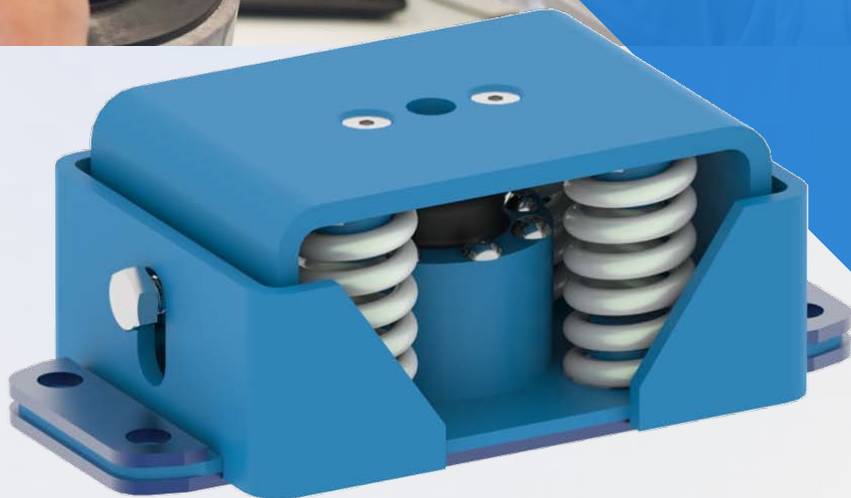




ANTISEISMIC VISCO
AMC MECANOCAUCHO®



AMC
MECANOCAUCHO

ANTI SEISMIC VISCO

DESCRIPTION

AMC-MECANOCAUCHO® antiseismic visco springs have been especially designed to combine the high isolation level provided by the springs as well as the stability provided by the viscous damper.

For good isolation, low damping is required. For motion control, high dampening is required. Those antiseismic viscoelastic springs accomodate these conflicting requirements. The fluid cavity is divided into two chambers with an orifice in between, so that motion of the springs causes fluid to flow from one chamber to the other, dissipating energy and thus creating damping in the system.

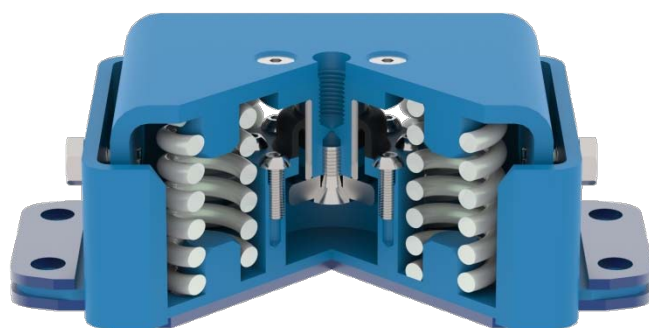
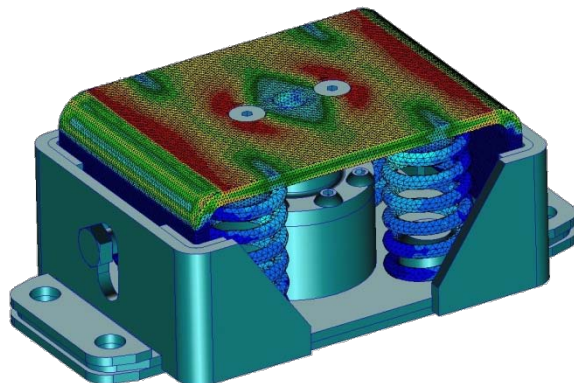
These mounts are particularly interesting for those installations that require a soft isolator for good isolation but still require motion control under transient (shock) inputs or when operating close to the isolation system's resonant frequency.

In order to improve their performance in seismic applications the technical department of AMC-MECANOCAUCHO® designed a new internal architecture to resist such environments.

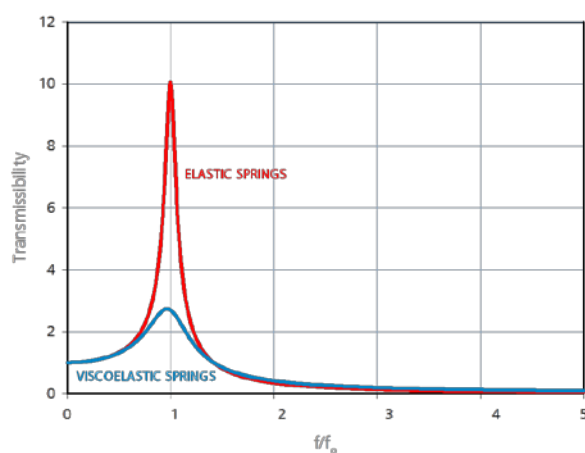
In addition to its resistance, these pieces offer the following advantages:

- Transport safety: They feature a locking device, so that they are locked during transport of the machine.
- Noise isolation structure: The Sylomer base insulates the mid and high frequencies thar are transmitted by the springs.

Viscoelastic seismic springs are availabe with five different springs, each of one provides a different load capacity.

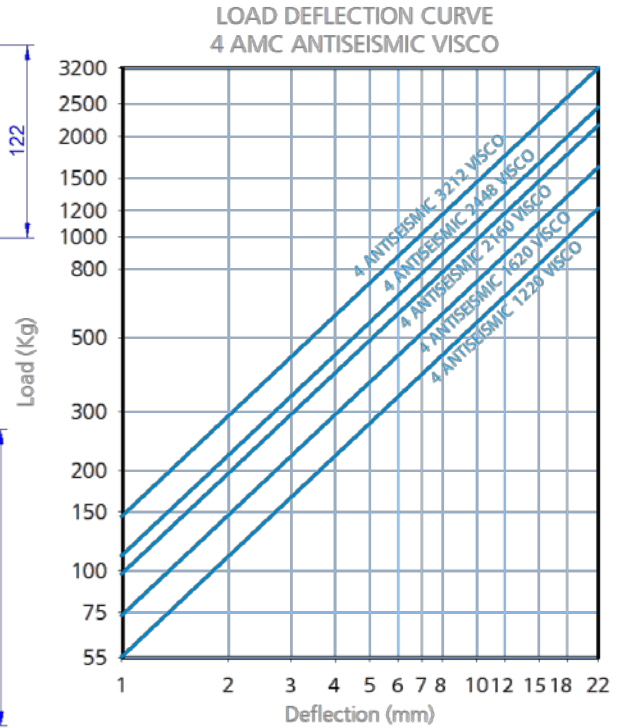
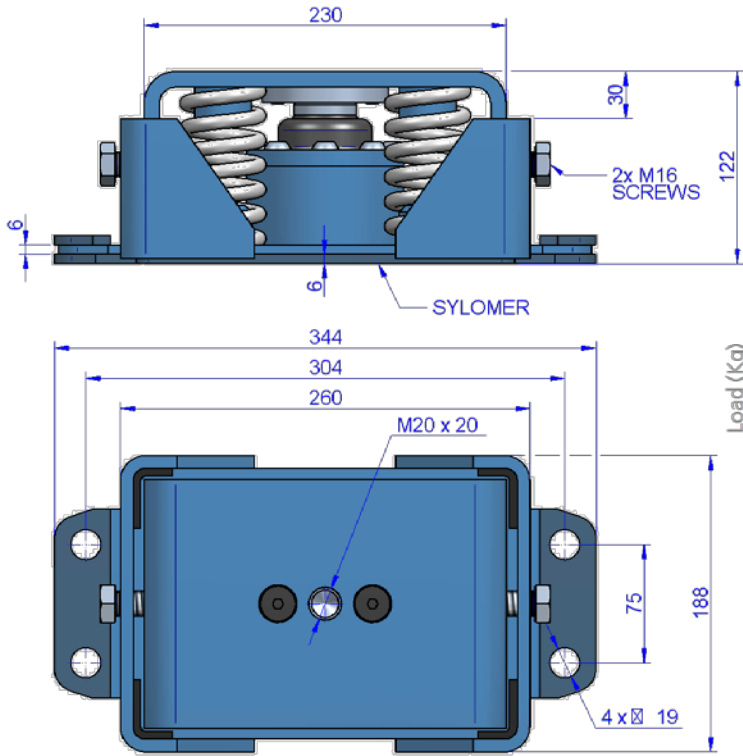


DYNAMIC BEHAVIOUR
TRANSMISSIBILITY CURVE

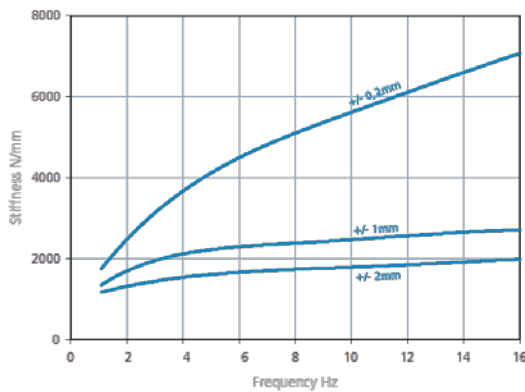


Code	Description	No. Springs	Spring colour	Max. Deflection (mm)	Max. Load (kg)
21256	4 AMC 1220 ANTISEISMIC VISCO	4	PURPLE	22	1220
21255	4 AMC 1620 ANTISEISMIC VISCO	4	GREEN	22	1620
21257	4 AMC 2160 ANTISEISMIC VISCO	4	GREY	22	2160
21258	4 AMC 2448 ANTISEISMIC VISCO	4	WHITE	22	2448
21259	4 AMC 3212 ANTISEISMIC VISCO	4	RED	22	3212

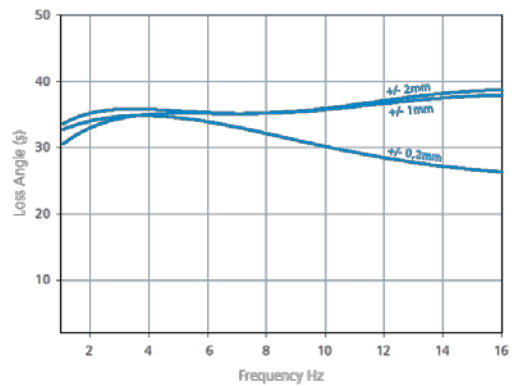
TECHNICAL CHARACTERISTICS



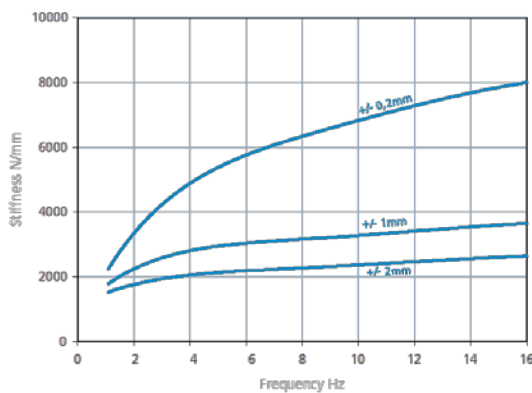
DYNAMIC BEHAVIOUR
4 AMC 1220 ANTISEISMIC VISCO



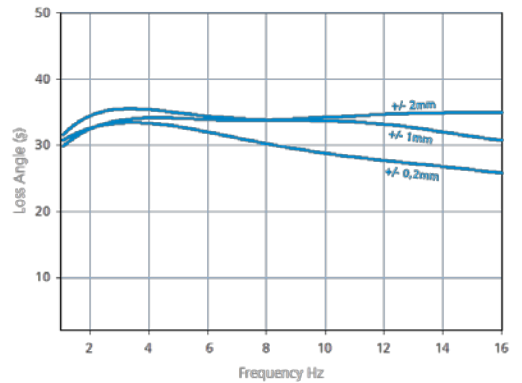
DYNAMIC BEHAVIOUR
4 AMC 1220 ANTISEISMIC VISCO



DYNAMIC BEHAVIOUR
4 AMC 1620 ANTISEISMIC VISCO



DYNAMIC BEHAVIOUR
4 AMC 1620 ANTISEISMIC VISCO



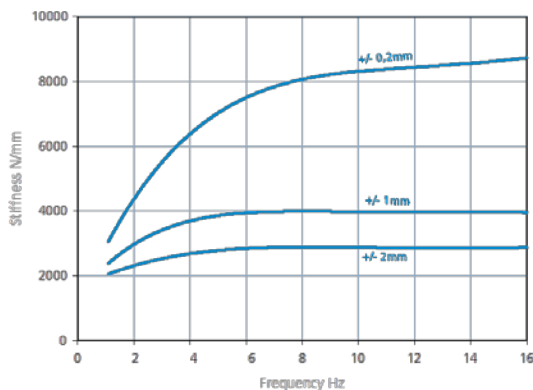
1220

1620

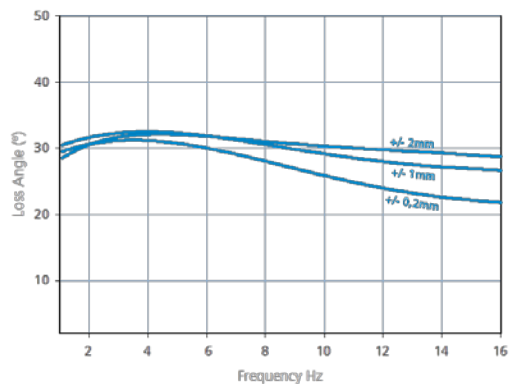
TECHNICAL CHARACTERISTICS

2160

DYNAMIC BEHAVIOUR
4 AMC 2160 ANTISEISMIC VISCO

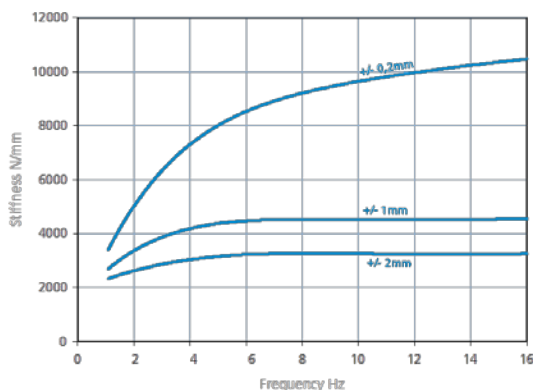


DYNAMIC BEHAVIOUR
4 AMC 2160 ANTISEISMIC VISCO

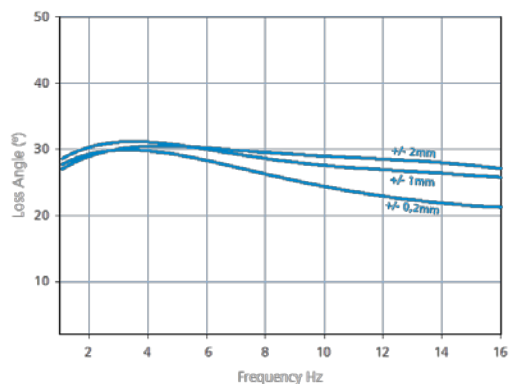


2448

DYNAMIC BEHAVIOUR
4 AMC 2448 ANTISEISMIC VISCO

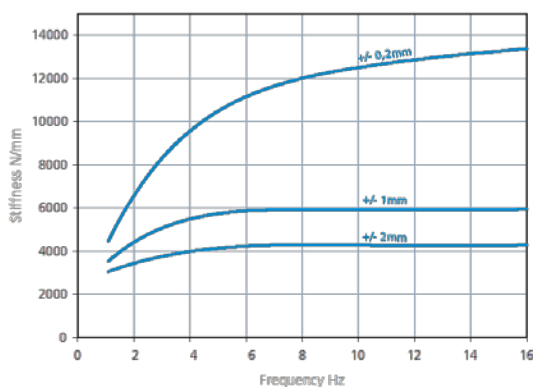


DYNAMIC BEHAVIOUR
4 AMC 2448 ANTISEISMIC VISCO

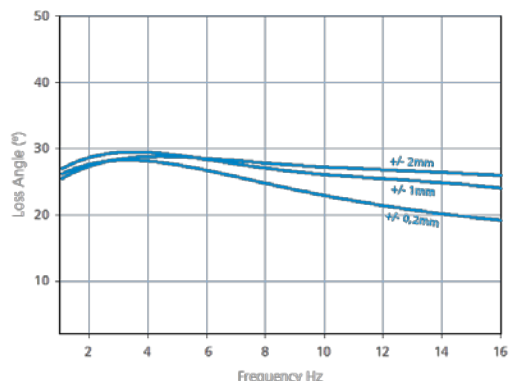


3212

DYNAMIC BEHAVIOUR
4 AMC 3212 ANTISEISMIC VISCO

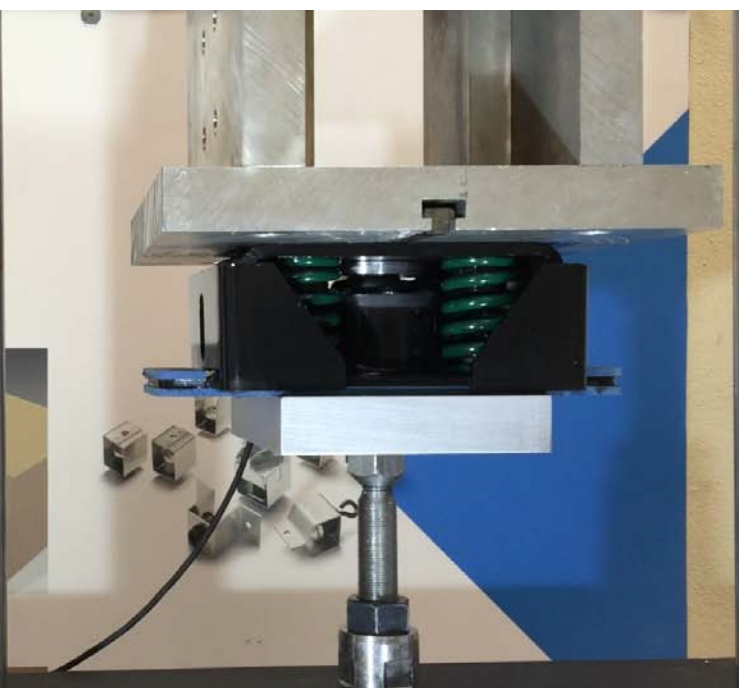


DYNAMIC BEHAVIOUR
4 AMC 3212 ANTISEISMIC VISCO



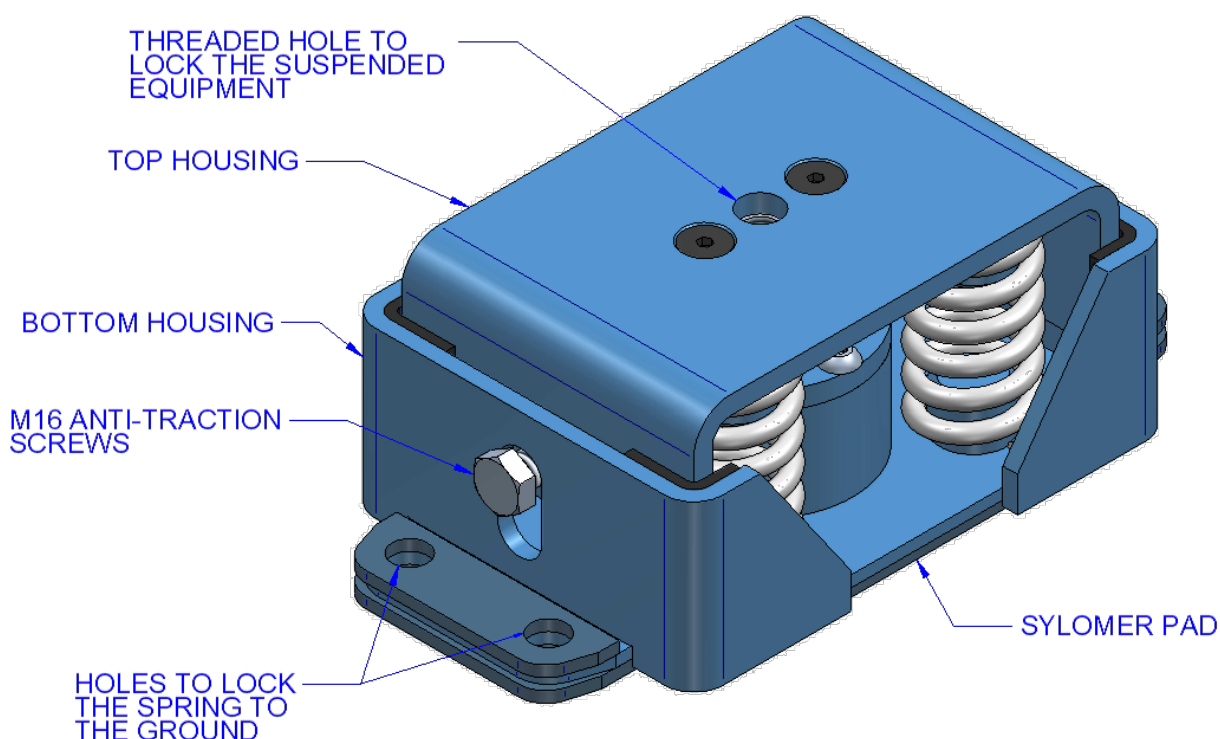
CALCULATION, DESIGN, MANUFACTURING, TESTING

Those antiseismic viscoelastic springs have been calculated, designed, manufactured and tested with the most advanced technology, in order to assure the quality and the optimum performance of the support during operation.



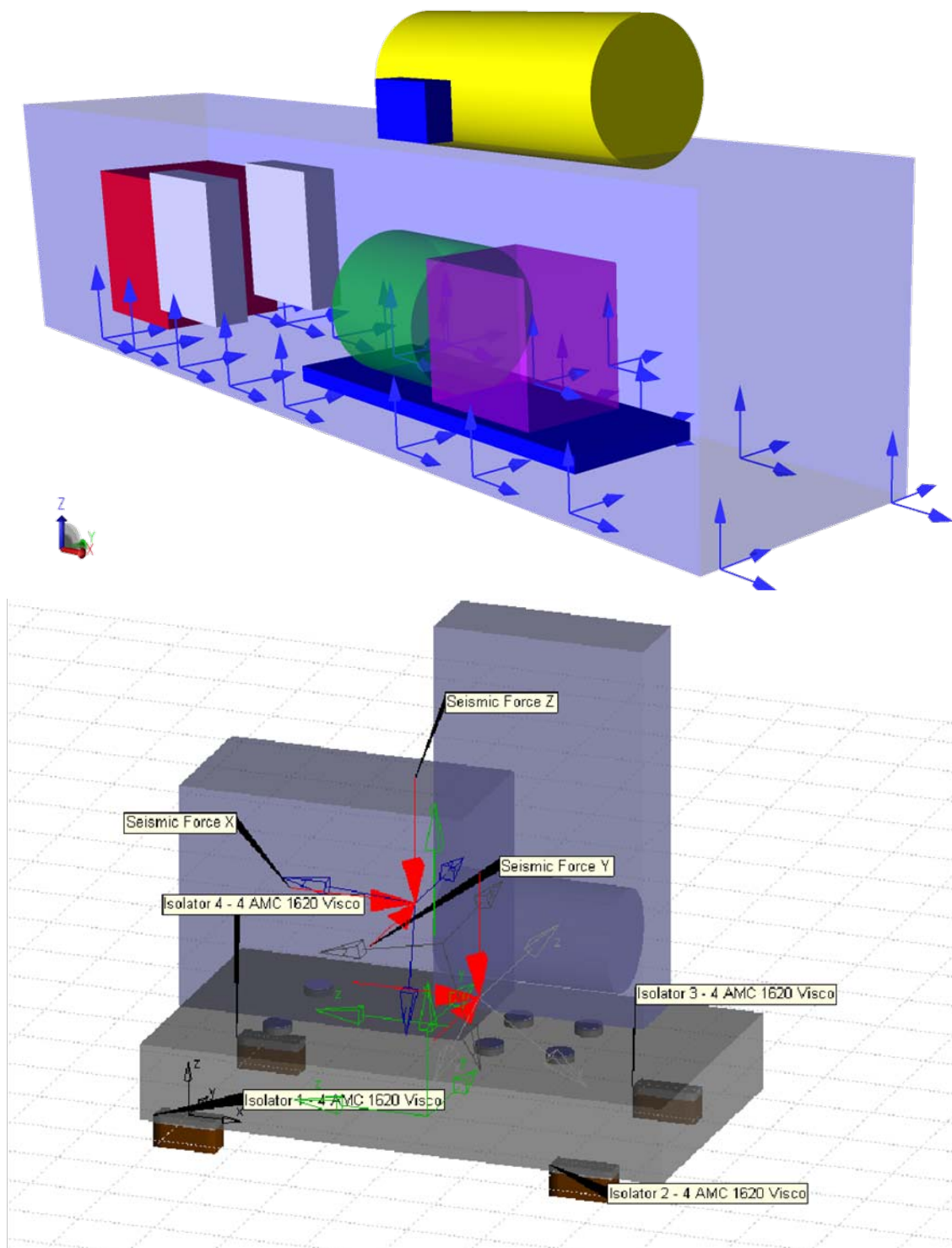
INSTALLATION

- 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.
- 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 tightening torque on them.
- Fix the antiseismic spring to the ground using the bottom lateral holes.
- 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. If it is necessary to move the equipment, remove the weight from the isolators by raising the equipment before moving.



AMC-ENGINEERING SERVICES

AMC-MECANOCAUCHO® calculates the optimum solution for each customer, taking into account data such as weight, mount positions, type of machine, Center of Gravity, frequency of excitation, etc.





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