DOCUMENTATION SHEET

Steel Spring Isolator Type OS4



General

The open spring captive isolators, type OS, are designed for those applications where a limitation of isolator displacements is requested. The captive isolators are intended as a fixture or displacement limiter for a short term period, for instance during transportation of a resilient isolated installation. A further reduction of the installation displacements can be achieved with the additional installation of spring hanger units.

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







Rubber Design vibration and noise control

Туре	Cz [N/mm]	Cx, y [N/mm] at preferential load	Fz max [N]	Fz preferential [N]
OS4-2400	420,3	304,1	10675	9246
OS4-2700	472,7	332,6	12010	10402
OS4-3000	525,3	368,9	13345	11558
OS4-3300	577,9	397,4	14679	12713
OS4-3600	630,4	435,2	16013	13870
OS4-4100	718,0	492,0	18238	15796
OS4-4600	805,6	548,8	20462	17723
OS4-5320	924,6	564,4	23487	20343
OS4-6200	1085,6	588,9	27579	23888
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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