# 1 AMC Spring Isolator

## Spring isolator for static installations, designed for machinery vibration isolation, with natural frequencies from 3.5 to 8 Hz and a rubber or Sylomer® base.



The **AMC-MECANOCAUCHO® 1 AMC Spring Isolator** is designed for the **vibration isolation of machinery and equipment incorporating rotating or reciprocating components**, which may generate dynamic forces and vibration during operation.

The **high elasticity of the steel spring** enables **natural frequencies from 3.5 to 8 Hz**, providing effective low-frequency vibration isolation and reducing the dynamic forces transmitted to the supporting structure.

Reducing vibration transmission helps **protect the machine and its components against dynamic stresses and fatigue**, while limiting the propagation of vibration and **structure-borne noise** to adjacent structures.

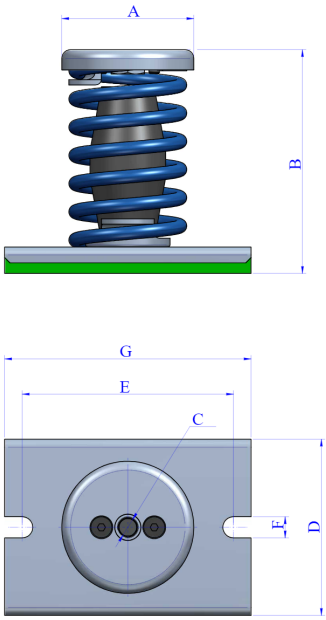
Depending on the configuration, the spring isolator can incorporate a **rubber or Sylomer® base**, improving decoupling from the supporting structure and further reducing the transmission of frequencies that may propagate through the steel spring.

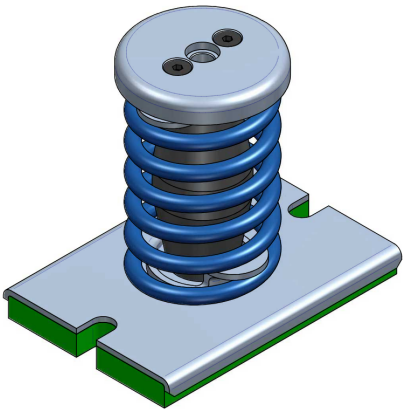
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# Drawings

## 1 AMC + Sylomer®



| Type | Code | Spring color | Max. Load (lbs) | K(N/mm) | A(in) | B(in) | C(in) | D(in) | E(in) | F(in) | G(in) | Weight(lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 AMC + Sylomer® | 20371 | BLUE | 331 | 52 | 2.95 | 5 | M-12 | 3.88 | 4.72 | 0.47 | 5.51 | 2 |
| | 20372 | WHITE | 441 | 66 | 2.95 | 5 | M-12 | 3.88 | 4.72 | 0.47 | 5.51 | 3 |
| | 20373 | BLACK | 551 | 83 | 2.95 | 5 | M-12 | 3.88 | 4.72 | 0.47 | 5.51 | 3 |
| | 20374 | CREAM | 771 | 114 | 2.95 | 5 | M-12 | 3.88 | 4.72 | 0.47 | 5.51 | 3 |
| | 20375 | LIGHT GREY | 1102 | 268 | 3.66 | 5 | M-14 | 3.88 | 4.72 | 0.47 | 5.51 | 6 |
| | 20376 | GREEN | 1653 | 407 | 3.66 | 5 | M-14 | 3.88 | 4.72 | 0.47 | 5.51 | 7 |

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## 1 AMC + Sylomer Kit Niv.

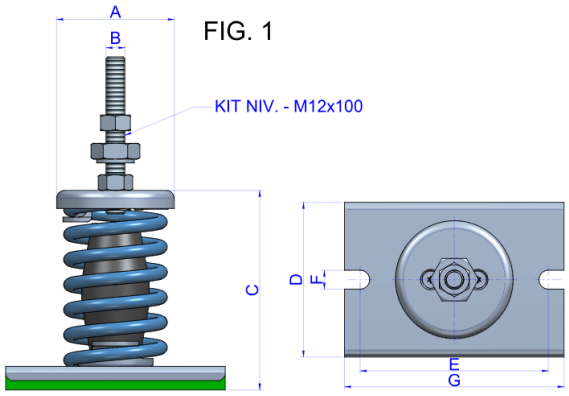


FIG. 1

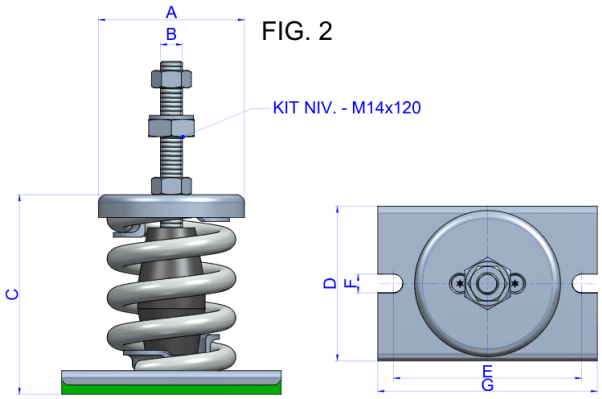


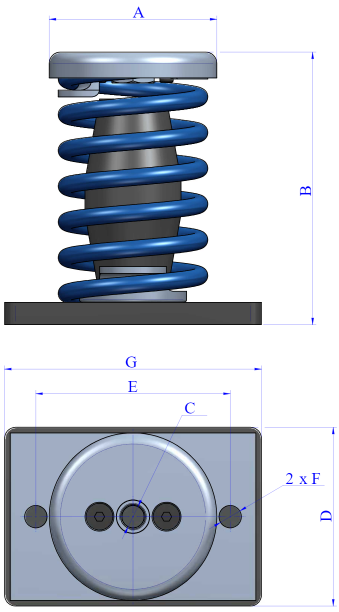
FIG. 2

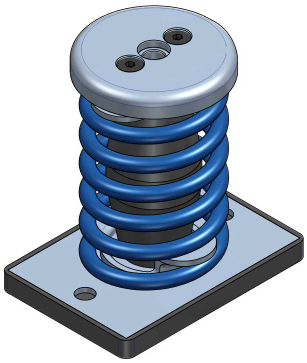
| Type | C(in) | D(in) | E(in) | F(in) | G(in) | Code | Max. Load(lbs) | Spring color | A(in) | B(in) | Weight(lbs) | Fig. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 AMC + Sylomer Kit Niv. | 5 | 3.88 | 4.72 | 0.47 | 5.51 | 20445 | 331 | BLUE | 2.95 | M12 | 3 | 1 |
| | | | | | | 20446 | 441 | WHITE | 2.95 | M12 | 3 | 1 |
| | | | | | | 20447 | 551 | BLACK | 2.95 | M12 | 3 | 1 |
| | | | | | | 20448 | 771 | CREAM | 2.95 | M12 | 3 | 1 |
| | | | | | | 20449 | 1102 | LIGHT GREY | 3.66 | M14 | 6 | 2 |
| | | | | | | 20450 | 1653 | GREEN | 3.66 | M14 | 7 | 2 |

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# 1 AMC



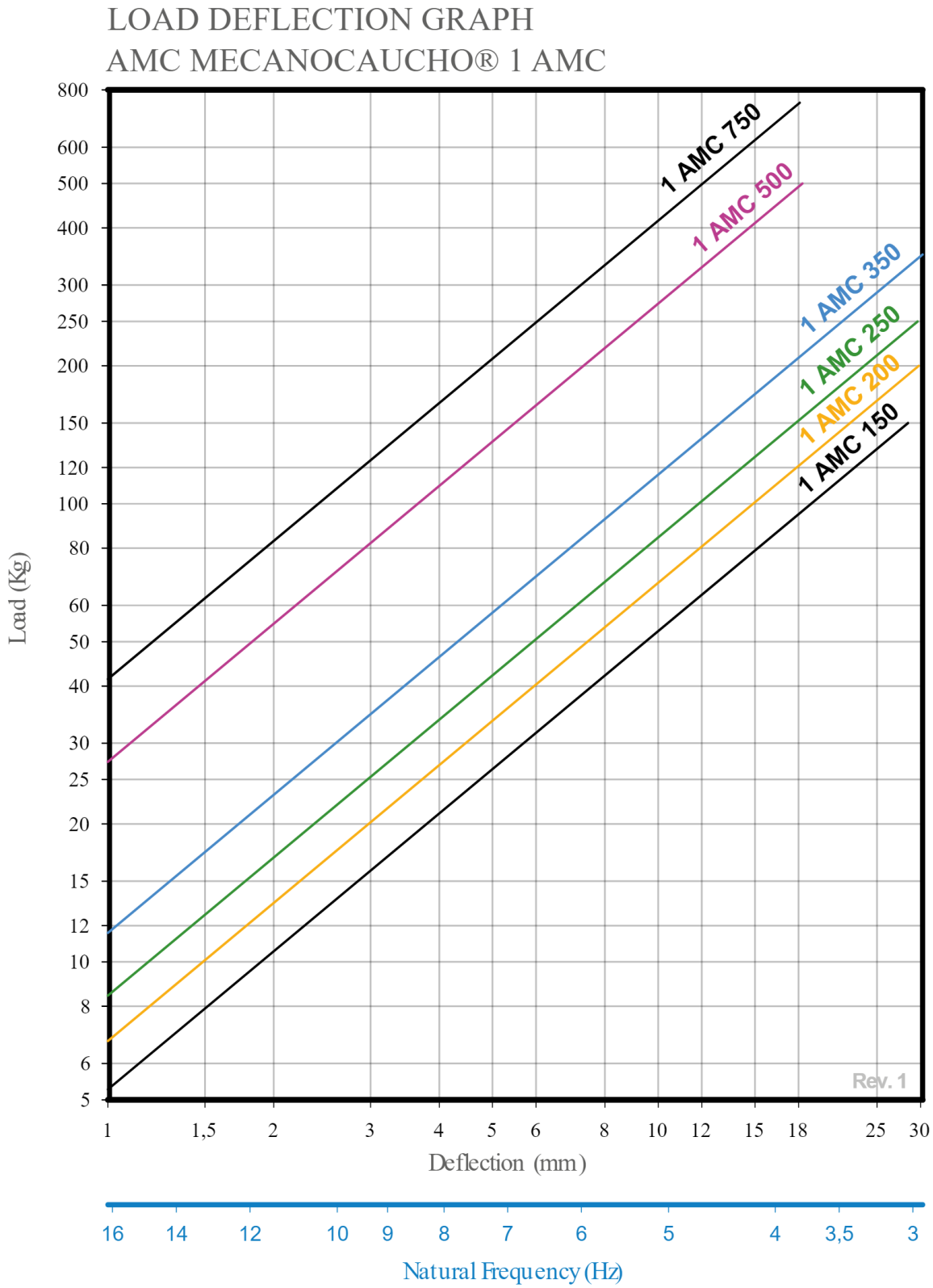



| Type | Code | Spring color | Max. Load(lbs) | K(N/mm) | A(in) | B(in) | C(in) | D(in) | E(in) | F(in) | G(in) | Weight(lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 AMC | 20301 | BLUE | 331 | 52 | 2.95 | 4.8 | M-12 | 3.15 | 3.43 | 0.39 | 4.53 | 2 |
| | 20311 | WHITE | 441 | 66 | 2.95 | 4.8 | M-12 | 3.15 | 3.43 | 0.39 | 4.53 | 3 |
| | 20321 | BLACK | 551 | 83 | 2.95 | 4.8 | M-12 | 3.15 | 3.43 | 0.39 | 4.53 | 3 |
| | 20331 | CREAM | 771 | 114 | 2.95 | 4.8 | M-12 | 3.15 | 3.43 | 0.39 | 4.53 | 3 |
| | 20341 | LIGHT GREY | 1102 | 268 | 3.66 | 4.72 | M-14 | 3.94 | 4.72 | 0.47 | 5.91 | 6 |
| | 20351 | GREEN | 1653 | 407 | 3.66 | 4.72 | M-14 | 3.94 | 4.72 | 0.47 | 5.91 | 7 |

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## Elastic properties




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## 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.

### Excellent value

This mount delivers very high performance for its cost compared to other possible solutions.

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