

Cased Restrained Spring Mount - Model: SCRSM50

50 mm Standard Deflection

Catalogue Number : 9000119 : Rev. 02 Dated 13-01-2015

1. Compliance:

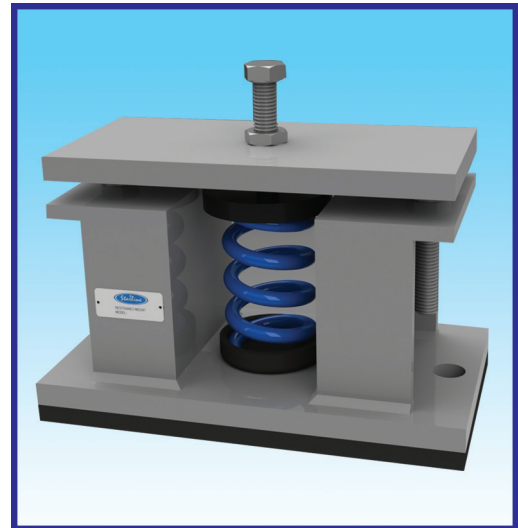
- 1.1 Designed to BS 1726 -1 : 1987
- 1.2 Tolerance to BS 1726-1 : 2002
- 1.3 SAE and Ashrae Guidelines for Vibration Isolation

2. Application:

These are normally recommended for the type of applications which are having significant amount of fluids in motion such as Cooling Towers, Boilers, Air Cooled & Water Cooled Chillers, Centrifugal Pumps, Reciprocation, Screw & Centrifugal Compressors. These are also recommended for areas subjected to high wind velocity, seismic activity areas, Factories for package units, condensing units and other equipments.

3. Product Features:

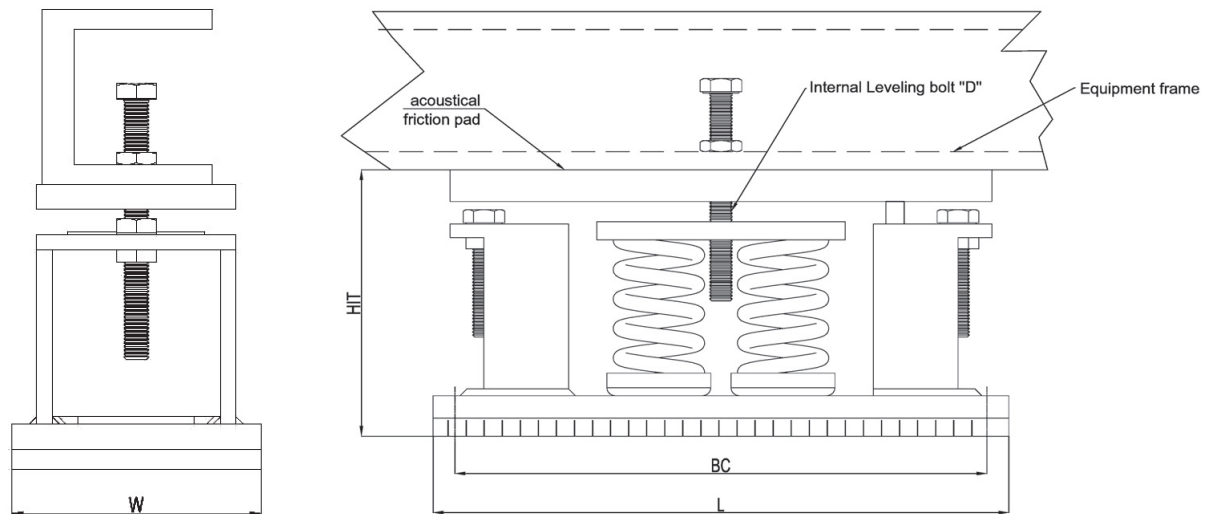
- 3.1 Multi Directional Restraint with Vertical Limit Stops, which limits movement of connected machinery in case of transient loading.
- 3.2 Replaceable Springs.
- 3.3 Epoxy Powder Coated or Hot Dipped Galvanized body.
- 3.4 Springs are designed to have a deflection of 50 mm at rated Load on maximum 60% compression length and with 50% overload capacity to compensate for unexpected Load Variations and to reduce Operating Stress.
- 3.5 Casings are manufactured with Closed Guided Restraining Plates fitted with Resilient Neoprene Snubbers and Hold Down Bolt which limit movement of Machinery to maximum of 3 mm. The Neoprene Snubbers are provided around hold down bolts to prevent metal to metal contact.
- 3.6 Provided with Neoprene Base Pad which can isolate High Frequency Vibrations of audible range.
- 3.7 Built-in Levelling arrangements.
- 3.8 The Restraining System is capable to withstand 1.0 g Acceleration Force.
- 3.9 Springs and Casings have Epoxy Powder Coated finish, rated to withstand 1000 hours of Salt Spray Testing as per ASTM B117 Test Procedure.
- 3.10 The springs are designed to have horizontal stiffness more than vertical stiffness exceeding ASHRAE GUIDE line which is 0.85 to 1.0
- 3.11 The Neoprene Casing provided below springs will eliminate metal to metal contact during operating and isolate high frequency vibrations of audible range.
- 3.12 All springs are provided with colour coding for easy identification.



SELECTION TABLE - FOR 50 mm DEFLECTION CASED RESTRAINED SPRING MOUNT
(Table No. : C-39-01)

Isolator Model	Rated Load (kg)	Colour Code	Dimensions (mm)					
			L	W	H*	BC	D	d
SCRSM50-B50	50	Red	160	70	120	130	½"	14
SCRSM50-B100	100	Yellow						
SCRSM50-B150	150	Blue						
SCRSM50-C200	200	Green	200	90	146	170	5/8"	14
SCRSM50-C250	250	Red						
SCRSM50-C300	300	Black						
SCRSM50-C400	400	Yellow						
SCRSM50-C500	500	Black / Green						
SCRSM50-C600	600	Yellow / Green						
SCRSM50-G700	700	Black	235	115	182	205	5/8"	14
SCRSM50-G800	800	Yellow						
SCRSM50-G1000	1000	Blue						
SCRSM50-G1200	1200	Blue / Green						
SCRSM50-G1400	1400	Blue / Brown						
SCRSM50-2G1600	1600	Yellow	330	115	194	290	7/8"	18
SCRSM50-2G2000	2000	Blue						
SCRSM50-2G2400	2400	Blue / Green						
SCRSM50-2G2800	2800	Blue / Brown						
SCRSM50-4G3200	3200	Yellow	340	200	200	300	1"	18
SCRSM50-4G4000	4000	Blue						
SCRSM50-4G4800	4800	Blue / Green						
SCRSM50-4G5600	5600	Blue / Brown						
SCRSM50-6G7200	7200	Blue / Green	434	200	-	384	1" (2 bolts)	22 (4 bolts)
SCRSM50-6G8400	8400	Blue / Brown						
SCRSM50-8G9600	9600	Blue / Green	528	200	-	478	1" (3 bolts)	22 (4 bolts)
SCRSM50-8G11200	11200	Blue / Brown						

* Represents average free height in each grouping of models. Height of some models in group may vary slightly from this figure.



Note:

- Restrained mounts shall be provided with sufficient anchorage to ensure proper functioning
- The spacer provided between top and bottom plates shall be removed after installation.
- While selecting the springs the maximum transient loading including supports shall be considered. It is recommend to add 15% safety factor for loads.

