Rubber Design
vibration and noise control

DOCUMENTATION SHEET

Steel Spring Isolator
Type LRX

LRX

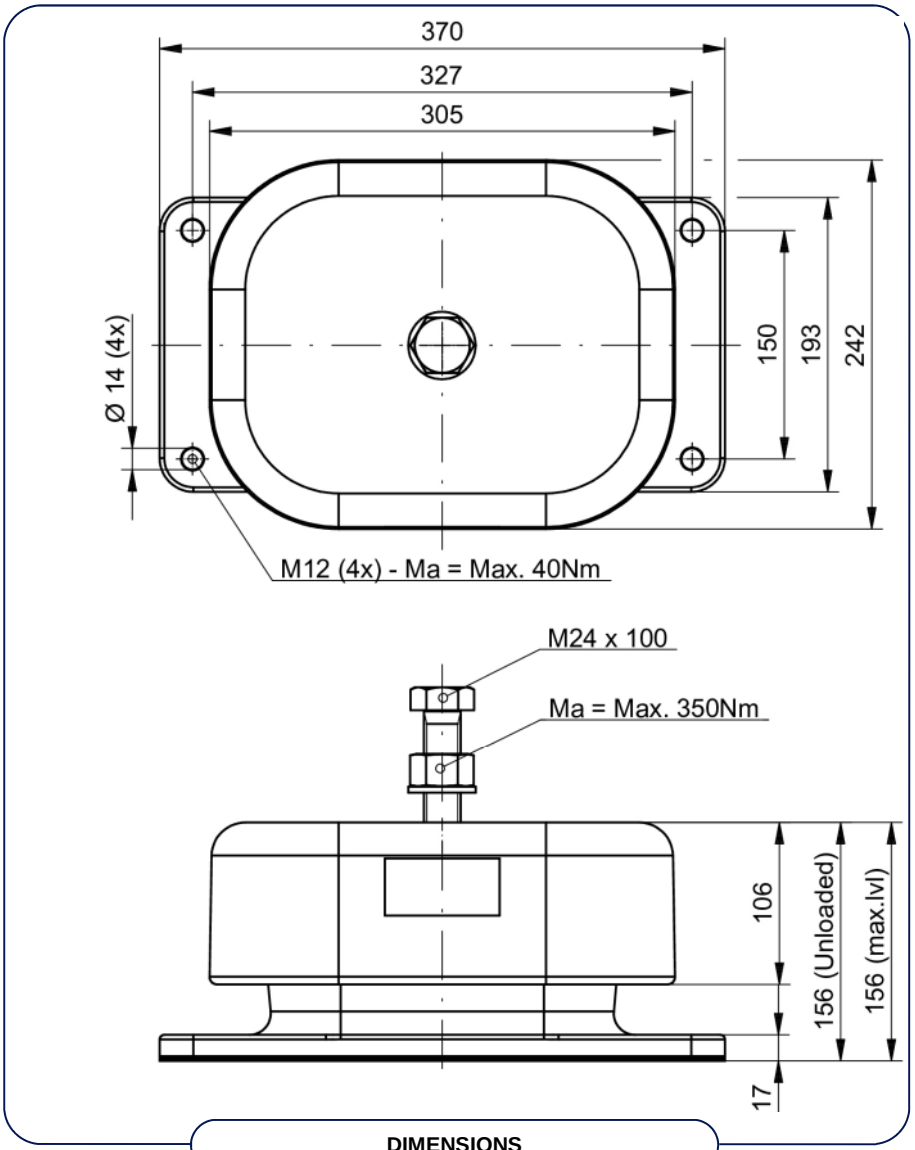
General

The helical spring isolators are enclosed in aluminum castings, the top interlocking with the base. A built-in leveling device is adjustable by the supplied top fixing screw. A molded neoprene O-ring prevents metal to metal contact of the casting and forms a seal against the weather and contaminants.

Low profile multiple spring isolators type MS, LS, LRH and LRX are available for a load range up to 42.2 kN.

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] at preferential load	Fz max [N]	Fz preferential [N]
LRX3800	684,0	466,0	17370	15045
LRX4560	789,0	537,6	20042	17359
LRX5120	894,0	609,1	22714	19674
LRX5400	945,6	652,8	24020	20804
LRX5900	1033,2	710,0	26244	22731
LRX6400	1120,8	766,4	28469	24658
LRX6900	1208,4	823,2	30683	26585
LRX7400	1310,0	840,3	33273	27702
LRX7900	1411,6	874,5	35853	32171
LRX8400	1488,4	863,7	37810	32749
LRX9000	1590,0	880,8	40390	34984
LRX9500	1664,0	903,0	42260	36602

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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