Spring Hanger – Light Duty

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:**

   Generally for light duty applications like small fans, humidifiers, variable air volume boxes, small fan coil units, small size piping and air ducting in mechanical rooms.
3. **Product Features:**
   - 3.1. The Springs are designed to have a stiffness ratio more than unity which ensures buckle free operation throughout load range.
   - 3.2. Suspension rod misalignment (30-degree arc) is compensated in hanger design.
   - 3.3. Locking rubber bush centralizes the spring and prevents dislocation.
   - 3.4. Springs are powder coated with appropriate colour coding to facilitate identification.
   - 3.5. Frame is made of G.I. steel and powder coated to 100 microns paint thickness (exceeds 1000 hours of salt spray test) and conforming to ASTM B-117.

     Options:

     3.5.1. Frame and Spring Hot Dip Galvanised (Prefix Part Number with “HDG”).

     3.5.2. Spring Neoprene Coated (Prefix Part Number with “N”).

     3.5.3. Spring Plastic Coated (Prefix Part Number with “P”).

     3.5.4. Frame and Spring Hot Dip Galvanised with Neoprene Rubber. Coating (Prefix Part Number with “HDGN”).
   - 3.6. The Springs are designed to have additional 50% of rated load at 1.5 of rated deflection.
4. **Selection/Ordering:**

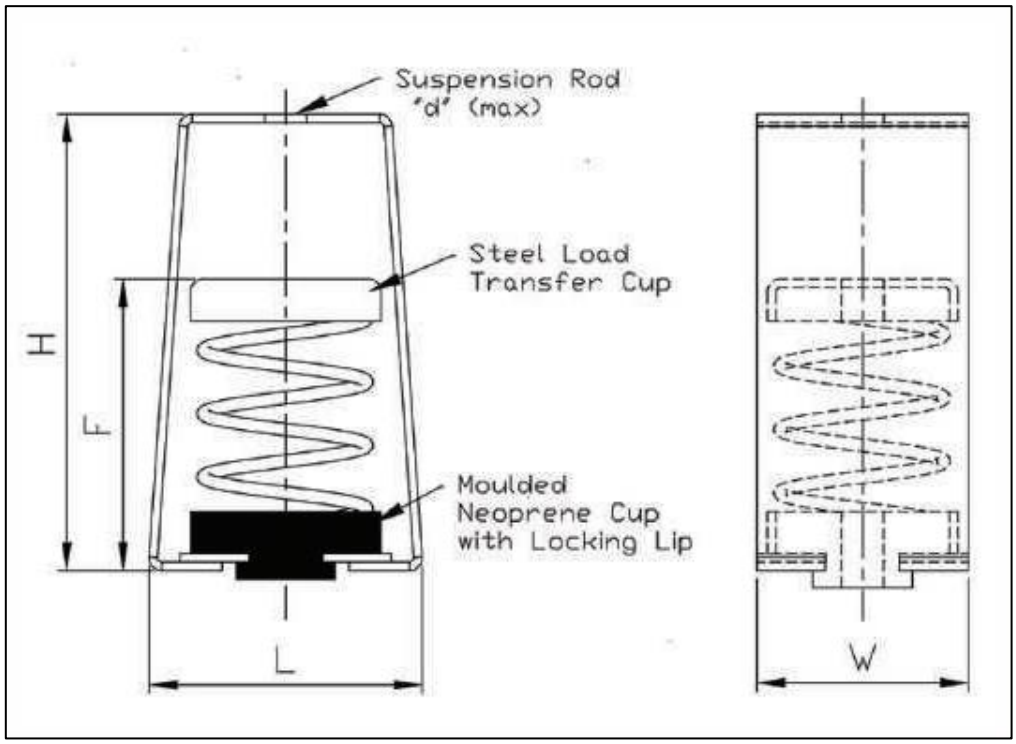
   Point load (Calculated to include all variables such as weight of water in pipe lines etc if applicable).
5. **Installation Guidelines:**

   Included in packaging.

SPECIFICATION

Isolator Model	Rated Deflection	Rated Load (kg)	Spring Colours	Dimensions (mm)				
				L	W	F*	H	d(max)
BSHL-M6	13 mm	6	Orange	65	50	54	85	M10
BSHL-M9		9	Grey					
BSHL-M15		15	Blue					
BSHL-M21		21	Green					
BSHL-M28		28	White					
BSHL-P6	25 mm	6	Green	65	50	70	105	M10
BSHL-P9		9	Red					
BSHL-P15		15	Black					
BSHL-P21		21	Yellow					
BSHL-P28		28	Blue					
BSHL-P35		35	Grey					
BSHL-P50		50	Orange					

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



Note:

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

Spring Hanger
25mm 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:**

   Spring Hangers are used for isolation of vibration produced by suspended mechanical equipment, low speed suspended fan, transformers, duct work, piping etc… These are especially recommended for isolating any suspended source of audible / inaudible noise and vibration with minimum static deflection requirement exceeding 13 mm and up to 25 mm.
3. **Product Features:**
   - 3.1. The Springs are designed to have a stiffness ratio more than unity which ensures buckle free operation throughout load range.
   - 3.2. Suspension rod misalignment (30-degree arc) is compensated in hanger design.
   - 3.3. Locking rubber bush centralizes the spring and prevents dislocation.
   - 3.4. Springs are powder coated with appropriate colour coding to facilitate identification.
   - 3.5. Frame is made of G.I. steel and powder coated to 100 microns paint thickness (exceeds 1000 hours of salt spray test) and conforming to ASTM B-117.

     Option:
     - Frame Hot Dip Galvanized. Part Number prefix with “HDG”.
     - Spring Neoprene Coated. Part Number prefix with “N”.
     - Spring Plastic Dip Coated. Part Number prefix with “P”.
   - 3.6. Isolation Brackets are capable of overloading upto 500%.
   - 3.7. The Springs are designed to have additional 50% of rated load at 1.5 of rated deflection.
4. **Selection/Ordering:**

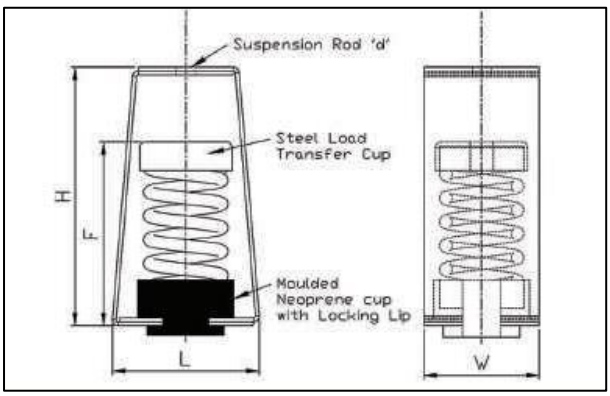
   Point load (Calculated to include all variables such as weight of water in pipe lines etc. if applicable).
5. **Installation Guidelines:**

   Included in packaging.

Bestfit

SPECIFICATION

Isolator Model	Rated Load (kg)	Spring Colours	Dimensions (mm)				
			L	W	F	H	d
BSH25-A25	25	Green	75	60	80	120	M12
BSH25-A30	30	Brown					
BSH25-A50	50	Black					
BSH25-A60	60	Yellow					
BSH25-A75	75	White					
BSH25-A100	100	Blue					
BSH25-A150	150	Grey					
BSH25-A200	200	Orange					
BSH25-A250	250	Red					
BSH25-A300	300	Purple					
BSH25-B200	200	Green	83	80	96	145	M12
BSH25-B250	250	Brown					
BSH25-B300	300	Grey					
BSH25-B400	400	Purple					
BSH25-C400	400	Brown	90	80	105	160	M20
BSH25-C500	500	Grey					
BSH25-C600	600	Orange					
BSH25-C700	700	Green					
BSH25-2C800	800	Brown	200	100	105	170	M30
BSH25-2C1000	1000	Grey					
BSH25-2C1200	1200	Orange					
BSH25-2C1400	1400	Green					
BSH25-2C1600	1600	Brown*					
BSH25-2C1800	1800	Grey*					
BSH25-2C2000	2000	Orange*	200	100	105	170	M36
BSH25-2C2200	2200	Green*					
BSH25-2C2400	2400	Orange**					



- Spring Hangers with Higher Capacity available on application

* With White Core Spring

** With Blue Core Spring

Note:

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

Spring Hanger
50mm 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:**

   Spring Hangers are used for isolation of vibration produced by suspended mechanical equipment, low speed suspended fan, transformers, duct work, piping etc… These are especially recommended for isolating any suspended source of audible / inaudible noise and vibration with minimum static deflection requirement exceeding 25 mm and upto 50 mm.
3. **Product Features:**
   - 3.1. The Springs are designed to have a stiffness ratio more than unity which ensures buckle free operation throughout load range.
   - 3.2. Suspension rod misalignment (30-degree arc) is compensated in hanger design.
   - 3.3. Locking rubber bush centralizes the spring and prevents dislocation.
   - 3.4. Springs are powder coated with appropriate colour coding to facilitate identification.
   - 3.5. Frame is made of G.I. steel and powder coated to 100 microns paint thickness (exceeds 1000 hours of salt spray test) and conforming to ASTM B-117.

     Option :
     - Frame Hot Dip Galvanized. Part Number prefix with “HDG”.
     - Spring Neoprene Coated. Part Number prefix with “N”.
     - Spring Plastic Dip Coated. Part Number prefix with “P”.
   - 3.6. Isolation Brackets are capable of overloading upto 500%.
   - 3.7. The Springs are designed to have additional 50% of rated load at 1.5 of rated deflection.
4. **Selection/Ordering:**

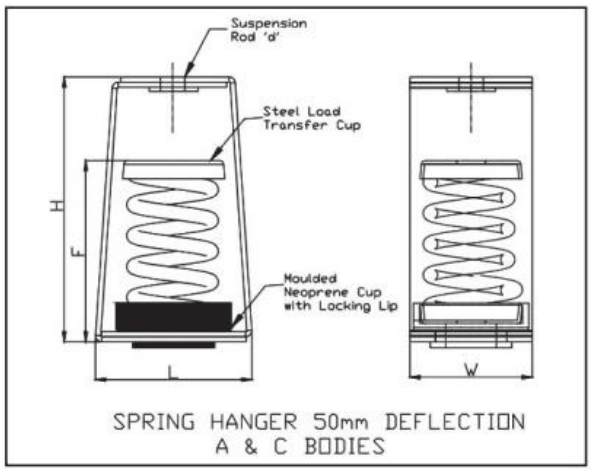
   Point load (Calculated to include all variables such as weight of water in pipe lines etc if applicable).
5. **Installation Guidelines:**

   Included in packaging.
6. **Options:**
   - 6.1. Spring Hangers of Higher Capacity and Deflection shall be Engineered as per Specific Requirements. Nomenclature for Special Engineered.
   - 6.2. Spring Hangers shall be BSH(XXX - Deflection-G(XXXXX-Load).

Bestfit

SPECIFICATION

Isolator Model	Rated Load (kg)	Spring Colours	Dimensions (mm)				
			L	W	F	H	d
BSH50-A10	10	Brown	90	80	120	170	M12
BSH50-A15	15	Orange					
BSH50-A30	30	Green					
BSH50-A40	40	Red					
BSH50-A60	60	White					
BSH50-A100	100	Blue					
BSH50-A150	150	Black					
BSH50-A200	200	Yellow					
BSH50-A250	250	Purple					
BSH50-A300	300	Grey					
BSH50-C400	400	Green	120	100	160	220	M20
BSH50-C500	500	Yellow					
BSH50-2C600	600	Grey	220	100	160	240	M30
BSH50-2C800	800	Green					
BSH50-2C1000	1000	Yellow					
BSH50-2C1200	1200	Yellow*					
BSH50-2C1400	1400	Yellow**					
BSH50-2C1600	1600	Yellow***					
BSH50-4C2000	2000	Yellow	220	200	160	240	M36
BSH50-4C2400	2400	Yellow**					
BSH50-4C2800	2800	Yellow**					
BSH50-4C3200	3200	Yellow***					



SPRING HANGER 50mm DEFLECTION
A & C BODIES

➢ Spring Hangers with higher capacity available on application

* With WHITE Core Spring

** With BLUE Core Spring

*** With BLACK Core Spring

Note:

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