

Isotop® MSN-BL

Flat Block Elements for Smaller Loads and Limited Space

by getzner
isotop®

Design

Isotop® MSN-BL block elements consist of two steel plates with mounted spring elements of the series MSN-1 to MSN-8. The number of spring elements depends on the total load. Elements with 2, 4, 6 or 9 springs are standard. Upon request we gladly offer special solutions. A distinguishing feature of all MSN-BL elements is high corrosion protection: powder coating of the plates and cathodolysis coating (KTL) of the plates, KTL-coating of the spring elements according to RAL 9005. To prevent slipping Sylomer® footplates and/or pressure plates (anti-slip plates) can also be fitted.

Field of application

Isotop® MSN-BL block elements have a natural frequency, depending on the load, down to approx. 3.5 Hz. Due to the low construction height they are ideal for applications with limited available space like for example:

- Source isolation of heavy ventilators, fans, extractors, air conditioners, compressors, emergency power units, pumps, textile machinery, presses etc.
- Receiver isolation of sensitive measuring equipment, scales, test beds, control cabinets, transport bearing etc.
- Vibration isolation of all kinds

Required data for selection

- Total weight to be absorbed
- Number and location of points of support
- Centre of gravity
- Structural shape of the device
- Direction of load
- Lowest disturbing frequency (rotational speed or number of strokes)

Advantages

- Very low construction height
- Construction height, diameter and connection thread are identical for all types which guarantees exchangeability
- Low resonant frequency
- Condition of spring elements is clearly visible due to the open construction
- Durable, compact design
- Ideal for applications in the building & construction industry due to the high corrosion protection



Isotop® MSN-BL 4, KTL

Our service

Make use of our know-how on questions about vibration technology. We will gladly consult you and will calculate tailor-made solutions for vibration isolation.

Selection table

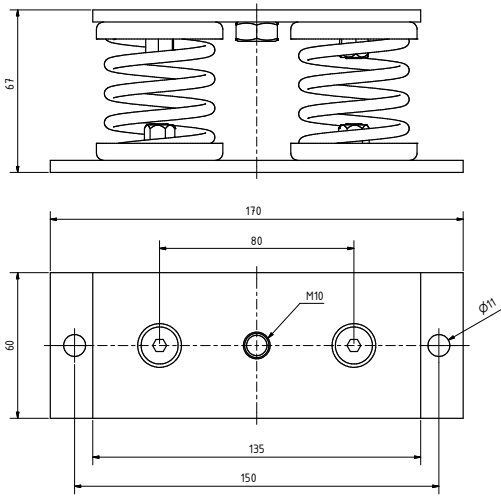
DESCRIPTION	NOMINAL RANGE ¹
Isotop® MSN-BL - xx/xx (2 Elements)	up to 1,750 N
Isotop® MSN-BL - xx/xx (4 Elements)	up to 3,500 N
Isotop® MSN-BL - xx/xx (6 Elements)	up to 5,200 N
Isotop® MSN-BL - xx/xx (9 Elements)	up to 7,900 N

¹ the minimal nominal range for all Isotop® block elements is 100 N

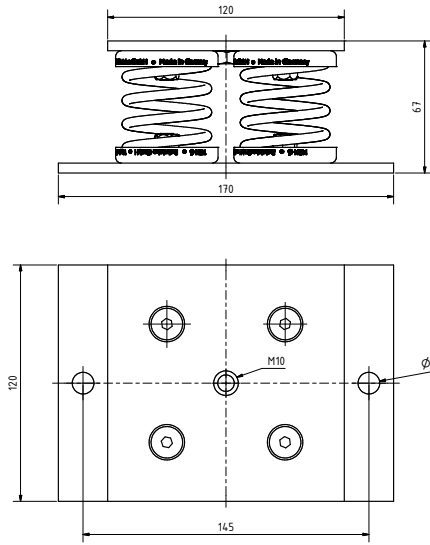
Please note:

Nearly all requirements can be fulfilled by combining Isotop® steel spring vibration isolators and the MSN-BL series. We will arrange the block elements by your specific requirement.

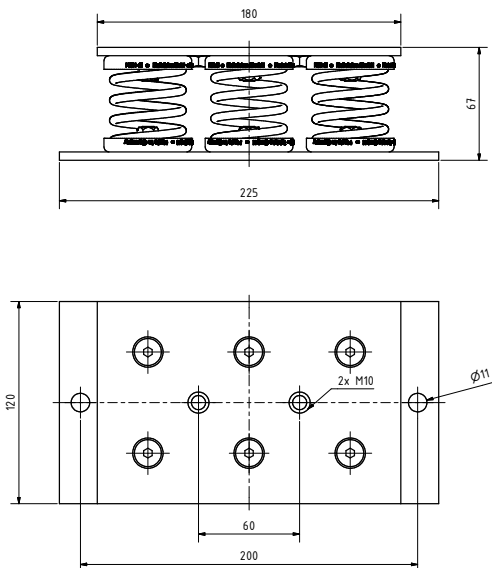
MSN-BL 2 - xx/xx



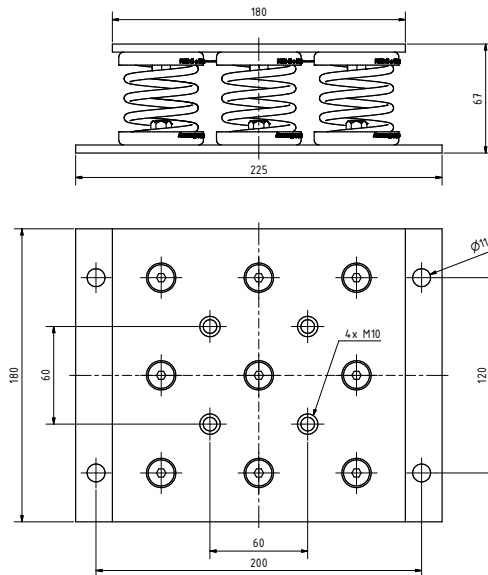
MSN-BL 4 - xx/xx



MSN-BL 6 - xx/xx



MSN-BL 9 - xx/xx



All data indicated are based upon our current knowledge. They may be used as calculation and standard values and are subject to the usual machining tolerances. Subject to change and correction.