

# DSD Vibration Isolator

Flexible and cost-effective vibration isolator, particularly suitable for vibration isolation of fans, HVAC equipment, and machinery subject to horizontal vibrations.



The **AMC-MECANOCAUCHO® DSD Vibration Isolator** provides **high radial and axial flexibility**, making it particularly suitable for vibration isolation of machinery and equipment subject to horizontal vibrations.

Its design consists of **two parallel metal plates connected by a bowl-shaped rubber element**, bonded to both metal parts. This geometry provides good flexibility while ensuring stable mounting of the equipment.

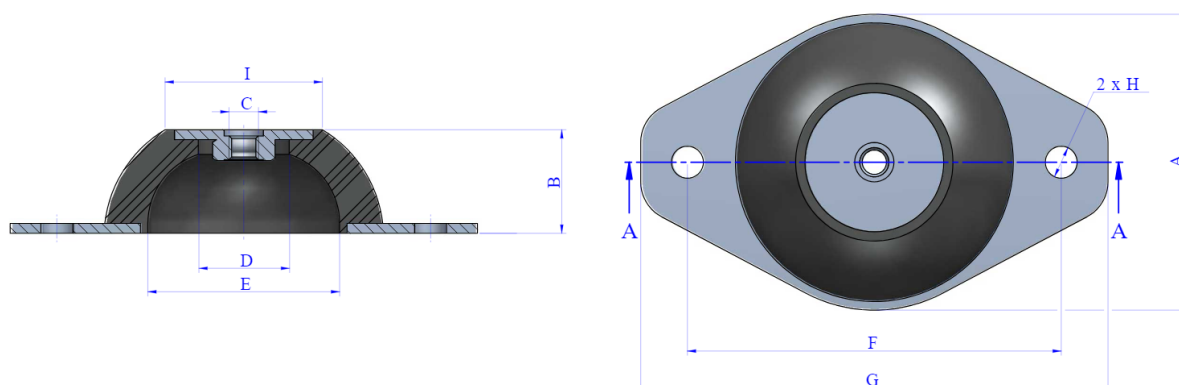
The circular upper plate incorporates **either a through hole or a nut**, allowing the vibration isolator to be attached to the machine. The elliptical lower plate features **two mounting holes** for attachment to the supporting structure.

Thanks to its **flexibility, simple design, and cost-effectiveness**, the DSD is particularly suitable for **fans, HVAC equipment, and other industrial machinery** requiring effective vibration isolation.

For applications requiring **a higher level of vibration isolation**, **DRD Vibration Isolators** are recommended.

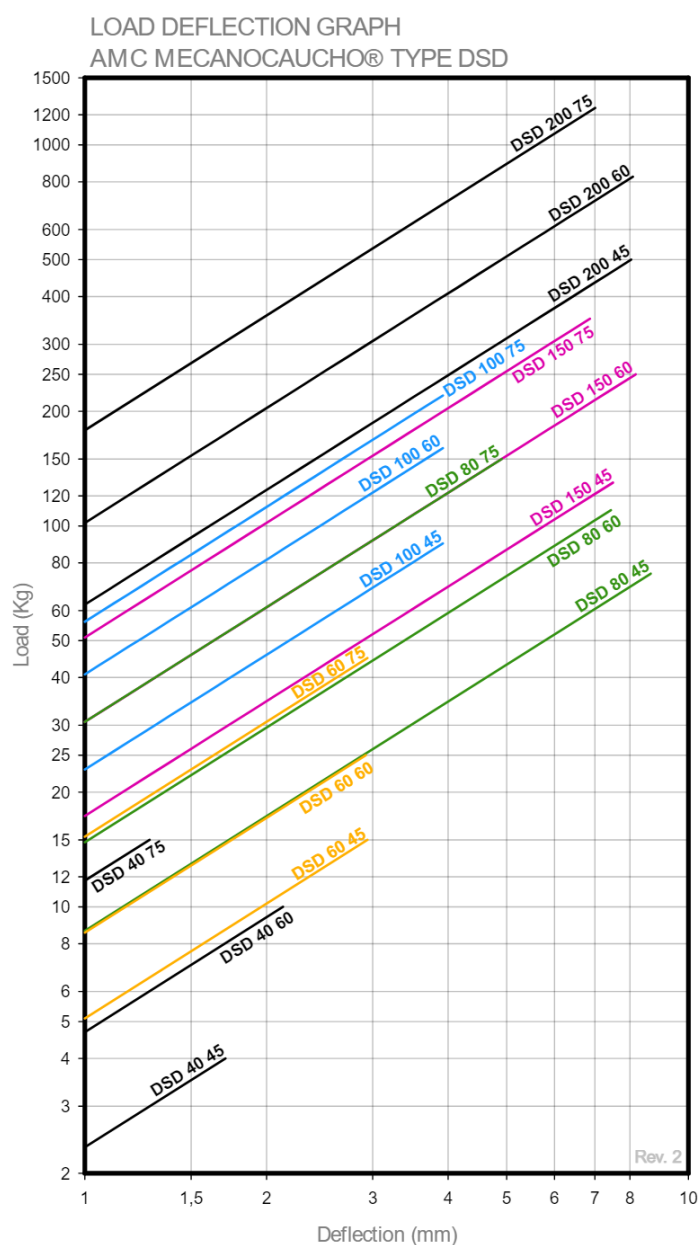
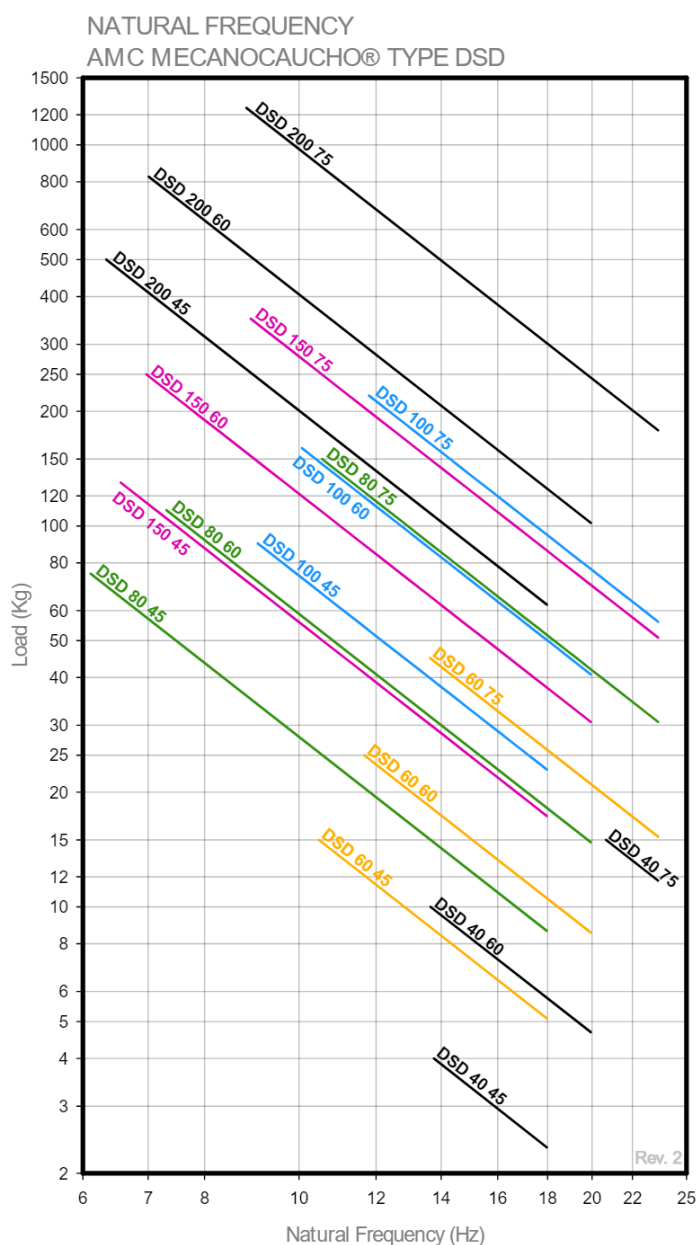
## Drawings

### DSD 40 / DSD 60 / DSD 80 / DSD 100 / DSD 150 / DSD 200



| Type    | Tightening torque<br>Max. (Nm) | A(in) | B(in) | C(in) | D(in) | E(in) | F(in) | G(in) | H(in) | I(in) | Weight(lbs) | Code   | Max. Load<br>(lbs) | Shore |
|---------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|--------|--------------------|-------|
| DSD 40  | -                              | 1.69  | 0.67  | M-6   | 0.75  | 1.14  | 2.05  | 2.52  | 0.25  | 0.96  | 0.06        | 134001 | 9                  | 45 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134002 | 22                 | 60 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134003 | 33                 | 75 Sh |
| DSD 60  | -                              | 2.36  | 0.83  | M-6   | 0.55  | 1.54  | 2.99  | 3.74  | 0.26  | 1.26  | 0.16        | 134004 | 33                 | 45 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134005 | 55                 | 60 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134006 | 99                 | 75 Sh |
| DSD 80  | -                              | 3.39  | 0.98  | M-8   | 0.98  | 2.56  | 3.94  | 4.72  | 0.33  | 2.01  | 0.29        | 134007 | 165                | 45 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134008 | 242                | 60 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134009 | 331                | 75 Sh |
| DSD 100 | -                              | 3.94  | 0.98  | M-10  | 0.87  | 2.64  | 4.88  | 5.87  | 0.41  | 2.13  | 1           | 134010 | 198                | 45 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134011 | 353                | 60 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134012 | 485                | 75 Sh |
| DSD 150 | -                              | 5.91  | 1.34  | M-14  | 1.34  | 4.49  | 7.17  | 8.43  | 0.47  | 2.99  | 1           | 134013 | 287                | 45 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134014 | 551                | 60 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134015 | 771                | 75 Sh |
| DSD 200 | -                              | 7.87  | 1.57  | M-18  | 1.38  | 5.51  | 9.45  | 11.02 | 0.59  | 5.04  | 4           | 134016 | 1102               | 45 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134017 | 1818               | 60 Sh |
|         |                                |       |       |       |       |       |       |       |       |       |             | 134018 | 2755               | 75 Sh |

## Elastic properties



## Technical characteristics

AMC-Mechanocaucho® DSD mountings have comparable stiffness rates vertically and horizontally making them very effective against random vibrations in either plane.