



Designation: D6240/D6240M – 12 (Reapproved 2021)^{ε1}

Standard Tables of Body Measurements for Mature Men, ages 35 and older, Sizes Thirty-Four to Fifty-Two (34 to 52) Short, Regular, and Tall¹

This standard is issued under the fixed designation D6240/D6240M; 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—In Table 2, Shoulder Slope values were corrected editorially to degree values in January 2021.

INTRODUCTION

These body measurement tables were developed from evaluation of data currently used in the apparel industry. These tables were developed from data published by the U.S. Department of Commerce,² Caesar Study,³ Size USA Study,⁴ Current USA industry and Studies, Scans and documentation from Alvanon Inc.⁵ This standard takes into consideration Mature Men at a standard height of Short 5 ft 7 in., Regular 5 ft 10 in., and Tall 6 ft 2 in. (65 % of average USA population) taking into account the decrease and increase in body weight that shift a person from one size to another, while this person does not gain in height. Major review and evaluation was done. The incremental growth at different key body points has been addressed and defined, which resulted in identifying increases and decreases at different rates in specific areas; chest, waist, high hip and hip/seat. Additionally to better serve the industry, incremental movement between sizes was reviewed ensuring smooth transition between sizes. To verify the proposed body measurements, a three-dimensional Avatar was created in the Men's Short, Regular and Tall size range 34 through 52 by Alvanon Inc. for a visual reference and is also attached in the documentation.

1. Scope

1.1 These tables list body measurements of mature male figure type, age 35 and older, sizes 34 through 52 in Short, Regular, and Tall. Although these are body measurements, they can be used as a baseline in designing apparel for Mature Men in this size range when considering such factors as fabric type, ease for body movement, styling, and fit.

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each

system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.3 *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.*

1.4 *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:⁶ D123 Terminology Relating to Textiles

¹ These tables are under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.55 on Body Measurement for Apparel Sizing.

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² U.S. Department of Commerce, *Voluntary Product Standard: Body Measurements for the Sizing of Children's Apparel*, NIST Publication No. PS 54-172, Washington, DC.

³ Caesar: Summary Statistics for the Adult population (Ages 18-65) of the United States of America, June 2002.

⁴ Available from: <http://www.tc2.com/sizeusa.html>

⁵ Alvanon, Inc., 145 W. 30th Street, Suite 1000, New York, NY 10001.

⁶ 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.