

# TECHNICAL DATA SHEET

## DS 023

NON CONTROLLED UNLESS STATED OTHERWISE

QCF 56 Issue 4

PAGE

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ISSUE

7

DATE

15 May 2019

APPROVED

A.N.M

TITLE.

Installation Instructions for Rubber Unit Isolators.

This sheet applies to the following types:

Type	Drawing No	Leaflet No
Bobbins	---	PL012 & PL013
LF	M36890	---

Each isolator is made in range of rubber compounds identified by colour coded dots on the rubber surface.

45 compound - Blue  
60 compound - White

Most of these parts are manufactured from natural rubber bonded to phosphated mild steel, with the exception of number 60.102 which has brass ends.

Isolators may be loaded in compression or shear in accordance with load/deflection characteristics on our leaflet/drawing, except for number 60.100 which is used only in compression.

Contamination by mineral oils and other chemicals may cause natural rubber to swell and deteriorate, thus reducing the working life. Please consult our application engineers about problem installation environments.

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

1. The structure beneath the machines 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 rubber compounds. If appropriate, the positions for different rubber compounds should be located in accordance with our recommendations or drawings.
3. Either bolt the isolators to the underside of the machine base or position them upon the prepared seating before lowering the machine into position.
4. Jacks or packing should be used to support the machine in a level state with a small clearance above or below each isolator. The clearances must be measured and if they vary by more than 0.5 mm then steel or other rigid packing pieces should be fitted before transferring the machine weight onto the isolators. These packing pieces may be fitted above or below the isolators and should be of adequate size.

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5. DO NOT use the isolators in tension. Suitable brackets must be designed for walls and ceiling mounting to ensure compression and shear loading only.
6. Nuts and washers are not supplied unless specially requested.
7. Isolators must be selected in accordance with the rated load capacities detailed on our appropriate leaflet/drawing.
8. 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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