

Designation: D6240/D6240M - 12

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

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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 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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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 and health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents

2.1 ASTM Standards:⁶

D123 Terminology Relating to Textiles

D5219 Terminology Relating to Body Dimensions for Apparel Sizing

2.2 ISO Standard:⁷

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.

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.

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 these tables, refer to Terminology D123.

4. Significance and Use

- 4.1 The use of the body measurement information in Tables 1 and 2 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 mature mens sizes in short, regular and tall, were created by Alvanon, Inc. and included in this standard to assist manufacturers in visualizing the posture, shape, and proportions generated by the measurements charts in the accompanying Tables. (Avatar 1-6) See Figs. 1-3.

5. Apparatus

- 5.1 *Tape Measure*, (dimensionally stable and approximately 1.5 cm [½ in.] wide and graduated accurately in cm [½ 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. (For Infant special cases) For all vertical and most horizontal measurements, subject is to be lying down flat with legs extended and foot positioned at 1.57 rad (90°) to the leg.
- 6.1.2 Take measurements over 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 in.] 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 in.] 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 *Armscye 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 $1.57 \text{ rad } (90^{\circ})$.
- 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.
- 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.

TABLE 1 Body Measurements, Inch-Pound Units

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Sizes:	34	35	36	37	38	39	40	41	42	43	44	45	46	48	50	52
Body Weight (Mean), lb Body Weight (Range), lb	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 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	N/A N/A	N/A N/A	N/A N/A
Girth Measurements, inches	34	35	36	37	38	39	40	41	42	43	44	45	46	48	50	52
Head Girth	21%	211/8	22	221/4	223/8	225/8	223/4	23	231/8	233/8	231/2	233/4	237/8	241/4	245/8	25
Neck Base Girth	151/8	15%	15%	157/8	161/8	163/8	165/8	167/8	171/8	173/8	175/8	177/8	181/8	185/8	191/8	195/8
Mid-Neck Girth	141/4	141/2	143/4	15	151/4	151/2	153/4	16	161/4	161/2	163/4	17	171/4	173/4	181/4	183/4
Shoulder Girth	423/8	43	435/8	441/4	447/8	451/2	461/8	47	477/8	483/4	495/8	501/2	513/8	531/8	547/8	565/8
Chest/Bust Girth	34	35	36	37	38	39	40	41	42	43	44	45	46	48	50	52
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	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	N/A	N/A	N/A
Waist Girth	281/2	291/2	301/2	311/2	321/2	331/2	341/2	351/2	361/2	371/2	381/2	393/4	41	431/2	46	481/2
High-Hip Girth	303/4	313/4	323/4	33¾	343/4	35¾	36¾	373/4	383/4	395/8	401/2	411/2	421/2	441/2	461/2	481/2
Hip/Seat Girth	331/2	341/2	351/2	361/2	371/2	381/2	391/2	401/2	411/2	421/4	43	433/4	441/2	46	471/2	49
Thigh Girth	20	201/2	21	211/2	22	221/2	23	231/2	24	243/8	243/4	251/8	251/2	261/4	27	273/4
Mid-Thigh Girth	185/8	191/8	195/8	20	203/8	203/4	211/8	211/2	211/8	221/4	225/8	23	233/8	241/8	247/8	253/4
Knee Girth	14	141/4	141/2	143/4	15	151/4	151/2	15¾	16	161/4	161/2	163/4	17	171/2	18	181/2
Calf Girth	131/2	13¾	14	141/4	141/2	143/4	15	151/4	151/2	15¾	16	161/4	161/2	17	171/2	18
Ankle Girth	93/4	97/8	10	101/8	101/4	103/8	101/2	105/8	103/4	101/8	11	111/8	111/4	111/2	113/4	12
Armscye Girth - Short	151/4	151/2	15¾	161/8	161/2	161/8	171/4	171/2	173/4	18	183/8	185/8	187/8	193/8	20	205/8
Armscye Girth - Regular	15%	157/8	161/8	161/2	167/8	171/4	175/8	177/8	181/8	183/8	183/4	19	191/4	193/4	203/8	21
Armscye Girth - Tall	16	161/4	161/2	167/8	171/4	175/8	18	181/4	181/2	18¾	191/8	193/8	195/8	201/8	203/4	21%
Upper-Arm Girth	113/4	12	121/4	121/2	123/4	13	131/4	131/2	133/4	14	141/4	141/2	143/4	151/4	15¾	161/4
Elbow Girth	101/8	111/8	111/4	111/2	115/8	117/8	12	121/4	123/8	125/8	123/4	13	131/8	131/2	137/8	141/4
Wrist Girth	71/8	71/8	71/4	71/4	73/8	73/8	71/2	71/2	7 5/8	75/8	73/4	77/8	8	81/8	81/4	83/8
Hand 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	N/A	N/A	N/A
Trunk Length (total vertical girth) - Short	611/2	613/4	621/8	621/2	627/8	631/8	631/2	641/8	643/4	653/8	651/8	661/2	67	681/8	691/4	701/2
Trunk Length (total vertical girth) - Regular	631/2	633/4	641/8	641/2	647/8	651/8	651/2	661/8	663/4	673/8	671/8	681/2	69	701/8	711/4	721/2
Trunk Length (total vertical girth) - Tall	671/8	673/8	673/4	681/8	681/2	68¾	691/8	693/4	703/8	71	711/2	721/8	725/8	73¾	747/8	761/8
Vertical Measurements, inches	34	35	36	37	38	39	40	41	42	43	44	45	46	48	50	52
Height - Short	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
Height - Regular	70	70	70	70	70	70	_ 70	70	_ 70	70	70	70	70	70	70	70
Height - Tall	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
Head and Neck Length - Short	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8	97/8
Head and Neck Length - Regular	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Head and Neck Length - Tall	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8	101/8
Cervical Height - Short	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8	571/8
Cervical Height - Regular	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Cervical Height - Tall	637/8	631/8	637/8	637/8	637/8	631/8	637/8	637/8	637/8	637/8	637/8	637/8	637/8	631/8	637/8	637/8
Cervicale to Crotch - Short	267/8	267/8	267/8	267/8	267/8	261/8	267/8	261/8	27	27	271/8	271/8	271/4	273/8	271/2	275/8
Cervicale to Crotch - Regular	28	28	28	28	28	28	28	<u> </u>	281/8	281/8	281/4	281/4	283/8	281/2	285/8	283/4
Cervicale to Crotch - Tall	297/8	297/8	297/8	297/8	297/8	297/8	297/8	297/8	30	30	301/8	301/8	301/4	303/8	301/2	305/8
Cervicale to Knee - Short	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8	393/8
Cervicale to Knee - Regular	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	413/8	413/8	41%	41%
Cervicale to Knee - Tall	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Center Back Waist Length - Short	173/8	17 3/8	173⁄8	173/8	173/8	171/2	171/2	171/2	171/2	175⁄8	175⁄8	1 7 5⁄8	173/4	173/4	177/8	18
Center Back Waist Length - Regular	177/8	17 7/8	177/8	17 ⁷ /8	17 7/8	18	18	18	18	181/8	181/8	181/8	181/4	181/4	183/8	181/2
Center Back Waist Length - Tall	191/8	191/8	191/8	191/8	191/8	191/4	191/4	191/4	191/4	193/8	193/8	193/8	191/2	191/2	195/8	19¾
Center Front Waist Length - Short	15	15	15	15	15	15	151/8	151/8	151/8	151/8	151/4	151/4	151/4	15%	151/2	15%
Center Front Waist Length - Regular	151/2	151/2	151/2	151/2	15½	151/2	155/8	155/8	151/8	15%	15¾	15¾	15¾	151/8	16	161/8
Center Front Waist Length - Tall	16¾	16¾	16¾	16¾	16¾	16¾	167/8	167/8	167/8	167/ ₈	17	17	17	171/8	171/4	173/8
Scye Depth - Short	61/8	61/8	61/4	61/4	63/8	63/8	61/2	65/8	63/4	67/8	67/8	7	71/8	71/4	71/2	73/4
Scye Depth - Regular	63/8	63/8	61/2	61/2	65/8	65/8	63/4	67/8	7	71/8	71/8	71/4	73/8	71/2	73/4	8
Scye Depth - Tall	61/2	61/2	65/8	65/8	63/4	63/4	67/8	7	71/8	71/4	71/4	73/8	71/2	75/8	77/8	81/8
Side Waist Length - Short	91/2	93/8	91/4	91/8	9	87/8	83/4	85/8	85/8	81/2	81/2	83/8	83/8	81/4	8	77/8
Side Waist Length - Regular	95/8	91/2	93/8	91/4	91/8	9	87/8	83/4	83/4	85/8	85/8	81/2	81/2	83/8	81/8	8
Side Waist Length - Tall	103/4	105/8	101/2	103/8	101/4	101/8	10	97/8	97/8	93/4	93/4	95/8	95/8	91/2	91/4	91/8
Waist to Hip/Seat Height - Short	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4	63/4
Waist to Hip/Seat Height - Regular	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8	67/8
Waist to Hip/Seat Height - Tall	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4	71/4
Waist to Knee Height - Short	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8	225/8
Waist to Knee Height - Regular	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Waist to Knee Height - Tall	253/8	25%	25%	253/8	253/8	253/8	253/8	253/8	25%	25%	253/8	25%	253/8	253/8	25%	253/8
Waist Height - Short	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4	401/4
		425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8	425/8
Waist Height - Regular	425/8	/ 0						451/	4547	451/		4547	451/			451/4
Waist Height - Regular Waist Height - Tall	42 ⁵ / ₈ 45 ¹ / ₄	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	451/4	4574
			45½ 36%	451/4 367/8	451/4 367/8	451/4 367/8	45 ¹ / ₄ 36 ⁷ / ₈	45 ¹ / ₄ 36 ⁷ / ₈	45 1/4 36 7/8	36 ⁷ / ₈	451/4 367/8	45 ¹ / ₄ 36 ⁷ / ₈	45 ¹ / ₄ 36 ⁷ / ₈	451/4 367/8	45 ¹ / ₄ 36 ⁷ / ₈	367/8
Waist Height - Tall	451/4	451/4														
Waist Height - Tall High-Hip Height - Short	45½ 36%	451/4 367/8	367/8	367/8	361/8	367/8	367/8	367/8	367/8	367/8	367/8	367/8	367/8	367/8	367/8	367/8
Waist Height - Tall High-Hip Height - Short High-Hip Height - Regular	451/4 367/8 391/8	451/4 367/8 391/8	361/8 391/8	36 1/8 39 1/8	36 % 39 1/8	36 1/8 39 1/8	36 1/8 39 1/8	36 1/8 39 1/8	36 1/8 39 1/8	36% 39%	36 1/8 39 1/8	36 1/8 39 1/8	36 1/8 39 1/8	36 1/8 39 1/8	36 % 39 1/8	36 % 39 1/8
Waist Height - Tall High-Hip Height - Short High-Hip Height - Regular High-Hip Height - Tall	45½ 36½ 39½ 41½	45½ 36% 39⅓ 41½	36 % 39 1/8 41 1/2	36 1/8 39 1/8 41 1/2	367/8 391/8 411/2	36 % 39 1/8 41 1/2	36 % 39 1/8 41 1/2	36 % 39 1/8 41 1/2	36 % 39 1/8 41 1/2	36 1/8 39 1/8 41 1/2	36 % 39 1/8 41 1/2	36 % 39 1/8 41 1/2	36 % 39 1/8 41 1/2	36 1/8 39 1/8 41 1/2	367/8 391/8 411/2	367/8 391/8 411/2
Waist Height - Tall High-Hip Height - Short High-Hip Height - Regular High-Hip Height - Tall Hip/Seat Height - Short	451/4 367/8 391/8 411/2 331/2	451/4 367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	361/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2	367/8 391/8 411/2 331/2

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Sizes:	34	35	36	37	38	39	40	41	42	43	44	45	46	48	50	52
Crotch Height - Regular	32	32	32	32	32	32	32	32	311/8	311/8	313/4	315/8	31%	311/2	31%	311/4
Crotch Height - Tall	34	34	34	34	34	34	34	34	337/8	331/8	333/4	335/8	335/8	331/2	33%	331/4
Rise Height - Short	10	10	10	10	10	10	10	10	101/8	101/8	101/4	103/8	103/8	101/2	105/8	103/4
Rise Height - Regular	105/8	105/8	105/8	105/8	105/8	105/8	105/8	105/8	103/4	10¾	107/8	11	11	11½	111/4	113/8
Rise Height - Tall	111/8	11½	111/8	111/8	111/8	111/8	111/8	11½	111/4	111/4	113/8	111/2	111/2	115/8	113/4	117/8
Knee Height - Short	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4	173/4
Knee Height - Regular	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8	185/8
Knee Height - Tall	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8	197/8
Ankle Height - Short	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Ankle Height - Regular	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Ankle Height - Tall	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Width and Length Measurements, inches	34	35	36	37	38	39	40	41	42	43	44	45	46	48	50	52
Crotch Length (total) - Short	26%	265/8	26¾	27	271/4	273/8	275/8	28	28%	285/8	29	291/4	295/8	301/4	301/8	31½
Crotch Length (total) - Regular	273/8	275/8	273/4	28	281/4	283/8	285/8	29	293/8	295/8	30	301/4	305/8	311/4	311/8	321/2
Crotch Length (total) - Tall	281/2	28¾	287/8	291/8	293/8	291/2	293/4	301/8	301/2	30¾	311/8	313/8	31¾	323/8	33	335/8
Shoulder Length	53/4	53/4	53/4	53/4	53/4	53/4	57/8	57/8	6	6	61/8	61/8	61/4	63/8	61/2	65/8
Shoulder Slope	231/8°	231/8°	23°	227/8°	22¾°	225/8°	22½°	221/4°	22°	21¾°	21½°	211/4°	21°	20½°	20°	19½°
Shoulder Drop	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4	21/4
Across Back Shoulder Width	163/4	17	171/8	171/4	173/8	17 ⁵ /8	173/4	18	181/4	181/2	18¾	19	191/4	19¾	201/4	203/4
Across Front Shoulder Width	131/2	13¾	14	141/4	141/2	143/4	15	153/8	15¾	161/8	161/2	167/8	171/4	18	18¾	195/8
Upper Back Width	151/4	15½	15¾	16	161/8	163/8	165/8	167/ ₈	171/8	173/8	17 5/8	17 7/8	181/8	185/8	191/8	195/8
Upper Front Chest Width	135/8	131/8	14	141/4	143/8	145/8	143/4	15	151/4	15½	15¾	16	163/8	161/8	173/8	177/8
Back Width	151/8	15%	155/8	157/8	161/8	163/8	165/8	167/ ₈	171/8	173/8	17 5⁄8	18	183/8	19	195/8	201/4
Front Chest Width	163/8	161/2	165/8	16¾	167/ ₈	17	171/8	173/8	175/8	17 7/8	181/8	183/8	185/8	191/8	195/8	201/4
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	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	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	N/A	N/A	N/A
Cervicale to Wrist Length - Short	31%	311/8	311/8	321/4	321/4	321/2	321/2	323/4	327/8	331/8	331/4	331/2	335/8	34	343/8	343/4
Cervicale to Wrist Length - Regular	321/8	323/8	323/8	323/4	323/4	33	33	331/4	33%	335/8	333/4	34	341/8	341/2	347/8	351/4
Cervicale to Wrist Length - Tall	333/4	34	34	343/8	343/8	345/8	345/8	347/8	35	351/4	35%	355/8	353/4	361/8	361/2	367/8
Shoulder and Arm Length - Short	291/8	291/4	291/4	293/8	293/8	291/2	295/8	293/4	297/8	30	301/8	301/4	301/2	303/4	31	311/4
Shoulder and Arm Length - Regular	295/8	293/4	293/4	297/8	297/8	30	301/8	301/4	303/8	301/2	305/8	303/4	31	311/4	311/2	313/4
Shoulder and Arm Length - Tall	311/4	313/8	313/8	311/2	311/2	315/8	313/4	311/8	32	321/8	321/4	323/8	325/8	321/8	331/8	33%
Arm Length - Short	233/8	231/2	231/2	235/8	235/8	233/4	233/4	237/8	237/8	24	24	241/8	241/4	24%	241/2	245/8
Arm Length - Regular	237/8	24	24	241/8	241/8	241/4	241/4	243/8	243/8	241/2	241/2	245/8	243/4	247/8	25	251/8
Arm Length - Tall	251/2	25%	255/8	253/4	253/4	257/8	257/8	26	26	261/8	261/8	261/4	263/8	261/2	265/8	263/4
Hand Length	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	N/A	N/A	N/A
Hand 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	N/A	N/A	N/A
Foot Length	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	N/A	N/A	N/A
Foot 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	N/A	N/A	N/A

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- 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 Knee*—Measure the vertical distance from the cervicale to a point level with the mid-point of the back of the knee (or crease).
- 6.2.27 *Center Back Waist Length*—Measure from the cervicale to the center back waist level, taken along the spine (contour).
- 6.2.28 *Center Front Waist Length*—Measure from the center front neck base line to the center front waist level (contour).
- 6.2.29 *Scye Depth*—Measure the vertical distance from the cervicale to the back break-point level, taken with the arms down.
- 6.2.30 *Side Waist Length*—Measure the distance from the mid-underarm point of the armscye to the waist level, taken along the side of the body (contour).
- 6.2.31 Waist to Hip/Seat Height—Measure the distance from the waist level to the hip girth level, taken along the side of the body (contour).
- 6.2.32 Waist to Knee Height—Measure the vertical distance from the waist level to a point level with the midpoint of the back of the knee (or crease), taken along the side of the body.

- 6.2.33 Waist Height—Measure the distance from the waist level to the hip girth level along the side of the body (contour) then vertically to the floor, taken with subject standing and without shoes.
- 6.2.34 *High-Hip Height*—Measure the distance from the high-hip girth level to the hip girth level along the side of the body (contour) then vertically to the floor, taken with the subject standing and without shoes.
- 6.2.35 *Hip/Seat Height*—Measure the vertical distance from the hip girth level to the floor along the side of the body, taken with subject standing and without shoes.
- 6.2.36 *Crotch Height*—Measure the vertical distance from the midpoint of the crotch to the floor, taken with the subject standing and without shoes.
- 6.2.37 *Rise Height*—Measure the vertical distance from the waist level at the side of the torso to the flat surface, taken with subject sitting on hard, flat surface.
- 6.2.38 *Knee Height*—Measure the vertical distance from the midpoint of the back of the knee (or crease) to the floor, taken with subject standing and without shoes.
- 6.2.39 *Ankle Height*—Measure the vertical distance from the prominence of the outer ankle bone to the floor, taken with subject standing and without shoes.