

Isotop® Compact

by getzner
isotop®

Design

The Isotop® Compact is a premium quality and highly effective anti-vibration damper. It is used for applications where rubber-metal dampers do not provide a sufficiently high level of vibration isolation or a sufficiently long service life.

The core of the Isotop® Compact isolator consists of the PU damping material Sylomer®, Sylodyn® or Sylodamp®, depending on the application. Thanks to the two metal caps that enclose the PU material, the element can be securely screwed onto the unit using an M8 threaded bush or M8 threaded pin. The tried-and-tested spring and damper combination targets and effectively isolates structure-borne noise, high amplitudes are weakened and even horizontal forces can be absorbed.

Area of application

The Isotop® Compact is ideal for both indoor and outdoor applications.

It can be used in all types of device that must quickly and permanently be isolated from structure-borne noise and vibrations.

Its diverse areas of application include the elastic bearing of:

- Small pumps
- Split air-handling units
- Compressors
- Small motors
- Electric engines

Data needed to choose the right product

- Total weight to be absorbed
- Number and position of contact points
- Centre of gravity
- Shape of the unit (dimensions)
- Size and direction of the load
- Lowest disturbing frequency



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Advantages

By using different types of Sylomer®, Sylodyn® or Sylodamp®, optimal adjustment in line with the respective loads can be achieved.

- Simple selection of the elements according to the load
- Easily screw-mountable
- Excellent corrosion protection
- Long service life
- Extremely low overall height
- Effective in all spatial directions, even horizontal forces are absorbed

Our service

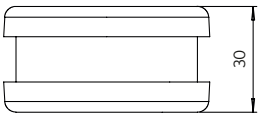
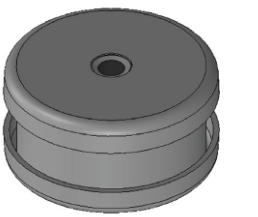
Take advantage of our expertise in vibration engineering. We will gladly advise you and calculate your individual vibration isolation solution.

Selection table

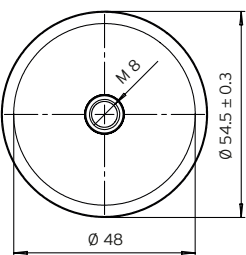
TYPE	MATERIAL	MAX. LOAD IN KG	DEFLECTION AFTER 1,500 H IN MM	NATURAL FREQUENCY AT MAX. LOAD IN HZ	MAX. HORIZONTAL LOAD IN KG	HORIZONTAL DEFLECTION IN MM
Isotop Compact-4	SR 28	4.0	3.9	14	1.2	2.5
Isotop Compact-9	SN NB	9.0	3.8	10.3	2.1	2.5
Isotop Compact-15	SR 110	15.0	4.2	11.9	3.7	2.5
Isotop Compact-20	SR 220	24.0	3.8	12.2	5.7	2.5
Isotop Compact-40	SN ND	40.0	4.4	10.1	5.7	2.5
Isotop Compact-50	SR 450	50.0	4.2	10.9	9.5	2.5
Isotop Compact-70	SN NE	78.0	3.5	10.3	10.0	2.5
Isotop Compact-80	SR 850	82.0	4.9	10.8	13.1	2.5
Isotop Compact-100	SR 1200	100.0	4.5	10.0	15.0	2.5

Thread: M 8, surface refinement: galvanised, unladen height: 30 mm, diameter: 54.5 mm

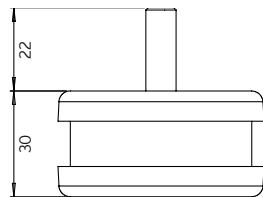
Isotop® Compact XX-T/T



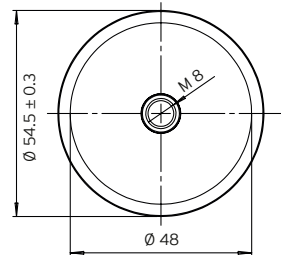
Do not exceed a thread depth of 7 mm on each side



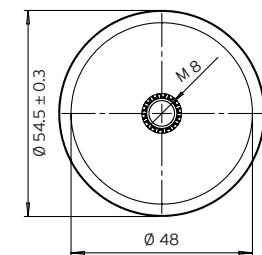
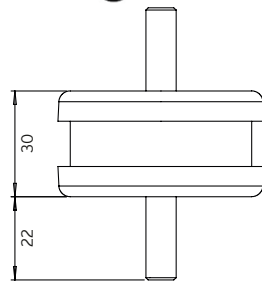
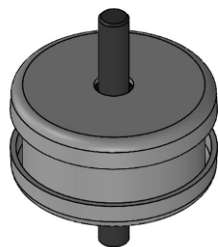
Isotop® Compact XX-T/B



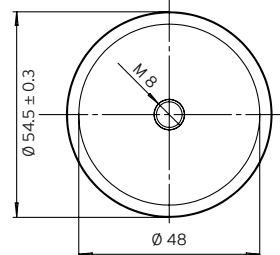
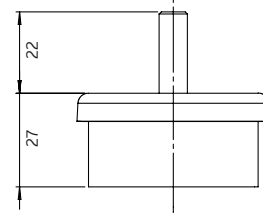
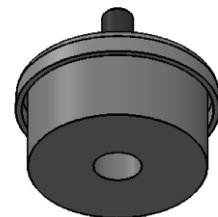
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Isotop® Compact XX-B/B



Isotop® Compact XX-B/-



All data is based on our current level of knowledge. It can be used in calculations and for reference purposes, but is subject to typical manufacturing tolerances; errors excepted and subject to change without notice.