



Spring Isolator VT4414 and VT4424

All-metal isolator with a natural frequency of 3 – 4 Hz. Isolator with steel spring, damping element in 18/8 stainless steel wire and scrolls in aluminium.

Product Characteristics

Very soft isolators designed for loading in compression only.

Weights for **VT4414** (depending on suffix): 0.15 – 0.28 kg

Weights for **VT4424** (depending on suffix): 1.20 – 1.50 kg

Maximum excitation amplitude: ± 1 mm.

Mechanical strength: 2 g

Natural frequency: 3 – 4 Hz

Amplification factor Q: < 8

Temperature range: -90° to +300° C.

Product Applications

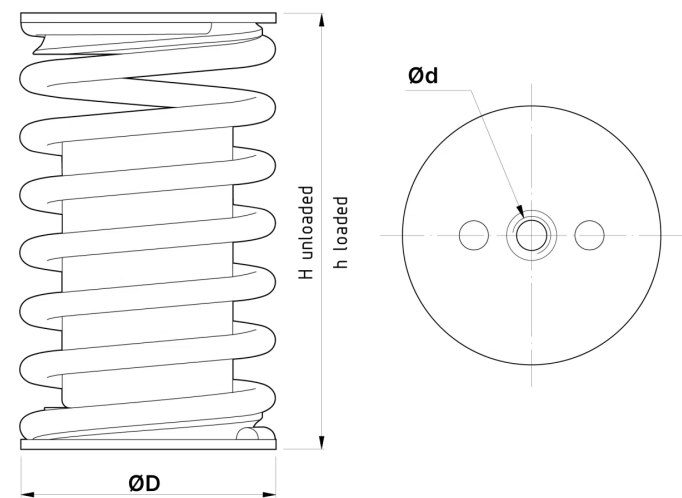
Isolation of low speed rotating machines such as fans, compressors, generating sets, engines, and protection of sensitive equipment from vibrations.

Note

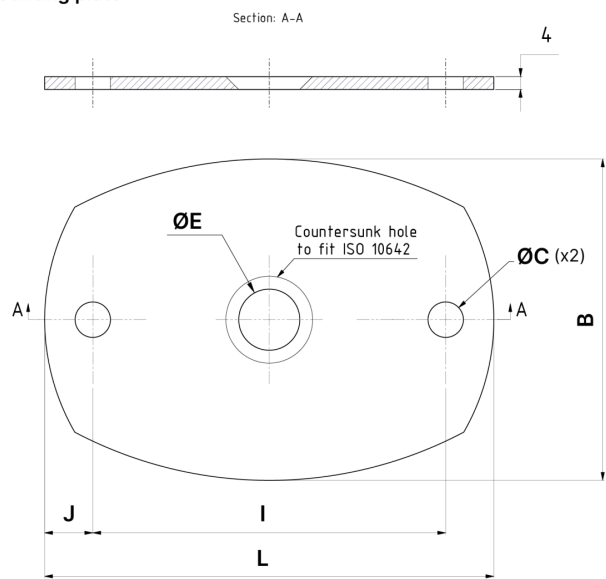
The isolators are delivered without mounting plate, which can be ordered separately. For greater static loads, multiple spring isolators are mounted together as a package. View our [spring packages](#) or consult us.

Technical Specifications

Spring Isolator



Mounting plate



 Spring isolators VT4414 and VT4424 technical specifications

spring-isolator-vt4414-and-vt4424-technical-specifications.xlsx

Load range

Suffix	Load range in daN (≈kg)		Stiffness (N/mm)	
	VT4414	VT4424	VT4414	VT4424
-01	5 - 7	70 - 110	3	47
-02	6 - 9	95 - 130	4	57
-03	9 - 14	125 - 160	5	68
-04	14 - 20	160 - 230	9	98
-05	20 - 30	210 - 310	14	132
-06	30 - 50	300 - 420	20	175
-07	50 - 85	400 - 650	33	272

Spring isolator dimensions

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

Mounting plate dimensions

Ref.	L	I	B	C	E	Thickness
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
Mounting plate for VT4414	90	69.6	60	7	11	4
Mounting plate for VT4424	140	110	100	11	13	4

Downloads



TDS | Spring isolator VT4414 and VT4424 – english

Contact information

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