WIRA Dynamic Loading Machine

Order Code DLM:001

- Gives information on ‘bedding-down’ of carpets
- Simulates walking compression and shearing effects
- British and International Standard method of test

The WIRA Dynamic Loading Machine gives information on the 'bedding-down' of the pile, by simulating two of the main actions of walking: compression, and the shearing effect at the edge of the shoe.

Test Method
The weight has two rectangular steel feet, 51mm by 6.5mm and 9.5mm deep, attached to its underside, 38.1mm apart. By means of a pivoted arm, a cam raises the weight and then allows it to fall freely from a controlled height on to the carpet specimen every five seconds. The steel plate to which the specimen is clamped, is slowly and continuously traversed in such a way that there is 3.2mm movement between each drop of the weight.

There is thus a half-overlap by the steel feet at each impact. A complete traverse forwards and back is completed after every 25 impacts, producing a uniformly compressed area 50mm wide by 90mm long.

ERGONOMIC DESIGN

Conforms to:
ISO 2094:1999 (BS)

Dimensions:
Width: 500mm
Depth: 500mm
Height: 370mm
Power Consumption 250W