



VT4414-05 and VT4414 (from left to right: suffix 01 to 07)



VT4424 spring isolators

Spring Isolators VT4414 & VT4424

This is a metal isolator made with a spring in high tensile steel, resilient cushion of 18/8 stainless steel wire mesh. Excellent for vibration isolation because of its very low natural frequency of 3 – 4 Hz, designed for loading in compression only.

Application areas

Isolation of low speed rotating machines such as fans, compressors, generating sets, engines, and protection of sensitive equipment from vibrations.

Note

The mounts are delivered without mounting plate, which can be ordered separately. For greater static loads, use multiple element isolators (consult us).

Characteristics

Weight VT4414 (depending on suffix)	0.15 – 0.28 kg
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Weight VT4424 (depending on suffix)	1.20 – 1.50 kg
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Maximum excitation amplitude	± 1 mm
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Mechanical strength	2 g
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Natural frequency	3 – 4 Hz
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Amplification factor Q	< 8
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Temperature range	-90° to +300° C
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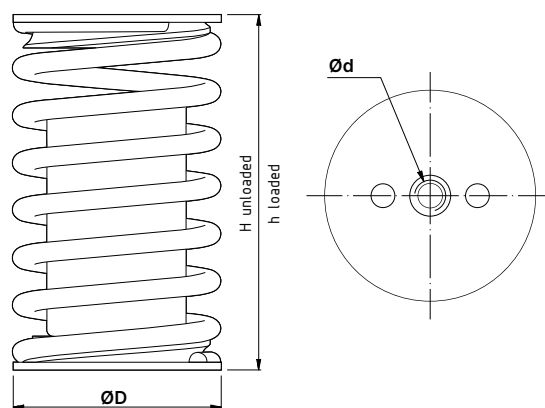
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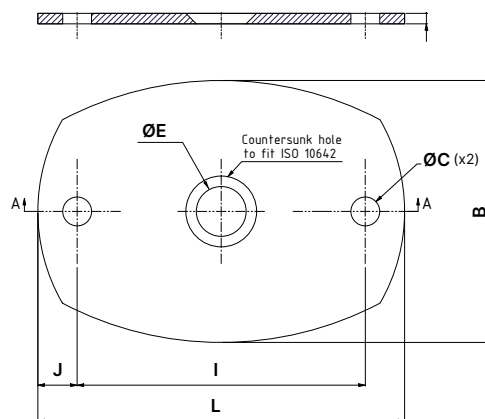
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Dimensions spring isolator (mm)



Dimensions mounting plate (mm)



Dimensions for spring isolators VT4414 and VT4414

Isolator	D	d	H	h
	(mm)	(mm)	(mm)	(mm)
VT4414	50	M10	90	70 ± 5
VT4424	80	M12	140	120 ± 5

Dimensions for mounting plates for VT4414 and VT4414

Isolator	L	I	B	C	E	Thickness
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
VT4414	90	69.6	60	7	11	4
VT4424	140	110	100	11	13	4

Load Range

Isolator suffix	Load range in daN (≈kg)		Stiffness (N/mm)	
	VT4414	VT4424	VT4414	VT4424
-01	5 - 7	40 - 85	3	47
-02	6 - 9	65 - 125	4	57
-03	9 - 14	110 - 190	5	68
-04	14 - 20	175 - 270	9	98
-05	20 - 30	250 - 400	14	132
-06	30 - 50	300 - 420	20	175
-07	50 - 85	400 - 650	33	272

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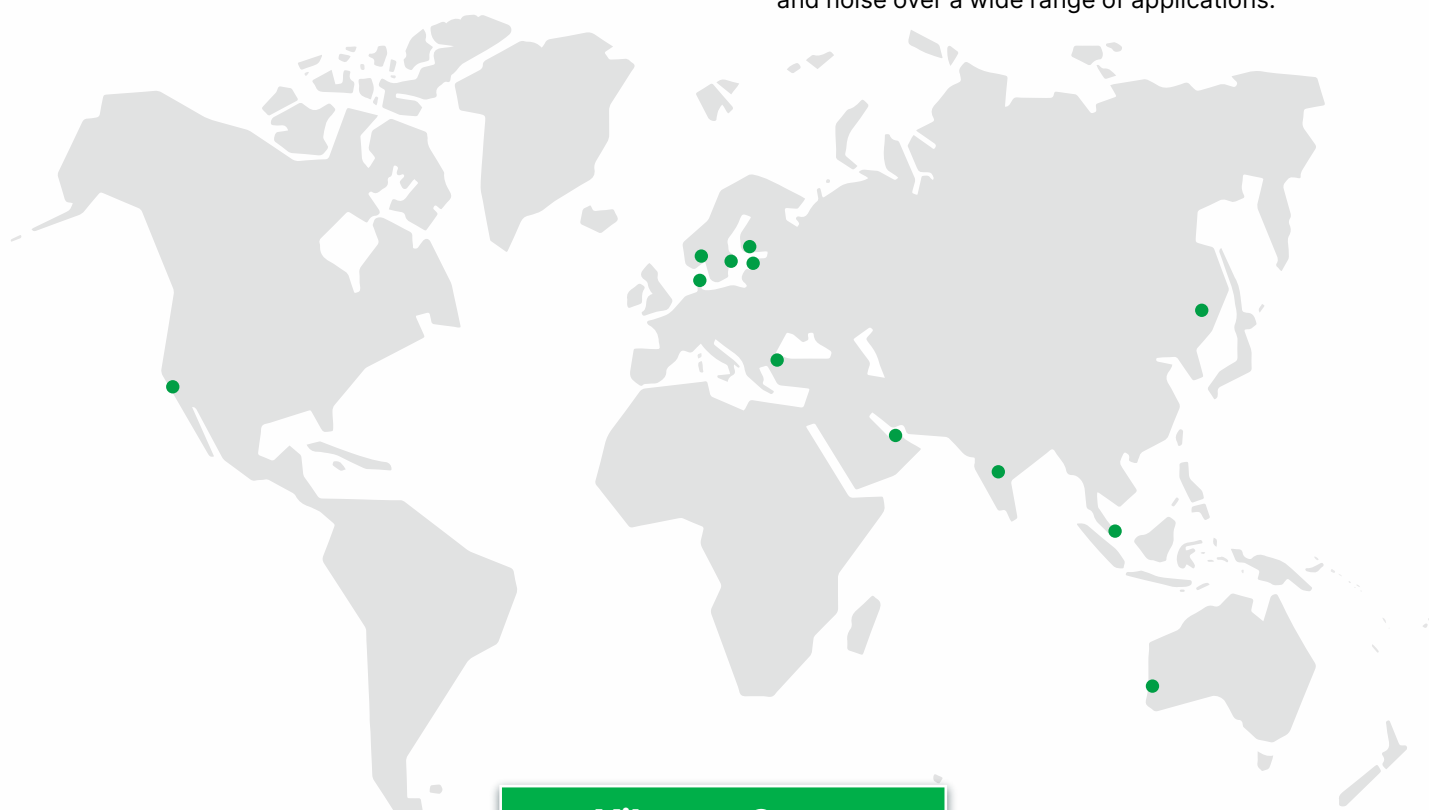
Quietly Improving Your Environment

Engineering, Production and Installation

Vibratec has extensive experience, combined with the use of modern tools, when we design and manufacture tailor made solutions in all areas of vibration and noise reduction. Vibratec performs test to evaluate mechanical, physical and long term behaviour on materials as well as complete solutions.

Construction, Defence, Industrial, Marine, Offshore and Railway

Vibratec Akustikprodukter is one of Scandinavia's leading suppliers of noise and vibration solutions. Vibratec's ambition is to become the preferred choice for customers who need solutions to noise, vibration and shock problems. Vibratec produce and store many products for damping and isolation of vibration, shock and noise over a wide range of applications.



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