

Spring Isolator VT41XX

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 150-800 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

A very soft isolator with integrated adjustable snubbing. Designed especially for suspension of mobile equipment.

Natural frequency: 5 – 9 Hz.

Maximum excitation amplitude: +1 mm

Mechanical strength: 5 g.

Temperature range: -90°C – +300°C.

Available in two different bottom plates. Please see our technical drawing for measurements.

Product Applications

Suspension of:

- propulsion engines
- generating sets
- compressors

...and more

Notes

The built in snubbers must be adjusted when the suspended equipment has its working condition. The adjustment is done by turning the upper part of the housing until a distance (A) of 2 mm is reached between the house and the snubbing cushions.

The height (H) of the mount should be between 105 – 115 mm, depending on the load.

With correctly adjusted snubbers the maximum movement will be ± 4 mm in all directions.

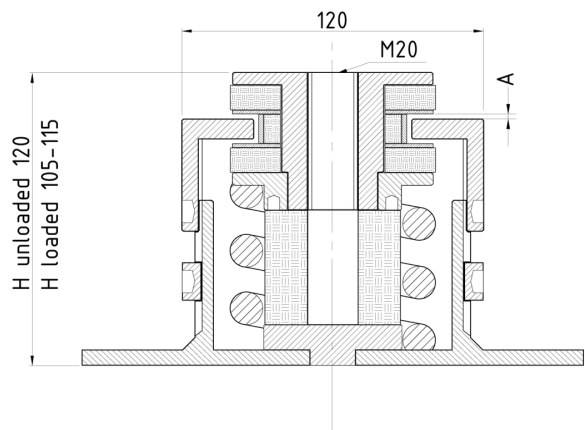
The installation should be carried out in the following order

- 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

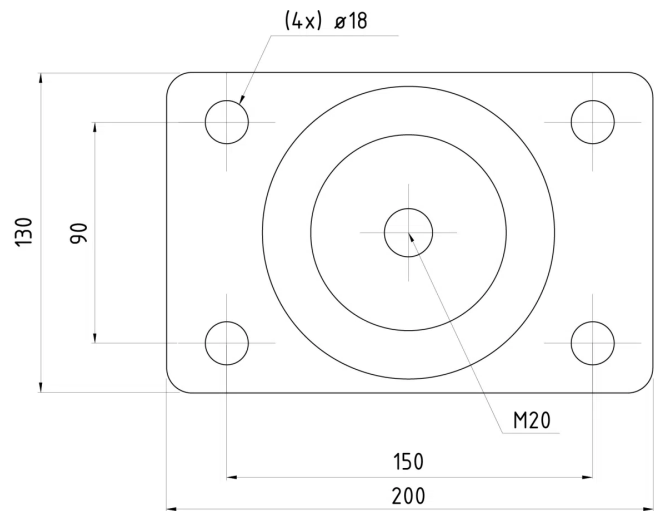
For more information about installation procedures, download our instruction manual.

Technical Specifications

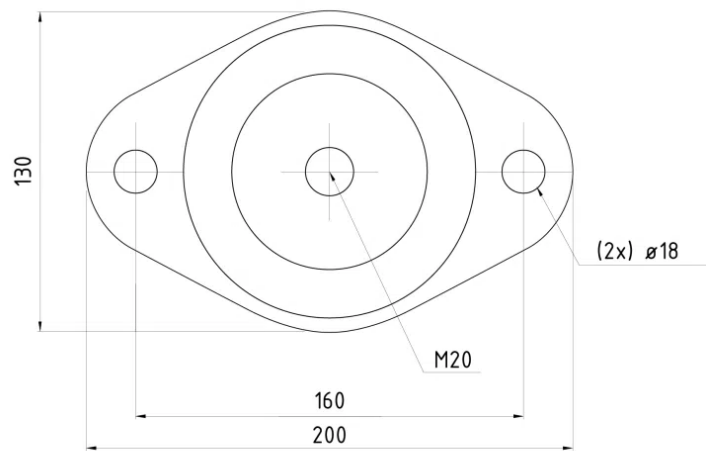
Spring isolator VT41XX



Bottom plate



Bottom plate VSP



 Spring isolator VT41XX technical specifications

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Load Ranges

Ref	Load range in daN (≈kg)	Damping	Amplification (Q)
VT4103	150 - 350	Undamped	8 - 12
VT4105	250 - 500	Undamped	8 - 12
VT4108	300 - 800	Undamped	8 - 12
VT4113	150 - 350	Low damping	6 - 10
VT4115	250 - 500	Low damping	6 - 10
VT4118	300 - 800	Low damping	6 - 10
VT4119	1000 - 1300	Low damping	6 - 10
VT4123	150 - 350	High damping	3 - 5
VT4125	250 - 500	High damping	3 - 5
VT4128	300 - 800	High damping	3 - 5
VT4129	1000 - 1300	High damping	3 - 5

Downloads



Installation manual:
Spring isolator
VT41XX | Swedish



Installation manual:
Spring isolator
VT41XX | English



Contact information

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