



Designation: D2060 – 14 (Reapproved 2022)

Standard Test Methods for Measuring Zipper Dimensions¹

This standard is issued under the fixed designation D2060; 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.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

1.1 These test methods cover the measurement of the dimensions of all types and sizes of zippers.

1.2 The test methods appear as follows:

	Sections
Chain Flatness	34 – 39
Chain Straightness	40 – 44
Chain Thickness	28 – 33
Chain Width	45 – 50
Length of Zipper or Parts	9 – 14
Longitudinal Dimensional Change	51 – 58
Slider Mouth Width	21 – 27
Tape Width	15 – 20

1.3 The values stated in either SI units or in other units shall be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system must be used independently of the other, without combining values in any way.

1.4 *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.*

1.5 *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

D123 Terminology Relating to Textiles

D1776 Practice for Conditioning and Testing Textiles

¹ These test methods are under the jurisdiction of ASTM Committee D13 on Textiles and are the direct responsibility of Subcommittee D13.54 on Subassemblies., Inc.

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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.

D2050 Terminology Relating to Subassemblies Used in the Manufacture of Textiles

D2051 Test Method for Durability of Finish of Zippers to Laundering

D2052 Test Method for Colorfastness of Zippers to Drycleaning

D2053 Test Method for Colorfastness of Zippers to Light

D2054 Test Method for Colorfastness of Zipper Tapes to Crocking

D2057 Test Method for Colorfastness of Zippers to Laundering

D2058 Test Method for Durability of Finish of Zippers to Drycleaning

D2059 Test Method for Resistance of Zippers to Salt Spray (Fog)

D2061 Test Methods for Strength Tests for Zippers

D2062 Test Methods for Operability of Zippers

D2724 Test Method for Bond Strength of Bonded, Fused, and Laminated Apparel Fabrics

D2905 Practice for Statements on Number of Specimens for Textiles (Withdrawn 2008)³

D3657 Specification for Zipper Dimensions

E145 Specification for Gravity-Convection and Forced-Ventilation Ovens

2.2 *AATCC Method:*

AATCC 143 Appearance of Apparel and Other Textile End Products After Repeated Home Launderings⁴

2.3 *ANSI Standard:*

ANSI/ASQC Z1.4 Sampling Procedures for Inspection by Attributes⁵

3. Terminology

3.1 For definitions of terms relating to Subassemblies, D13.54, refer to Terminology **D2050**.

3.1.1 The following terms are relevant to this standard: dimension, zipper.

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Technical Manual of the American Association of Textile Chemists and Colorists, P. O. Box 12215, Research Triangle Park, NC 27709.

⁵ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.