

VI786 - A06

VI700 - A06

VI700 - B06

Natural frequency : (1)
15 to 20 Hz

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.

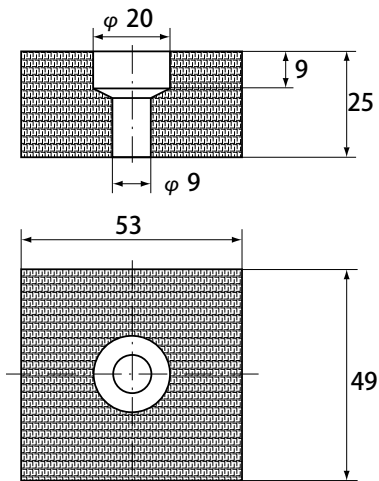
APPLICATIONS

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



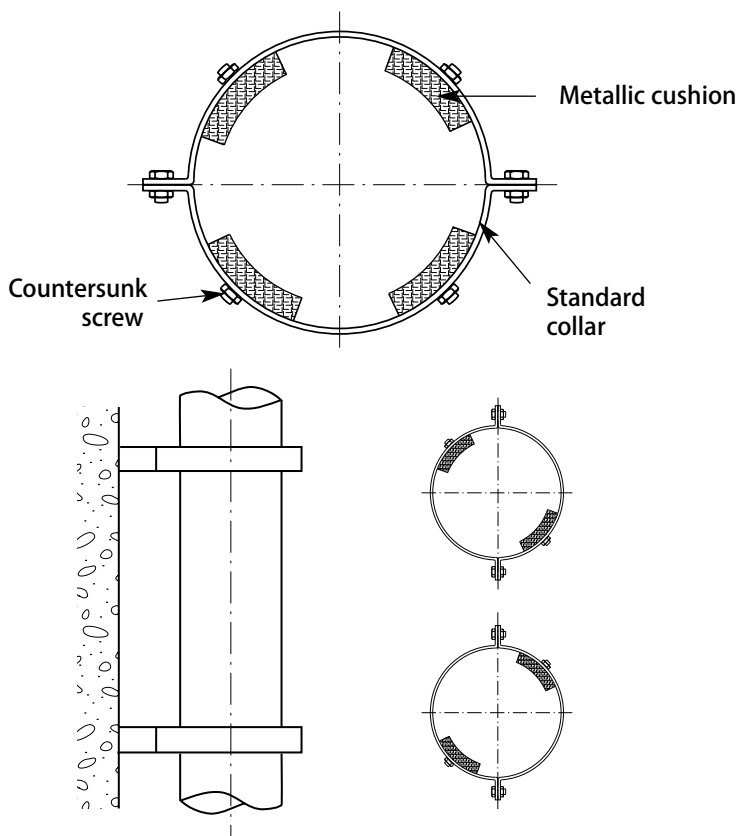
Assembly :

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



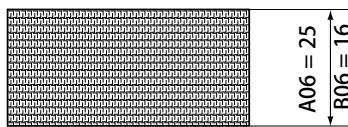
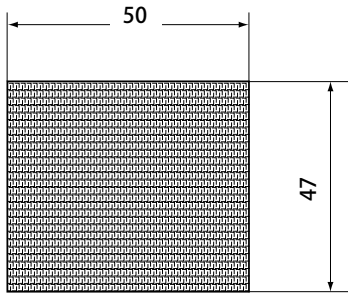
\varnothing of the pipe (mm)	Number of cushions
75 - 175	4
175 - 425	8
425 - 550	12
550 - 700	16
700 - 850	20
850 - 1000	24
1000 - 1150	32
1150 - 1300	36
1300 - 1450	40
1450 - 1600	44
1600 - 1750	48

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.

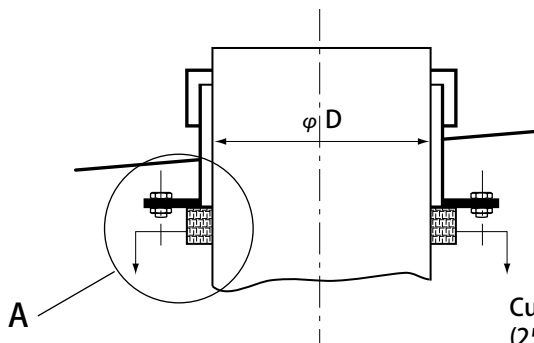
Choice :

The cushions are 16 mm or 26 mm thick. We advise using VI700-B06 pads (16 mm thick) for $\varnothing D$ pipes < 270 and VI700-A06 (25 mm thick) for $\varnothing D$ pipes > 270.

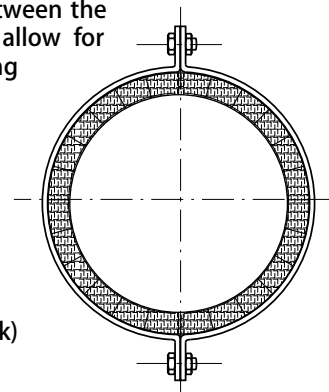
For example :

- for $\varnothing D$ ext 140 pipe : use 9 VI700-b06 cushions;
- for $\varnothing D$ ext 1000 pipe : use 61 VI700-A06 cushions.

OPERATING CHARACTERISTICS

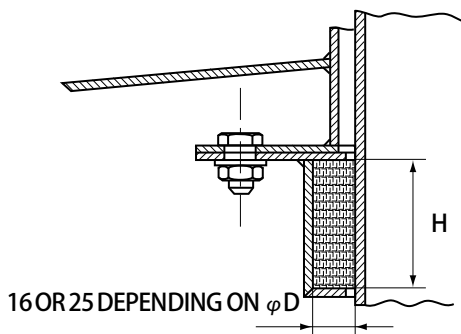


Use spacers between the half collars to allow for future tightening



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

DETAIL A



Pipe $\varnothing D$ (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 $\varnothing D$ (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 1 550	47	86
1 530 to 1 725	47	96

Maximum dynamic force in compression: VI700-A06 = 1200 daN
VI700-B06 = 1600 daN

Static load range from 75 to 400 daN