# 4V-SR Anti-Seismic Spring Isolator

## Four-spring anti-seismic isolator for high loads, with low-frequency vibration isolation, integrated seismic restraint, and Sylomer® layer.

The **AMC-MECANOCAUCHO® 4V-SR Anti-Seismic Spring Isolator** incorporates **four high-deflection steel springs** and is designed for equipment requiring **high load capacity**, **effective low-frequency vibration isolation**, and mechanical protection under seismic conditions.

The four-spring configuration provides a **high load capacity** while maintaining a **low natural frequency**, effectively reducing the transmission of vibration from the equipment to the supporting structure.

A **Sylomer® layer** complements the springs by reducing the transmission of **mid- and high-frequency vibration** that may propagate through the steel springs. The combination of **springs + Sylomer®** therefore extends the effective vibration isolation range.

The spring isolator also incorporates an **integrated leveling system** for precise equipment height adjustment and an **anti-slip rubber base**.

Under exceptional or seismic loads, the **integrated seismic restraint system** limits excessive equipment movement while allowing the movement required for effective vibration isolation under normal operating conditions.

The 4V-SR range is particularly suitable for **HVAC equipment, refrigeration units, pumps, fans, compressors, generator sets, and other heavy mechanical equipment**.

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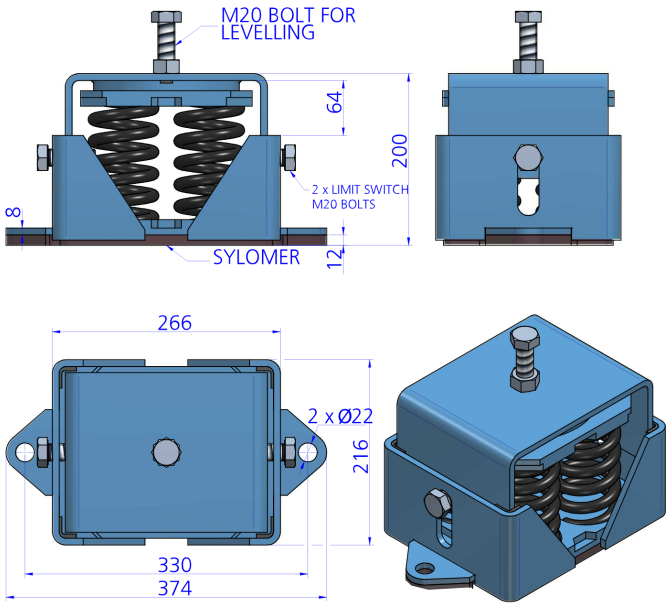
# Drawings

## 4V-SR ANTI SEISMIC + SYLOMER




| Type | Code | Max. Load(lbs) | Spring color | K(N/mm) | Weight(lbs) |
|---|---|---|---|---|---|
| 4V-SR ANTI SEISMIC + SYLOMER | 21344 | 1763 | BLACK | 256 | 52 |
| | 21345 | 3526 | BLACK | 535 | 54 |
| | 21141 | 5730 | BLACK | 724 | 52 |
| | 21142 | 7053 | BLACK | 1150 | 53 |
| | 21143 | 8816 | BLACK | 1404 | 61 |
| | 21144 | 10579 | BLACK | 2013 | 56 |

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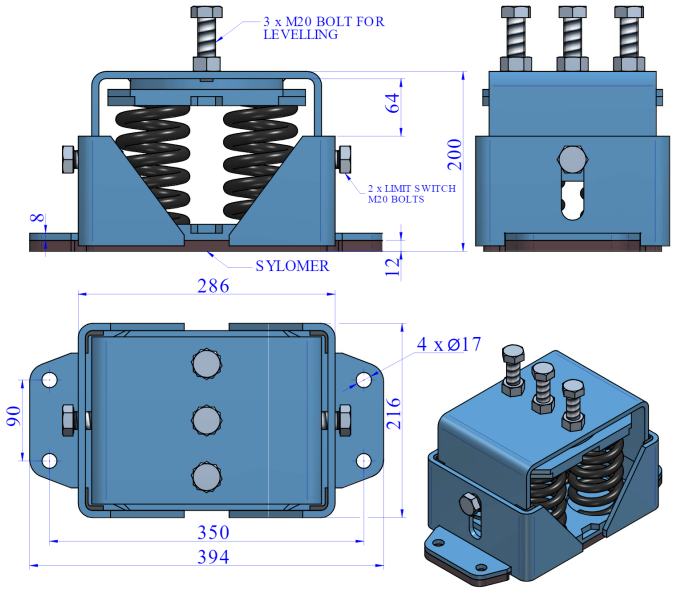
# 4V-SR ANTI SEISMIC + SYLOMER 4 Holes




| Type | Code | Spring color | Max. Load(lbs) | K(N/mm) | Weight(lbs) |
|---|---|---|---|---|---|
| 4V-SR ANTI SEISMIC + SYLOMER 4 Holes | 21562 | BLACK | 1763 | 256 | 66 |
| | 21563 | BLACK | 3526 | 535 | 69 |
| | 21564 | BLACK | 5730 | 724 | 76 |
| | 21565 | BLACK | 7053 | 1150 | 76 |
| | 21566 | BLACK | 8816 | 1404 | 80 |
| | 21567 | BLACK | 10579 | 2013 | 81 |

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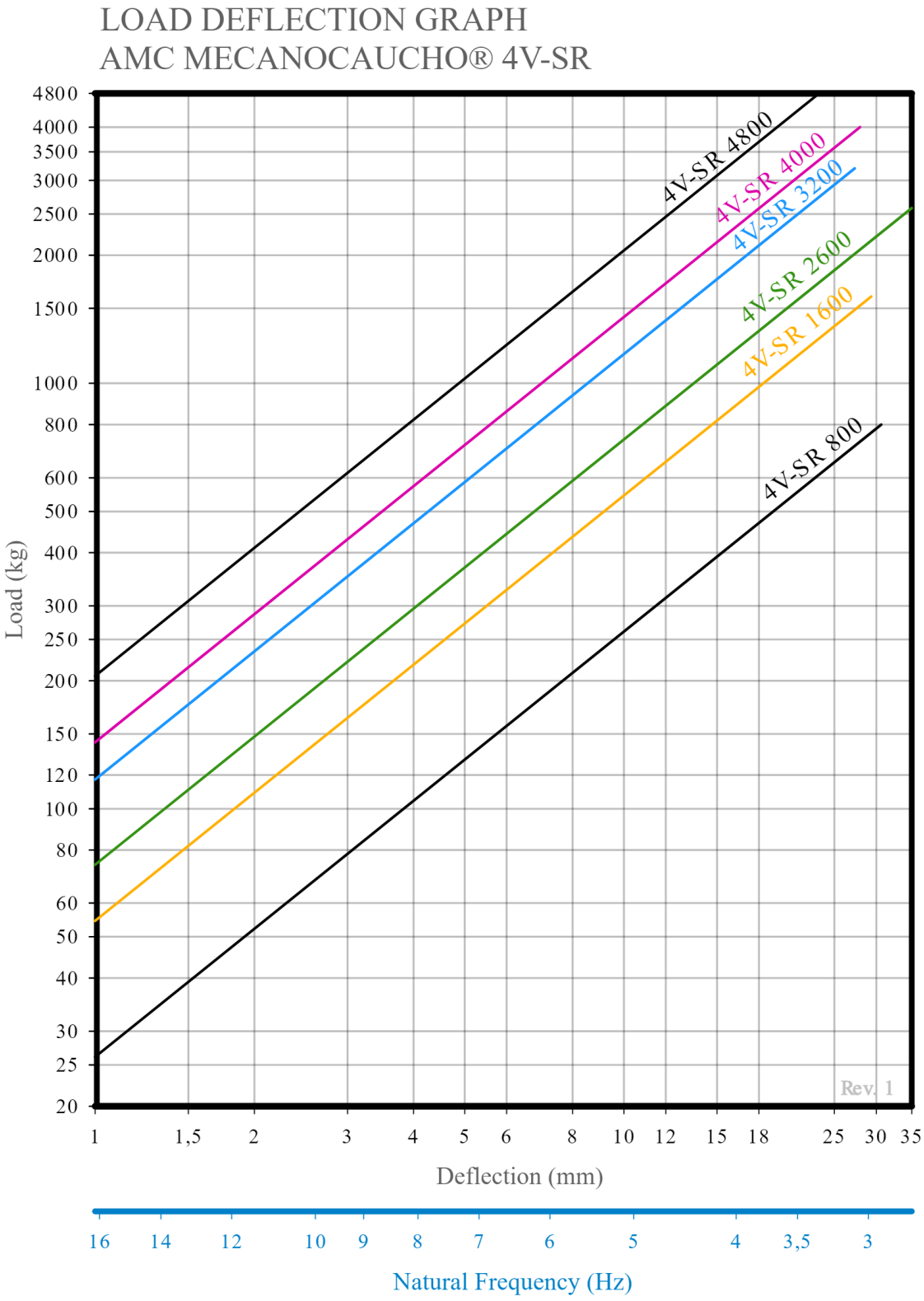
## Elastic properties

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## Technical characteristics

The mounts are able to reach low natural frequencies from 3 to 5 Hz. The spring combined with Sylomer® is able to provide high isolation at low-medium-high frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring. Working range temperature from -30°C to +70°C. Short term higher temperatures are possible.

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