



Spring Isolator VT44XX-DM

Springs with high-class anti-corrosion protection for use in harsh environment, outdoors in marine and offshore applications.

Product Characteristics

Very soft isolators designed for loading in compression only.

The springs are corrosion protected with pre-treatment Delta-Seal (zinc particles) and final surface treatment Magni 565. This provides high-class anti-corrosion protection and is particularly suited for springs without causing risk of hydrogen embrittlement. The end aluminum scrolls are protected with hard anodizing. This is an electrolytic surface treatment of aluminum which provides a very hard, corrosion resistant surface.

Maximum excitation amplitude: ± 1 mm.

Mechanical strength: 2 g.

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

Weight (depending on suffix): 1.2 – 1.5 kg

Product Applications

Isolation of machines – fans, compressors, generating sets, engines etc. with or without seismic blocks. Protection of fragile equipment from vibrations.

Spring Isolator VT4423

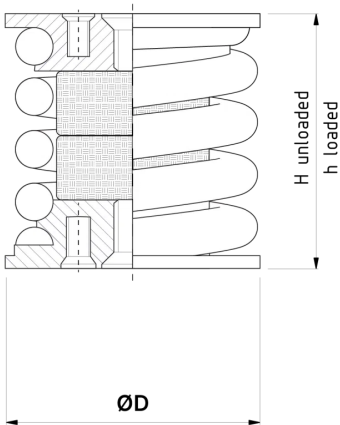
Isolation of machines rotating at 600 rpm and above

Spring Isolator VT4422

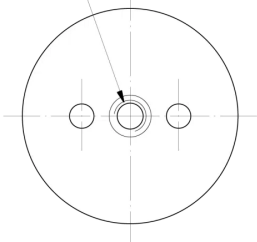
Isolation of machines rotating at 800 rpm and above

Technical Specifications

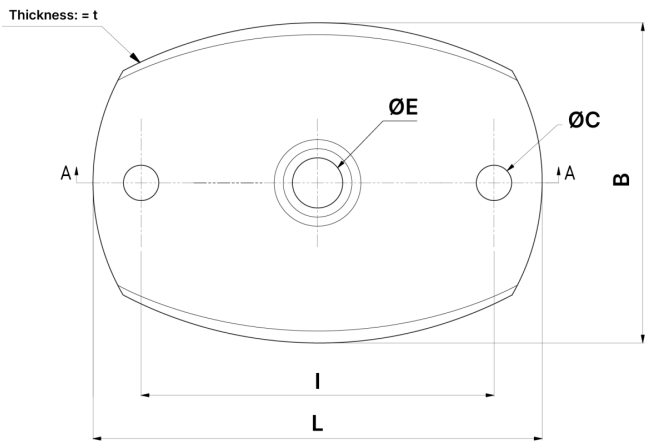
Spring Isolator



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Mounting plate



Spring Isolator Dimensions

Ref.	D	d	H	h
	(mm)	(mm)	(mm)	(mm)
VT4422	80	M12	90	80 ± 2
VT4423	80	M12	90	80 ± 2
VT4424	80	M12	140	120 ± 5

Mounting Plate Dimensions

Ref.	L	I	B	C	E	Thickness
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
VT4422	140	110	100	11	13	4
VT4423	140	110	100	11	13	4
VT4424	140	110	100	11	13	4

Load Ranges

Suffix	Load range in daN (≈kg)		
	VT4422	VT4423	VT4424
-01*	40 - 85	30 - 50	70 - 110
-02*	65 - 125	50 - 80	95 - 130
-03*	110 - 190	80 - 125	125 - 160
-04	175 - 270	125 - 195	160 - 230
-05	250 - 400	195 - 310	210 - 310
-06	360 - 560	310 - 420	300 - 420
-07	-	-	350 - 550
* Currently not in stock. Contact Vibratec for more information.			

Natural Frequency

Ref.	Natural frequency	Amplification factor
	(Hz)	
VT4422	6 - 8	< 4
VT4423	5 - 6	< 5
VT4424	3 - 4	< 8

Contact information

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