

# DIN EN 1466:2023-09 (E)

## Child care articles - Carry cots and stands for domestic use - Safety requirements and test methods

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>General requirements and test conditions (see B.1) .....</b>	<b>6</b>
4.1	General .....	6
4.2	Tolerance of test equipment .....	6
4.3	Determination of a protected volume .....	6
<b>5</b>	<b>Test equipment .....</b>	<b>6</b>
5.1	Articulated test plate .....	6
5.2	Test mass .....	7
5.3	Test probes .....	7
5.4	Small parts cylinder .....	9
5.5	Test bar A .....	10
5.6	Test bar B .....	10
5.7	Datum board .....	10
5.8	Metal hooks .....	11
5.9	Rubber adaptor .....	12
5.10	Apparatus for dynamic strength test .....	13
5.11	Test sphere .....	13
5.12	Test equipment for handle locking mechanism strength test .....	13
<b>6</b>	<b>Material hazard .....</b>	<b>14</b>
6.1	Hazards due to organic materials .....	14
6.2	Chemical hazards .....	14
6.2.1	Migration of certain elements .....	14
6.2.2	Formaldehyde .....	14
6.2.3	Colorants .....	14
6.3	Thermal hazards .....	15
<b>7</b>	<b>Mechanical hazard .....</b>	<b>15</b>
7.1	Protective function .....	15
7.1.1	General .....	15
7.1.2	Internal height of carry cot and effectiveness of retaining function (see B.3) .....	16
7.1.3	Overall height of a carry cot with flexible handles (see B.4) .....	19
7.1.4	Castors/wheels of stands .....	19
7.1.5	Restraint system .....	19
7.1.6	Reclinable base .....	19
7.2	Entrapment hazards (See B.5) .....	19
7.2.1	Requirements .....	19
7.2.2	Test method .....	20
7.3	Hazard from moving parts (see B.6) .....	20
7.4	Entanglement hazards .....	20
7.4.1	Requirements .....	20
7.4.2	Test for cords, straps and ribbons .....	21
7.4.3	Test for loops .....	21

7.5	Choking and ingestion hazards .....	22
7.5.1	Requirements .....	22
7.5.2	Test methods for small parts .....	22
7.6	Suffocation hazards (see B.7) .....	22
7.6.1	Internal lining .....	22
7.6.2	Plastic packaging .....	23
7.6.3	Filling materials .....	23
7.6.4	Hazards due to the softness of the base .....	23
7.6.5	Mattress size .....	24
7.7	Hazards edges, points and corners .....	24
7.8	Stability .....	24
7.8.1	Stability of carry cots (see B.8) .....	24
7.8.2	Longitudinal stability of carry cots .....	25
7.8.3	Stability of stands and retention of carry cot on the stand .....	26
7.9	Structural integrity (see B.9) .....	26
7.9.1	Flexible handles of carry cots .....	26
7.9.2	Strength of carrying handle(s) locking mechanism(s) .....	27
7.9.3	Strength of carry cots .....	28
7.9.4	Strength of stands .....	30
7.9.5	Folding mechanisms of stands .....	30
8	Durability of marking .....	31
9	Product information .....	31
9.1	General .....	31
9.2	Purchase information .....	31
9.2.1	General .....	31
9.2.2	Carry cots .....	31
9.2.3	Stands .....	32
9.3	Markings .....	32
9.4	Instructions for use and maintenance .....	33
9.4.1	General .....	33
9.4.2	Carry cots .....	33
9.4.3	Stands .....	35
Annex A (informative) Warnings .....		36
Annex B (informative) Rationales .....		49
Annex ZA (informative) Relationship between this European Standard and the safety requirements of Directive 2001/95/EC aimed to be covered .....		51
Bibliography .....		54