



Spring Isolator VT42XX

A very soft spring isolator with integrated adjustable movement limiters. This isolator has a natural frequency between 5-9 Hz and a load range of 50 - 300 daN depending on which type you choose. Designed especially for suspension of mobile equipment for example suspension of propulsion engines, generating sets, compressors, deck houses etc.

Product Characteristics

All metal isolator with a spring in high tensile steel, cushions in 18/8 stainless steel. Housing in zinc plated steel.

Natural frequency: 5 – 9 Hz.

Mechanical strength: 5 g.

Temperature range: -90 °C – +300 °C

This isolator has the DNV type approval. [Read More.](#)

Product Applications

The task of the movement limiters is to only reduce the movements and from when the set-up is exposed to external forces.

The integrated motion limiters must be adjusted upon installation and when the engine is in its operating condition, i.e. when oil and water have been filled and all equipment has been assembled, this to achieve maximum isolation during operation.

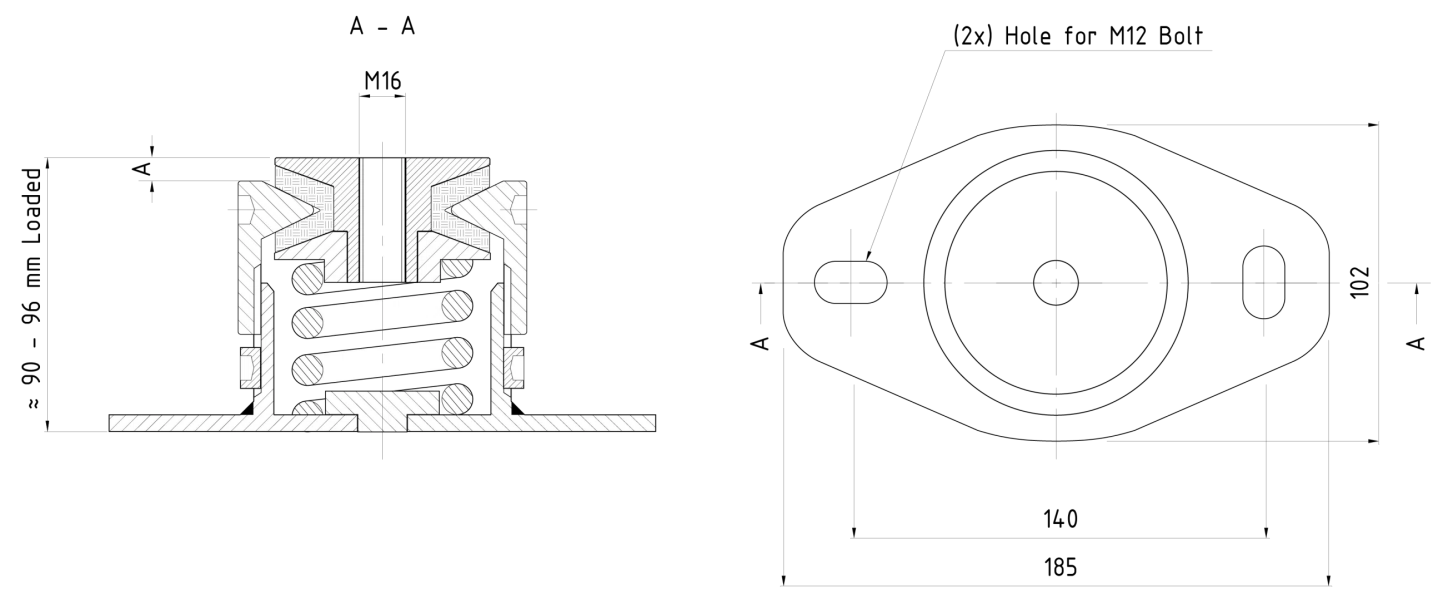
When the isolator is properly adjusted, only the spring should carry the static load. Any unevenness in the engine bed must be adjusted for with shims, see our installation instructions.

The installation should be carried out in the following order

- Compensation of unevenness in the engine bed
- Installation of the engine and isolators
- Adjustment of the integrated movement limitation of the isolators
- Alignment of the installation

For more information about installation procedures, download our instruction manual.

Technical Specifications





Spring isolator VT42XX technical specifications

spring-isolator-vt42xx-technical-specifications.xlsx

Load Ranges

Ref	Load range in daN (≈kg)	Damping	Amplification (Q)
VT4211	50 - 100	Low damping	6 - 10
VT4212	100 - 200	Low damping	6 - 10
VT4213	200 - 300	Low damping	6 - 10

Downloads



Installation manual:
Spring isolator
VT42XX | Swedish



Installation manual:
Spring isolator
VT42XX | English



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