

Methods of test for

Mattresses, bed bases and bed sets

Committees responsible for this British Standard

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- British Steel Industry
- British Steel Industry (Wire Section)
- Consumer Policy Committee of BSI
- Furniture Industry Research Association
- Institute of Trading Standards Administration
- Man-made Fibres Producers' Committee
- National Bed Federation Limited
- National Fillings Trades Association

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Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
Section 1. General	
1 Scope	1
2 Definitions	1
3 Principles	1
4 Safety	1
Section 2. Non-structural tests	
5 General	2
6 Measurement of profile	2
7 Triangular roller test	3
8 Edge sitting test	4
Section 3. Structural tests	
9 Vertical static load test	5
10 Horizontal static load test	5
11 Horizontal fatigue load test	5
12 Diagonal base load test	6
13 Vertical impact test	6
14 Horizontal impact test	6
15 Drop test	6
16 Test for strength of mattress handles	6
17 Tests for strength of drawers in bed bases	6
18 Test report	6
Figure 1 — Knuckle profile wheel	2
Figure 2 — Roller assembly	3
Figure 3 — Loading pad for vertical static load test	5
Figure 4 — Loading positions	7
Figure 5 — Impactor	8
Figure 6 — Handle strength testing machine	8
Publications referred to	Inside back cover

Foreword

This British Standard has been prepared under the direction of the Consumer and Contract Goods Standards Policy Committee.

The standard is based on the results of research carried out by the Furniture Industry Research Association and the National Bed Federation. The performance tests in this standard can be applied to all types of bed construction, excluding air beds and water beds, and include methods of test for assessing durability and structural qualities. The tests do not assess comfort.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Section 1. General

1 Scope

This British Standard describes methods of test for adult size beds. Section 2 describes non-structural tests and section 3 describes structural tests. The tests are applicable to all types of bed construction excluding air beds and water beds.

NOTE The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this British Standard the following definitions apply.

2.1

mattress

a product designed to support a sleeping body, usually used in conjunction with a bed base

2.2

bed base

the structure designed to support a mattress

2.3

bed set

an assembly of a mattress and bed base

3 Principles

The principle of the tests in section 2 is to subject the item under test to procedures that reproduce the changes in physical characteristics occurring in normal use.

The principle of the tests in section 3 is to subject the item under test to the application of loads and forces intended to simulate wear and tear and thereby assess its ability to retain structural integrity.

4 Safety

Much of the test equipment required to carry out the tests in this standard is substantial in size and may present a hazard. In addition, the beds under test can themselves be heavy. Equipment should always be manufactured, sited and operated with awareness of the need for safety. Attention is drawn particularly to the hazards inherent in suspended equipment, e.g. pendulum impact devices, and with moving parts of the equipment.

The use of suitable protective footwear is recommended.

WARNING. Special attention is drawn to the need for safety awareness when working with or near the roller test equipment because of the substantial forces involved with equipment designed to carry out this test.