

Ref.	A	B	C	D	E
VT1120	50	25	10	20	9
VT1140	30	20	8	11	6

## ALL METAL resilient cushion

### Description

All metal resilient element produced of 18/8 steel mesh. The progressive spring rate yields an almost constant natural frequency over a wide load range. The element is non creeping, has excellent resistance to oils, solvents, water, chemical agents and to extremes of temperature.

Cushions are also available in AISI 316 stainless wire and other special metals.

### Characteristics

Material: stainless steel 18/8.  
 Natural frequency: 12-15 Hz.  
 Maximum excitation amplitude:  $\pm 0,3$  mm.  
 Amplification factor: 3-4.  
 Dynamic overload: 5 g  
 Temperature range: -90 °C to +300 °C.

Ref.	Load range in daN ( $\approx$ kg)
VT1120	30-300
VT1140	5-50

### Applications

A very useful construction element for suspension of smaller machine tools and for protection of delicate equipment.  
 Also used as a resilient element for anti vibration pipe clamps.

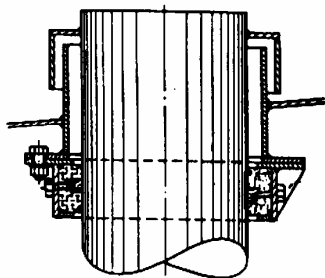
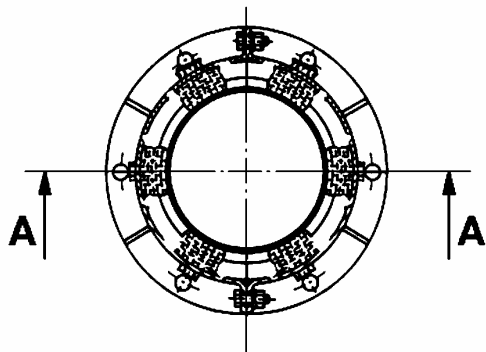
### Installation in pipe clamp.

The elastic cushions are placed circumferentially around pipework providing a compact isolation system allowing both axial and radial expansion. For best isolation result, the clamp is to be made as rigid and heavy as possible.

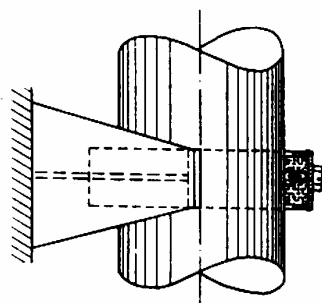
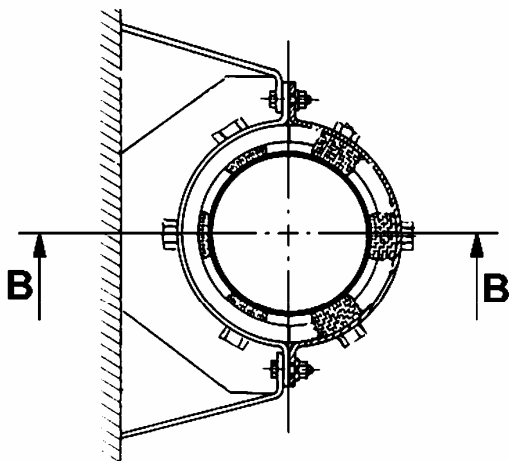
We recommend the installation for the cushions as shown opposite (two half-rings in which the cushions are evenly spaced inside the rings).

Rain proof penetrations should be made with a sealing "hat" as shown in figure A.

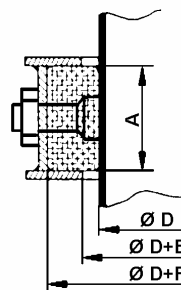
The design of the clamp must allow compression of the cushions because of thermal expansion of the pipe; 10 mm for VT1110 and 6 mm for VT1130. The cushions should not be pre-compressed. The recommended dimensions of the clamp and the number of cushions are shown in the table below.



**A - A**



**B - B**



Ref.	A	E	F
VT1120	50	20	50
VT1140	30	16	40

Pipe diameter Ø D (mm)	Qty VT1120	Qty VT1140
70	-	4
130	-	6
170	-	8
210	-	10
370	8	-
530	10	-
690	12	-
850	14	-
1010	16	-
1170	18	-
1330	20	-

#### Note

For complete pipe-clamps, refer to VTPC-XXX.