



Designation: **F2057–09b F2057 – 14**

## Standard Safety Specification for Chests, Door Chests, and Dressers Clothing Storage Units<sup>1</sup>

This standard is issued under the fixed designation F2057; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### INTRODUCTION

~~The~~ This consumer safety specification is intended to address incidents reported by the U.S. Consumer Product Safety Commission (CPSC) estimates that there were 8100 emergency room treated injuries associated with the tipover of furniture in 1994 relating to clothing storage units. In response to the incident data compiled by the CPSC, this consumer safety specification attempts to minimize the hazards associated with these products. This consumer safety specification does not apply to products that are blatantly misused, nor does it apply to products used by consumers in a careless manner that violate normal practice or disregard the instructions or warnings provided with the product, or both.

In addition, the CPSC received reports of about six deaths each year associated with furniture tipover. Approximately two thirds of the deaths were said to have involved items with drawers, such as dressers, bureaus, and chests of drawers. Approximately 80 % were to children under the age of five.

### 1. Scope

1.1 This safety specification is intended to reduce injuries and deaths of children from hazards associated with tipover of clothing storage units; free-standing clothing storage units, such as chests, door chests and dressers, over 30 in. (762 mm) in height.

~~1.2 This safety specification covers chests, dressers, door chests, chest-on-chests, tall chests, lingerie chests, bureaus, and armoires.~~

1.2 This safety specification does not cover shelving units, such as bookcases or entertainment centers, night stands, or under-bed drawer storage units; furniture, office furniture, dining room furniture, jewelry armoires, underbed drawer storage units or built-in units intended to be permanently attached to the building.

~~1.4 This safety specification does not cover any items 30 in. or less in height.~~

1.3 This safety specification is intended to cover children up to and including age five.<sup>2</sup>

1.4 This safety specification replaces PS 110–98.

1.5 The values stated in inch-pound units are to be regarded as standard. ~~No other units of measurement are included in this~~ 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 safety hazards caveat pertains only to the test procedure portion, Section 47, of this safety 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 and health practices and determine the applicability of regulatory limitations prior to use.*

<sup>1</sup> This safety specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.42 on Furniture Safety.

Current edition approved Oct. 15, 2009 Oct. 1, 2014. Published November 2009 October 2014. Originally approved in 2000. Last previous edition approved in 2009 as F2057–09a, F2057–09b. DOI: 10.1520/F2057-09B-10.1520/F2057-14.

<sup>2</sup> The majority (approximately 80 %) of deaths relate to children 5 years or younger (see Introduction); younger.

**2. Referenced Documents**

2.1 *ASTM Standards:*<sup>3</sup>

[F3096 Performance Specification for Tipover Restraint\(s\) Used with Clothing Storage Unit\(s\)](#)

**3. Terminology**

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *chest, clothing storage unit, n*—a furniture item intended for the storage of clothing typical of bedroom furniture and containing one or more of the following: drawers, doors, stationary shelves, adjustable shelves, or pull-out shelves arranged in varying configurations: furniture.

2.1.2 *door chest, n*—a furniture item intended for the storage of clothing and consisting of a case with drawers at the bottom of the unit and drawer or permanent shelves covered by two doors at the top of the case.

2.1.3 *dresser, n*—a furniture item intended for the storage of clothing and consisting of up to nine drawers usually arranged in groups three high and three wide. Dimensions are usually 65 to 72 in. wide and 30 to 35 in. high.

3.1.2 *operational sliding length, n*—~~in a drawer with stops, the drawer opened to its stops. In the absence of stops, the operational length is length~~ length measured from the inside ~~back~~ back face of the drawer ~~back~~ to the inside face of the drawer front in its fully closed position with measurements taken at the shortest drawer depth dimension ~~minus 3.5 in. See (see Fig. 1 and )~~ Appendix XI.

3.1.3 *outstop, n*—any feature that limits outward motion of drawers or pullout shelves, or both.

3.1.4 *tipover, n*—~~the event at which a furniture unit pivots forward to a~~ the point beyond at which the unit continues to fall.

3.1.5 *tipover restraint, n*—supplemental device that aids in the prevention of tip over.

**4. Performance Requirements**

4.1 With the unit ~~empty, empty~~ and without the tipover restraint, test the unit in accordance with ~~4.17.1 and 4.27.2.~~

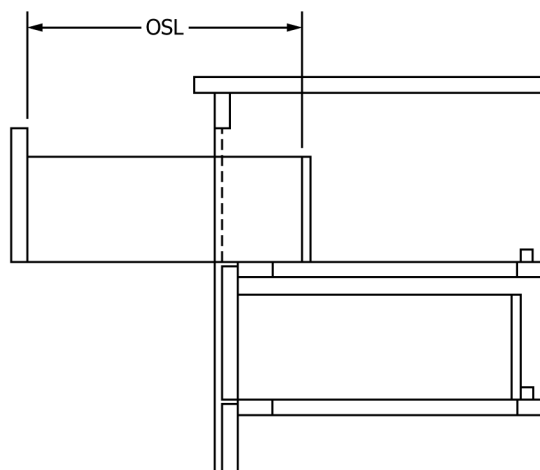
4.2 During the test, the unit shall not tip over or be supported ~~only by an opened drawer, opened door, or opened or unopened flap~~ by any component unless that component was specifically designed for that purpose.

4.3 If a failed component prohibits the completion of the test, ~~the unit is to have the failed component then the failed component(s) shall be repaired or replaced to the original specifications, or the unit component replaced and the test repeated.~~ repeated with the failed component secured as to not affect the test results but to prevent the component from failing.

4.4 ~~Tip over~~ Tipover restraints shall be included with each item of furniture covered under the scope of this standard ~~safety specification for attachment by the consumer to the interior wall, framing, or other support and the case good to help prevent tipover.~~ consumer.

3.5 If a cable or strap type restraint is used, the strap must be tightened with no slack allowed when installed between the wall and case.

<sup>3</sup> 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.



**FIG. 31 Doors Operational Sliding Length (OSL)**

4.5 The tip-over tipover restraint provided and recommended method of attachments shall meet the requirement of Specification F3096 shall withstand a pull force of 50 lb.

3.7 Instructions shall be supplied with each unit providing clear and complete installation instructions.

4.6 A permanent warning label (see Fig. 2) shall be attached to the ease good clothing storage unit in a conspicuous location when in use such as inside of a drawer or door.

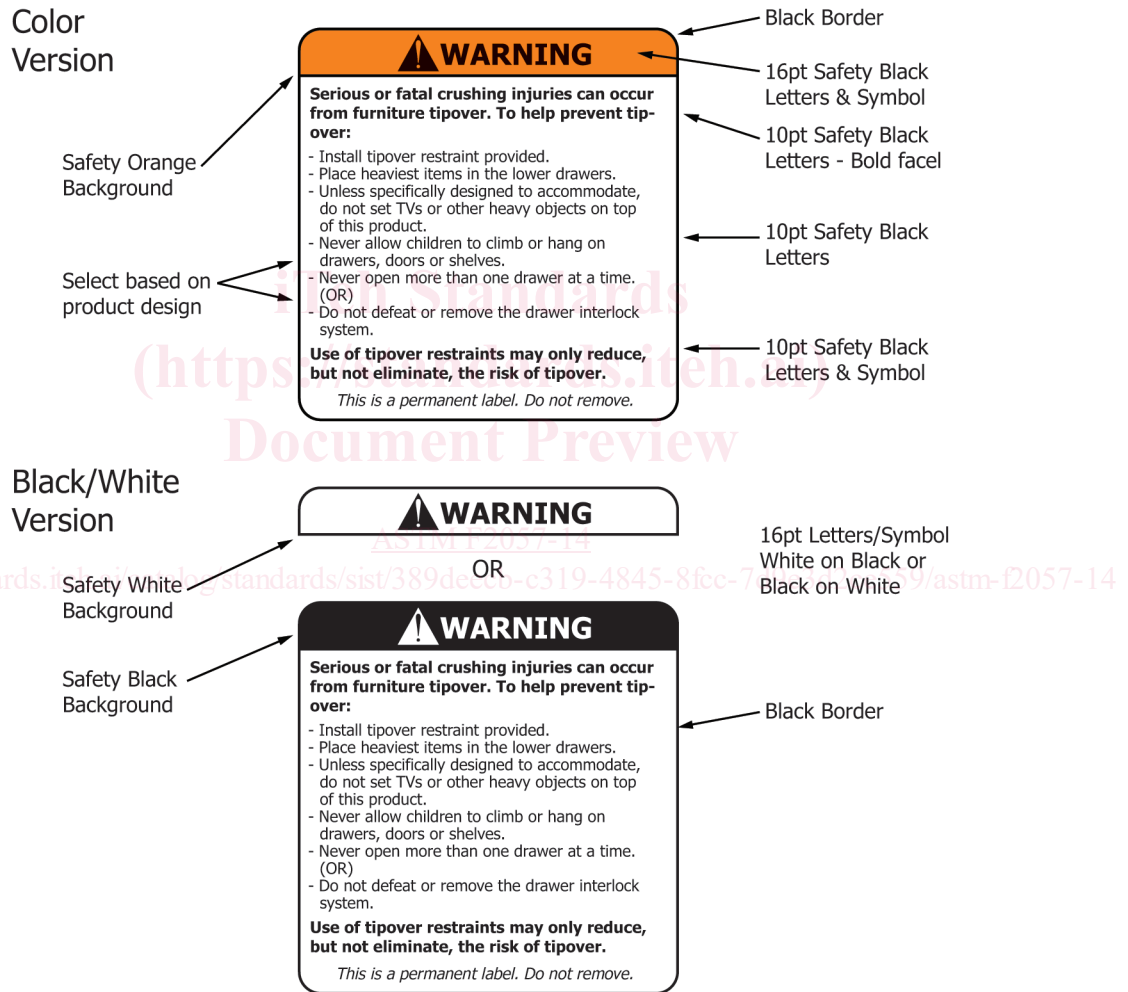
**TEST METHOD**

**5. Scope**

5.1 This test method is designed to test free-standing clothing storage unit tipover.

**6. Significance and Use**

6.1 The test method in 7.1.2 and 7.2.2 was developed to show how far the drawers of the unit being tested should be pulled out regardless of whether there are outstops or not.



- San Serif letters (Arial, Helvetica, etc.)
- Outside edge of label should have rounded corners
- Letter height may be larger. However, signal word letter height must be at least 50% larger than lettering in the message panel.

**NOTE**—This label is not to scale.

**FIG. 42 Drawers and Pullout Shelves Warning Label**