

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 207, Furniture, the secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 1998, and conflicting national standards shall be withdrawn at the latest by July 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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During each application maintain the load for (3 ± 1) s. In the case of an adjustable bed base, the test shall be carried out with adjustable parts in a position as close as possible to 7° above the horizontal.

In the case where the supporting structure of head and feet is identical, the test shall be performed in the middle and to one end only.

7.4 Vertical impact test

Allow the impactor (see 5.10) to fall freely from a height of 180 mm (measured from the top face of the unloaded mattress) onto the mattress, at the following positions (see Figure 8):

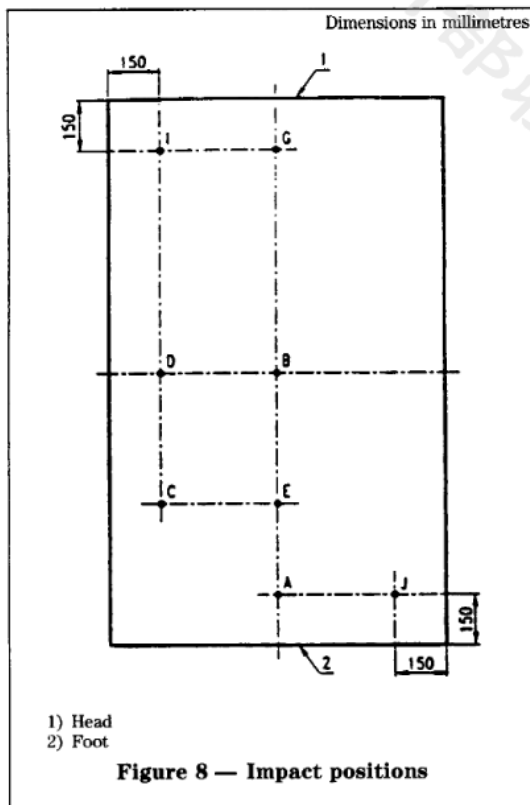
- test units greater than 1 150 mm in width: A, B, C, D, E, G, I and J;
- test units equal to or less than 1 150 mm in width: A, B, C, D, G, I and J.

Carry out ten impacts at each point.

In the case of an adjustable bed base, the test shall be carried out with adjustable parts in a position as close as possible to 7° above the horizontal.

In the case where the supporting structure of head and feet is identical, the test shall be performed in the middle and to one end only.

The centre of the pad and the points A, C, D, G, I and J shall be located at 150 mm from the edge of the bed.



7.5 Durability of bed edge

Apply a force of 1 000 N for 5 000 cycles by means of the edge loading pad (see 5.9).

Testing shall be carried out on one edge at the middle of the length.

The load application point shall be 200 mm from the edge of the top surface of the mattress.

During each application maintain the force for (3 ± 1) s.

7.6 Vertical static load test

Apply a vertical force of 1 400 N downwards using the loading pad (see 5.8).

Apply the load ten times at any point of the bed base where failure is considered likely to occur.

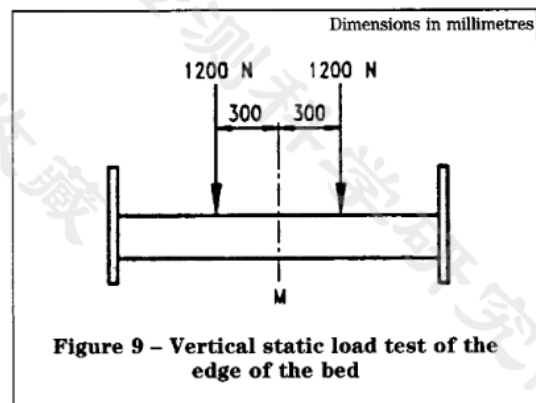
During each application maintain the load for (10 ± 1) s.

7.7 Vertical static load test of the edge of the bed

Using two loading pads (see 5.11) apply two forces of 1 200 N simultaneously for 1 min on the centre line (M) of the bed frame side member.

The loads shall be applied on points 600 mm apart, as shown in Figure 9.

If the bed tends to overturn, the bed shall be loaded sufficiently to prevent it from overturning.



8 Test report

The test report shall include at least the following information:

- a) a reference to EN 1725;
- b) the unit tested;
- c) test results according to 7.2 to 7.7;
- d) compliance with requirements according to EN 1725;
- e) details of any deviation from EN 1725;
- f) the name and address of the test laboratory;
- g) the date of the tests.