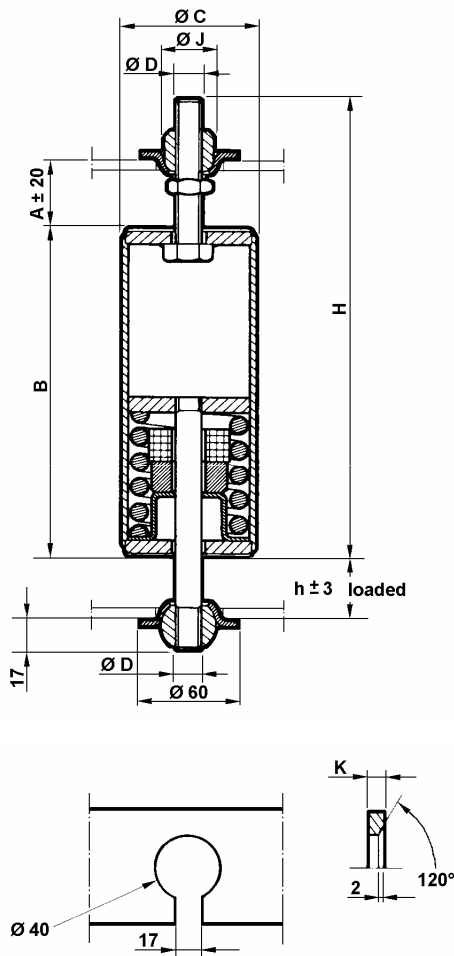


V303 - V308



Ref.	A	B	C	D	H	K	h
V303	40	135	63	M12	210	6	35
V304	40	155	63	M12	230	6	35
V305	40	175	82	M16	257	8	40
V306	45	200	82	M16	282	8	40
V308	45	220	82	M16	302	8	40

ALL METAL isolator

Description

All metal isolator of the single-action type, designed for loading in tension only. Resilient elements: High tensile steel springs and 18/8 stainless steel cushions. Brass spherical nuts. Housing and other parts in steel. Protection: paint.

Weights:
 V303: 2 kg
 V304: 2.1 kg
 V305: 4.4 kg
 V306: 4.6 kg
 V308: 2.8 kg

Characteristics

A series of low-frequency isolators for tension loads.
 Natural frequency: 3,5 to 5 Hz.
 Amplification factor: < 9.
 Temperature range: -90 °C to +300 °C.
 Maximum load corresponding to a continuous acceleration of 3 g.

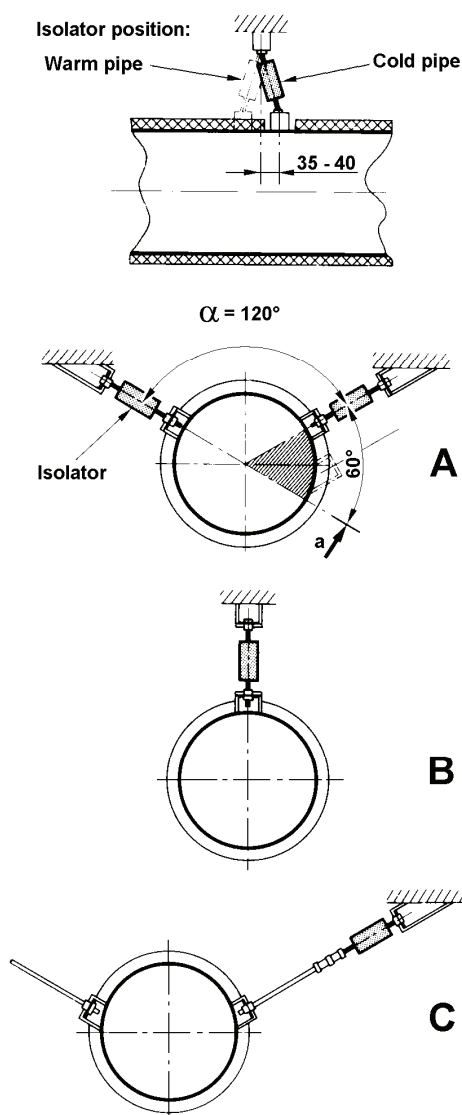
Ref.	Load range in daN (≈kg)	
	Static	Dynamic
V303	4 - 85	260
V304	75 - 140	420
V305	120 - 230	700
V306	200 - 380	1200
V308	270 - 500	1500

Applications

Isolation of exhaust systems, especially on ships.
 Isolation of various pipes (pressurised air or fluids).
 Protection of fragile equipment during transportation.

Installation

Attachment points to be made as shown in the cross-section a-a. The mount may then be easily hooked onto the bracket without removing the nuts. The distance between the cups can be adjusted by turning the sleeve and locking the nut. The isolator must not be tensioned. Dimension "h" must be checked after thermal expansion of the pipe and the locknut locked afterwards. Dimension "h" must be within the ± 3 mm tolerances.



Selection of the mount

The mount type is determined according to the weight of the suspended section. When the mounts are installed at angle α° , use the table to estimate the load.

Choice of mounting

This series of isolators should be used for suspension of horizontal pipes, the recommended mountings are shown in figure A and B. Use design "A" whenever side stabilisation of the pipe is required. The load on each isolator can be obtained from the table.

Expansion compensation

The ball-joints enable a radial movement of ± 40 mm. For extra precaution, the attachment brackets should be mounted at a 35-40 mm distance between one another (observe carefully the direction of thermal expansion).

Attachment

The attachment bracket requires an open slot to enable easy location of the mount. For best result, the isolators should be located near the support mounting surface when the mounting points are not located near the manifold.

Note

For the stabilisation of vertical pipeworks, refer to data sheets for V403 - V406.
See also isolator VT4524-XX.

$\alpha^\circ =$	120	100	90	60
Fd =	Rv	0,8Rv	0,7Rv	0,6Rv

Fd = Isolator load
Rv = Weight of section