Rubber Design
vibration and noise control

DOCUMENTATION SHEET

Steel Spring Isolator
Type SH2

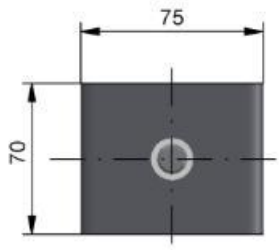
SH2

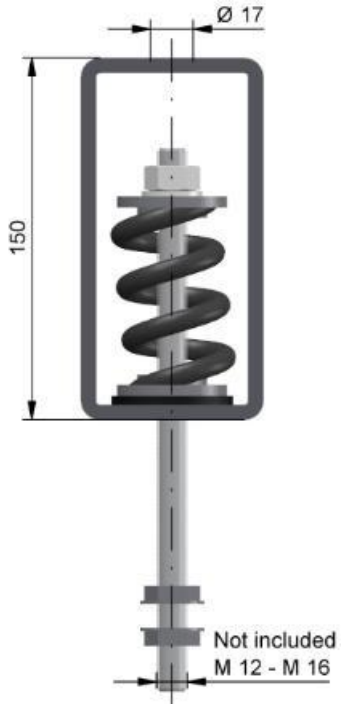
General

Spring hanger units type SH.1 and SH.2 are designed to support pipelines and will stabilise installations. Placed at the right angle the spring hangers will stabilise the equipment in one plane.

Applications

- Generator sets
- Emergency power supplies
- DC-AC converters
- Industrial fans
- Air-handling units
- Pumps
- Air-conditioning machines
- Compressor packages
- Electrical equipment
- Refrigerators
- Cooler units





DIMENSIONS

Type	Cz [N/mm]	Cx, y [N/mm]	Fz max [N]	Fz preferential [N]
SH2-253	43,8	Depending on rod length	1112	963
SH2-352	61,3	Depending on rod length	1557	1348
SH2-440	65,7	Depending on rod length	1669	1445
SH2-550	96,3	Depending on rod length	2447	2119
SH2-638	114,6	Depending on rod length	2911	2521
SH2-715	131,4	Depending on rod length	3336	2890

CHARACTERISTICS

Isolator selection

This described isolator selection is based on the vertical load of the isolators, if required seismic and 6 DOF calculations can be performed by our specialists.

1. Determine the total weight of the machine to be isolated, including work load
2. Determine the position of the combined centre of gravity in horizontal and vertical planes
3. Decide the number of isolators and the positions where the isolators are to be placed relative to the combined centre of gravity
4. Calculate the load per isolator
5. Select with the help of the preferential load in the table the suitable type of mounting

We recommend selection of the isolators be made with the load per isolator within + or - 10% of the preferential load. The static deflection of the isolator is calculated by dividing the load per isolator by the stiffness Cz given in the table for the selected isolator.

Rubber Design B.V.
Industrieweg 21
2995BE Heerjansdam
The Netherlands
Phone: +31 (0)78 677 87 78
Fax: +31 (0) 78 677 10 38
Email: info@rubberdesign.nl
Web: www.rubberdesign.nl