# 1 AMC DB Spring mount

## Spring mount with upper and lower Sylomer® layers, designed for broadband vibration isolation and acoustic floating floors.

The **AMC-MECANOCAUCHO® 1 AMC DB Spring mount** is designed for the **vibration isolation of machinery, equipment and floating floors**, combining a steel spring with **Sylomer® layers positioned above and below the isolator**.

The **highly elastic steel spring** provides effective low-frequency vibration isolation. The **Sylomer® layers** complement the spring by reducing the transmission of **mid and high frequencies that may propagate through the steel spring**, providing effective vibration isolation over a **broader frequency range**.

Sylomer® on both contact surfaces also provides **elastic decoupling** between the isolator and the adjoining surfaces. This configuration is particularly suitable for **acoustic floating floors, inertia bases, HVAC equipment and machinery** requiring effective isolation of structure-borne noise and vibration.

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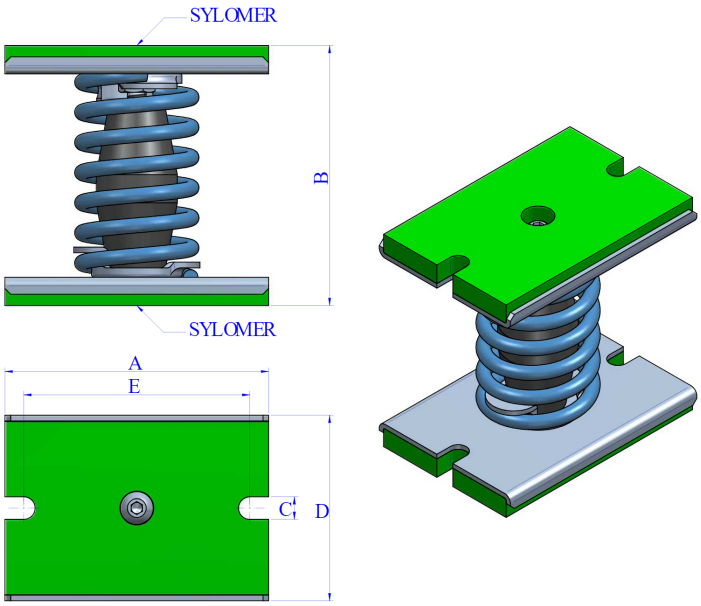
# Drawings

## 1 AMC + DB Sylomer®




| Type | Code | Spring color | Max. Load (kg) | K(N/mm) | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 AMC + DB Sylomer® | 20459 | BLUE | 150 | 52 | 140 | 138 | 12 | 98,5 | 120 | 1.59 |
| | 20520 | WHITE | 200 | 66 | 140 | 138 | 12 | 98,5 | 120 | 1.63 |
| | 20460 | BLACK | 250 | 83 | 140 | 138 | 12 | 98,5 | 120 | 1.66 |
| | 20538 | CREAM | 350 | 114 | 140 | 138 | 12 | 98,5 | 120 | 1.84 |
| | 20433 | LIGHT GREY | 500 | 268 | 140 | 138 | 12 | 98,5 | 120 | 2.1 |
| | 20429 | GREEN | 750 | 407 | 140 | 138 | 12 | 98,5 | 120 | 2.86 |

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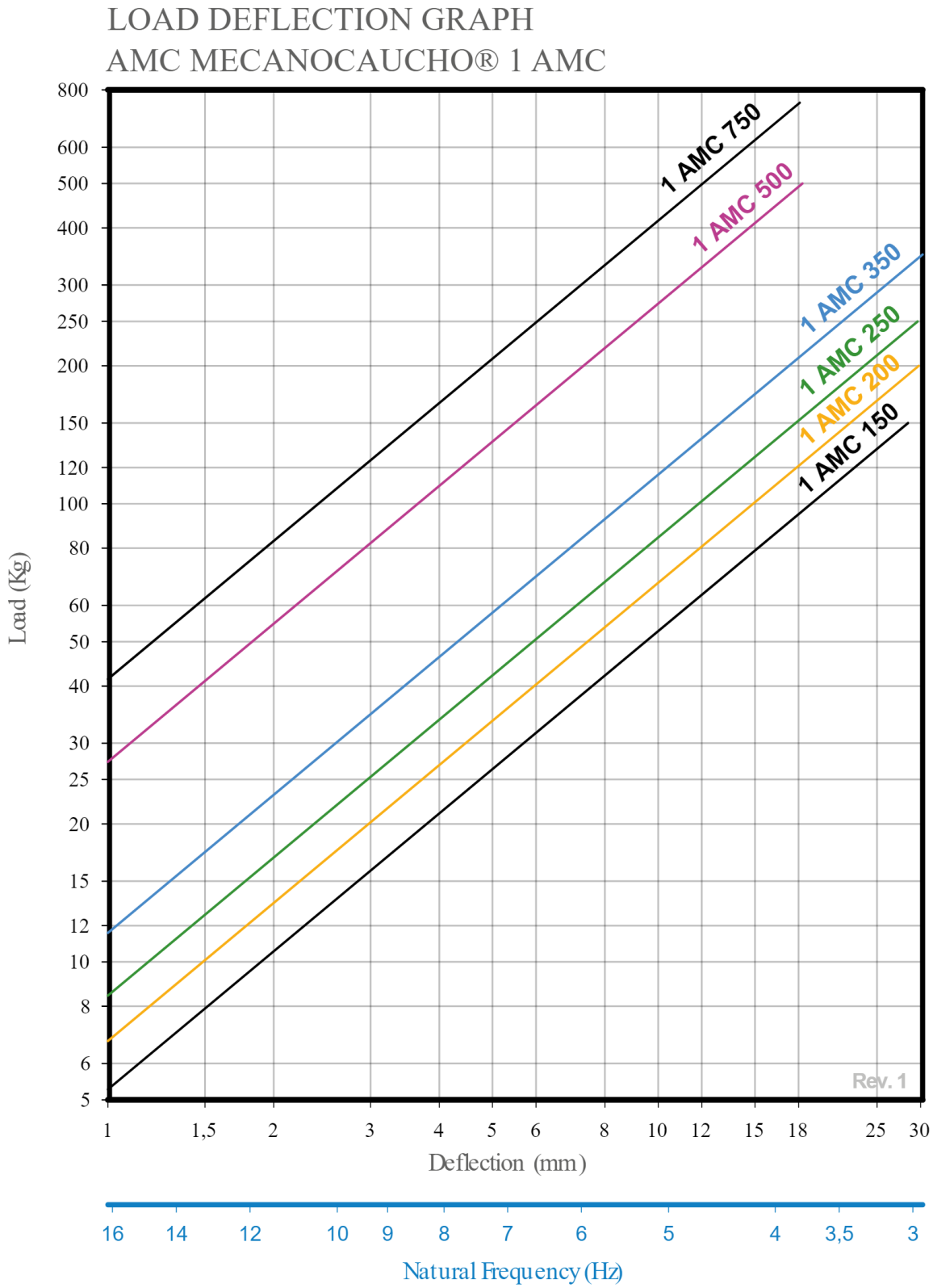
## Elastic properties

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## Technical characteristics

- Steel spring for effective isolation of low-frequency vibrations.
- Upper and lower **Sylomer® layers** for additional isolation in the mid- and high-frequency range.
- Double elastic decoupling between the spring mount and the adjoining surfaces.
- Suitable for **machinery, HVAC equipment, inertia bases and acoustic floating floors**.
- The combination of **steel spring and Sylomer®** provides effective vibration isolation over a broad frequency range.

## Advantages

### Easy Installation

This mount requires minimal structural modifications, making installation quick and straightforward.

### Improved isolation

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

### Incorporates Sylomer® elastomer, highly effective for isolating both high and low frequencies

Sylomer® provides high isolation across a wide frequency range and is particularly effective at high frequencies, effectively eliminating the transmission of structure-borne noise.

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