

TECHNICAL DATA SHEET DS 024

NON CONTROLLED UNLESS STATED OTHERWISE

QCF 56 Issue 3

PAGE

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ISSUE

7

DATE

6 February 2006

APPROVED

A.N.M

TITLE.

Instructions for Installation of Spring Isolators Type ODS and ODL.

Details of isolators as Leaflet PL027

Each type of isolator is made in a range of sizes which are identified by stamped labels.

Finishes vary but units are not usually suitable for prolonged use in adverse outdoor locations or corrosive atmospheres without further protection. (Please consult our application engineers about problem installation areas).

The isolators should be installed generally in accordance with the following procedure:

1. The structure beneath the machine should be constructed to form a rigid and reasonably level seating for each group of isolators.
2. The isolators should be examined to ensure they are of the correct size, and if appropriate, the positions for different sizes should be located in accordance with our recommendations or drawings.
3. After the isolators are in position the machine base should be levelled and supported just clear of the isolator tops using jacks or blocks. Clearances between the tops of all isolators and the underside of the machine base should not vary by more than 1.0 mm and where necessary, steel or other rigid packing pieces should be fitted before the machine is lowered on to the isolators. Ensure the adjusting screws supplied with the isolators are of sufficient length to accommodate machine bedframe and isolator adjustment.
4. Isolator hold down bolts should now be fitted (if applicable) - these must not strain the isolator in any direction. The isolators are not designed to accommodate angular misalignment, excessive horizontal forces or tensile forces (HD bolts are supplied by others).
5. Isolator adjusting screws for type ODS, ODL should be set initially so that dimension 'X' is as given on our general arrangement drawing or as recommended. See figure 1. Movement of the machine and isolation of vibration vary with the setting of the adjusting screws. Increases in dimension 'X' normally result in increased movement of the machine and reduced transmission of vibration. Decreases in dimension 'X' have opposite effects.
6. To obtain maximum efficiency adjustments should be carried out gradually, by turning each adjusting screw not more than one turn at a time. See our Data Sheet DS 047 for standard adjustments and load characteristics.

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6. The efficiency of an isolator system can be seriously impaired if the system is connected to rigid pipes, electrical conduits, ducts or shafts. It is essential that such external connections be as flexible as possible, not only to prevent transmission of vibration through the connections and allow the system freedom of movement, but also to avoid possible failure of the connections.
7. Note these isolators are not designed for tensile or shear loading applications and should only be installed in accordance with our recommendations.

For installation of ODLB sizes see our Drawing No S 025.

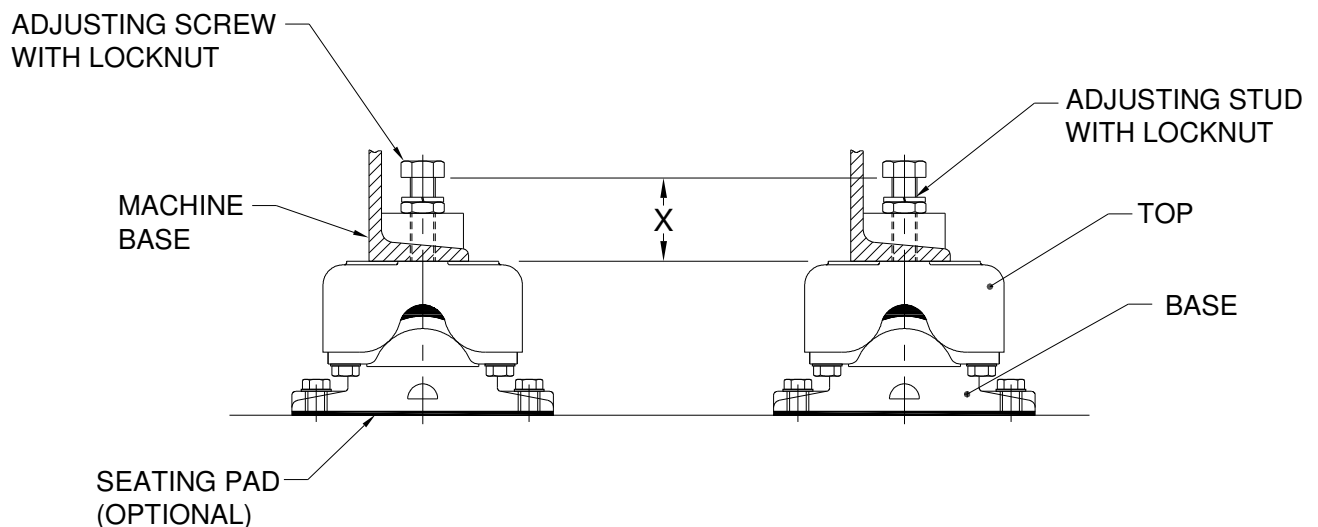


Figure 1

Please contact our Technical Department at the address below if you have any problems relating to installation or selection.



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