



## Standard Table of Body Measurements for Misses Maternity Sizes Two to Twenty-Two (2-22)<sup>1</sup>

This standard is issued under the fixed designation D7197; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This standard table lists the body measurements of pregnant women from misses size two to twenty-two. Although these are body measurements, they can be used in designing apparel for women in this size range when such factors as fabric type, ease of body movement, styling, and fit are taken into account.

1.2 The values stated in either SI units or in 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.

### 2. Referenced Documents

2.1 *ASTM Standards*:<sup>2</sup>

**D123 Terminology Relating to Textiles**

**D5219 Terminology Relating to Body Dimensions for Apparel Sizing**

2.2 *ISO Standard*:

**Size Designation of Clothes, Definitions and Body Measurements Procedures for Apparel Sizes**<sup>3</sup>

### 3. Terminology

3.1 *Definitions*:

3.1.1 Refer to Terminologies **D123** and **D5219**.

### 4. Significance and Use

4.1 The use of the body measurement information in **Table 1** will assist manufacturers in the development of patterns and garments that are consistent with the current anthropometric characteristics of the population of interest. This practice in

turn should reduce or minimize consumer confusion and dissatisfaction related to apparel sizing. (Also refer to ISO Size Designation standards.)

### 5. Apparatus

5.1 All apparatus are calibrated for accuracy.

5.2 *Tape Measure*, dimensionally stable and approximately 1.5 cm ( $\frac{1}{2}$  in.) wide and graduated accurately in centimetres ( $\frac{1}{16}$  in.).

5.3 *Scale (Calibrated for Standard Body Weight)*.

### 6. Procedures Used for Taking Measurements

6.1 *General Procedure*:

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 basic undergarments normally worn.

6.1.3 For consistency, take all measurements except torso circumferences, height, and weight on the same side of the body.

6.1.4 Refer to Terminology **D5219** for the location of all points to be measured (see Section 2).

6.2 *Body Measurements*:

6.2.1 *Across Back Shoulder Width*—Measure the horizontal distance across the back from the top of one shoulder joint to the top of the other shoulder joint taken with the arms hanging down.

6.2.2 *Ankle Girth*—Measure the maximum horizontal circumference of the ankle taken over the greatest prominence of the ankle bones.

6.2.3 *Ankle Height*—Measure the vertical distance from the prominence of the outer ankle bone to the floor taken with the subject standing and without shoes.

6.2.4 *Arm Length (Cervicale to Wrist)*—Measure from the distance from the cervicale over the top of the shoulder joint, along the outside of the arm over the elbow to the prominent wrist bone taken with the arm bent 1.57 radius (at 90°) and the hand placed on the hip.

6.2.5 *Arm Length (Shoulder to Elbow)*—Measure from the top of the shoulder to the elbow.

<sup>1</sup> This table is under the jurisdiction of ASTM Committee **D13** on Textiles and is the direct responsibility of Subcommittee **D13.55** on Body Measurement for Apparel Sizing.

Current edition approved Jan. 1, 2013. Published February 2013. Originally approved in 2006. Last previous edition approved in 2006 as D7197-06. DOI: 10.1520/D7197-13.

<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036.

TABLE 1 New ASTM Maternity Measurement Table

| MISSES MATERNITY<br>(SIZES 2–22)          |                |                                  |         |        |        |        |        |        |        |         |         |          |
|-------------------------------------------|----------------|----------------------------------|---------|--------|--------|--------|--------|--------|--------|---------|---------|----------|
|                                           |                | GIRTH MEASUREMENTS (CENTIMETERS) |         |        |        |        |        |        |        |         |         |          |
|                                           | VARIATION FROM |                                  |         |        |        |        |        |        |        |         |         |          |
| SIZES                                     | MISSES REG     | 2                                | 4       | 6      | 8      | 10     | 12     | 14     | 16     | 18      | 20      | 22       |
| CHEST/BUST                                | 7.62           | 86.90                            | 91.44   | 93.98  | 96.52  | 98.06  | 102.87 | 106.68 | 110.48 | 115.57  | 120.65  | 125.23   |
| WAIST                                     | 22.86          | 83.82                            | 88.36   | 89.90  | 91.44  | 93.98  | 97.79  | 101.60 | 105.41 | 110.49  | 115.57  | 120.85   |
| HIGH HIP (APPROX 4 IN. BELOW WAIST)       | 21.59          | 101.60                           | 104.14  | 106.65 | 109.22 | 111.78 | 116.57 | 119.36 | 125.19 | 128.27  | 133.35  | 138.43   |
| SEAT (HIP)                                | 10.16          | 97.79                            | 100.33  | 102.87 | 105.41 | 107.95 | 111.78 | 115.57 | 119.38 | 124.48  | 129.54  | 134.62   |
| MID-NECK                                  | 0.00           | 30.62                            | 33.68   | 34.29  | 34.68  | 35.58  | 36.51  | 37.47  | 38.42  | 39.69   | 40.98   | 42.29    |
| NECK BASE                                 | 0.00           | 34.29                            | 34.93   | 35.58  | 36.20  | 36.83  | 37.78  | 38.74  | 39.69  | 40.96   | 42.23   | 48.50    |
| ARMSCYE                                   | 1.91           | 38.10                            | 39.85   | 40.01  | 40.96  | 41.91  | 43.80  | 45.09  | 46.87  | 48.56   | 50.48   | 51.12    |
| UPPER ARM                                 | 4.13           | 29.53                            | 30.16   | 30.39  | 31.43  | 32.07  | 33.62  | 33.97  | 34.98  | 36.51   | 38.10   | 39.05    |
| ELBOW                                     | 1.91           | 25.72                            | 28.04   | 26.36  | 26.67  | 26.99  | 27.52  | 28.28  | 29.09  | 29.85   | 30.80   | 31.12    |
| WRIST                                     | 0.00           | 14.61                            | 14.92   | 15.24  | 15.56  | 15.98  | 16.19  | 16.51  | 16.83  | 17.15   | 17.48   | 17.76    |
| THIGH-MAX                                 | 4.45           | 53.98                            | 56.52   | 59.05  | 61.60  | 64.14  | 68.68  | 69.22  | 72.89  | 75.25   | 78.11   | 81.26    |
| THIGH-MIN                                 | 3.18           | 46.26                            | 50.89   | 53.34  | 55.88  | 56.42  | 59.05  | 63.50  | 66.68  | 69.22   | 72.30   | 75.57    |
| KNEE                                      | 0.00           | 33.02                            | 34.29   | 35.86  | 36.53  | 38.10  | 39.37  | 40.84  | 41.91  | 43.13   | 44.45   | 45.72    |
| CALF                                      | 0.95           | 31.75                            | 33.02   | 34.29  | 35.58  | 36.83  | 38.10  | 39.37  | 40.84  | 41.91   | 43.16   | 44.45    |
| ANKLE                                     | 0.64           | 21.91                            | 22.54   | 23.59  | 23.81  | 24.45  | 25.08  | 25.72  | 26.35  | 26.99   | 27.62   | 28.26    |
| TRUNK (TOTAL TRUNK, TORSO)                | 12.70          | 157.48                           | 161.29  | 165.10 | 168.91 | 170.13 | 176.53 | 180.34 | 184.15 | 187.09  | 191.77  | 195.58   |
| TOTAL CROTCH                              | 11.43          | 78.11                            | 80.01   | 81.92  | 83.52  | 85.73  | 87.88  | 89.54  | 91.44  | 93.35   | 95.25   | 97.16    |
| VERTICAL MEASUREMENTS (CENTIMETERS)       |                |                                  |         |        |        |        |        |        |        |         |         |          |
|                                           | VARIATION FROM |                                  |         |        |        |        |        |        |        |         |         |          |
| SIZES                                     | MISSES REG     | 2                                | 4       | 6      | 8      | 10     | 12     | 14     | 16     | 18      | 20      | 22       |
| CERVICAL HEIGHT                           | 0.00           | 136.43                           | 138.70  | 140.97 | 142.24 | 143.51 | 144.78 | 146.06 | 147.32 | 148.59  | 149.80  | 151.13   |
| WAIST HEIGHT                              | 2.54           | 102.24                           | 102.87  | 103.51 | 104.14 | 104.78 | 105.41 | 106.05 | 106.88 | 107.22  | 107.95  | 108.59   |
| HIP HEIGHT                                | 0.00           | 79.38                            | 80.01   | 80.65  | 81.28  | 81.92  | 82.55  | 83.19  | 83.62  | 84.46   | 85.09   | 86.73    |
| CROTCH HEIGHT (INSEAM)                    | 0.00           | 74.93                            | 74.93   | 74.93  | 74.93  | 74.93  | 74.93  | 74.93  | 74.93  | 74.93   | 74.93   | 74.93    |
| KNEE HEIGHT                               | 0.00           | 44.77                            | 45.09   | 45.40  | 45.72  | 46.04  | 46.36  | 46.67  | 46.99  | 47.31   | 47.83   | 47.94    |
| ANKLE HEIGHT                              | 0.00           | 6.99                             | 6.99    | 6.99   | 6.99   | 6.99   | 6.99   | 6.99   | 6.99   | 6.99    | 6.99    | 6.99     |
| CENTER FRONT WAIST LENGTH                 | 0.64           | 34.59                            | 35.56   | 38.20  | 38.63  | 37.47  | 38.10  | 38.74  | 39.37  | 40.01   | 40.64   | 41.38    |
| CENTER BACK WAIST LENGTH                  | 0.64           | 40.01                            | 40.64   | 41.25  | 41.91  | 42.65  | 43.18  | 43.82  | 44.48  | 46.09   | 46.72   | 46.95    |
| TRUE RISE                                 | 0.00           | 24.77                            | 25.40   | 26.04  | 26.87  | 27.31  | 27.94  | 28.56  | 29.21  | 29.55   | 30.48   | 31.12    |
| WIDTH & LENGTH MEASUREMENTS (CENTIMETERS) |                |                                  |         |        |        |        |        |        |        |         |         |          |
|                                           | VARIATION FROM |                                  |         |        |        |        |        |        |        |         |         |          |
| SIZES                                     | MISSES REG     | 2                                | 4       | 6      | 8      | 10     | 12     | 14     | 16     | 18      | 20      | 22       |
| ACROSS SHOULDER (POINT TO POINT)          | 1.27           | 37.76                            | 38.42   | 39.05  | 39.69  | 40.32  | 40.96  | 41.59  | 42.23  | 42.88   | 43.50   | 44.13    |
| ACROSS BACK 5" DOWN                       | 1.27           | 36.81                            | 37.16   | 37.78  | 38.42  | 39.05  | 39.89  | 40.32  | 40.85  | 41.91   | 43.18   | 44.46    |
| ACROSS CHEST 4" DOWN                      | 2.64           | 35.24                            | 35.88   | 36.61  | 37.15  | 37.78  | 38.74  | 39.09  | 40.64  | 41.91   | 43.19   | 44.46    |
| SHOULDER LENGTH                           | 0.00           | 12.04                            | 12.70   | 13.02  | 13.34  | 13.65  | 13.97  | 14.29  | 14.61  | 14.92   | 15.34   | 15.55    |
| ARM LENGTH-SHOULDER TO WRIST              | 0.00           | 59.21                            | 59.53   | 59.85  | 60.17  | 60.80  | 61.12  | 61.80  | 62.07  | 62.55   | 63.02   | 63.50    |
| ARM LENGTH-SHOULDER TO ELBOW              | 0.00           | 33.97                            | 34.29   | 34.01  | 34.93  | 35.24  | 35.58  | 35.88  | 36.20  | 36.51   | 36.63   | 37.15    |
| ARM LENGTH-CERVICAL TO WRIST              | 0.95           | 77.47                            | 77.79   | 78.42  | 79.69  | 80.38  | 81.50  | 82.39  | 83.60  | 84.77   | 85.73   | 86.68    |
| BUST POINT TO HIPS                        | 0.00           | 24.45                            | 25.40   | 26.35  | 27.31  | 28.26  | 29.21  | 30.46  | 31.43  | 33.02   | 34.93   | 35.83    |
| FOOTNOTE: Approx. 7 Months                |                |                                  |         |        |        |        |        |        |        |         |         |          |
| XX SMALL TO XX LARGE                      | MISSES REG     | XX-SMALL                         | X-SMALL | SMALL  | SMALL  | MEDIUM | MEDIUM | LARGE  | LARGE  | X-LARGE | X-LARGE | XX-LARGE |
| STATURE (HEIGHT)                          | 0              | 160.66                           | 162.56  | 163.83 | 165.10 | 166.37 | 167.64 | 168.91 | 170.16 | 171.45  | 172.72  | 173.99   |
| MISSES MATERNITY<br>(SIZES 2–22)          |                |                                  |         |        |        |        |        |        |        |         |         |          |

TABLE 1 Continued

MISSES MATERNITY  
 (SIZES 2–22)

| SIZES                               | VARIATION<br>FROM<br>MISSES REG | GIRTH MEASUREMENTS (CENTIMETERS) |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---------------------------------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     |                                 | GIRTH MEASUREMENTS (INCHES)      |     |     |     |     |     |     |     |     |     |     |
|                                     |                                 | 2                                | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 22  |
| CHEST/BUST                          | 3                               | 35                               | 36  | 37  | 38  | 39  | 40½ | 42  | 43½ | 45½ | 47½ | 49½ |
| WAIST                               | 9                               | 33                               | 34  | 35  | 36  | 37  | 38½ | 40  | 41½ | 43½ | 45½ | 47½ |
| HIGH HIP (APPROX 4 IN. BELOW WAIST) | 8½                              | 40                               | 41  | 42  | 43  | 44  | 45½ | 47  | 48½ | 50½ | 52½ | 54½ |
| SEAT (HIP)                          | 4                               | 38½                              | 39½ | 40½ | 41½ | 42½ | 44  | 45½ | 47  | 49  | 51  | 53  |
| MID-NECK                            | 0                               | 13                               | 13¼ | 13½ | 13¾ | 14  | 14¾ | 14¾ | 15½ | 15¾ | 16½ | 16¾ |
| NECK BASE                           | 0                               | 13½                              | 13¾ | 14  | 14¼ | 14½ | 14¾ | 15¼ | 15½ | 16½ | 16¾ | 17½ |
| ARMSCYE                             | ¾                               | 15                               | 15¾ | 15¾ | 16½ | 16½ | 17½ | 17¾ | 18¾ | 19½ | 19¾ | 20½ |
| UPPER ARM                           | 1½                              | 11½                              | 11¾ | 12½ | 12¾ | 12¾ | 13  | 13¾ | 13¾ | 14¾ | 15  | 15¾ |
| ELBOW                               | ¾                               | 10½                              | 10¾ | 10¾ | 10½ | 10½ | 10¾ | 11½ | 11½ | 11¾ | 12½ | 12¼ |
| WRIST                               | 0                               | 5¾                               | 5¾  | 6   | 6½  | 6¼  | 6¾  | 6½  | 6¾  | 6¾  | 6¾  | 7   |
| THIGH-MAX                           | 1¾                              | 21¼                              | 22¼ | 23¼ | 24¼ | 25¼ | 26¼ | 27¼ | 28½ | 29½ | 30¾ | 32  |
| THIGH-MIN                           | 1¼                              | 19                               | 20  | 21  | 22  | 23  | 24  | 25  | 26¼ | 27¼ | 28½ | 29¾ |
| KNEE                                | ¾                               | 13                               | 13½ | 14  | 14½ | 15  | 15½ | 16  | 16½ | 17  | 17½ | 18  |
| CALF                                | ¾                               | 12½                              | 13  | 13½ | 14  | 14½ | 15  | 15½ | 16  | 16½ | 17  | 17½ |
| ANKLE                               | ¼                               | 8½                               | 8¾  | 9¼  | 9¾  | 9¾  | 9¾  | 10½ | 10¾ | 10¾ | 10¾ | 11½ |
| TRUNK (TOTAL TRUNK, TORSO)          | 5                               | 62                               | 63½ | 65  | 66½ | 67  | 69½ | 71  | 72½ | 74  | 75½ | 77  |
| TOTAL CROTCH                        | 4½                              | 30¾                              | 31½ | 32¼ | 33  | 33¾ | 34½ | 35¼ | 36  | 36¾ | 37½ | 38¼ |

| SIZES                     | VARIATION<br>FROM<br>MISSES REG | VERTICAL MEASUREMENTS (INCHES) |     |     |     |     |     |     |     |     |     |     |
|---------------------------|---------------------------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                           |                                 | 2                              | 4   | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 22  |
| CERVICALE HEIGHT          | 0                               | 54½                            | 55  | 55½ | 56  | 56½ | 57  | 57½ | 58  | 58½ | 59  | 59½ |
| WAIST HEIGHT              | 1                               | 40¼                            | 40½ | 40¾ | 41  | 41¼ | 41½ | 41¾ | 42  | 42¼ | 42½ | 42¾ |
| HIP HEIGHT                | 0                               | 31¼                            | 31½ | 31¾ | 32  | 32¼ | 32½ | 32¾ | 33  | 33¼ | 33½ | 33¾ |
| CROTCH HEIGHT (INSEAM)    | 0                               | 29½                            | 29½ | 29½ | 29½ | 29½ | 29½ | 29½ | 29½ | 29½ | 29½ | 29½ |
| KNEE HEIGHT               | 0                               | 17¾                            | 17¾ | 17¾ | 18  | 18½ | 18¼ | 18¾ | 18½ | 18¾ | 18¾ | 18¾ |
| ANKLE HEIGHT              | 0                               | 2¾                             | 2¾  | 2¾  | 2¾  | 2¾  | 2¾  | 2¾  | 2¾  | 2¾  | 2¾  | 2¾  |
| CENTER FRONT WAIST LENGTH | ¼                               | 13¾                            | 14  | 14¼ | 14½ | 14¾ | 15  | 15¼ | 15½ | 15¾ | 16  | 16¼ |
| CENTER BACK WAIST LENGTH  | ¼                               | 15¾                            | 16  | 16¼ | 16½ | 16¾ | 17  | 17¼ | 17½ | 17¾ | 18  | 18¼ |
| TRUE RISE                 | 0                               | 9¾                             | 10  | 10¼ | 10½ | 10¾ | 11  | 11¼ | 11½ | 11¾ | 12  | 12¼ |

| SIZES                            | VARIATION<br>FROM<br>MISSES REG | WIDTH & LENGTH MEASUREMENTS (INCHES) |      |      |      |      |      |     |      |     |      |     |
|----------------------------------|---------------------------------|--------------------------------------|------|------|------|------|------|-----|------|-----|------|-----|
|                                  |                                 | 2                                    | 4    | 6    | 8    | 10   | 12   | 14  | 16   | 18  | 20   | 22  |
| ACROSS SHOULDER (POINT TO POINT) | ½                               | 14¾                                  | 15½  | 15¾  | 15¾  | 15¾  | 16½  | 16¾ | 16¾  | 16¾ | 17½  | 17¾ |
| ACROSS BACK 5" DOWN              | ½                               | 14¾                                  | 14¾  | 14¾  | 15½  | 15¾  | 15¾  | 15¾ | 16½  | 16½ | 17   | 17½ |
| ACROSS CHEST 4" DOWN             | 1                               | 13¾                                  | 14½  | 14¾  | 14¾  | 14¾  | 15¼  | 15¾ | 16   | 16½ | 17   | 17½ |
| SHOULDER LENGTH                  | 0                               | 4½½                                  | 5    | 5½   | 5¼   | 5¾   | 5½   | 5¾  | 5¾   | 5¾  | 6    | 6½  |
| ARM LENGTH-SHOULDER TO WRIST     | 0                               | 23¾½                                 | 23¾½ | 23¾½ | 23¾½ | 23¾½ | 24¼½ | 24¼ | 24¼½ | 24¾ | 24¾½ | 25  |
| ARM LENGTH-SHOULDER TO ELBOW     | 0                               | 13¾                                  | 13½  | 13¾  | 13¾  | 13¾  | 14   | 14½ | 14¼  | 14¾ | 14½  | 14¾ |
| ARM LENGTH-CERVICALE TO WRIST    | ¾                               | 30½                                  | 30¾  | 30¾  | 31¾  | 31¾  | 32½  | 32¾ | 32¾½ | 33¾ | 33¾  | 34½ |
| BUST POINT TO HIPS               | 0                               | 9¾                                   | 10   | 10¾  | 10¾  | 11½  | 11½  | 12  | 12¾  | 13  | 13¾  | 14½ |

| FOOTNOTE:<br>XX SMALL TO XX LARGE<br>STATURE (HEIGHT) | VARIATION<br>FROM<br>MISSES REG |          |         |       |       |        |        |       |       |         |         |          |
|-------------------------------------------------------|---------------------------------|----------|---------|-------|-------|--------|--------|-------|-------|---------|---------|----------|
|                                                       |                                 | XX-SMALL | X-SMALL | SMALL | SMALL | MEDIUM | MEDIUM | LARGE | LARGE | X-LARGE | X-LARGE | XX-LARGE |
|                                                       | 0                               | 63¼      | 64      | 64½   | 65    | 65½    | 66     | 66½   | 67    | 67½     | 68      | 68½      |

**6.2.6 Arm Length (Shoulder to Wrist)**—Measure the distance from the top of the shoulder joint along the outside of the arm over the elbow to the prominent wrist bone taken with the arm bent (1.57 radius or 90°) and the hand placed on the hip.

**6.2.7 Armscye Girth**—Measure the circumference taken from the shoulder joint through the front break point, the arm pit, the back break point, and to the starting point with the arms hanging down.

**6.2.8 Back Width**—Measure the horizontal distance across the back from the back breakpoint to the back break point over the shoulder blades taken with the arms down.

**6.2.9 Body Weight**—The weight of the subject on the calibrated body weight scale.

**6.2.10 Bust Point to Hips**—Measure the vertical distance from bust apex to the hip height.

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

**6.2.12 Cervicale Height**—Measure the vertical distance from the cervicale to a point to the floor taken with subject standing and without shoes.

**6.2.13 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.

**6.2.14 Crotch Height (Inseam)**—Measure the vertical distance from the midpoint of the crotch to the floor taken with the subject standing and without shoes.

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

**6.2.16 Front Chest Width**—Measure the horizontal distance across the chest from front breakpoint to front break point taken with the arms hanging down.

**6.2.17 Hip/Seat Girth**—Measure the maximum horizontal circumference around the torso taken at the greatest protrusion of the buttocks as seen from the side.

**6.2.18 Hip/Seat Height**—Measure the vertical distance from the hip girth level to the floor along the side of the body taken with the subject standing and without shoes.

**6.2.19 Knee Girth**—Measure the maximum horizontal circumference of the knee taken over the knee cap when the leg is straight.

**6.2.20 Knee Height**—Measure the vertical distance from the midpoint of the back of the knee (or crease) to the floor taken with the subject standing and without shoes.

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

**6.2.22 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.

**6.2.23 Shoulder Length**—Measure the distance from the side of the neck base to the top of the shoulder joint taken with the arm hanging down.

**6.2.24 Stature**—Measure the vertical distance from the crown of the head to the floor with subject standing without shoes.

**6.2.25 Thigh Girth (Maximum)**—Measure the maximum horizontal circumference of the upper leg taken close to the crotch.

**6.2.26 Thigh Girth (Minimum)**—Measure the circumference of the upper leg midway between the hip and knee.

**6.2.27 Total Crotch Length**—Measure the distance from waist level at the center front through the crotch and to the waist level center back avoiding constriction at the crotch.

**6.2.28 Trunk Length (total vertical girth)**—Measure the circumference taken from a point on the right shoulder midway between the neck base and 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.

**6.2.29 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 radius (90°).

**6.2.30 Waist Girth**—Measure the minimum horizontal circumference around the body taken at waist.

**6.2.31 Waist Length (Back)**—Measure from the cervicale following the contour of the spinal column to the center back waist level.

**6.2.32 Waist Length (Front)**—Measure the distance from the center front neck base line to the center front waist level.

**6.2.33 Waist Height**—Measure the distance from the waist level to the hip level girth level along the side of the body (contour) then vertically to the floor taken with subject standing and without shoes.

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

## 7. Keywords

7.1 body measurements; garment sizes; maternity apparel

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