

# DIN EN 747-2:2012-06 (E)

## Furniture - Bunk beds and high beds - Part 2: Test methods

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>General test conditions .....</b>	<b>5</b>
3.1	Preliminary preparation .....	5
3.2	Application of forces .....	5
3.3	Tolerances .....	6
<b>4</b>	<b>Test equipment .....</b>	<b>6</b>
4.1	General .....	6
4.2	Measuring cones .....	6
4.3	Bed base impactor .....	7
4.3.1	Bed base impactor (see Figure 2) .....	7
4.3.2	Springs .....	7
4.3.3	Striking surface .....	7
4.4	Loading pads .....	7
4.5	Test mattress .....	8
4.6	Test mass .....	8
4.7	Stops .....	9
4.8	Floor surface .....	9
4.9	Tread impactor .....	9
<b>5</b>	<b>Test procedures .....</b>	<b>9</b>
5.1	Inspection before testing .....	9
5.2	Inspection of product .....	10
5.3	Measuring of holes, gaps and openings .....	10
5.4	Strength tests .....	10
5.4.1	Positioning of the bed .....	10
5.4.2	Static load on safety barriers .....	10
5.4.3	Upwards and downwards static load on bed base .....	11
5.4.4	Impact test on bed base .....	11
5.4.5	Durability test on bed base .....	12
5.5	Durability test of frame and fastenings .....	13
5.6	Ladders or other means of access .....	13
5.6.1	Vertical static load on treads .....	13
5.6.2	Horizontal static loads on treads .....	13
5.6.3	Durability of treads .....	14
5.6.4	Tread impact test .....	14
5.7	Stability test .....	15
5.8	Fastening of the upper bed to the lower bed .....	15
<b>6</b>	<b>Test report .....</b>	<b>15</b>