# 4 AMC Anti-Seismic Spring Isolators

## Four-spring anti-seismic vibration isolators designed for high loads, with low-frequency vibration isolation and integrated seismic restraints.

**AMC-MECANOCAUCHO® 4 AMC Anti-Seismic Spring Isolators** incorporate **four high-deflection steel springs**, allowing them to support **high loads** while providing effective low-frequency vibration isolation.

The four-spring configuration increases the **load capacity** while maintaining the vertical flexibility required to achieve a **low natural frequency** and reduce the transmission of vibration from the machine to the supporting structure.

Under normal operating conditions, the springs have the freedom of movement required for effective vibration isolation. Under exceptional or seismic loads, an **integrated seismic restraint system** limits excessive equipment movement and helps maintain its mechanical integrity.

This design is particularly suitable for **heavy equipment incorporating moving or rotating components**, including **fans, pumps, compressors, refrigeration units, generator sets, and HVAC equipment**, where **high load capacity, low-frequency vibration isolation, and seismic protection** are required.

**AMC MECANOCAUCHO**
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

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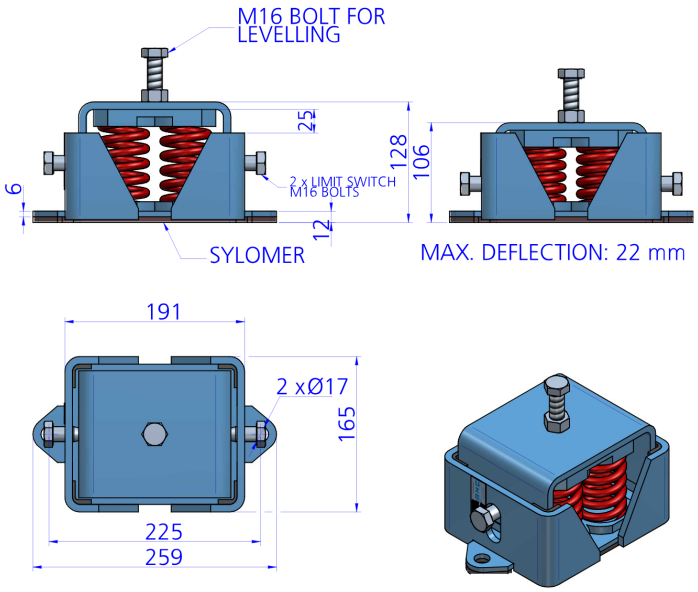
# Drawings

## 4 AMC ANTI-SEISMIC + SYLOMER




| Type | Code | No. Springs | Spring color | Max. Load (lbs) | Deflection(in) | K(N/mm) | Weight(lbs) |
|---|---|---|---|---|---|---|---|
| 4 AMC ANTI-SEISMIC + SYLOMER | 20680 | 4 | YELLOW | 1763 | 0.87 | 369 | 23 |
| | 20686 | 4 | PURPLE | 2689 | 0.87 | 582 | 23 |
| | 20687 | 4 | GREEN | 3570 | 0.87 | 662 | 24 |
| | 20688 | 4 | GREY | 4761 | 0.87 | 1018 | 24 |
| | 20689 | 4 | WHITE | 5395 | 0.87 | 1134 | 24 |
| | 20690 | 4 | RED | 7079 | 0.87 | 1567 | 26 |

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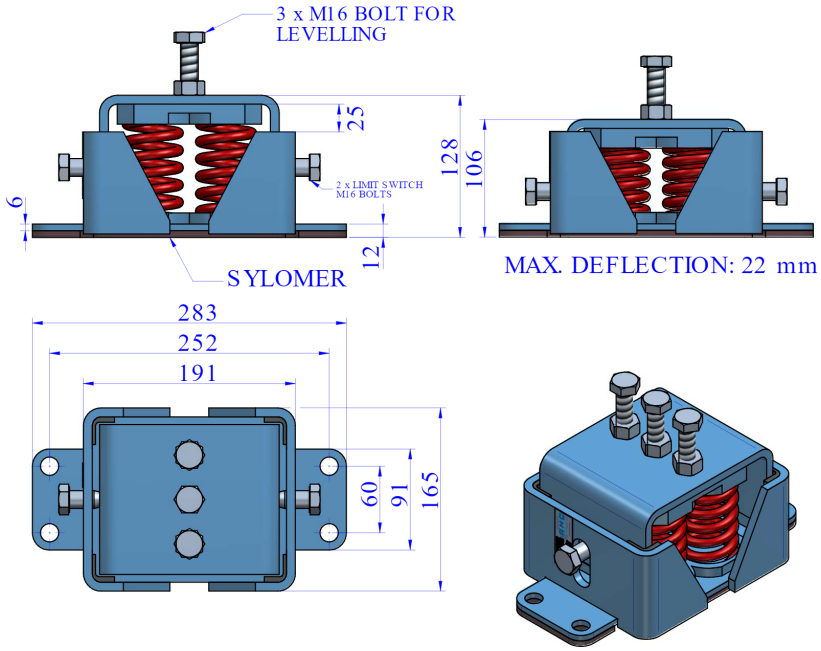
## 4 AMC ANTI-SEISMIC + SYLOMER 4 Holes




| Type | Code | Spring color | No. Springs | Max. Load (lbs) | Deflection(in) | K(N/mm) | Weight(lbs) |
|---|---|---|---|---|---|---|---|
| 4 AMC ANTI-SEISMIC + SYLOMER 4 Holes | 21524 | YELLOW | 4 | 1763 | 0.87 | 369 | 25 |
| | 21525 | PURPLE | 4 | 2689 | 0.87 | 582 | 24 |
| | 21526 | GREEN | 4 | 3570 | 0.87 | 662 | 25 |
| | 21527 | GREY | 4 | 4761 | 0.87 | 1018 | 26 |
| | 21528 | WHITE | 4 | 5395 | 0.87 | 1134 | 25 |
| | 21529 | RED | 4 | 7079 | 0.87 | 1567 | 26 |

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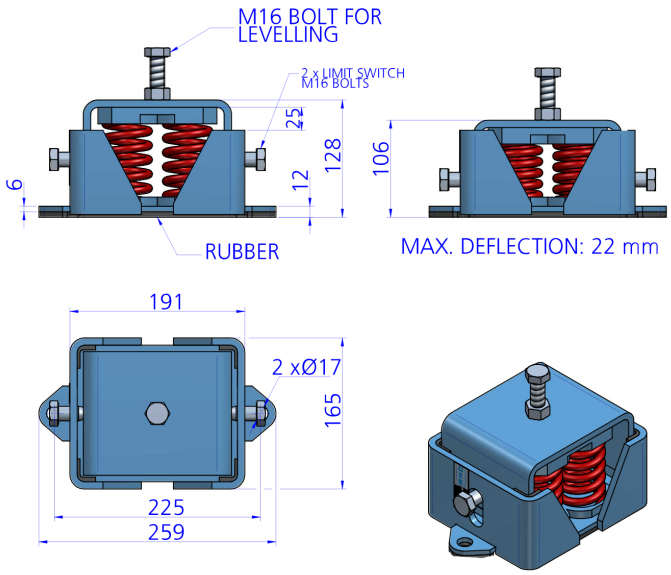
## 4 AMC ANTI-SEISMIC




| Type | Code | No. Springs | Spring color | Max. Load (lbs) | Deflection(in) | K(N/mm) | Weight(lbs) |
|---|---|---|---|---|---|---|---|
| 4 AMC ANTI-SEISMIC | 20679 | 4 | YELLOW | 1763 | 0.87 | 369 | 24 |
| | 20700 | 4 | PURPLE | 2689 | 0.87 | 582 | 24 |
| | 20696 | 4 | GREEN | 3570 | 0.87 | 662 | 24 |
| | 20697 | 4 | GREY | 4761 | 0.87 | 1018 | 24 |
| | 20698 | 4 | WHITE | 5395 | 0.87 | 1134 | 24 |
| | 20699 | 4 | RED | 7079 | 0.87 | 1567 | 26 |

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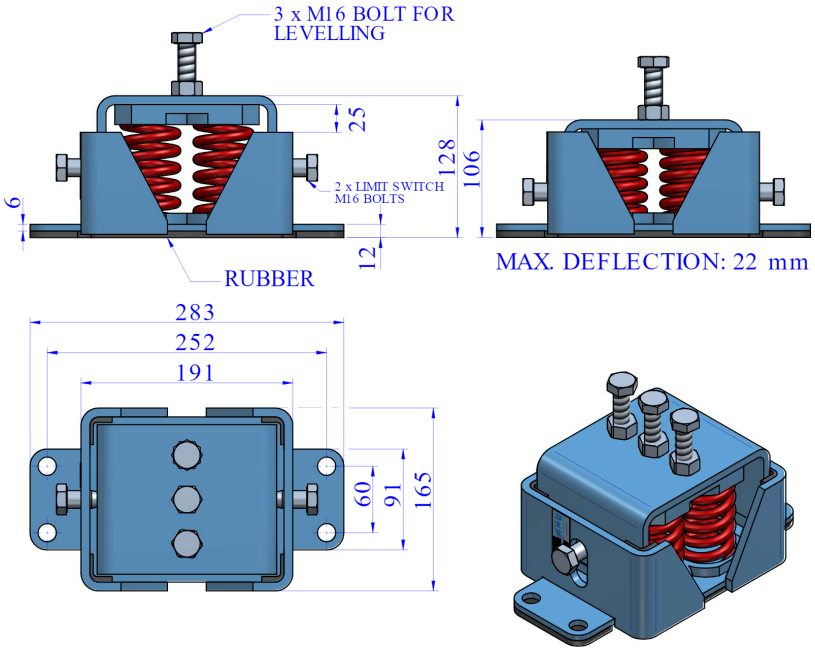
## 4 AMC ANTI-SEISMIC 4 Holes




| Type | Code | Spring color | No. Springs | Max. Load (lbs) | Deflection(in) | K(N/mm) | Weight(lbs) |
|---|---|---|---|---|---|---|---|
| 4 AMC ANTI-SEISMIC 4 Holes | 21530 | YELLOW | 4 | 1763 | 0.87 | 369 | 25 |
| | 21531 | PURPLE | 4 | 2689 | 0.87 | 582 | 25 |
| | 21532 | GREEN | 4 | 3570 | 0.87 | 662 | 25 |
| | 21533 | GREY | 4 | 4761 | 0.87 | 1018 | 25 |
| | 21534 | WHITE | 4 | 5395 | 0.87 | 1134 | 25 |
| | 21535 | RED | 4 | 7079 | 0.87 | 1567 | 25 |

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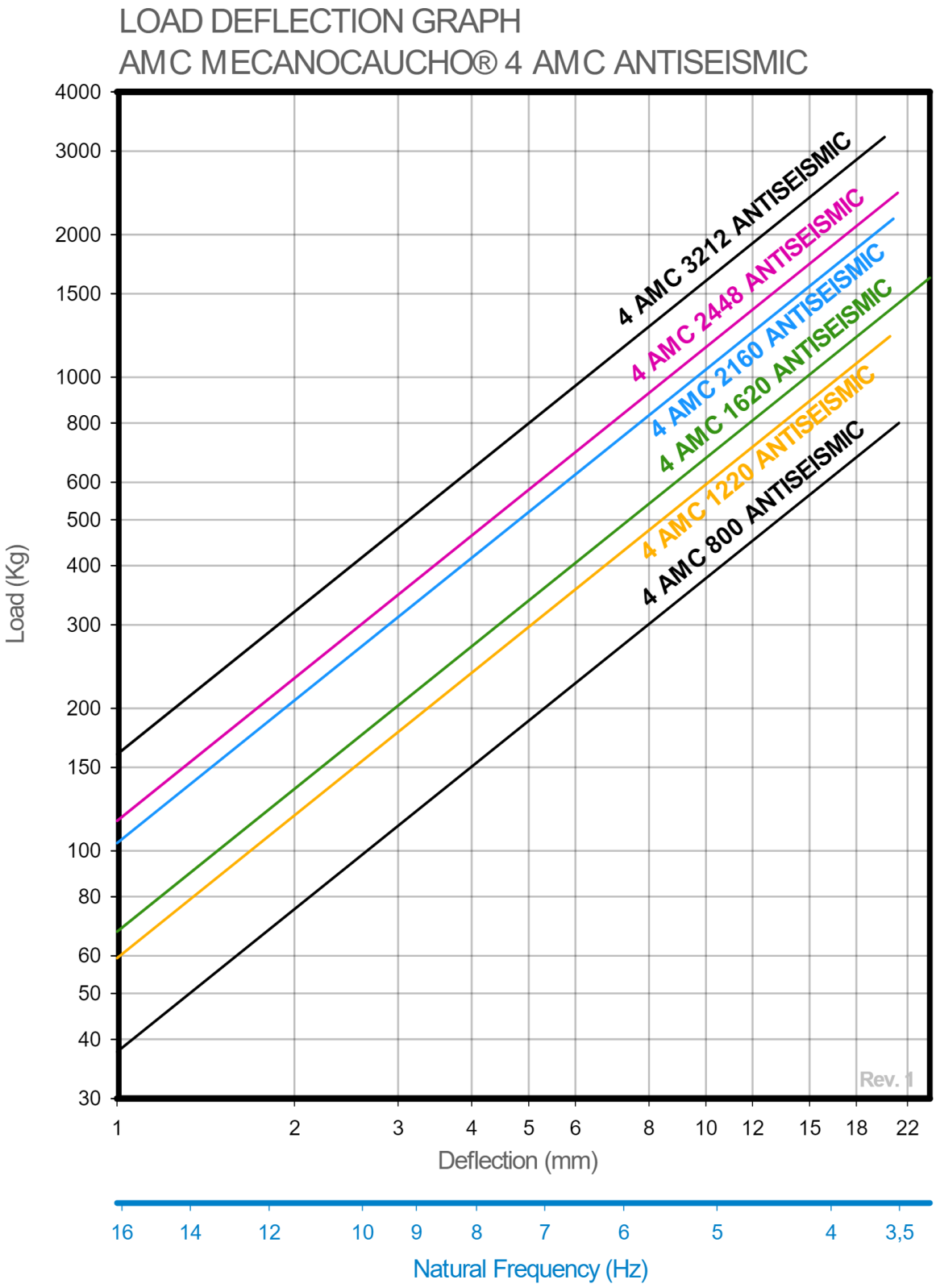
## Elastic properties



## Advantages

### Easy installation

This mount requires no major modifications to the structure for installation.

### Improved isolation

It offers improved isolation compared to conventional anti-vibration mounts of similar geometry.

### Mount offering high stability

Suspensions built with this mount barely move, thanks to a geometry designed to control the movement of the suspended element.

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