



Standard Tables of Body Measurements for Boys, Sizes 8 to 14 Slim and 8 to 20 Regular¹

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INTRODUCTION

These tables were developed from body measurements used currently by apparel manufacturers and retail organizations. The measurements were derived originally from the 1970 Voluntary Product Standard PS 36-70 by the U.S. Department of Commerce National Bureau of Standards.²

1. Scope

1.1 These tables list body measurements of boys, sizes 8 to 14 Slim and 8 to 20 Regular. Although these are body measurements, they can be used as a baseline in designing apparel for boys and students 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 Slim and Regular. Slim subjects are of same stature (height), with a slimmer body, and lower body weight than regular subjects as illustrated by the measurement charts.

1.3 The values stated in either acceptable SI units or inch-pound 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 and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 123 Terminology Relating to Textiles³

D 5219 Terminology Relating to Body Dimensions for Apparel Sizing⁴

2.2 ISO Standard:

ISO 3635 Size Designation of Clothes, Definitions, and

Body Measurement Procedures⁵

3. Terminology

3.1 Definitions:

3.1.1 For definitions relating to body dimensions, refer to Terminology D 5219.

3.1.2 For definitions of other textile terms used in these tables, refer to Terminology D 123.

4. Significance and Use

4.1 The use of the body measurement information in Tables 1-4 will assist manufacturers in developing patterns and garments that are consistent with the current anthropometric characteristics of the population of interest. These tables should in turn reduce or minimize consumer confusion and dissatisfaction related to apparel sizing. (Also refer to ISO 3635.)

5. Apparatus

5.1 *Tape Measure*, dimensionally stable and approximately 15 mm (½ in.) wide and accurately graduated in 1.6 mm (⅛ in.) increments.

5.2 *Plastic Goniometer*, to measure the degree of shoulder slope.

5.3 *Scale*, standard, calibrated body weight type.

6. Procedure

6.1 General:

6.1.1 For all vertical and most horizontal measurements, the subject is to be standing erect without shoes and with feet approximately 15 cm (6 in.) apart.

6.1.2 Take measurements over regular undergarments normally worn.

6.1.3 Take all measurements from the same side of the body for consistency.

¹ These tables are under the jurisdiction of ASTM Committee D-13 on Textiles and are 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 Boys' Apparel*, NIST Publication No. PS 36-70, Washington, DC.

³ *Annual Book of ASTM Standards*, Vol. 07.01.

⁴ *Annual Book of ASTM Standards*, Vol. 07.02.

⁵ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.