# Type C Diabolo wasted Bobbins

## Diabolo wasted shape anti-vibration bobbins with female threads on both sides, offering high elasticity and low stiffness for enhanced vibration isolation.



The **AMC-MECANOCAUCHO® Type C Diabolo Bobbins** are rubber-metal anti-vibration elements designed to provide **greater elasticity than conventional cylindrical bobbins**, allowing higher levels of vibration isolation.

Their **diabolo-shaped geometry** allows greater elastomer deformation and provides **lower stiffness**. This results in **lower natural frequencies**, making them particularly suitable for applications where a high degree of vibration isolation is required.

They consist of an **elastomer body vulcanised between two parallel metal parts**, each incorporating a **female thread**. This configuration allows bolted fixing from both sides and facilitates installation where external threaded studs are not required.

Thanks to their high elasticity, Type C Diabolo Bobbins are particularly suitable for **light equipment, fans, pumps, small engines, instruments and industrial machinery** requiring effective vibration isolation.

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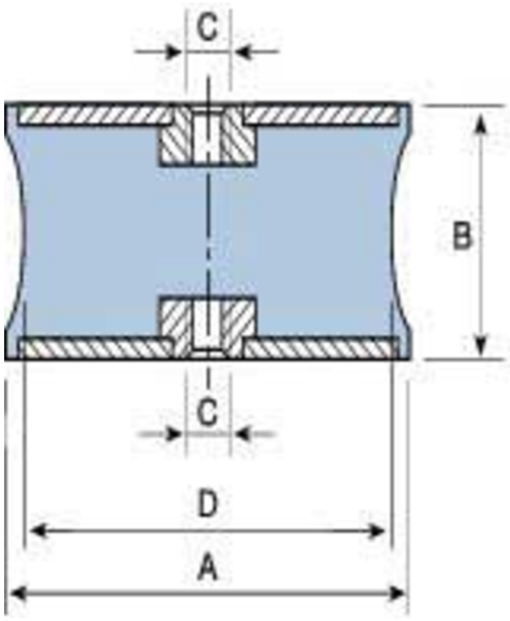
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# Drawings

## F.00N / F.3 / F.0N / F.9 / F.7 / F.1 / F.2 / F.4 / F.8 / F.5 / F.6




| Type | A(mm) | B(mm) | D(mm) | COMPRESSIONMax. Load (daN) | COMPRESSION Deflection (mm) | SHEAR Max. Load (daN) | SHEAR Deflection (mm) | Code | C(mm) | Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| F.00N | 20 | 19 | 13,5 | 12 | 2,5 | 3 | 5 | 129202 | M-6 | 0.01 |
| F.3 | 30 | 25 | 24 | 40 | 5 | 4 | 4,5 | 129203 | M-8 | 0.055 |
| F.0N | 40 | 28 | 19 | 30 | 5 | 2,5 | 4,5 | 129204 | M-10 | 0.068 |
| | | | | | | | | 129213 | M-8 | 0.058 |
| F.9 | 40 | 30 | 26 | 45 | 3 | 4 | 4,5 | 129205 | M-8 | 0.069 |
| F.7 | 44 | 42 | 25 | 50 | 6 | 9 | 6 | 129206 | M-8 | 0.096 |
| F.1 | 60 | 44 | 24 | 40 | 5 | 7 | 5 | 129207 | M-8 | 0.164 |
| F.2 | 60 | 44 | 34 | 75 | 5 | 12 | 6 | 129208 | M-8 | 0.202 |
| | | | | | | | | 128002 | M-10 | 0.198 |
| F.4 | 60 | 60 | 50 | 150 | 8 | 30 | 10 | 129209 | M-10 | 0.282 |
| F.8 | 60 | 36 | 37 | 100 | 3,5 | 20 | 8 | 129210 | M-10 | 0.187 |
| F.5 | 80 | 70 | 70 | 300 | 9,5 | 55 | 9,8 | 129211 | M-14 | 0.554 |
| F.6 | 95 | 76 | 80 | 400 | 9,5 | 70 | 8 | 129212 | M-16 | 0.848 |

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## Technical characteristics

Depending on the size of the rubber block, the AMC Mecanocaucho® bobbing has more or less elasticity, which is greater particularly in all directions perpendicular to its axis (shear). The AMC Mecanocaucho® bobbing thus makes it possible to make joins which permit major relative movements, up to several millimetres (in the case of heat expansion, chassis deformations, etc.). The AMC Mecanocaucho® bobbing serves very well for the vibration isolation of machines where the vibrations are perpendicular to their axis, unless these stresses are too much when applied in this direction.

## Advantages

### Easy Installation

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

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