



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 data published by the U.S. Department of Commerce. These data were based on original research conducted by the U.S. Department of Agriculture² in the 1930s. This standard takes into consideration children's growth patterns reflected in the 1980 charts for the National Center for Health Statistics³ and the 1977 Anthropometric Study of U.S. Infants and Children conducted by the University of Michigan⁴ and 2000 CDC Growth Charts for the United States⁵ and CDC Advance Data No. 361, Dated 7/5/2005. All sudden shifts of proportion have been eliminated so as to reflect the gradual growth and development of the child. To verify the proposed body measurements, a three-dimensional Avatar was created in the size range by Alvanon Inc.⁶ for a visual reference and also attached in the documentation.

1. Scope

1.1 These tables list body measurements of boys sizes. Although these are body measurements, they can be used as a baseline in designing apparel for boys in this size range when considering such factors as fabric type, ease for body movement, styling, and fit.

1.2 The maximum age for the Boy's chart is 15 years old to the size 20.

1.3 The size table includes the range of toddler sizes, these values are for both girls and boys and will be included in the girl's standard as well.

1.4 These tables list body measurements for the complete range of Boys sizing. 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 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 U.S. Department of Commerce, *Voluntary Product Standard: Body Measurement for the Sizing of Children's Apparel*, NIST Publication No. PS 54–172, Washington, D.C.

³ Available from National Center for Health Statistics (NCHS), a division of Centers for Disease Control & Prevention (CDC), 1600 Clifton Rd., Atlanta, GA 30333, <http://www.cdc.gov>.

⁴ Snyder, Lawrence, *Anthropometry of Infants, Children, and Youth to Age 18*, University of Michigan, May 1977.

⁵ 2000 CDC Growth Charts for the United States: Methods and Development, National Center for Health Statistics, *Vital Health Stat*, 11 (246), 2002.

⁶ Alvanon, Inc. 145W 30th Street Suite 1000, New York, NY 10001.

1.5 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.

1.6 *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:⁷

D123 Terminology Relating to Textiles

D5219 Terminology Relating to Body Dimensions for Apparel Sizing

2.2 ISO Standard:⁸

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

3. Terminology

3.1 Definitions:

3.1.1 For definitions relating to body dimensions, refer to Terminology D5219.

⁷ 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.

⁸ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

3.1.2 For definitions of other textile terms used in this standard, refer to Terminology **D123**.

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. This practice should in turn reduce or minimize consumer confusion and dissatisfaction related to apparel sizing. (Also refer to ISO 3635 Size Designation Procedures.)

4.2 Three-dimensional avatars depicting each of the children's sizes were created by Alvanon, Inc. and included in this standard to assist manufactures in visualizing the posture, shape, and proportions generated by the measurements charts in the accompanying Tables. (See **Figs. 1-9**.)

5. Apparatus

5.1 *Tape Measure*, (dimensionally stable and approximately 1.5 cm (1/2 in.) wide and graduated accurately in cm (1/16 in.).

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

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

5.4 *Metal Ruler*.

6. Procedure

6.1 General:

6.1.1 For all vertical and most horizontal measurements, 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.

6.1.4 Refer to Terminology **D5219** for the location of all points to be measured.

6.2 Body Measurements:

6.2.1 *Body Weight*—Weight as measured on a calibrated scale taken with the subject in undergarments.

6.2.2 *Head Girth*—Measure the maximum horizontal circumference of the head above the ears.

6.2.3 *Neck Base Girth*—Measure the circumference of the neck, taken over the cervicale at the back and the top of the collarbone at the front.

6.2.4 *Mid-Neck Girth*—Measure the horizontal circumference of the neck, taken approximately 25 mm (1 inch) above the neck base level.

6.2.5 *Shoulder Girth*—Measure the horizontal circumference around the shoulders, taken at the front break-point level with the arms down.

6.2.6 *Chest/Bust Girth*—Measure the horizontal circumference around the body, taken under the arms and across the fullest part of the chest/bust apex including the lower portion of the shoulder blades.

6.2.7 *Under-Bust Girth*—Measure the horizontal circumference around the body under the arms and bust.

6.2.8 *Upper-Chest Girth*—Measure the horizontal circumference around the body, taken under the arms and above the fullest part of the chest/bust including the lower portion of the shoulder blades.

6.2.9 *Waist Girth*—Measure the minimum horizontal circumference around the body at waist height.

6.2.10 *High-Hip Girth*—Measure the maximum horizontal circumference around the body, taken at high hip level approximately 7.5 cm (3 inches) below the waist level including the abdominal extension.

6.2.11 *Hip/Seat Girth*—Measure the maximum horizontal circumference around the body at hip height.

6.2.12 *Thigh Girth*—Measure the maximum horizontal circumference of the upper leg, taken close to the crotch.

6.2.13 *Mid-Thigh Girth*—The maximum horizontal circumference of the upper leg, taken midway between the hip girth level and the midpoint (or crease) of the knee.

6.2.14 *Knee Girth*—Measure the maximum horizontal circumference of the knee, taken over the kneecap with the leg straight.

6.2.15 *Calf Girth*—Measure the maximum horizontal circumference of the lower leg, taken between the knee and the ankle.

6.2.16 *Ankle Girth*—Measure the maximum horizontal circumference of the ankle, taken over the greatest prominence of the anklebones.

6.2.17 *Armseye Girth*—Measure the circumference from the shoulder joint through the front break-point, the armpit, the back break-point and to the starting point, taken with the arms down.

6.2.18 *Upper-Arm Girth*—Measure the maximum circumference of the arm, taken midway between the elbow and the shoulder joints with the arm bent 1.57 rad (90°).

6.2.19 *Elbow Girth*—Measure the maximum circumference of the elbow, taken over the outer prominence of the elbow bone with the arm bent 1.57 rad (90°).

6.2.20 *Wrist Girth*—Measure the maximum circumference of the wrist, taken over the inner and outer prominence of the wrist bones.

6.2.21 *Hand Girth*—Measure the maximum circumference of the hand around the knuckles excluding the thumb, taken with the fingers together.

6.2.22 *Trunk Length (total vertical)*—Measure the circumference taken from a point on the right shoulder midway between the neck base and the shoulder joint, down the back through the crotch and up over the prominence of the right chest/bust apex to the starting point, avoiding constriction at the crotch.

TABLE 1 Boy's Sizes 2–20 Body Measurements, Inch-Pound Units

	Children's Body Measurements 2 to 7						Boy's Body Measurements 8-20, maximum age based at 15 yrs.						
Size	2	3	4	5	6	7	8R	10R	12R	14R	16R	18R	20R
Body Weight (Mean), lb	29	31½	36	41	45	55	65	78	95	108	118	130	140
Body Weight (Range), lb	28-30	30-33	34-38	39-43	42-48	52-58	61-68	71-87	87-100	102-112	114-125	125-135	132-146
Girth Measurements, in.													
Head Girth	20	20¼	20½	20¾	21	21⅝	21½	21¾	22	22¼	22½	22¾	23
Neck Base Girth	10⅞	10⅞	10¾	11½	11½	11½	12	12⅞	12¾	13¼	13¾	14¼	14¾
Mid-Neck Girth	9¼	9⅞	9⅞	10	10⅞	10⅞	10¾	11½	11½	12	12½	13	13½
Shoulder Girth	23⅞	24⅞	25⅞	26¾	27¾	29⅞	30½	31¾	33⅞	34¾	36⅞	37¾	39¼
Chest/Bust Girth	20½	21	22	23	24	25½	26½	27½	28½	30½	32	33½	35
Under-Bust Girth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Upper-Chest Girth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Waist Girth	21	21½	22	22½	23	23½	24½	25½	26½	28	29½	31	32½
High-Hip Girth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hip/Seat Girth	21	22	23	24	25	26½	27¾	29	30½	32	33½	35	36½
Thigh Girth	11¾	12⅞	13	13⅞	14¼	15½	16½	17	17¾	18½	19¼	20	20¾
Mid-Thigh Girth	11	11⅞	11⅞	12⅞	12⅞	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Knee Girth	8½	8¾	9⅞	9½	9⅞	10½	11½	11½	12	12⅞	13¼	13⅞	14½
Calf Girth	8¼	8⅞	8⅞	9	9⅞	10⅞	10⅞	11	11½	12⅞	12¾	13⅞	14
Ankle Girth	5½	5⅞	6¼	6⅞	7	7⅞	8	8¼	8⅞	9	9⅞	9¾	10⅞
Armseye Girth	8½	9⅞	9¾	10⅞	11	11¾	12⅞	13	13¼	13¾	14⅞	15¼	16⅞
Upper-Arm Girth	6⅞	6⅞	6⅞	6⅞	7⅞	7½	7¾	8¼	8¾	9¼	9¾	10¼	10¾
Elbow Girth	6¼	6½	6¾	7	7¼	7½	7¾	8⅞	8½	8⅞	9¼	9⅞	10
Wrist Girth	4½	4⅞	4¾	4⅞	5	5¼	5½	5¾	6	6¼	6½	6⅞	6¾
Hand Girth	5¾	6	6	6⅞	6¼	6¾	7¼	7½	8⅞	8⅞	8⅞	9¼	9⅞
Trunk Length (total vertical girth)	33¾	35⅞	38⅞	40¼	42⅞	43⅞	45⅞	49¾	52¼	53¾	55¾	60	63¾
Vertical Measurements, in.													
Height, inches	35	38	41	44	46½	49½	52	55½	58½	61½	64	66½	69
Head and Neck Length	6¾	7	7¼	7½	7½	7¾	8	8⅞	8¼	8½	8¾	9	9⅞
Cervicale Height	28¼	31	33¾	36¼	38¾	41⅞	44	47⅞	50¼	53	55¼	57½	59⅞
Cervicale to Crotch	14¼	15⅞	16⅞	17½	18½	18¾	19¾	21⅞	22⅞	23¼	24¼	26⅞	28⅞
Cervicale to Knee	-	-	-	-	-	28⅞	29⅞	32	33½	35	36⅞	38⅞	40⅞
Center Back Waist Length	8⅞	9⅞	10⅞	10⅞	11⅞	11⅞	12	13⅞	13¾	14	14½	15⅞	16¾
Center Front Waist Length	8	8½	9	9⅞	9⅞	10½	10⅞	11⅞	12⅞	12½	13	14	15
Scye Depth	3¼	3⅞	3⅞	4¼	4½	4⅞	4⅞	5¼	5⅞	5½	5¾	6	6⅞
Side Waist Length	4¾	5	5⅞	5⅞	5½	5¾	5¾	6½	7⅞	7⅞	7½	8	8⅞
Waist to Hip/Seat Height	3⅞	3¾	4⅞	4¾	5	5	5¾	6	6⅞	6¼	6⅞	7	7½
Waist to Knee Height	11	12¼	13⅞	14⅞	16	16⅞	18	19¼	20	21⅞	22½	23⅞	24
Waist Height	19½	21⅞	23⅞	26	28	30⅞	32⅞	34⅞	36¾	39⅞	41⅞	42¼	43½
High-Hip Height	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hip/Seat Height	16⅞	17⅞	19½	21¼	22⅞	25¼	26¾	28½	30⅞	33⅞	34⅞	35¼	36
Crotch Height	14	15⅞	17⅞	18¾	20¼	23¼	24¼	25½	27⅞	29¾	31	31⅞	31¾
Rise Height	5½	6	6¾	7¼	7¾	7½	8⅞	9⅞	9⅞	9⅞	10⅞	11⅞	11¾
Knee Height	8½	9⅞	10¼	11⅞	12	13¾	14⅞	15⅞	16¾	18	18⅞	19⅞	19½
Ankle Height	2	2⅞	2¼	2⅞	2½	2⅞	3⅞	3¼	3½	3½	3½	3½	3½
Width and Length Measurements, in.													
Crotch Length (total)	14¾	15⅞	17	18	19⅞	19½	20⅞	22½	23¾	24¾	26	27¾	29½
Shoulder Length	2⅞	3	3⅞	3¼	3⅞	3½	3¾	3⅞	4⅞	4⅞	4⅞	4¾	4⅞
Shoulder Slope	22°	22°	21.5°	21.5°	21.5°	19°	19°	19°	19°	19°	19°	19°	19°
Shoulder Drop	1	1⅞	1⅞	1¼	1¼	1¼	1⅞	1⅞	1⅞	1⅞	1½	1⅞	1⅞
Across Back Shoulder Width	9¼	9⅞	10	10⅞	10¾	11¼	12	12¼	12¾	13½	14⅞	14⅞	15⅞
Across Front Shoulder Width	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Upper Back Width	8⅞	9⅞	9⅞	9¾	10	11	11⅞	11¾	12¼	13⅞	13⅞	14⅞	14½
Upper Front Chest Width	8⅞	8½	8⅞	9¼	9½	9⅞	10½	10⅞	11⅞	11⅞	12¼	12¾	13⅞
Back Width	-	-	-	-	-	-	-	-	-	-	-	-	-
Front Chest Width	-	-	-	-	-	-	-	-	-	-	-	-	-
Bust Point to Bust Point	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Neck to Bust Point	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bust Point to Bust Point (Halter)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cervicale to Wrist Length	17½	18⅞	19¾	20⅞	21⅞	22¼	23¾	25⅞	26⅞	27⅞	29⅞	30½	32
Shoulder and Arm Length	15¾	16⅞	18	19	19⅞	20¼	21½	22⅞	24⅞	25⅞	26¾	28¼	29⅞
Arm Length	12⅞	13⅞	14⅞	15¾	16⅞	16¾	17¾	19	20	21	22½	23½	24½
Hand Length	3¾	3⅞	4¼	4½	5	5¼	5½	5⅞	6⅞	7	7⅞	7⅞	8
Hand Width	3⅞	3¼	3¼	3⅞	3½	3¾	4⅞	4¼	4⅞	4⅞	5⅞	5¼	5⅞
Foot Length	5¼	5⅞	6	6½	6⅞	7¾	8⅞	8¾	9⅞	9⅞	9⅞	10	10⅞
Foot Width	2¼	2⅞	2½	2⅞	2⅞	2⅞	3¼	3⅞	3½	3⅞	3¾	4	4¼

6.2.23 Height—Measure the vertical distance from the crown of the head to the floor, taken with subject standing and without shoes.

6.2.24 Head and Neck Length—Measure the distance from the crown of the head to the cervicale (contour), taken with the head erect and the neck unbent.

6.2.25 Cervicale Height—Measure the vertical distance from the cervicale to the floor, taken with subject standing and without shoes.

6.2.26 Cervicale to Crotch—Measure the vertical distance from the cervicale to the horizontal mid-point of the crotch, taken with subject standing.

TABLE 2 Boy's Sizes 2–20 Body Measurements, SI Units

	Children's Body Measurements 2 to 7						Boy's Body Measurements 8-20, maximum age based at 15 yrs.						
Size	2	3	4	5	6	7	8R	10R	12R	14R	16R	18R	20R
Body Weight (Mean), kg	13.15	14.29	16.33	18.60	20.41	24.95	29.48	35.38	43.09	48.99	53.52	58.97	63.50
Body Weight (Range), kg	12.70-13.61	13.61-14.97	15.42-17.24	17.69-19.50	19.05-21.77	23.59-26.31	27.67-30.84	32.21-39.46	38.56-43.09	44.91-49.90	49.44-54.43	53.52-59.42	58.06-64.41
Girth Measurements, cm													
Head Girth	50.88	51.52	52.15	52.79	53.42	54.38	54.70	55.33	55.97	56.60	57.24	57.88	58.51
Neck Base Girth	25.76	26.39	27.35	28.30	29.26	29.26	30.53	31.48	32.44	33.71	34.98	36.25	37.52
Mid-Neck Girth	23.53	23.85	24.49	25.44	26.39	26.39	27.35	28.30	29.26	30.53	31.80	33.07	34.34
Shoulder Girth	59.47	61.37	65.19	68.05	70.60	74.09	77.59	80.77	84.27	88.40	91.90	96.04	99.85
Chest/Bust Girth	52.15	53.42	55.97	58.51	61.06	64.87	67.42	69.96	72.50	77.59	81.41	85.22	89.04
Under-Bust Girth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Upper-Chest Girth	-	-	-	-	-	-	-	-	-	-	-	-	-
Waist Girth	53.42	54.70	55.97	57.24	58.51	59.78	62.33	64.87	67.42	71.23	75.05	78.86	82.68
High-Hip Girth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hip/Seat Girth	53.42	55.97	58.51	61.06	63.60	67.42	70.60	73.78	77.59	81.41	85.22	89.04	92.86
Thigh Girth	29.89	31.48	33.07	34.66	36.25	39.43	41.98	43.25	45.16	47.06	48.97	50.88	52.79
Mid-Thigh Girth	27.98	29.57	30.21	31.48	32.75	-	-	-	-	-	-	-	-
Knee Girth	21.62	22.26	23.21	24.17	25.12	26.71	28.30	29.26	30.53	32.12	33.71	35.30	36.89
Calf Girth	20.99	21.31	21.94	22.90	23.85	25.76	27.03	27.98	29.26	30.85	32.44	34.03	35.62
Ankle Girth	13.99	14.95	15.90	16.85	17.81	19.40	20.35	20.99	21.94	22.90	23.85	24.80	25.76
Armscye Girth	21.62	23.21	24.80	26.39	27.98	29.89	32.12	33.07	33.71	34.98	36.57	38.80	41.66
Upper-Arm Girth	15.58	16.22	16.85	17.49	18.13	19.08	19.72	20.99	22.26	23.53	24.80	26.08	27.35
Elbow Girth	15.90	16.54	17.17	17.81	18.44	19.08	19.72	20.67	21.62	22.58	23.53	24.49	25.44
Wrist Girth	11.45	11.77	12.08	12.40	12.72	13.36	13.99	14.63	15.26	15.90	16.54	16.85	17.17
Hand Girth	14.63	15.26	15.26	15.58	15.90	17.17	18.44	19.08	20.67	21.31	21.94	23.53	23.85
Trunk Length (total vertical girth)	85.86	91.27	97.63	102.40	107.80	110.35	116.07	126.56	132.92	136.74	141.83	152.64	162.18
Vertical Measurements, cm													
Height, cm	89.04	96.67	104.30	111.94	118.30	125.93	132.29	141.19	148.82	156.46	162.82	169.18	175.54
Head and Neck Length	17.17	17.81	18.44	19.08	19.08	19.72	20.35	20.67	20.99	21.62	22.26	22.90	23.21
Cervicale Height	71.87	78.86	85.86	92.22	98.58	106.53	111.94	120.52	127.84	134.83	140.56	146.28	152.32
Cervicale to Crotch	36.25	39.11	42.29	44.52	47.06	47.70	50.24	55.65	58.19	59.15	61.69	67.10	71.55
Cervicale to Knee	-	-	-	-	-	71.55	75.37	81.41	85.22	89.04	93.17	97.63	102.71
Center Back Waist Length	22.58	24.49	25.76	27.03	28.30	29.57	30.53	33.39	34.98	35.62	36.89	39.75	42.61
Center Front Waist Length	20.35	21.62	22.90	23.85	25.12	26.71	27.03	30.21	31.48	31.80	33.07	35.62	38.16
Scye Depth	8.27	9.22	9.86	10.81	11.45	11.77	12.40	13.36	13.67	13.99	14.63	15.26	16.22
Side Waist Length	12.08	12.72	13.67	13.67	13.99	14.63	14.63	16.54	18.13	18.76	19.08	20.35	21.31
Waist to Hip/Seat Height	8.59	9.54	11.13	12.08	12.72	12.72	14.63	15.26	15.58	15.90	16.22	17.81	19.08
Waist to Knee Height	27.98	31.16	34.66	37.84	40.70	42.93	45.79	48.97	50.88	54.38	57.24	58.83	61.06
Waist Height	49.61	55.01	60.74	66.14	71.23	77.91	82.36	88.09	93.49	100.17	104.62	107.48	110.66
High-Hip Height	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hip/Seat Height	41.02	45.47	49.61	54.06	58.19	65.51	68.05	72.50	77.91	84.27	88.72	89.68	91.58
Crotch Height	35.62	39.75	43.57	47.70	51.52	59.15	61.69	64.87	69.64	75.68	78.86	79.18	80.77
Rise Height	13.99	15.26	17.17	18.44	18.76	19.08	20.67	23.21	23.85	24.49	25.76	28.30	29.89
Knee Height	21.62	23.85	26.08	28.30	30.53	34.98	36.57	39.11	42.61	45.79	47.38	48.65	49.61
Ankle Height	5.09	5.41	5.72	6.04	6.36	7.31	7.95	8.27	8.90	8.90	8.90	8.90	8.90
Width and Length Measurements, cm													
Crotch Length (total)	37.52	39.75	43.25	45.63	48.65	49.61	52.47	57.24	60.42	62.96	66.14	70.60	75.05
Shoulder Length	7.31	7.63	7.95	8.27	8.59	8.90	9.54	9.86	10.49	11.13	11.77	12.08	12.40
Shoulder Slope (degrees)	55.97°	55.97°	54.70°	54.70°	54.70°	48.34°	48.34°	48.34°	48.34°	48.34°	48.34°	48.34°	48.34°
Shoulder Drop	2.54	2.86	2.86	3.18	3.18	3.18	3.50	3.50	3.50	3.50	3.82	4.13	4.13
Across Back Shoulder Width	23.53	24.49	25.44	26.39	27.35	28.62	30.53	31.16	32.44	34.34	35.93	37.21	38.48
Across Front Shoulder Width	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Upper Back Width	22.58	23.21	23.85	24.80	25.44	27.98	29.57	29.89	31.16	33.39	34.66	35.93	36.89
Upper Front Chest Width	20.67	21.62	22.58	23.53	24.17	25.12	26.71	27.03	28.30	30.21	31.16	32.44	33.39
Back Width	-	-	-	-	-	-	-	-	-	-	-	-	-
Front Chest Width	-	-	-	-	-	-	-	-	-	-	-	-	-
Bust Point to Bust Point	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Neck to Bust Point	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bust Point to Bust Point (Halter)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Cervicale to Wrist Length	44.52	47.38	50.24	53.11	55.65	56.60	60.42	63.92	67.10	70.91	74.09	77.59	81.41
Shoulder and Arm Length	40.07	42.93	45.79	48.34	50.56	51.52	54.70	58.19	61.37	64.55	68.05	71.87	74.73
Arm Length	32.75	35.30	37.84	40.07	42.29	42.61	45.16	48.34	50.88	53.42	56.29	59.78	62.33
Hand Length	9.54	9.86	10.81	11.45	12.72	13.36	13.99	14.95	16.22	17.81	18.13	19.40	20.35
Hand Width	7.95	8.27	8.27	8.59	8.90	9.54	10.49	10.81	11.77	12.40	13.04	13.36	13.67
Foot Length	13.36	14.31	15.26	16.54	17.49	19.72	21.31	22.26	23.21	23.85	24.49	25.44	26.39
Foot Width	5.72	6.04	6.36	6.68	6.68	7.31	8.27	8.59	8.90	9.22	9.54	10.18	10.81

6.2.27 Cervicale to Knee—Measure the vertical distance from the cervicale to a point level with the mid-point of the back of the knee (or crease).

6.2.28 Center Back Waist Length—Measure from the cervicale to the center back waist level, taken along the spine (contour).