



## DOCUMENTATION SHEET

### Steel Spring Isolator Type SH1

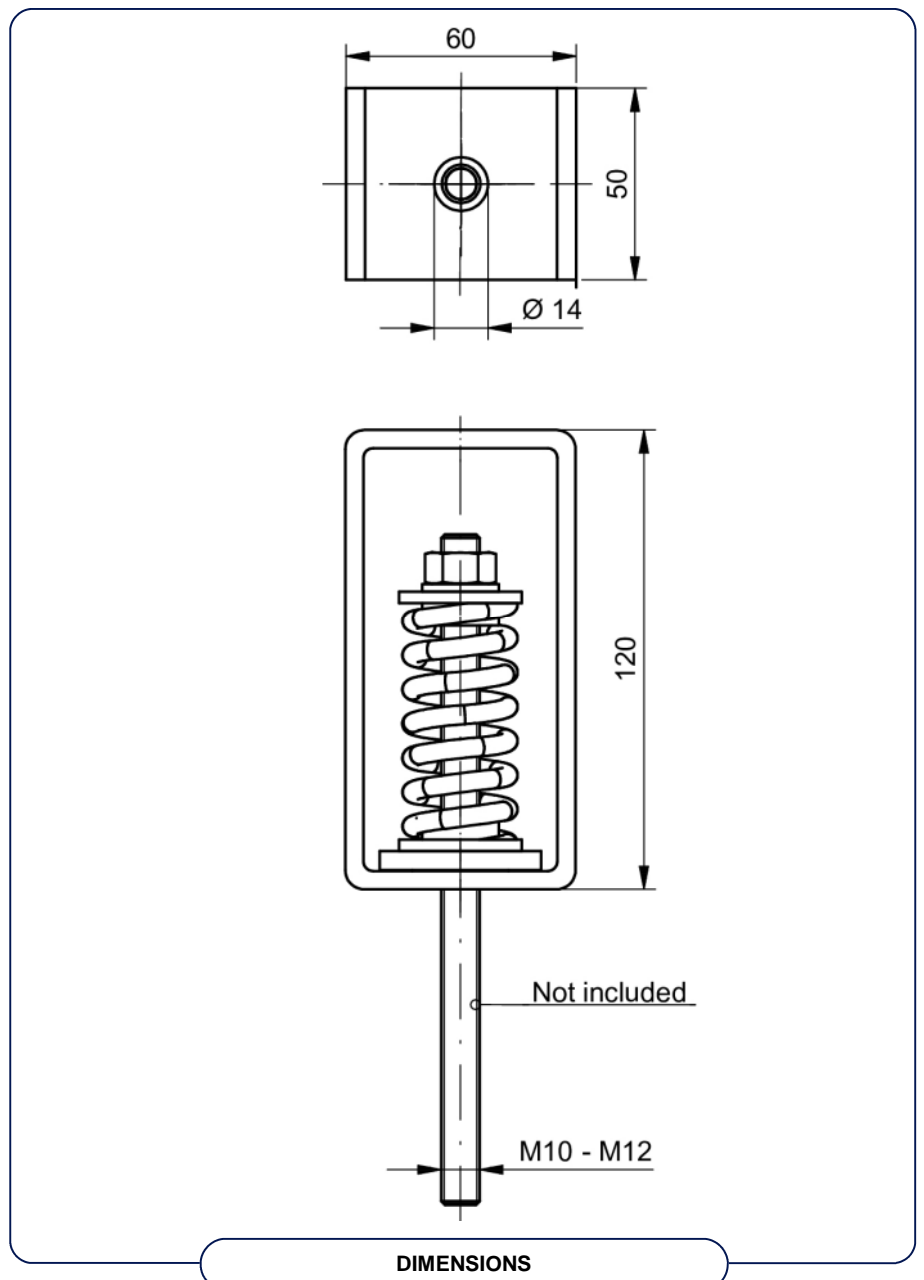
# SH1

#### 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





Type	Cz [N/mm]	Cx, y [N/mm] at preferential load	Fz max [N]	Fz preferential [N]
SH1-33	5,3	Depending on rod length	114	116
SH1-55	10,8	Depending on rod length	274	238
SH1-100	18,3	Depending on rod length	464	402
SH1-143	25,9	Depending on rod length	658	570
SH1-198	35,3	Depending on rod length	890	771
SH1-242	43,8	Depending on rod length	1112	963
SH1-298	52,5	Depending on rod length	1335	1156

## 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.

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