



Designation: F2388 – 21

Standard Consumer Safety Specification for Baby Changing Products for Domestic Use¹

This standard is issued under the fixed designation F2388; 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.

INTRODUCTION

This consumer safety specification addresses incidents associated with baby changing products identified by the U.S. Consumer Product Safety Commission (CPSC). Incidents involved collapse, falls from the table, and entrapment in structural members.

In response to incident data collected by CPSC, this consumer safety specification attempts to minimize the risk of injury and death due to: (1) falls from changing tables, (2) failure of structural or mechanical components, (3) instability and entrapment in openings in the table structure, and (4) suffocation. This specification also contains requirements for warnings and instructional materials directed to parents or caregivers.

1. Scope

1.1 This consumer safety specification covers performance requirements, test methods, and labeling requirements to promote the safe use of baby changing products including changing tables, changing table accessories, contoured changing pads, and add-on changing units.

1.2 This specification covers products sold for domestic use for children up to a weight of 30 lb (13.6 kg).

1.3 Changing products shall meet all applicable performance and labeling requirements.

1.4 No changing product produced after the approval date of this specification shall, either by label or other means, indicate compliance with this specification unless it conforms to all applicable requirements contained herein, before, and after all testing.

1.5 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.

1.6 The following precautionary caveat pertains only to the test method portion in Section 7 of this 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 requirements prior to use.

1.7 *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 Recommendations 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](#)
[F1169 Consumer Safety Specification for Full-Size Baby Cribs](#)
[F2057 Safety Specification for Clothing Storage Units](#)

2.2 Federal Regulations:³

[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 or Other Articles Intended for Use by Children Under Eight Years of Age](#)

¹ This consumer safety 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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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. Consumer Product Safety Commission (CPSC), Washington, D.C. 20207, website: www.cpsc.gov.

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 1500.50-.52 Test Methods for Simulating Use and Abuse of Toys and Other Articles Intended for Use by Children

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

Consumer Product Safety Improvement Act

2.3 ANSI Standards:⁴

ANSI Z535.4 American National Standard for Product Safety Signs and Labels

ANSI Z535.6 American National Standard: Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *add-on changing unit, n*—a rigid addition to or separate product used in conjunction with an item of furniture that provides barriers to prevent the infant from rolling off the product when a diaper is being changed.

3.1.2 *barrier, n*—any component of the changing product intended to prevent a child from rolling or falling off the changing surface.

3.1.3 *changing pad, n*—a flat or contoured pad specifically designed for the purpose of changing the diaper of a child with a body weight of up to 30 lb (13.6 kg) on an elevated surface. The child is placed on the pad during the process of changing.

3.1.4 *changing product*—one of the following: changing table, changing table accessory, add-on changing unit, contoured changing pad.

3.1.5 *changing surface, n*—the surface that is in direct contact with the child when the changing product is in the manufacturer's recommended use position.

3.1.6 *changing table, n*—an elevated, freestanding structure generally designed to support and retain a child with a body weight of up to 30 lb (13.6 kg) in a horizontal position for the purpose of allowing a caregiver to change the child's diaper. Changing tables may convert from or to other items of furniture, such as, but not limited to, a dresser, desk, hutch, bookshelf, or play yard, may have pull-out or drop-down changing surfaces, and may provide storage for diapers and diaper products.

3.1.7 *changing table accessory*—an accessory that attaches to a crib or play yard designed to convert the product into a changing table typically having a rigid frame with soft fabric or mesh sides or bottom surface, or both.

3.1.8 *conspicuous, adj*—visible when the changing product is in any manufacturer's recommended use position, to a person in a position normally associated with the task of changing a child's diaper.

3.1.9 *contoured changing pad, n*—a changing pad designed for use on an elevated surface which incorporates barriers to prevent a child from rolling off the changing surface.

3.1.10 *double action release system, n*—a mechanism requiring either two consecutive actions, the first of which must be maintained while the second is carried out, or two separate and independent simultaneous actions to fully release.

3.1.11 *key structural elements, n*—side assemblies, end assemblies, base assemblies, leg assemblies, primary changing surface supports, or other components designed to support the weight of the occupant, or a combination thereof (see Fig. 1).

3.1.12 *manufacturer's recommended use position(s), n*—any position that is presented as a normal, allowable, or acceptable configuration for the use of the product as a diaper changer by the manufacturer in any descriptive or instructional literature. This specifically excludes positions that the manufacturer

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

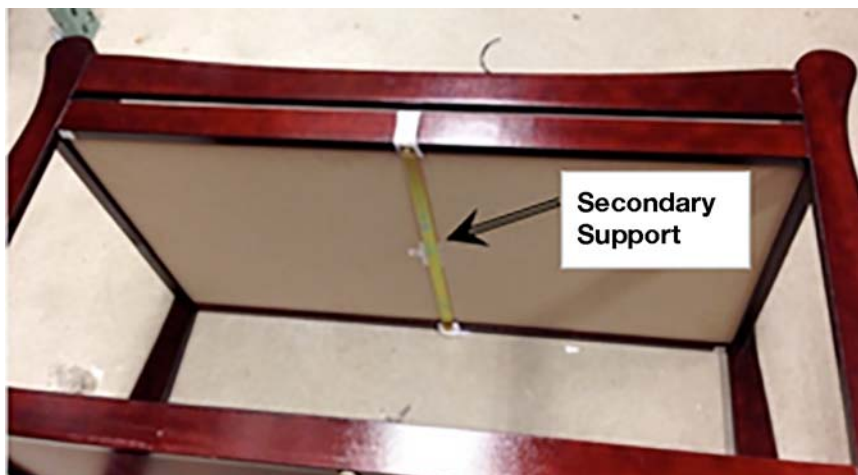


FIG. 1 Example of Secondary Support Component