



Spring Isolators VT4413 and VT4423

This is a steel spring with a resilient element in stainless steel. Excellent for vibration isolation because of its very low natural frequency of 5-6 Hz. The VT4413 is a series of smaller springs from 1 to 10 and a load range spanning from 5 to 145 kg. The VT4423 is a series of seven larger springs with a load range spanning from 30 kg up to 590 kg. For specific load ranges per spring isolator; view their information from the technical specification sheet below.

Product Characteristics

Very soft to soft isolators designed for loading in compression only.

Scrolls: aluminium

Weights for **VT4413** (depending on suffix): 0.13 – 0.21 kg

Weights for **VT4423** (depending on suffix): 1.20 – 1.50 kg

Maximum excitation amplitude: ± 1 mm.

Mechanical strength: 2 g

Natural frequency: 5 – 6 Hz

Amplification factor: < 5

Temperature range: -90° to $+300^{\circ}$ C.

Product Applications

Isolation of machines rotating at 600 rpm and up to 800 rpm – fans, compressors, generating sets, engines etc. with or without seismic blocks. Protection of fragile equipment from vibrations.

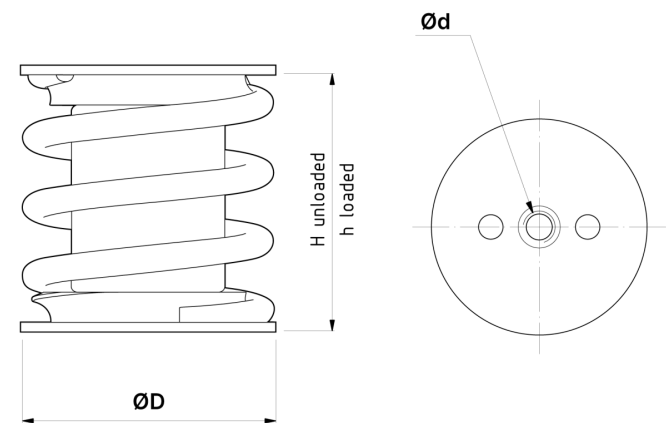
For machines with rotations of 800 rpm and over see our spring isolators [VT4412](#) and [VT4422](#).

Note

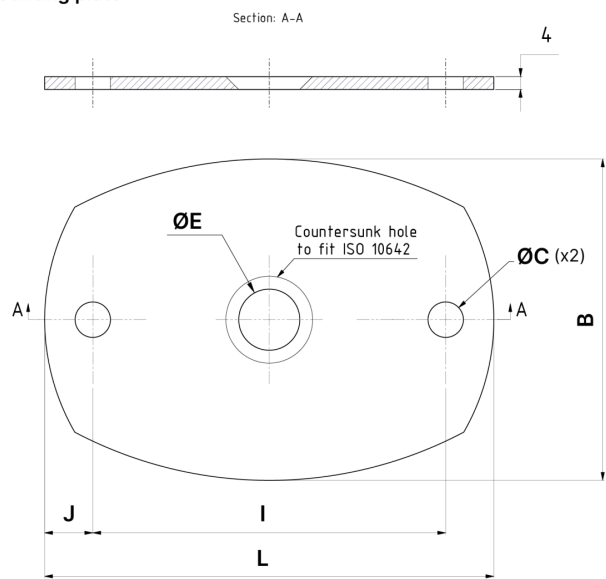
The mounts are delivered without mounting plate, which can be ordered separately. For greater static loads, multiple spring isolators are mounted together as a package. View our [spring packages](#) or consult us.

Technical Specifications

Spring Isolator



Mounting plate



Spring isolators VT4413 and VT4423 technical specifications

spring-isolator-vt4413-and-vt4423-technical-specifications.xlsx

Load ranges

Suffix	Load range in daN (≈kg)		Stiffness (N/mm)	
	VT4413	VT4423	VT4413	VT4423
-01	5 - 7	30 - 50	6	39
-02	6 - 9	50 - 80	8	64
-03	9 -14	80 - 125	11	108
-04	14 - 20	125 - 195	18	167
-05	20 - 30	195 - 310	27	265
-06	30 - 50	310 - 420	40	353
-07	45 - 65	390 - 590	-	490
-08	60 - 95	-	-	-
-09	85 - 120	-	-	-
-10	100 - 145	-	-	-

Spring isolator dimensions

Ref.	D	d	H	h
	(mm)	(mm)	(mm)	(mm)
VT4413	50	M10	60	50 ± 2
VT4423	80	M12	90	80 ± 2

Mounting plate dimensions

Ref.	L	I	J	B	C	E	Thickness
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
Mounting plate for VT4413	90	69.6	10	60	7	11	4
Mounting plate for VT4423	140	110	15	100	11	13	4

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