Cabinet Mounts

Rahbek

Product Description

Two adjustable galvanised, curved metal fittings with a vibration absorber in between. The fittings allow adjustment of the angle between the vibration absorber and direction of load, so that the maximum vibration insulation can be achieved.

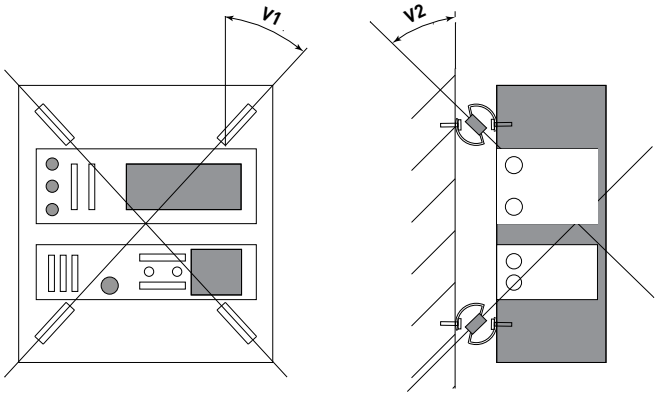
Maximum axial load: 15 – 40 kg
Maximum axial distortion: 3.0 mm
Maximum radial load: 4 – 8 kg
Maximum radial distortion: 5.4 mm

Applications

Mainly for light equipment and machinery such as suspended cabinets containing machinery, electronics, alarm systems, automation instruments, computer equipment and many more, that are sensitive to shock and vibration.

Can also be used to protect components in a ships' machine room and is ideally used to insulate passive equipment against vibrations from rotating machinery.

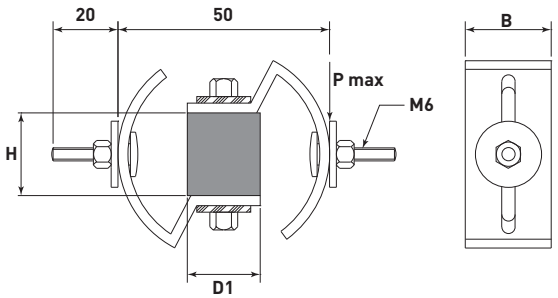
When installing the Rahbek mount it is possible to adjust the natural frequency of the system in horizontal, vertical and lateral direction and thereby optimise the vibration insulation in all these directions.



Mounting

This mount is fixed between the wall and the apparatus, as it is shown in the figure to the right. The axial direction of the vibration mount should pass through the centre of gravity of the apparatus. The degree of resilience of the mount, and therefore the natural frequency, can be regulated as V1 and V2 can be adjusted.

V1 and V2 should be situated at intervals of 0-45° and 22-45° respectively. The radial stiffness of the absorber is 1/6 of the axial, so when loaded it should be mainly in the direction of compression.



Type	D1 (mm)	H (mm)	P Max. (kg)	B
4	20	15	15	25
5	20	20	20	25
6	25	20	25	25
6a	30	25	32	25
7a	30	30	40	25