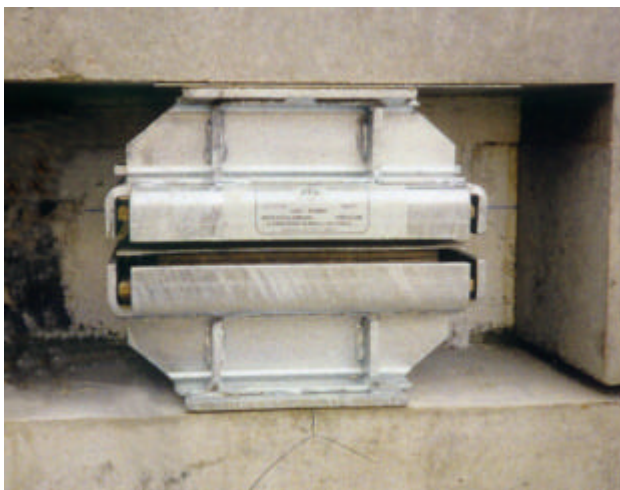


CDM-ISO-CAS-BOX



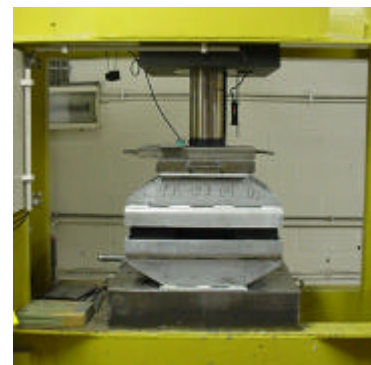
Building Base Isolation Pre-Compressed Elastomer Boxes



CDM-ISO-CAS-BOX Pre-Compressed Elastomer Boxes are used to isolate buildings where the required natural frequency is 6Hz to 10Hz. They consist of elastomer pads inside reinforced steel boxes which are pre-compressed to a specified load.

The advantages of pre-compressed elastomers over simple elastomers are as follows:

- The elastomers are pre-compressed to a percentage of the overall supported mass (say 80%) therefore minimising deflection during construction (deflection only occurs after the pre-compression has been exceeded) - this is especially important when low frequency solutions are required as this results in high deflections
- The boxes can be neutralised, replaced or inserted after construction. It is essential, however, that all boxes are accessible and this should be considered in the scheme design phase of the building.



Precompression of the box

	<p>CDM-ISO-CAS-BOX/B3 Acoustic design Load = 240 kN fres : 7-8 Hz</p>
	<p>CDM-ISO-CAS-BOX/B6 Acoustic design Load = 480 kN fres : 7-8 Hz</p>
	<p>CDM-ISO-CAS-BOX/B9 Acoustic design Load = 720 kN fres : 7-8 Hz</p>



CDM-ISO-STRUCTURE

CDM-UK
PO Box 7035
Melton Mowbray
Leics LE13 1WG



noise & vibration control

T: + 44 (0) 1664 482486
F: +44 (0) 1664 482487
E: info@cdm-uk.co.uk
www.cdm-uk.co.uk