



Designation: F2194 – 22^{ε1}

Standard Consumer Safety Specification for Bassinets and Cradles¹

This standard is issued under the fixed designation F2194; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

^{ε1} NOTE—Editorial corrections were made throughout in July 2022.

INTRODUCTION

This consumer safety performance specification addresses infant bassinet and cradle incidents identified by the U.S. Consumer Product Safety Commission (CPSC).

In response to the incident data compiled by the CPSC, this consumer safety performance specification attempts to minimize the following hazards: (1) suffocation, (2) tip over, (3) collapse, and (4) hood detachment. It also addresses corner post extensions, which may catch pacifier cords, ribbons, necklaces, or clothing which a child may be wearing and which may be caught on a projection. This specification does not cover products that are blatantly misused or used in a careless manner that disregards the safety instructions and warnings provided with each bassinet or cradle.

1. Scope

1.1 This consumer safety specification covers performance requirements, test methods, and marking requirements to promote safe use of bassinets and cradles.

1.2 This consumer safety performance specification is intended to minimize the risks of incidents to an infant resulting from normal use and reasonably foreseeable misuse of a bassinet or cradle.

1.3 This consumer safety performance specification covers products primarily intended to provide sleeping accommodations for an infant up to approximately 5 months in age or when the child begins to push up on hands and knees, whichever comes first.

1.3.1 *Examples of Products under the Scope:*

1.3.1.1 Bassinets, cradles, compact bassinets, and compact cradles.

1.3.1.2 Cradle swings with an incline less than or equal to 10° from horizontal while in the rest (non-rocking) position.

1.3.1.3 Multi-use products when they are in the bassinet/cradle or compact bassinet/cradle use mode as defined in 3.1.1 or 3.1.3.

1.3.1.4 Bassinet/cradle accessories to products when removed from the product and used in the bassinet/cradle mode or as a compact bassinet/cradle product. See 3.1.2 for an example.

¹ This specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.18 on Cribs, Toddler Beds, Play Yards, Bassinets, Cradles and Baby Changing Products.

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1.3.1.5 Bassinet/cradle features for carriage/stroller when removed from the carriage/stroller and used in the bassinet/cradle mode or compact bassinet/cradle product mode.

1.3.2 *Examples of Products Excluded from the Scope:*

1.3.2.1 Sleep products that have only inclined sleeping surfaces intended to be greater than 10° from horizontal while in the rest (non-rocking) position.

1.3.2.2 In-bed portable sleepers.

1.3.2.3 Enclosed travel tents.

1.4 No bassinet or cradle produced after the approval date of this consumer safety performance specification shall, either by label or other means, indicate compliance with this specification unless it conforms to all requirements contained herein.

1.5 This consumer safety performance specification is not intended to address incidents and injuries resulting from alteration or unreasonable abuse or misuse of the product by a child or child care giver.

1.6 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.7 The following precautionary caveat pertains only to the test method portion Section 7 of this consumer safety performance specification *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*



FIG. 1 CAMI Infant Dummy, Mark II 17.5 lb (7.9 kg)

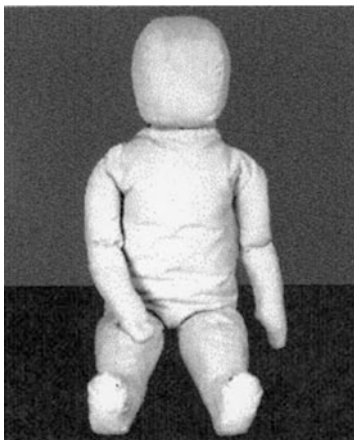


FIG. 2 CAMI Newborn Dummy 7.5 lb (3.4 kg)

mendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

2. Referenced Documents

2.1 ASTM Standards:²

- D3359 Test Methods for Rating Adhesion by Tape Test
- F406 Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards
- F963 Consumer Safety Specification for Toy Safety
- F3118 Consumer Safety Specification for Infant Inclined Sleep Products

2.2 Federal Regulations:³

- 16 CFR 1220 Safety Standard for Non-Full-Size Baby Cribs
- 16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint
- 16 CFR 1500 Hazardous Substances Act Regulations Including Sections
- 16 CFR 1500.48 Technical Requirements for Determining a Sharp Point in Toys and Other Articles for Use by Children Under Eight Years of Age
- 16 CFR 1500.49 Technical Requirements for Determining a Sharp Metal or Glass Edge in Toys or Other Articles Intended for Use by Children Under Eight Years of Age
- 16 CFR 1501 Method for Identifying Toys and Other Articles Intended for Use by Children Under Three Years of Age Which Present Choking, Aspiration, or Ingestion Hazards Because of Small Parts

2.3 Other References:

- CAMI Dummy, MARK II (see Fig. 1)⁴
- CAMI Newborn Dummy (See Fig. 2)⁵
- ANSI Z535.1 Safety Colors⁶
- ANSI Z535.4 Product Safety Signs and Labels⁶
- ANSI Z535.6 Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials⁶

3. Terminology

3.1 Definitions:

3.1.1 *bassinet/cradle, n*—small bed designed primarily to provide sleeping accommodations for infants, supported by free standing legs, a stationary base/stand, a wheeled base, a rocking base, or a base which can swing relative to a stationary base. While in a rest (non-rocking or swinging) position, a

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401.

⁴ Department of Transportation Memorandum Report AAC-119-74-14, Revision II, Drawing No. SA-1001 by Richard Chandler, July 2, 1974. Federal Aviation Administration, Civil Aeromedical Institute, Protection and Survival Laboratory, Aeromedical Center, Oklahoma City, OK 73125.

⁵ Drawing numbers 126-0000 through 126-0015 (sheets 1 through 3), 126-0017 through 126-0027, a parts list entitled "Parts List for CAMI Newborn Dummy," and a construction manual entitled, "Construction of the Newborn Infant Dummy" (July 1992). Copies of the materials may be inspected at NHTSA's Docket Section 400 Seventh Street, SW, Room 5109, Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW, Suite 700, Washington, DC.

⁶ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

1.8 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recom-