

TECHNICAL DATA SHEET DS 026

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QCF 56 Issue 3

PAGE

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ISSUE

6

DATE

6 February 2006

APPROVED

A.N.M

TITLE.

Instructions for Installation of Spring Isolators Type ES and ECS.

Details of isolators as Leaflet PL004

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

Although these isolators have excellent finishes they 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 block, ensuring alignment between isolator and machine fixing holes.

At this stage, hold down bolts can be loosely fitted to maintain isolator positions during final lowering of machine base, but it is important these do not strain the isolator in any direction (HD bolts are supplied by others).

4. After removal of blocks the machine base can be carefully lowered evenly across supported area transferring full weight to the isolators. Adjusting screws should then be located through machine base into isolator tops, ensuring sufficient length for adjustment.
5. Tighten the adjustment screw after initial deflection to raise the upper spring cover until desired height of isolator is achieved or the machine is level. See Figure 1.

DO NOT adjust by more than the original deflection obtained when the load was applied to the mounting.

IF NO adjustment is required, adjusting screw must be wound down sufficiently so that the spring pressure is felt before tightening the locknut.

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Where upward movement of equipment must be restrained during drawing down etc, the adjusting screw must be used to set the mounting to a maximum height of:

ES 20 range	-	60 mm
ES 25 range	-	85 mm
ECS range	-	125 mm

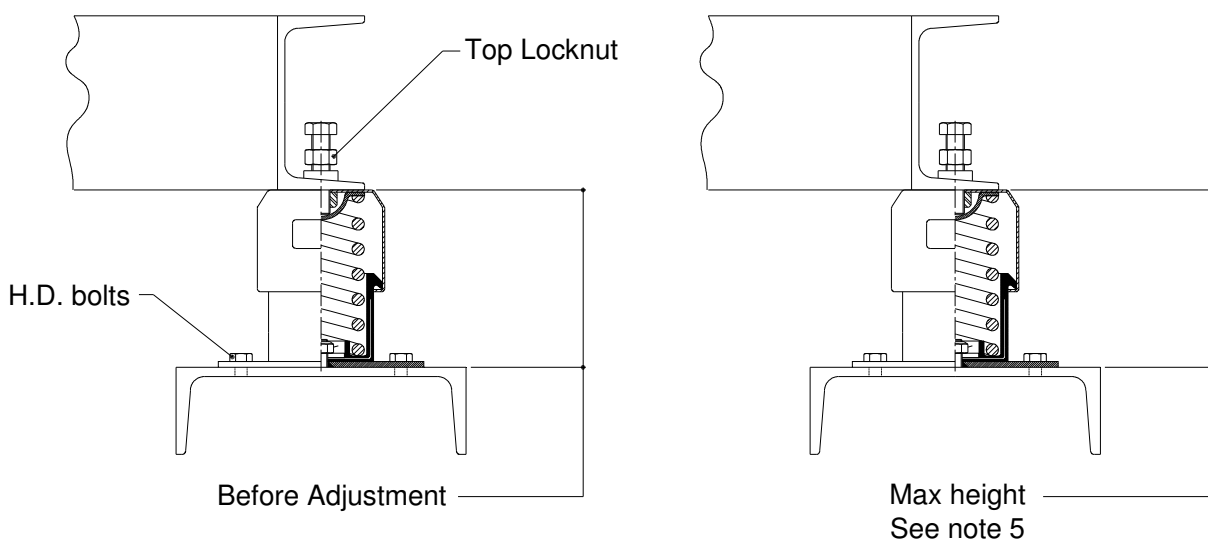


Figure 1.

6. Isolator HD bolts and top locknuts should now be fully tightened.
7. Ribbed rubber seating pads should always be used when the mounting is seated on concrete or other rough surfaces.
8. Note: Isolators are not designed to accommodate angular misalignment, excessive horizontal or tensile forces and must not be used for tensile or shear loading applications.
9. 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.

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



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