



Standard Terminology Relating to Fasteners and Closures Used with Textiles¹

This standard is issued under the fixed designation D2050; 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—A term was added editorially in September 2016.

1. Scope

1.1 This terminology document covers terminology pertaining to items that are considered fasteners and closures such as buttons, hook and loop touch fasteners, snap fasteners and slide fasteners used in the manufacture of textile products, except for seams and stitches.

1.2 Section 3, Terminology, is categorized into four subsections, specific to the four areas of specialization under this document:

- 1.2.1 Relating to Buttons
- 1.2.2 Relating Hook and Loop Touch Fasteners
- 1.2.3 Relating to Snap Fasteners
- 1.2.4 Relating to Slide Fasteners

1.3 Terminology relating specifically to buttons covers special terms or special meanings used in the button industry. These apply only to sew-through flange and shank buttons.

1.3.1 The principal types of buttons defined in this terminology document are illustrated in **Figs. 1-8**.

1.3.2 These figures are descriptive only and are not intended to be restrictive as to design.

1.4 Terminology relating specifically to snap fasteners includes illustration of prong-ring attached fastener parts in **Fig. 9**.

1.4.1 These figures are descriptive only and are not intended to be restrictive as to design.

1.5 Terminology relating specifically to the principle parts of slide fasteners defined in this terminology are illustrated in **Figs. 10-19**.

1.5.1 These figures are descriptive only and are not intended to be restrictive as to design.

1.6 Terminology relating specifically to the textile joining structures (seams and stitches) are discussed in detail in Terminology D5646.

1.7 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.

2. Referenced Documents

2.1 ASTM Standards:²

- D123 Terminology Relating to Textiles**
- D1230 Test Method for Flammability of Apparel Textiles**
- D2061 Test Methods for Strength Tests for Zippers**
- D4846 Test Method for Resistance to Unsnapping of Snap Fasteners**
- D5169 Test Method for Shear Strength (Dynamic Method) of Hook and Loop Touch Fasteners**
- D5171 Test Method for Impact Resistance of Plastic Sew-Through Buttons**
- D5646 Terminology Relating to Seams and Stitches Used in Home Sewing**
- D7142 Test Method for Holding Strength of Prong-Ring Attached Snap Fasteners**

3. Terminology

RELATING TO BUTTONS

assembled button, *n*—a decorative button consisting of combinations of similar or dissimilar materials, such as plastic and metal or metal and metal, which have been joined together by such processes as gluing, swedging or metal stamping.

bridge, *n*—the area of a button between the holes partially covered by the sewing threads with dimensions varying upon design and end use.

button, *n*—a knot, disc, or similar object which when forced through a narrow opening or buttonhole, fastens one part of a garment or other flexible substrate to another. **D5171**

¹ This terminology is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.54 on Subassemblies. These definitions were developed in cooperation with the American Fastener and Closure Assn. Inc.

Current edition approved Jan. 1, 2011. Published February 2011. Originally approved in 1961. Last previous edition approved in 2009 as D2050 – 09. DOI: 10.1520/D2050-11E01.

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.