



Designation: F1816 – 18

# Standard Safety Specification for Drawstrings on Children’s Upper Outerwear<sup>1</sup>

This standard is issued under the fixed designation F1816; 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

Knots, toggles, and other decorative or functional attachments on the ends of long, loose drawstrings can catch and snag on other objects. Two hazards associated with such drawstrings on children’s upper outerwear have been identified: the potential strangulation hazard associated primarily with hood and neck area drawstrings of upper outerwear; the potential vehicular dragging hazard associated primarily with waist and bottom drawstrings of upper outerwear. This consumer safety specification is intended to reduce the risk of drawstrings on children’s upper outerwear accessing and getting snagged in various entrapment areas.

### 1. Scope

1.1 This specification covers and is intended to reduce strangulation and vehicular dragging hazards associated with drawstrings on children’s upper outerwear.

1.2 The type of clothing covered by this specification is girls’ and boys’ clothing, such as jackets and sweatshirts, generally intended to be worn on the exterior of other clothing.

1.3 The sizes covered by this specification are sizes 2T to 12 for neck/hood drawstrings and sizes 2T to 16 for waist/bottom drawstrings.

1.4 Upper outerwear with fully retractable drawstrings are exempt.

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 *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.*

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.37 on Drawstrings for Children’s Clothing.

Current edition approved Nov. 1, 2018. Published December 2018. Originally approved in 1997. Last previous edition approved in 2009 as F1816 – 97 (2009) which was withdrawn in July 2018 and reinstated in November 2018. DOI: 10.1520/F1816-18.

### 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

D5219 Terminology Relating to Body Dimensions for Apparel Sizing

### 3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *bartack, n*—the stitching through the drawstring and channel usually at the back center of the channel to prevent the drawstring’s being pulled through its channel.

3.1.2 *bottom of upper outerwear, n*—the edge that circumscribes the lowest part of the garment (most distant from the neck area).

3.1.3 *drawstring, n*—a non-retractable cord, ribbon, or tape of any material to pull together parts of upper outerwear to provide for closure.

3.1.4 *hood, n*—a loose, pliable covering for the head, either detachable or permanently attached to upper outerwear.

3.1.5 *neck area, n*—the area 1 in. (25 mm) above or below the neck opening.

3.1.6 *neck opening, n*—the opening is defined by the seam between the body of the upper outerwear and the collar or hood.

<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.