# VI786 - A06
# VI700 - A06
# VI700 - B06

Natural frequency : 15 to 20 Hz (1)

## DESCRIPTION

This suspension system consists of rectangular cushions made of woven compressed stainless steel wire. The VI786 have a Ø 9 bored screw hole, so that they can be mounted in collars with the diameters required by the user.

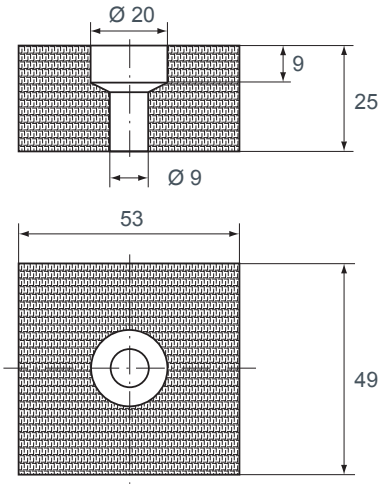
## APPLICATIONS

This suspension system is particularly suitable for mounting exhaust pipes from generator sets on board ship or permanently mounted in buildings. They are unaffected by aggressive chemicals, oil, grease and corrosion and withstand extreme temperatures from - 70°C to + 300°C.

The natural frequency of between 15 and 20 Hz enables the pipes to be mounted independently of the support and thus reduces noise levels and allows the pipes to expand freely.

(1) Natural frequencies with max/min loads, see : OPERATING CHARACTERISTICS.

# DIMENSIONS

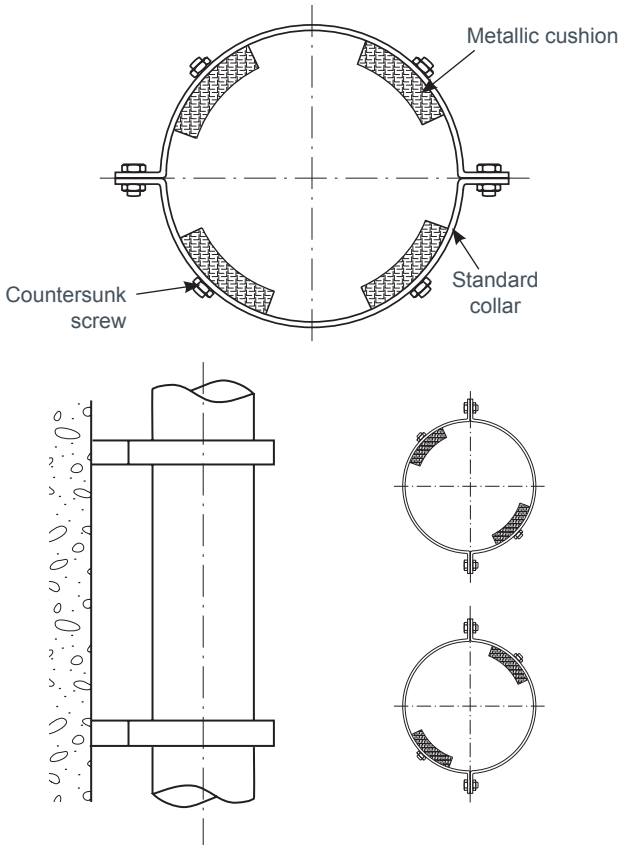



**Assembly :**
Countersunk screws can be used to mount the cushions inside the collar.

The number of cushions used should be a multiple of 4, depending on the diameter of the pipework: see table below.

However, for small diameter pipes, 2 collars can be used edge to edge, each having 2 pads at opposite diagonals.

# OPERATING CHARACTERISTICS

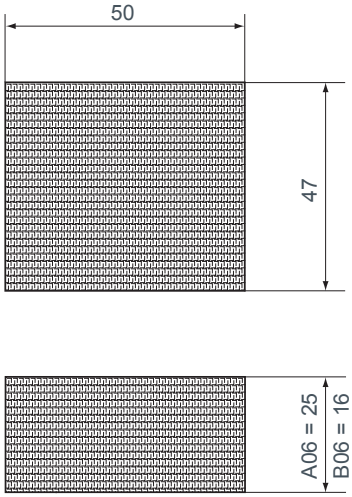



| Ø of the pipe (mm) | Number of cushions |
|---|---|
| 75 - 175 | 4 |
| 175 - 425 | 8 |
| 425 - 550 | 12 |
| 550 - 700 | 16 |
| 700 - 850 | 20 |
| 850 - 1 000 | 24 |
| 1 000 - 1 150 | 32 |
| 1 150 - 1 300 | 36 |
| 1 300 - 1 450 | 40 |
| 1 450 - 1 600 | 44 |
| 1 600 - 1 750 | 48 |

Max. dynamic force in compression : 800 daN.
Static load range from 30 to 200 daN.

Collars and screws not supplied.

# DIMENSIONS



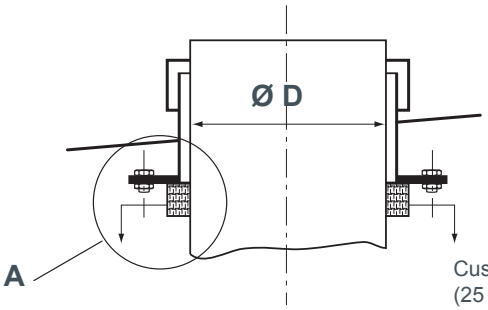

**Assembly :**
Our wide range of mounts can meet many requirements. These mounts should be used as shown in the following diagram (two half collars, in which the cushions are placed side by side, are connected to the structure).

Note : the cushions may be mounted in two orientations : the height H is shown on the table. Refer to the drawing to ensure that the height H is correct when mounted.

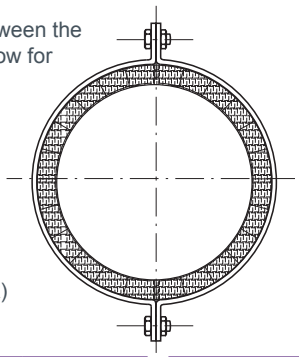
**Choice :**
The cushions are 16 mm or 26 mm thick. We advise using VI700-B06 pads (16 mm thick) for Ø D pipes < 270 and VI700-A06 (25 mm thick) for Ø D pipes > 270.

For example :
- for Ø D ext 140 pipe : use 9 VI700-b06 cushions;
- for Ø D ext 1000 pipe : use 61 VI700-A06 cushions.

# OPERATING CHARACTERISTICS




Use spacers between the half collars to allow for future tightening



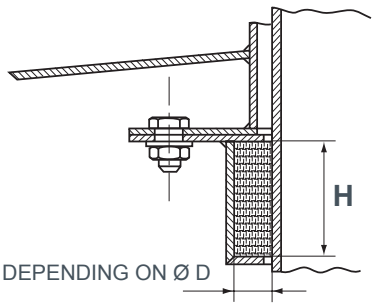
Cushions VI700-A06 (25 mm thick) or VI700-B06 (16 mm thick)

Necklace and screw not supplied.

| Pipe Ø D (mm) | H (mm) | Number of cushions |
|---|---|---|
| 75 to 85 | 50 | 5 |
| 80 to 90 | 47 | 5 |
| 90 to 100 | 50 | 6 |
| 95 to 105 | 47 | 6 |
| 105 to 120 | 50 | 7 |
| 120 to 135 | 50 | 8 |
| 135 to 150 | 50 | 9 |
| 150 to 170 | 50 | 10 |
| 165 to 185 | 50 | 11 |
| 180 to 200 | 50 | 12 |
| 195 to 220 | 50 | 13 |
| 210 to 240 | 50 | 14 |
| 240 to 270 | 47 | 15 |
| 270 to 305 | 47 | 17 |
| 300 to 340 | 50 | 20 |

| Pipe Ø D (mm) | H (mm) | Number of cushions |
|---|---|---|
| 335 to 380 | 47 | 21 |
| 360 to 410 | 50 | 24 |
| 400 to 450 | 50 | 27 |
| 445 to 500 | 47 | 28 |
| 500 to 560 | 47 | 31 |
| 560 to 630 | 47 | 35 |
| 620 to 700 | 47 | 39 |
| 700 to 790 | 47 | 44 |
| 780 to 880 | 47 | 49 |
| 875 to 985 | 47 | 55 |
| 975 to 1 100 | 47 | 61 |
| 1 100 to 1 240 | 47 | 69 |
| 1 230 to 1 385 | 47 | 77 |
| 1 370 to 1550 | 47 | 86 |
| 1 530 to 1 725 | 47 | 96 |

**DETAIL A**




Maximum dynamic force in compression : VI700-A06 = 1 200 daN
VI700-B06 = 1 600 daN

Static load range from 75 to 400 daN