



Designation: D8523 – 23

Standard Tables of Body Measurements for Big Boys Regular Figure Type, Size Range 7 – 20¹

This standard is issued under the fixed designation D8523; 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.

INTRODUCTION

This body measurement table was developed from evaluation of data currently used in apparel industry.

These tables were developed from data published by the Centers for Disease Control, Current USA industry, Studies, Scans and documentation from Alvanon Inc. This standard takes into consideration Boys figures at a standard heights relative to the CDC percentiles nearing 50 %, All sudden shifts of proportion have been eliminated so as to reflect the gradual growth and development of the child. Major evaluation was done, reviewing the incremental growth at different major body points has been addressed and defined, identifying increase and decrease at different rates in specific areas: **bust/chest, waist, high hip and seat/hip**. 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 in each size was created in the big boys regular size range 7-20) by Alvanon Inc. for a visual reference and also attached in the documentation.

1. Scope

1.1 These tables list body measurements of big boy's regular figure Type sizes 7 through 20. Although these are body measurements, they can be used as a baseline in designing apparel for boys regular in this size range when considering such factors as fabric type ease for body movement, styling, and fit.

1.2 These tables list body measurements for the complete range of big boy's sizing.

1.3 The values stated in either acceptable SI units or inch 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 standard-*

ization 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

D5219 Terminology Relating to Body Dimensions for Apparel Sizing

2.2 *ISO Standard:*

ISO 3635 Size Designation of Clothes, Definitions, and Body Measurement Procedures²

3. Terminology

3.1 *Definitions:*

3.1.1 For definitions relating to body dimensions, refer to Terminology **D123**.

3.1.2 For definitions of other textile terms used in this standard, refer to Terminology **D5219**.

4. Significance and Use

4.1 The use of the body measurement information in Tables 1–2 will assist manufacturers in developing patterns and

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

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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.