

Isotop® MSN

All Metal Steel Spring Vibration Isolators

by getzner
isotop®

Design

Isotop® MSN steel spring vibration isolators consist of two metal plates with M8 internal thread and a cylindrical screw spring according to DIN EN 13906-1:2001, tolerances according to DIN 2095. The metal plates and the screw spring are inseparably connected with a special 2-component compound. On request MSN steel spring vibration isolator can be galvanized or cataphoresis coated with RAL 9005 (deep black). Special coatings or colours are possible on request.

Field of application

Isotop® MSN elements have a natural frequency, depending on the load, down to approx. 3.5 Hz and are mainly used for:

- Compressors
- Extractors
- Small ventilators
- Small fans
- Audio loud speakers
- Pumps
- Emergency power units

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

- Low construction height
- Low resonant frequency
- Construction height, diameter and connection thread are identical for all types which guarantees exchangeability
- Condition of spring elements is clearly visible due to the open construction
- Durable, compact design



Isotop® MSN, galvanized

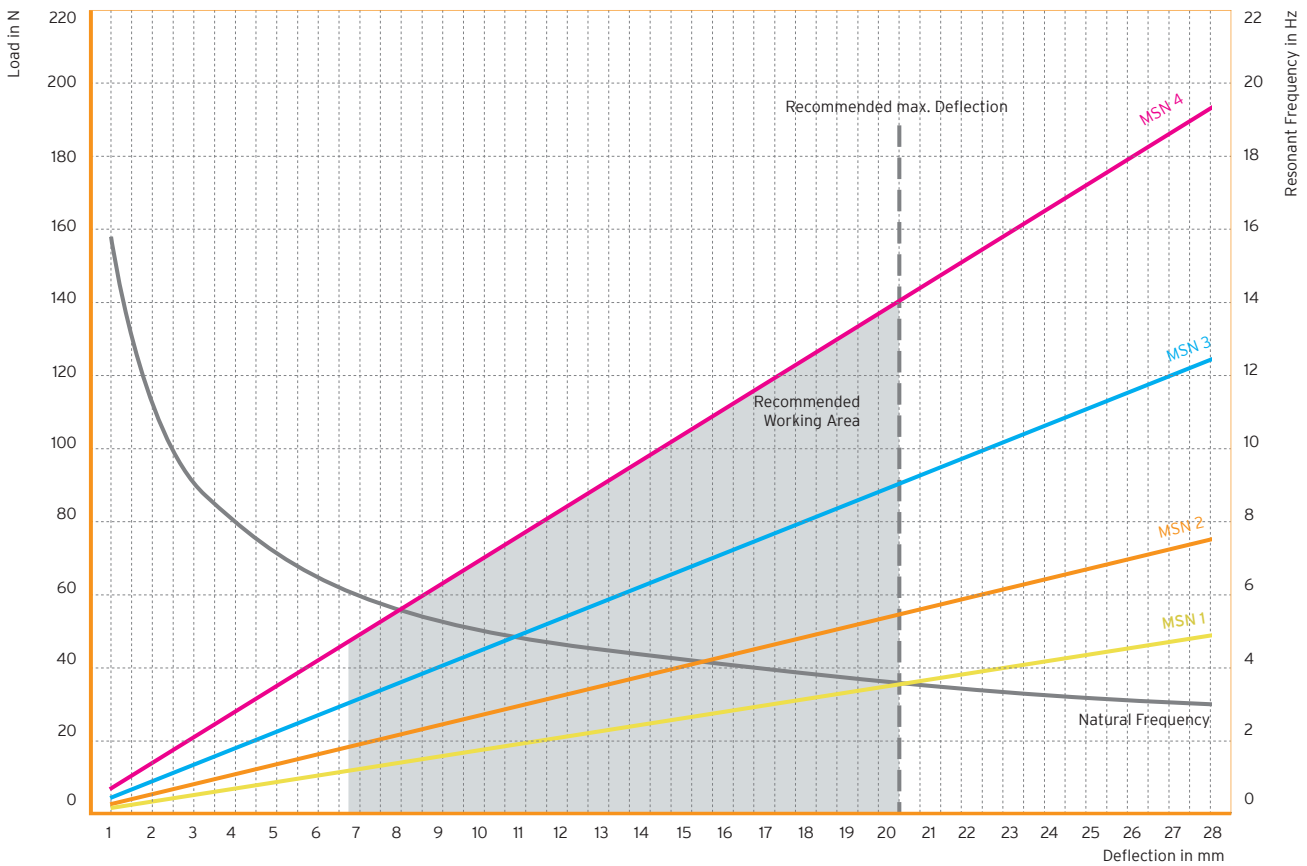


Isotop® MSN, KTL

Our service

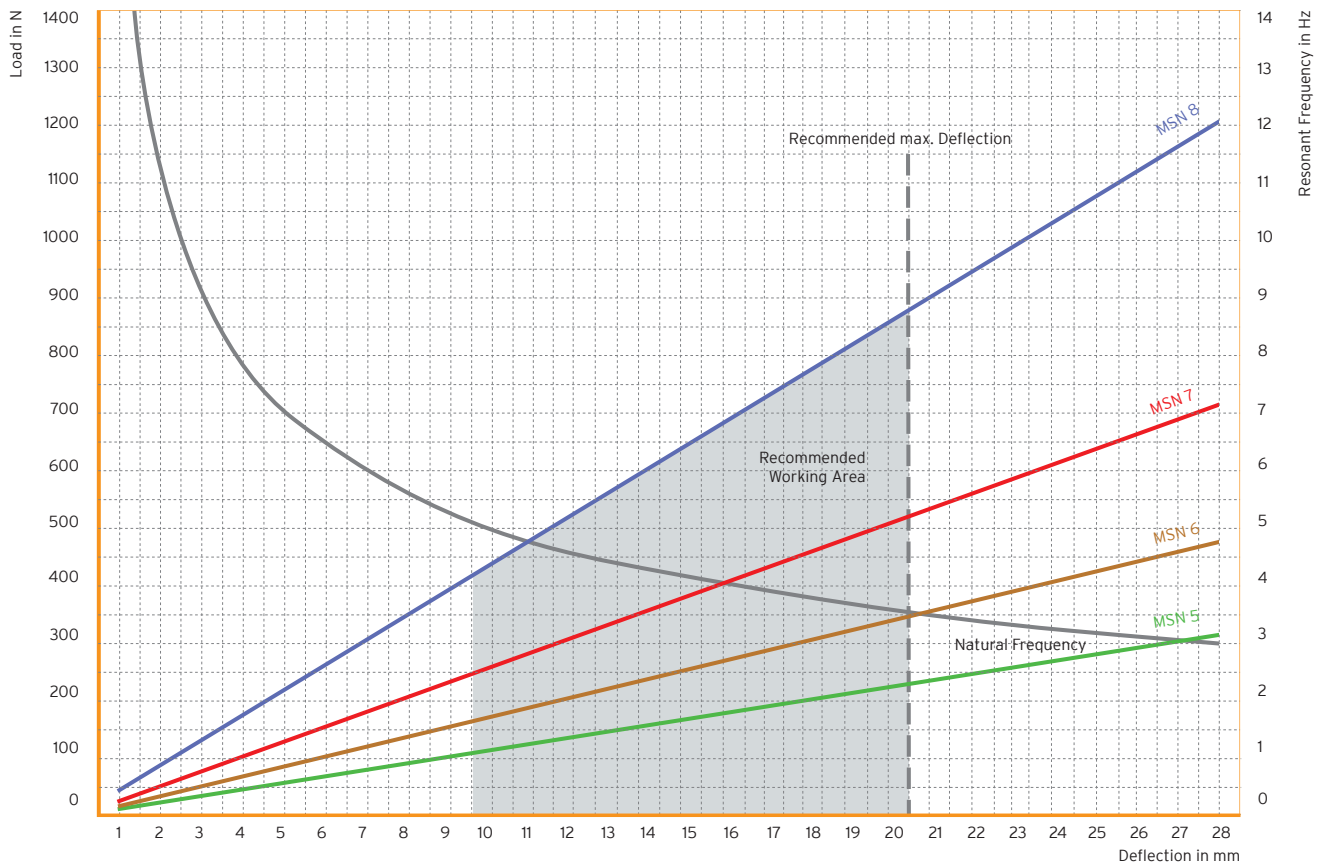
Make use of our know-how on questions about vibration technology. We will gladly consult you and will calculate tailor-made solutions for vibration isolation.

Isotop® MSN 1 - MSN 4



Remark: Loads higher than the recommended deflection are possible. Please then take into account that the deflection caused by additional dynamic loads has an upper limit. In such cases please ask Getzner Spring Solutions GmbH.

Isotop® MSN 5 - MSN 8

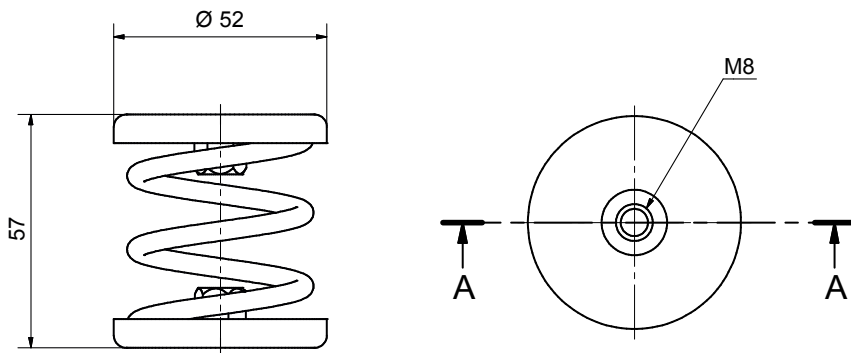


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Selection Table

DESCRIPTION	REF. NO., GALVANIZED	REF. NO., KTL	NOMINAL RANGE MIN./MAX. IN N	SPRING RATE IN N/MM
Isotop® MSN 1	45000171	45000181	18 to 36	1.78
Isotop® MSN 2	45000172	45000182	27 to 55	2.73
Isotop® MSN 3	45000173	45000183	45 to 90	4.52
Isotop® MSN 4	45000174	45000184	70 to 150	7.02
Isotop® MSN 5	45000175	45000185	115 to 230	11.44
Isotop® MSN 6	45000176	45000186	175 to 350	17.30
Isotop® MSN 7	45000177	45000187	285 to 550	26.02
Isotop® MSN 8	45000178	45000188	440 to 880	43.85

Horizontal forces must be avoided.



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.