



Spring Isolators VT4412 and VT4422

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 6 – 8 Hz. The VT4412 is a series of smaller springs from 1 to 6 and a load range spanning from 6 to 45 kg. The VT4422 is a series of seven larger springs with a load range spanning from 40 kg up to 725 kg. For specific load ranges per spring isolator; view their information from the technical specification sheet below.

Product Characteristics

Very soft spring isolators with low natural frequency designed for loading in compression only.

Scrolls: aluminium

Weights for **VT4412** (depending on suffix): 0.13 – 0.21 kg

Weights for **VT4422** (depending on suffix): 1.20 – 1.50 kg

Maximum excitation amplitude: ± 1 mm.

Mechanical strength: 2 g

Natural frequency: 6 – 8 Hz

Amplification factor: < 4

Temperature range: -90° to +300° C.

Product Applications

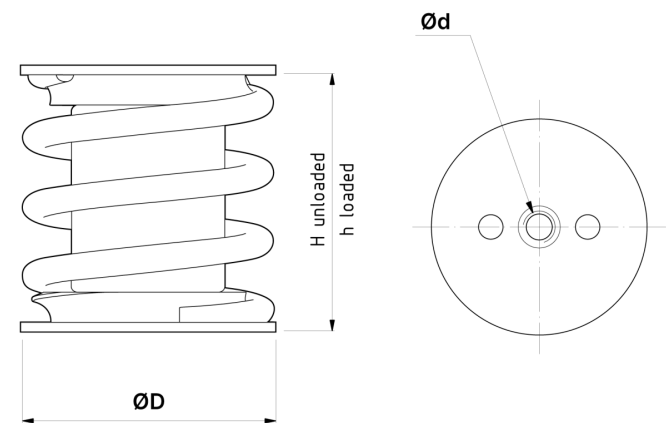
Vibration isolation of machines rotating at ≥ 800 rpm – fans, compressors, generating sets, engines etc. with or without seismic blocks. Protection of fragile equipment from vibrations.

Note

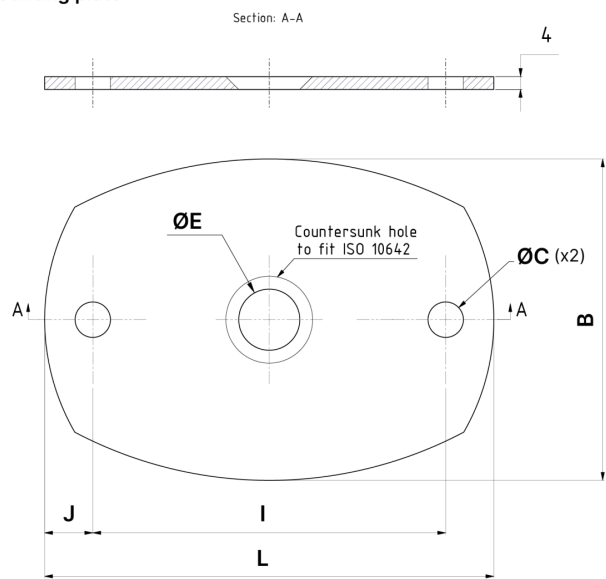
The mounts are delivered without mounting plate, which can be ordered separately. For greater static loads, multiple spring isolators are mounted together as a package. View our [spring packages](#) or consult us.

Technical Specifications

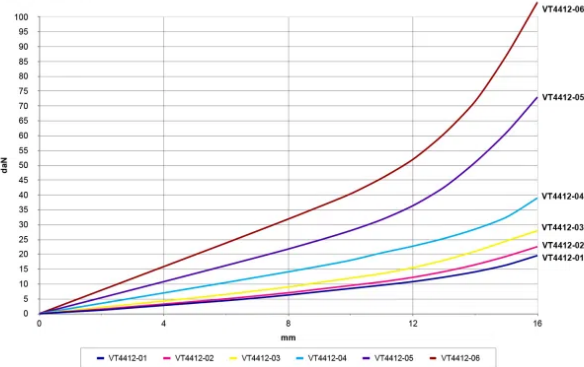
Spring Isolator



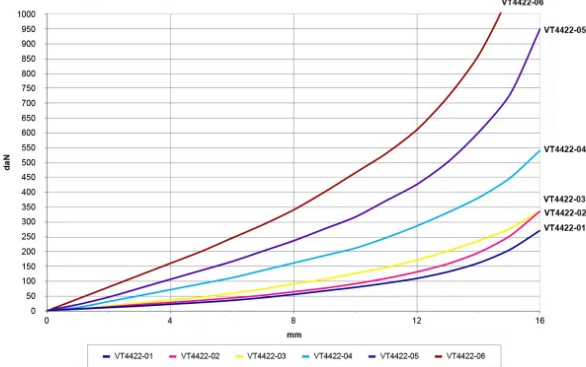
Mounting plate



Deflection curves for VT4412



Deflection curves for VT4422



Spring isolators VT4412 and VT4422 technical specifications

spring-isolator-vt4412-and-vt4422-technical-specifications.xlsx

Load ranges

Suffix	Load range in daN (≈kg)	
	VT4412	VT4422
-01	6 - 10	40 - 85
-02	8 - 14	65 - 125
-03	12 - 20	110 - 190
-04	18 - 30	175 - 270
-05	24 - 46	250 - 400
-06	40 - 75	360 - 560
-07	-	450 - 725

Spring isolator dimensions

Ref.	D	d	H	h
	(mm)	(mm)	(mm)	(mm)
VT4412	50	M10	60	50 ± 2
VT4422	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 VT4412	90	69.6	10	60	7	11	4
Mounting plate for VT4422	140	110	15	100	11	13	4

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