

VITR Overview

Applications

- Prevention of excessive movement due to thrust
- Attach to a structured floor or wall

Features

- Compact steel spring assembly
- Two, structural steel mounting brackets
- Anti-short circuit, rubber snubbing grommet
- Easy installation

Specifications

- 1" or 2" deflection
- 50% coil overload

VIB-ISO

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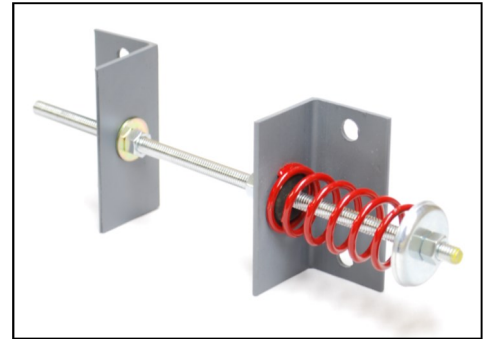
1-800-735-9645

VITR Thrust Restraint

The VITR system is VIB-ISO's noise and vibration reducing thrust restraint isolator. Designed to attach between a structure and an air handling piece of equipment, the VITR isolator will aid to reduce the vibration from large air handling equipment to the building structure.

Each VITR includes a compact, steel spring assembly which rests on an anti-short circuit, rubber snubbing grommet. A 12" all thread rod is mechanically fastened to two structural steel mounting brackets. The rod is adjustable to meet specific on-site requirements of the piece of equipment. The VITR isolator can be used individually or in pairs to counteract thrust and equalize the load produced by fans and other air handling equipment during operation.

VIB-ISO will engineer each VITR isolator to match the specified piece of equipment and meet any additional customer requirements. The VITR system is available in 1" or 2" deflection and is shipped fully assembled with the springs and structural steel mounting brackets attached at VIB-ISO to reduce onsite labor. Two mounting holes are provided on each load plate to allow for quick, on-site assembly requiring only basic tools for installation.



Assembled VITR Isolator

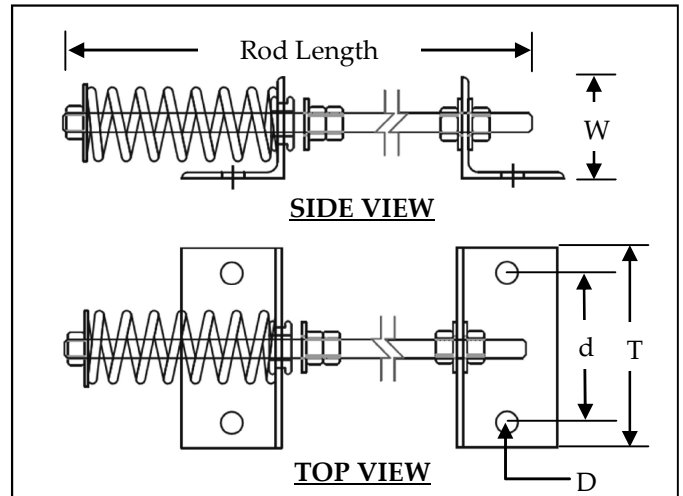
VITR Attributes

The VITR isolator is designed to reduce the vibration from most large-scale air handling equipment for buildings in which the end user demands critically quiet areas. High torque equipment that moves large volumes of air in a building should be isolated in order to prevent noise emanating to the building occupants. The VITR isolator will isolate these large pieces of equipment and their components from the building structure, thus limiting disruption to the end user.

The VITR isolator uses a compact, steel spring assembly as a resilient media to absorb the vast majority of the vibration energy emanating from air handling equipment. The VITR design meets all applicable industry standards, codes, and requirements. VIB-ISO's VITR isolator is recommended for isolating equipment with excessive movements due to thrust, torque or other large forces that produce vibration concerns including, but not limited to, fans, air handling equipment, ductwork, and other M/E/P equipment.

VITR Specifications

1. Compact, steel spring assembly.
2. Anti-short circuit, rubber snubbing grommet.
3. 12" all thread rod.
4. Structural steel mounting brackets.
5. Steel coil and brackets assembly, painted.
6. Minimum coil overload of 50%.
7. Available in 1 inch or 2 inch deflection.
8. 100% Made in the U.S.A.



VITR Types

ISOLATOR DIMENSIONS (INCHES)							
Housing	Rod Length	L	W	T	Rod Dia.	d	D
VITR	12	2	2	4	3/8 - 16	3	7/16

SPRING DATA (INCHES)					
HOUSING	TYPE	RATING	COLOR	FREE HT.	O.D.
VITR	1	30	BLUE	2.5	1.5
VITR	1	60	GREEN	2.5	1.5
VITR	1	120	RED	2.5	1.5
VITR	1	200	BLACK	2.5	1.5
VITR	1	500	YELLOW	3.25	1.5
VITR	1	850	GRAY	3.75	1.5
VITR	2	30	BLUE	3.75	1.5
VITR	2	60	GREEN	3.75	1.5
VITR	2	120	RED	3.75	1.5
VITR	2	200	BLACK	3.75	1.5
VITR	2	300	YELLOW	4.25	1.5
VITR	2	450	YELLOW/GRAY	4.25	1.5

For more information regarding the VITR isolator or any of the VIB-ISO products, please visit us on the web at www.vibiso.com.