Cased Restraind Spring Mount - Model: SCRSM

25 mm Standard Deflection

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:

Isolation of Seismic Vibrations for Pumps, Boilers, Cooling Towers, Compressors etc.

3. Product Features:

3.1 Multi Directional Restraint with Vertical Limit Stops.

3.2 Replaceable Springs.

3.3 Epoxy Powder Coated / Hot Dipped Galvanized body.

3.4 Springs have a deflection of 25 mm at Rated Load and are designed with 50% overload capacity to compensate for unexpected Load Variations and to reduce Operating Stress.

3.5 Casing incorporate Restraining Plates fitted with Resilient Neoprene Snubbers and Hold Down Bolt which limit movement of Machinery to maximum of 3 mm.

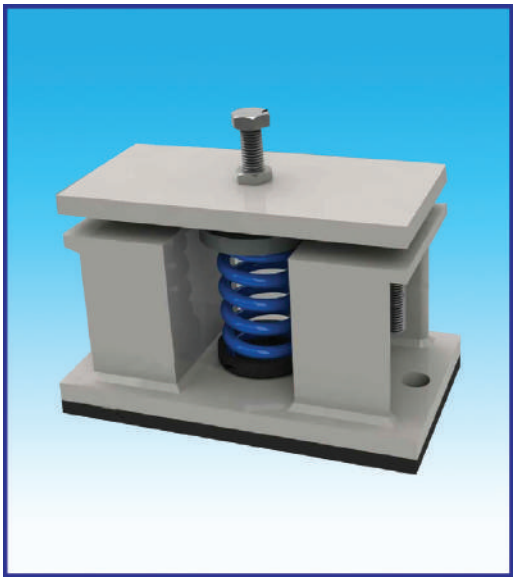
3.6 Provided with Neoprene Base Pad which can isolate High Frequency Vibrations of audible range.

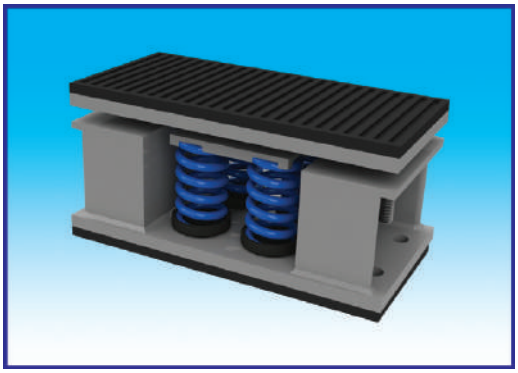
3.7 Built-in Levelling arrangements.

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 Horizontal Stiffness of Springs are 80% of Vertical Stiffness. The Springs are designed to have maximum 60% of deflection at Rated Load.

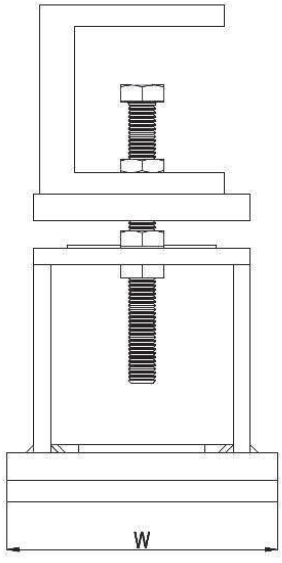


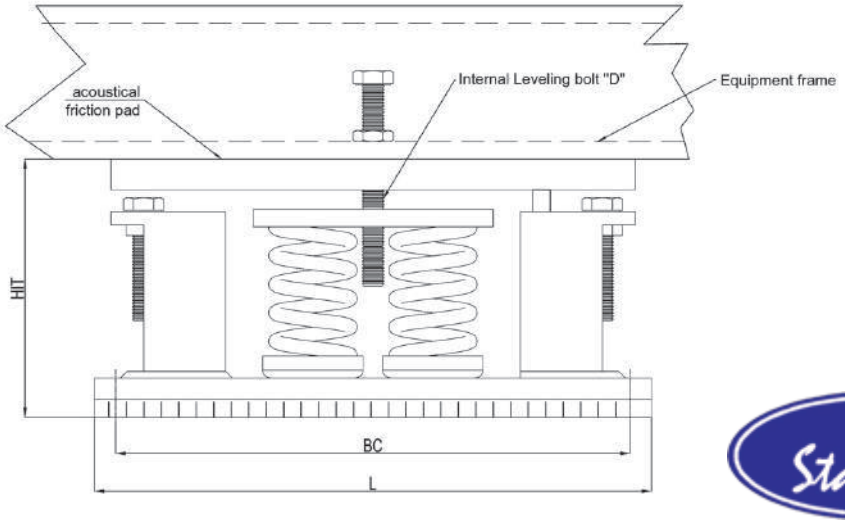


SELECTION TABLE - FOR 25 mm DEFLECTION CASED RESTRAINED SPRING MOUNT
(Table No. : C-37-01)

Isolator Model	Rated Load (kg)	Colour Code	Dimensions (mm)					
			L	W	H*	BC	D	d
SCRSM-A25	25	Green	125	60	103	95	½"	14
SCRSM-A100	100	Black						
SCRSM-A150	150	Yellow						
SCRSM-B200	200	Blue	160	70	120	130	½"	14
SCRSM-B250	250	Grey						
SCRSM-B300	300	Orange						
SCRSM-C400	400	Black	200	90	162	170	5/8"	14
SCRSM-C500	500	Yellow						
SCRSM-C600	600	Blue						
SCRSM-C700	700	Grey						
SCRSM-C800	800	Brown	200	90	162	170	5/8"	14
SCRSM-C1000	1000	Grey						
SCRSM-C1200	1200	Orange						
SCRSM-C1600	1600	Green	290	90	192	250	7/8"	18
SCRSM-C2000	2000	Pink						
SCRSM-C2400	2400	White						
SCRSM-C2800	2800	Purple						
SCRSM-C3200	3200	Purple / Yellow						
SCRSM-C4000	4000	Purple / White						

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





Note:

- *Due to policy of continual improvement, the specifications are subject tot change without prior notice.*
- *Measurements are subject to 5% tolerance.*
- *To achieve good sound suppression, do not overload fitting.*

Cased Restraind Spring Mount - Model: SCRSM50

50 mm Standard Deflection

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.

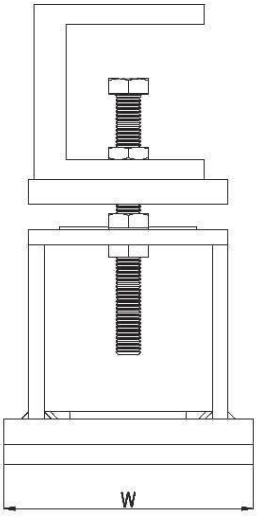
3. Product Features:

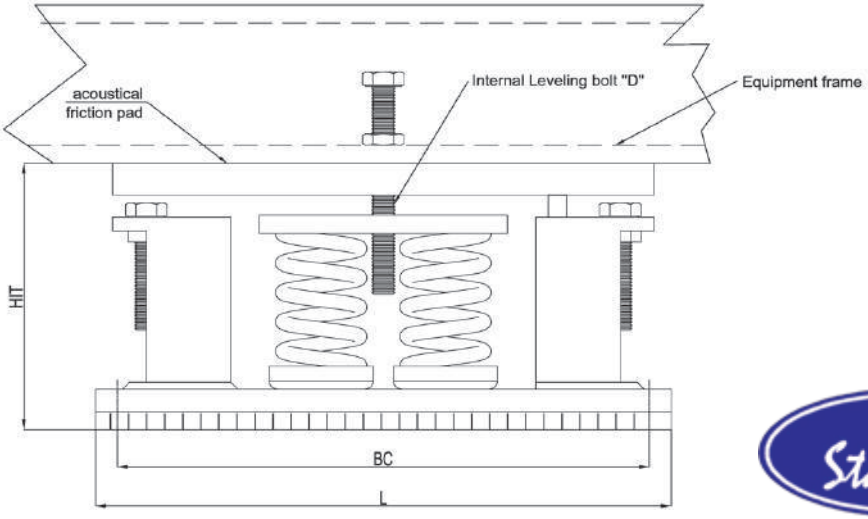
3.1 Multi Directional Restraint with Vertical Limit Stops, which limits movement of connected machinery in case of transient loading.
3.2 Replaceable Springs.
3.3 Epoxy Powder Coated or Hot Dipped Galvanized body.
3.4 Springs are designed to have a deflection of 50 mm at rated Load on maximum 60% compression 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.*