (mm.) | F (mm.) | G (mm.) | H (mm.) | I (mm.) | J (mm.)      | Load (kg.)   | Code         |
|             | 9V-SR-5850 | 350     | 178     | BLACK        | 300     | 18      | 310     | 360     | 396     | 306     | 100          | 5850         | <b>21111</b> |
|             | 9V-SR-7200 | 350     | 178     | BLACK        | 300     | 18      | 310     | 360     | 396     | 306     | 100          | 7200         | <b>21112</b> |
|             | 9V-SR-9000 | 350     | 178     | BLACK        | 300     | 18      | 310     | 360     | 396     | 306     | 100          | 9000         | <b>21113</b> |
| 9V-SR-10800 | 350        | 178     | BLACK   | 300          | 18      | 310     | 360     | 396     | 306     | 100     | 10800        | <b>21114</b> |              |

# V-SR ELASTICAL PROPERTIES

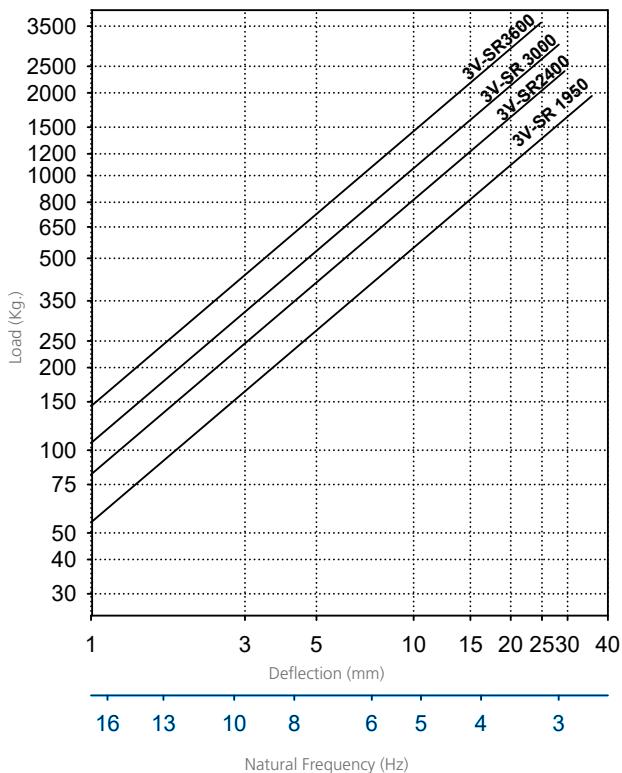
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AMC-MECANOCAUCHO® 1V-SR



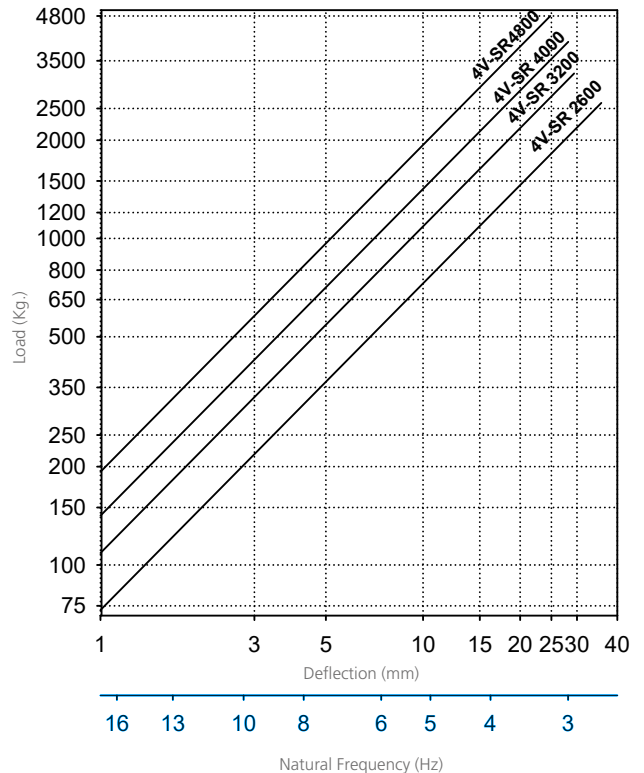
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AMC-MECANOCAUCHO® 2V-SR



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 3V-SR

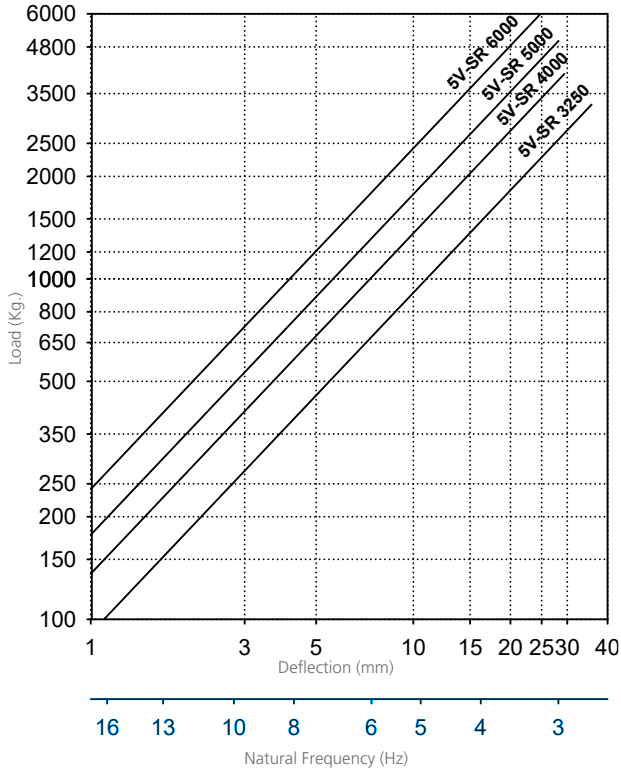


LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 4V-SR

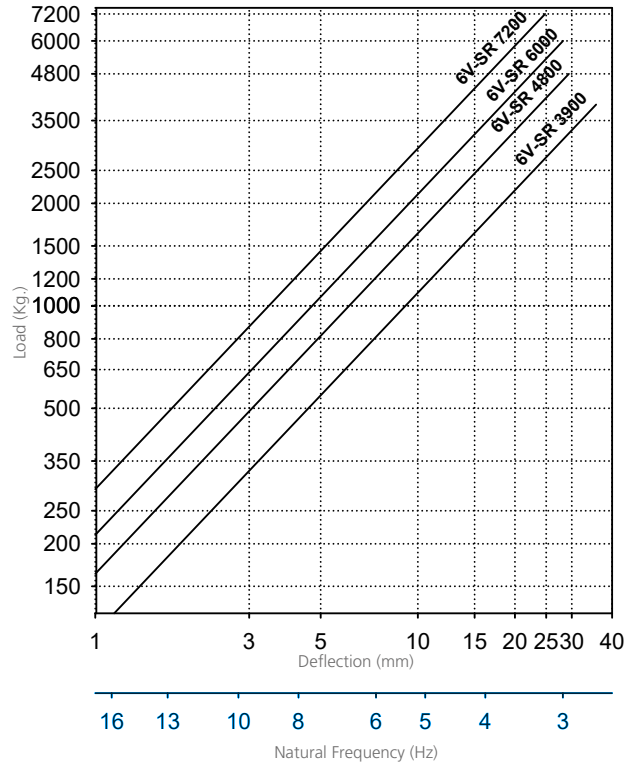


# V-SR ELASTICAL PROPERTIES

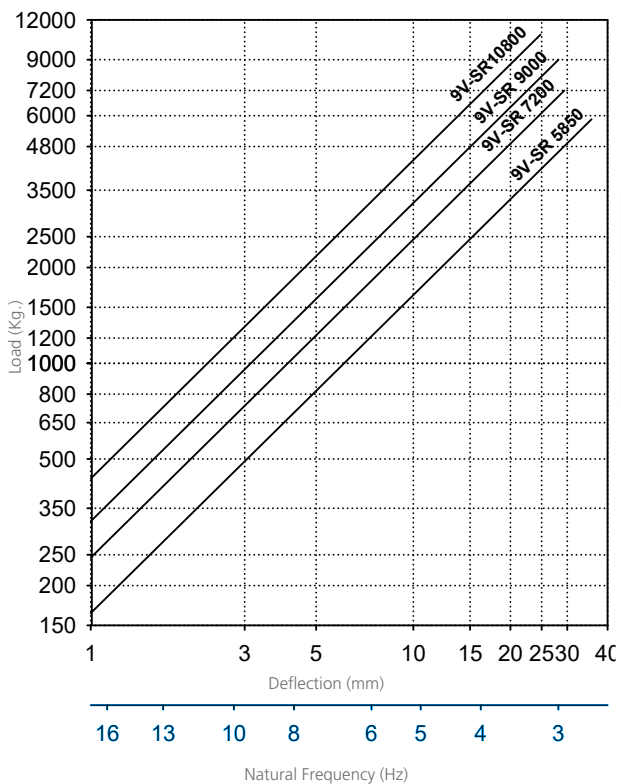
LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 5V-SR



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 6V-SR



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 9V-SR




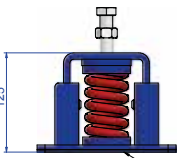
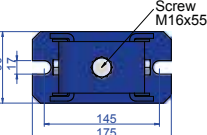

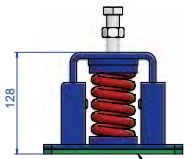
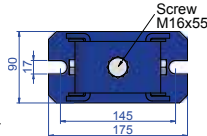

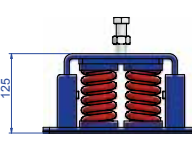
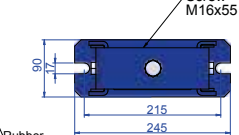

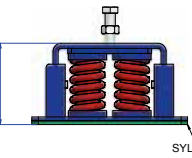
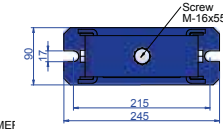

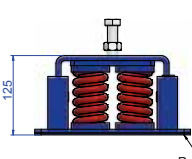
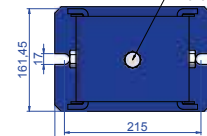

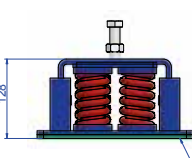
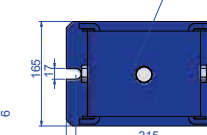
## ANTISEISMIC SPRING MOUNTS

These brackets are made of mechanical anchoring systems which ensure your unit applications static and provide high reliability for the isolation of low frequency vibrations. In order to improve their performance in seismic applications the technical department of AMC-MECANOCAUCHO designed a new internal architecture to resist such environments.

In addition to its resistance these pieces offer the following advantages:

- **TRANSPORT SAFETY:** Vibrabsorber seismic brackets feature a locking device, so that the brackets are locked during transport of the machine.
- **NOISE ISOLATION STRUCTURE:** The supports vibrabsorber seismic Sylomer® have in their interior, microcellular polyurethane insulates this mid and high frequencies that are transmitted by the spring.


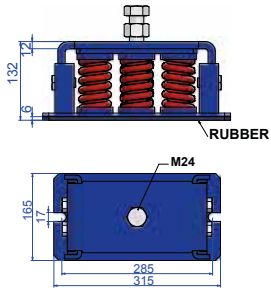

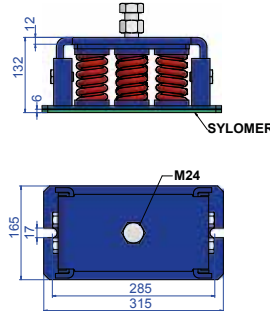

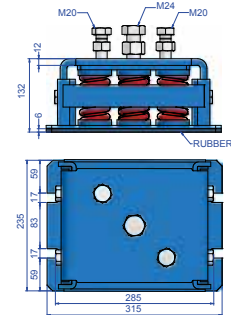

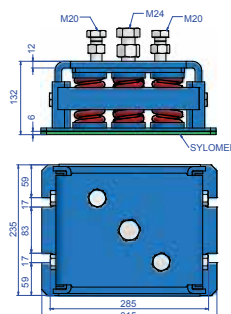



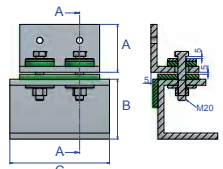
|  | Type            | Code  | No. Springs | Spring colour | DEFLECTION mm. | LOAD Kg. MAX |
|--|-----------------|-------|-------------|---------------|----------------|--------------|
|    <p>Screw M16x55<br/>Rubber</p>         | 1 AMC           | 20409 | 1           | PURPLE        | 22             | 305          |
|  |                 | 20381 | 1           | GREEN         | 22             | 405          |
|  |                 | 20382 | 1           | GREY          | 22             | 540          |
|  |                 | 20383 | 1           | WHITE         | 22             | 612          |
|  |                 | 20384 | 1           | RED           | 22             | 803          |
|    <p>Screw M16x55<br/>Sylomer</p>    | 1 AMC + SYLOMER | 20413 | 1           | PURPLE        | 22             | 305          |
|  |                 | 20377 | 1           | GREEN         | 22             | 405          |
|  |                 | 20378 | 1           | GREY          | 22             | 540          |
|  |                 | 20379 | 1           | WHITE         | 22             | 612          |
|  |                 | 20380 | 1           | RED           | 22             | 803          |
|    <p>Screw M16x55<br/>Rubber</p>   | 2 AMC           | 20494 | 2           | PURPLE        | 22             | 610          |
|  |                 | 20496 | 2           | GREEN         | 22             | 815          |
|  |                 | 20497 | 2           | GREY          | 22             | 1080         |
|  |                 | 20498 | 2           | WHITE         | 22             | 1225         |
|  |                 | 20500 | 2           | RED           | 22             | 1610         |
|    <p>Screw M-16x55<br/>SYLOMER</p> | 2 AMC + SYLOMER | 20480 | 2           | PURPLE        | 22             | 610          |
|  |                 | 20487 | 2           | GREEN         | 22             | 815          |
|  |                 | 20488 | 2           | GREY          | 22             | 1080         |
|  |                 | 20489 | 2           | WHITE         | 22             | 1225         |
|  |                 | 20490 | 2           | RED           | 22             | 1610         |
|    <p>Screw M16x55<br/>Rubber</p>   | 4 AMC           | 20700 | 4           | PURPLE        | 22             | 1220         |
|  |                 | 20696 | 4           | GREEN         | 22             | 1620         |
|  |                 | 20697 | 4           | GREY          | 22             | 2160         |
|  |                 | 20698 | 4           | WHITE         | 22             | 2448         |
|  |                 | 20699 | 4           | RED           | 22             | 3212         |
|    <p>M16<br/>SYLOMER</p>           | 4 AMC + SYLOMER | 20686 | 4           | PURPLE        | 22             | 1220         |
|  |                 | 20687 | 4           | GREEN         | 22             | 1620         |
|  |                 | 20688 | 4           | GREY          | 22             | 2160         |
|  |                 | 20689 | 4           | WHITE         | 22             | 2448         |
|  |                 | 20690 | 4           | RED           | 22             | 3212         |



# ANTISEISMIC SPRING MOUNTS

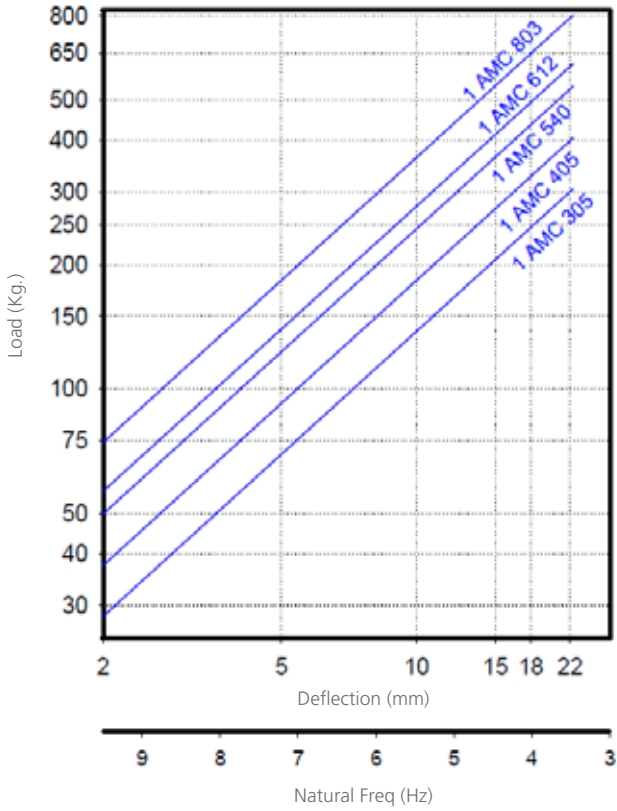


|   |                 | Type  | Code | No. Springs | Spring colour | DEFLECTION mm. | LOAD Kg. MAX |
|---|-----------------|-------|------|-------------|---------------|----------------|--------------|
|       | 6 AMC           | 20761 | 6    | PURPLE      | 22            | 1830           |              |
|   |                 | 20762 | 6    | GREEN       | 22            | 2430           |              |
|   |                 | 20763 | 6    | GREY        | 22            | 3240           |              |
|   |                 | 20764 | 6    | WHITE       | 22            | 3672           |              |
|   |                 | 20765 | 6    | RED         | 22            | 4818           |              |
|     | 6 AMC + SYLOMER | 20766 | 6    | PURPLE      | 22            | 1830           |              |
|   |                 | 20767 | 6    | GREEN       | 22            | 2430           |              |
|   |                 | 20768 | 6    | GREY        | 22            | 3240           |              |
|   |                 | 20769 | 6    | WHITE       | 22            | 3672           |              |
|   |                 | 20770 | 6    | RED         | 22            | 4818           |              |
|   | 9 AMC           | 20961 | 9    | PURPLE      | 22            | 2745           |              |
|   |                 | 20962 | 9    | GREEN       | 22            | 3645           |              |
|   |                 | 20963 | 9    | GREY        | 22            | 4860           |              |
|   |                 | 20964 | 9    | WHITE       | 22            | 5508           |              |
|   |                 | 20965 | 9    | RED         | 22            | 7227           |              |
|   | 9 AMC + SYLOMER | 20992 | 9    | PURPLE      | 22            | 2745           |              |
|   |                 | 20993 | 9    | GREEN       | 22            | 3645           |              |
|   |                 | 20994 | 9    | GREY        | 22            | 4860           |              |
|   |                 | 20995 | 9    | WHITE       | 22            | 5508           |              |
|   |                 | 20996 | 9    | RED         | 22            | 7227           |              |

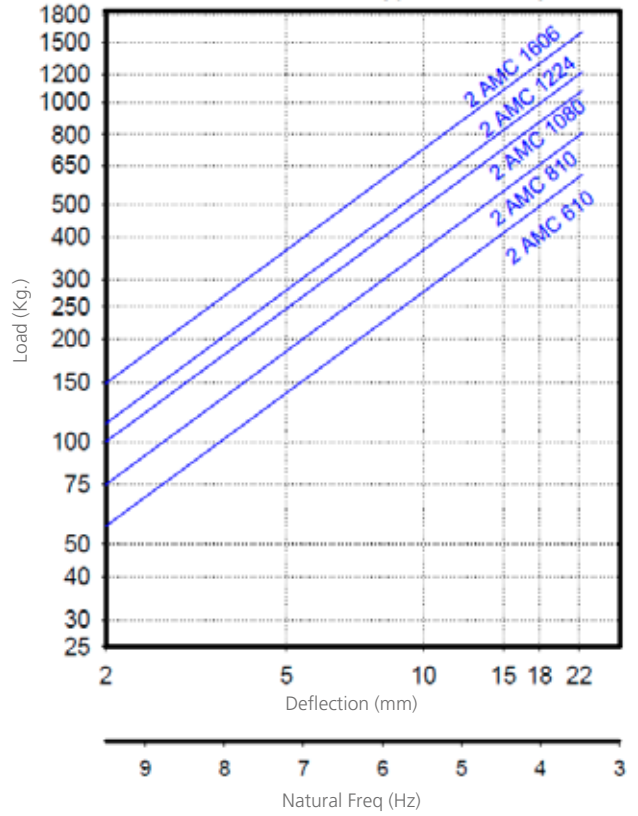
| Type  | SUMMARY  | Code         |
|---|--|--------------|
|   | Dimensions A, B, C and D could vary according to the selected mount and the characteristics of the frame | <b>20670</b> |

## ANTISEISMIC ELASTICAL PROPERTIES

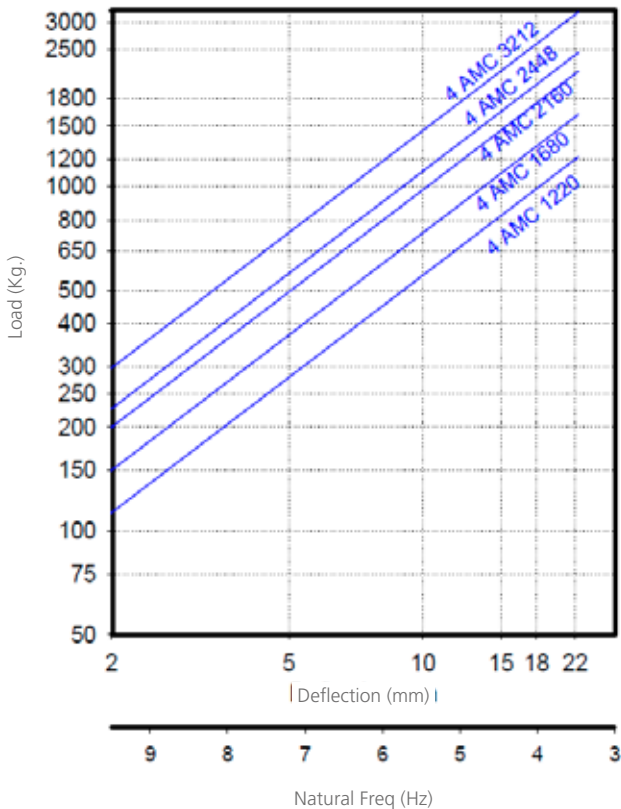
LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 1 AMC Antiseismic mount



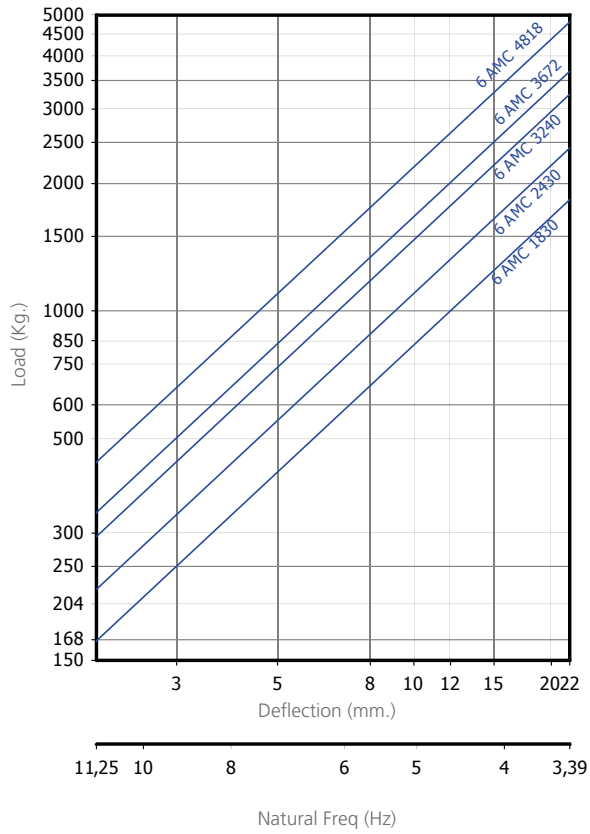
LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 2 AMC Antiseismic mount



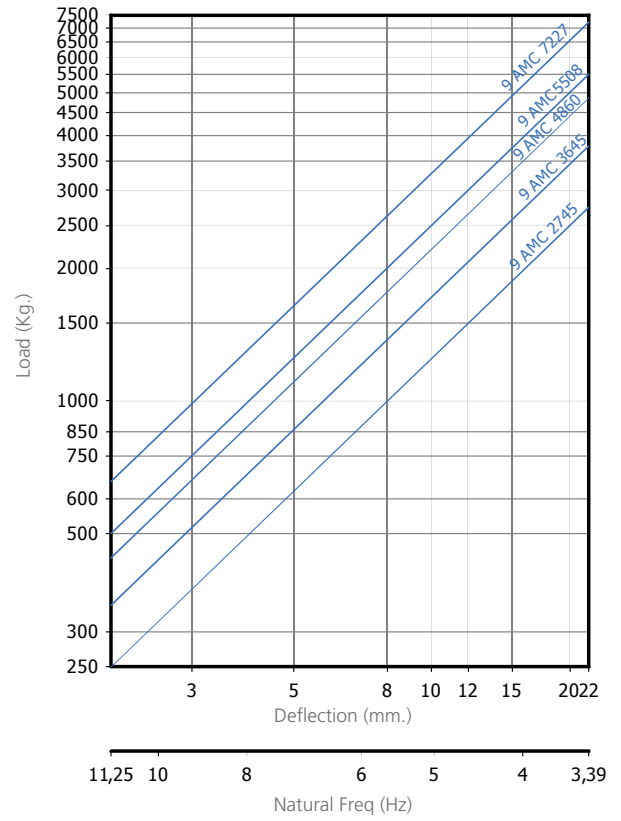
LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 4 AMC Antiseismic mount



LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 6 AMC Antiseismic mount

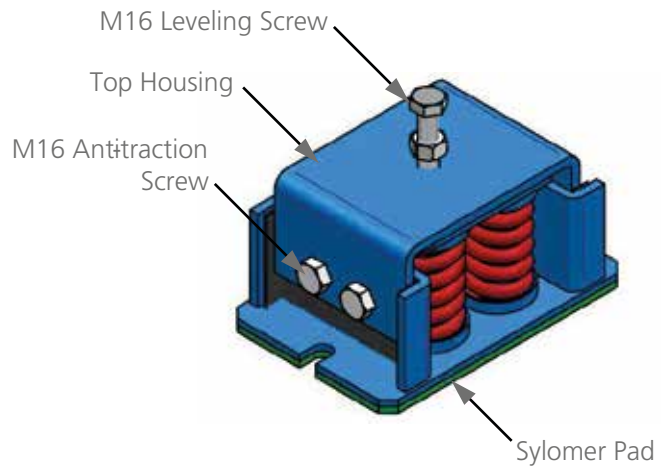
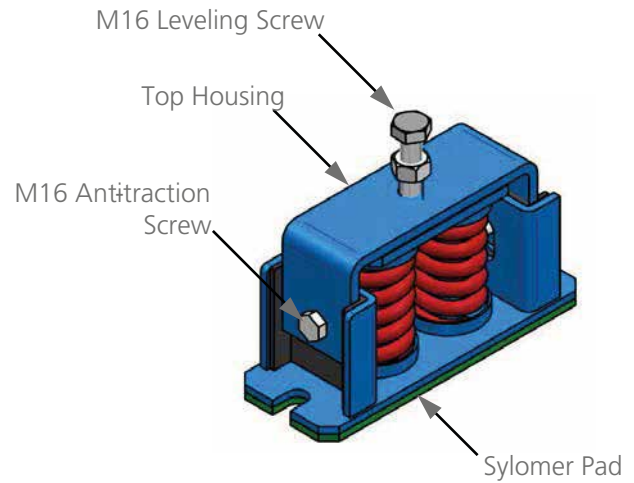


LOAD VS DEFLECTION DIAGRAM  
AMC-MECANOCAUCHO® 9 AMC Antiseismic mount



## ANTISEISMIC ASSEMBLY INSTRUCTIONS

- Elevate the equipment and place the mounts under the equipment.
- Coordinate the location of each mount, depending on the installation drawing or the positions recommended in the theoretical calculations.
- Lower the equipment and support it on the spring mounts, taking care not to overload any of the spring mounts.
- Turn the leveling screw clockwise on the lowest equipment corner until the equipment is level. Do not attempt to place all the weight on any one spring mount, but distribute the load proportionately.
- Continue to turn each leveling screw until the top load plate reaches operating height (see static deflection values of the theoretical calculations).
- Make sure that the M16 Anti-traction screws are correctly installed on both lateral sides of the spring mount. It is not necessary to apply any tighten torque on them.
- When the equipment is completely installed and operating, tighten each M16 nut of the leveling screw.
- Do not attempt to move the isolators laterally with the weight of the equipment on them, in order to avoid any bend or brake of the spring mount housing or slippage of the Sylomer® pad and the bottom housing.



## OTHER AMC PRODUCTS

### AMC-MECANOCAUCHO® ANTI VIBRATION MOUNTINGS

The solution against noise and vibration.



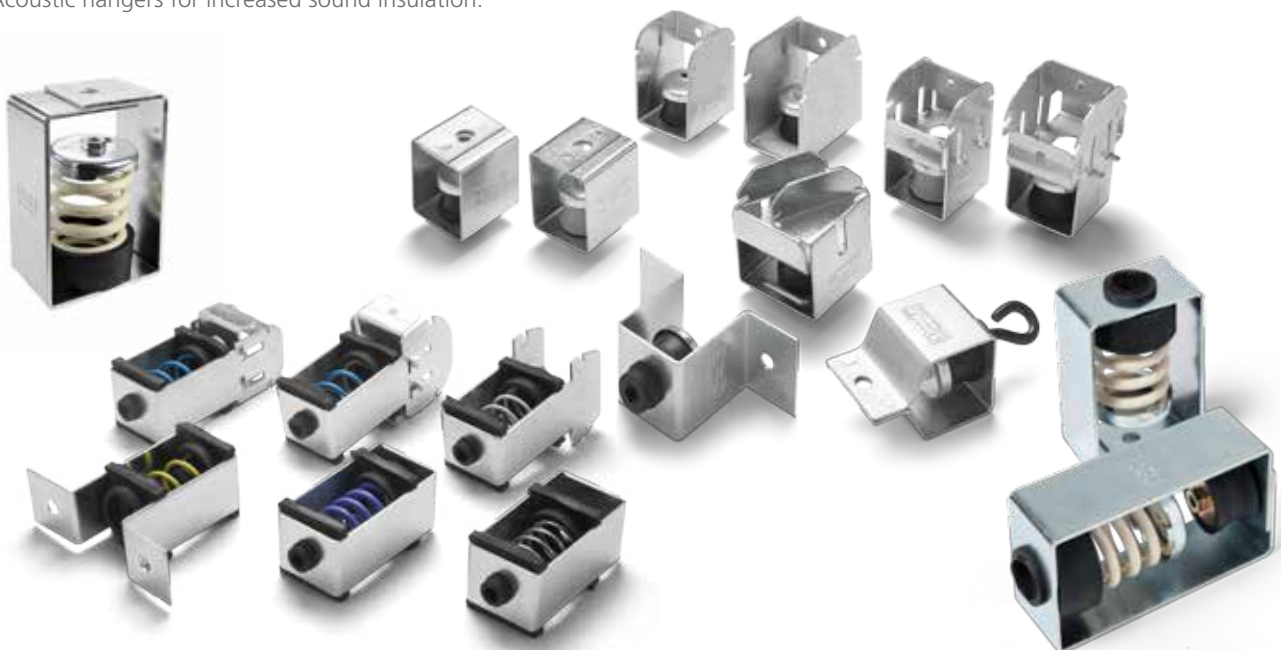
Machinery, which, by virtue of its design has reciprocating or rotating parts, creates vibration to some degree through imbalance of the moving parts.

It's necessary an **antivibration mounting** because this vibration produced by a machine leads to different problems, such as a reduction in the machine's useful life through part wear, plus the transmission of this vibration to other

noninsulated adjacent structures, giving rise to problems of noise and vibration transmission. For more than 45 years, AMC MECANOCAUCHO® has been developing the "AMC MECANOCAUCHO®" range of **anti vibration mountings** which can solve problems like the ones described above in all types of machinery, mobile or static, thus protecting people and the environment from the harmful effects of noise and vibration.

## AKUSTIK

Acoustic hangers for increased sound insulation.



**Acoustic hangers** are elastic elements used mostly for **ceiling suspension** in order to achieve an vibration and noise insulation. There is a wide range of **acoustic hangers**, that can be used not only for ceiling suspension but also

for **machinery vibration isolation** like air conditions units ventilators, pipe suspension etc. The elastic suspension of different elements in ceilings avoid the propagation of vibration and structural born noise from one floor to the other.

## OTHER AMC PRODUCTS

### AKUSTIK + by getzner **sylomer®**

New range of acoustic hangers for increased sound insulation.

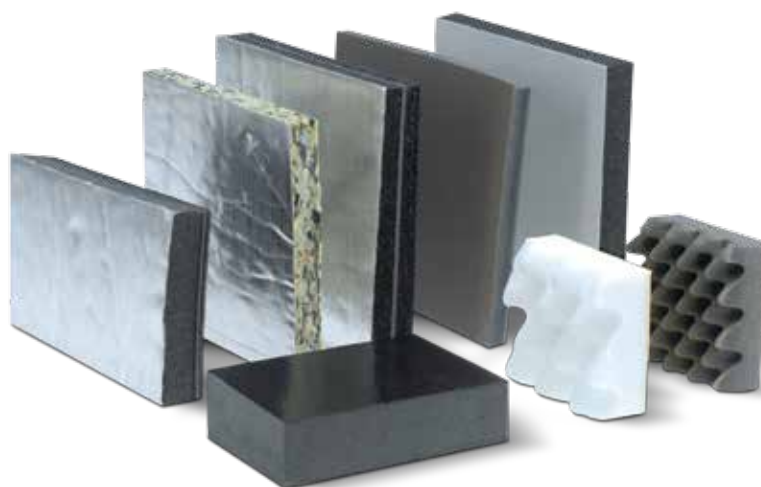


**Akustik+Sylomer®** is the trademark of a new product range of acoustic hangers. **Acoustic suspended ceilings** are an excellent way of preventing airborne noise from below passing into the ceiling structure, or preventing noise/

vibration from the floor above entering the room below. Sylomer® is a well known elastomer that can give the extra isolation that can make the difference in the **acoustic isolation** of the room.

## AKUSTIKABSORBER

Soundproofing composites



The **Akustikabsorber** is an AMC-MECANOCAUCHO® product. These products are designed to absorb and attenuate noise generated by machinery in general.

# AMC MECANOCAUCHO® ONLINE CALCULATION SOFTWARE

TRAINING WILL BE PROVIDED BY OUR APPLICATION ENGINEERS.

**Total Center of Gravity**

| Xcdg (mm.) | Ycdg (mm.) | Total Mass |
|------------|------------|------------|
| 860,0000   | 500,0000   | 700,00 Kg. |

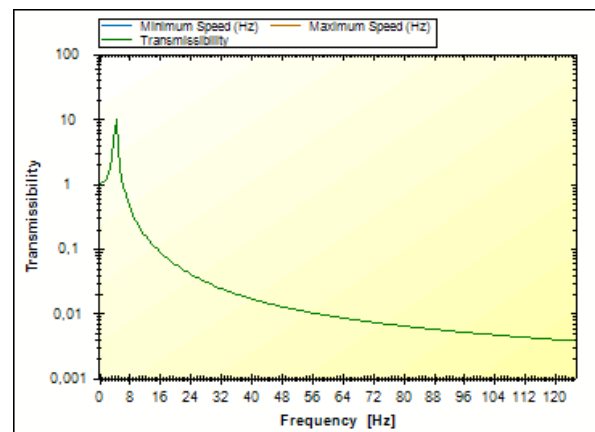
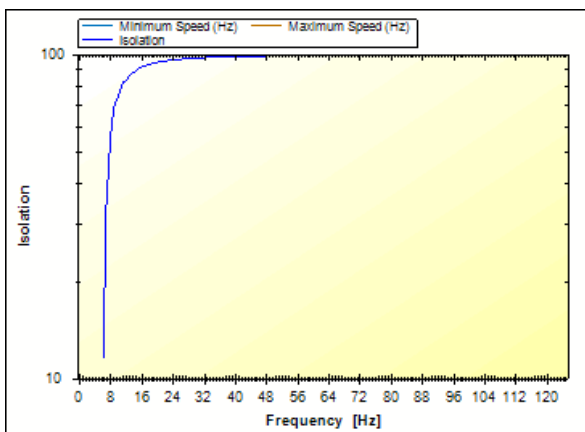
**System Loads**

| Name | x | y | m |
|------|---|---|---|
|      |   |   |   |



AMC MECANOCAUCHO® TECHNICAL SUPPORT

| Nº | Code  | Description        | k (N/mm.) | X (mm.) | Y (mm.) | F (Kg.) | s (mm.) | % MAX. |
|----|-------|--------------------|-----------|---------|---------|---------|---------|--------|
| 1  | 20373 | 1 AMC 250+Sylomer® | 84,60     | 0,00    | 0,00    | 116,67  | 13,60   | 46,67  |
| 2  | 20373 | 1 AMC 250+Sylomer® | 84,60     | 860     | 0,00    | 116,67  | 13,60   | 46,67  |
| 3  | 20373 | 1 AMC 250+Sylomer® | 84,60     | 1720,00 | 0,00    | 116,67  | 13,60   | 46,67  |
| 4  | 20373 | 1 AMC 250+Sylomer® | 84,60     | 1720,00 | 1000,00 | 116,67  | 13,60   | 46,67  |
| 5  | 20373 | 1 AMC 250+Sylomer® | 84,60     | 860     | 1000,00 | 116,67  | 13,60   | 46,67  |
| 6  | 20373 | 1 AMC 250+Sylomer® | 84,60     | 00      | 1000,00 | 116,67  | 13,60   | 46,67  |



Isolation % for the order 1,00 at 1.500,00 rpm 96,25 %

Do not hesitate to ask us for login details at [sales@amcsa.es](mailto:sales@amcsa.es)



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[www.akustik.com](http://www.akustik.com)