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British Standard Specification for  
**Safety requirements for children's  
cots for domestic use**

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Caractéristiques de sécurité des lits d'enfants pour usages domestiques — Spécifications

Sicherheitsanforderungen an Haushalkinderbetten

## Foreword

This British Standard has been prepared under the direction of the Furniture and Household Equipment Standards Committee, and is the fourth revision of the standard which was first issued in 1951. It supersedes BS 1753 : 1977 which is withdrawn.

In this revision, requirements for wire mesh mattress bases have been introduced and the materials for construction of the cot frame are no longer restricted to timber, timber based materials or metal, permitting the use of plastics materials. Flammability requirements have been introduced for any textile materials used as an integral part of the cot and guidance on the selection and use of other materials is given in appendix A. The test methods used to determine durability and stability have been improved and the stability test is now applicable to cots with canopies.

Attention is drawn to BS 1877 : Part 10 which specifies requirements for cot mattresses suitable for use with cots complying with this standard.

**Compliance with a British Standard does not of itself confer immunity from legal obligations.** In particular attention is drawn to SI 1367 : 1974 The Toys (Safety) Regulations.



**Amendment No. 1**  
**published and effective from 31 January 1990**  
**to BS 1753 : 1987**

**Specification for safety requirements for  
 children's cots for domestic use**

**Revised text**

**AMD 6265**  
**January 1990**

**Clause 5.1**

At the end of the existing text insert the following sentence:

'In the case of adjustable mattress bases this measurement shall be taken with the mattress base in its lowest position.'

**AMD 6265**  
**January 1990**

**Clause 5.5**

In line 10 after '... is in the raised position.' insert the following:

'It shall not be possible to adjust the cot so that the distance from the top of the dropside to the top surface of the mattress base is less than 250 mm.'

Delete, in lines 13 to 16, the text beginning 'When the mattress base is ...' and ending 'shall be at least 250 mm.' and substitute:

'Any ledge on the inside of the cot that protrudes from a vertical surface shall have a horizontal projection of not more than 5 mm from the vertical plane.'

**AMD 6265**  
**January 1990**

**Clause 5.8**

Delete, in lines 4 to 9, the text beginning 'When the mattress base is ...' and ending 'not more than 2.5 mm.' and substitute:

'If the mattress base is in the form of wire mesh, the diameter of the wire shall not be less than 2 mm. With wire mesh mattress bases and any other type of construction it shall not be possible for the cone illustrated in figure 1 to pass through any aperture beyond the diameter of 85 mm when a force of 90 N is applied.'

**AMD 6265**  
**January 1990**

**Clause 6.4**

In lines 4 and 5, delete 'be well rounded in order to minimize any risk of causing a wound or abrasion', and substitute 'be constructed in order to minimize the risk of a wound or abrasion'.

**AMD 6265**  
**January 1990**

**Clause 6.12**

Delete entirely the existing text and substitute:

'6.12 When tested in accordance with F.2.1 the legs of the cot opposite to those against the stops shall not lift from the floor. When tested in accordance with F.2.2 the cot shall not overturn when tilted through an angle of at least 13°.'



AMD 6265  
January 1990

## Clause 9.2

Delete item (a) and renumber items (b), (c) and (d) as (a), (b) and (c) respectively.

AMD 6265  
January 1990

## Clause C.1

At the end of the existing text insert the following sentence:

‘Where a surface is coated with a multi-layer of paint or similar coating the sample shall be taken down to the substrate.’

AMD 6265  
January 1990

## Clause E.3 Strength of frame and fastenings (fatigue test)

In E.3, delete lines 10 to 13 and substitute:

‘The forces shall act on each point in turn, the application of the force to each point once representing one cycle.

NOTE. The forces can be applied in the order A, B, C, D which requires the use of four devices to apply the force. An alternative sequence is to apply all the A and B forces and then all the C and D forces, thus requiring only two devices.’

AMD 6265  
January 1990

## Appendix F. Stability test

Delete the existing text and substitute the following:

### ‘F.1 Test dummy

The dummy shall be a solid cylinder 200 mm in diameter and 300 mm in height, having a mass of 15 kg and with its centre of gravity 150 mm above its base. All edges shall have a radius of  $5 \pm 1$  mm.

### F.2 Procedure

**F.2.1** Assemble the cot for normal use in accordance with the manufacturer’s instructions. If the mattress base is adjustable adjust it to its lowest position and adjust any dropside to its raised position. Position the cot on a floor consisting of a smooth rigid surface. The tilting tendency shall not be restrained. In the case of cots with castors, place the castors in the most onerous position. Place the test mattress specified in **D.2** in a central position on the mattress base. Place the dummy in the cot, with its base 250 mm above the mattress base, and secure the dummy against one of the side or end members so as to produce the most onerous test conditions. Apply a force of 45 N horizontally at the highest position on either side and at the least stable position (see figure 7). If the cot has a canopy, carry out the test both with and without any removable canopy structure.

**F.2.2** With the cot assembled and the dummy in position as described in **F.2.1**, tilt the cot by lifting the side or end opposite the dummy until the point is reached at which the cot will not return to its stable position when released. Note the angle of the cot at this point.’



**Amendment No. 2**  
**published and effective from 15 June 1993**  
**to BS 1753 : 1987**

**Specification for safety requirements for**  
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**Revised text**

**AMD 7657**  
**June 1993**

**Contents**

In the list of figures, insert the following new entry.

- '1 Spacing between the mattress  
base and the sides and ends  
of the cot'

Renumber the existing figures 1 to 7 as figures 2 to 8.

**AMD 7657**  
**June 1993**

**Clause 5.3**

Delete the existing text and substitute the following.

'Where there is a gap between the edge of the mattress base  
(see figure 1) and the lower edge of the cot sides or ends,  
except in situations covered by 5.8, the gap shall comply  
with the following requirements when tested in accordance  
with 5.2 but with a force of 150 N applied to the cone:

- (a) the maximum horizontal component of the gap shall  
not exceed 25 mm;
- (b) the maximum gap measured at any angle between the  
horizontal and the vertical shall not exceed 65 mm.'

**AMD 7657**  
**June 1993**

**Clause 5.8 (as amended by Amendment No. 1)**

Delete the first sentence and substitute the following.

'When the mattress base is in the form of rigid slats, the  
maximum horizontal spacing between adjacent slats, or  
between the mattress base end-rail and the adjacent slat, or  
between the cot end and the adjacent slat, shall not exceed  
75 mm.'

