



Designation: D7197/D7197M – 21

Standard Table of Body Measurements for Misses Maternity Sizes Two to Twenty-Two (2-22)¹

This standard is issued under the fixed designation D7197/D7197M; 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.

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 inch-pound units are to be regarded separately as standard. The values stated in each system are not necessarily exact equivalents; therefore, to ensure conformance with the standard, each system shall be used independently of the other, and values from the two systems shall not be combined.

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization 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

¹ 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, 2021. Published January 2021. Originally approved in 2006. Last previous edition approved in 2013 as D7197-13. DOI: 10.1520/D7197_D7197M-21.

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.

2.2 *ISO Standard:*

ISO 3635 Size Designation of Clothes, Definitions and Body Measurements Procedures for Apparel Sizes³

3. Terminology

3.1 *Definitions:*

3.1.1 For body dimensions, refer to Terminology **D5219**.

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

4. Significance and Use

4.1 The use of the body measurement information in **Table 1** and **Table 2** 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 Procedures.)

5. Apparatus

5.1 *Tape Measure*, dimensionally stable, double coated, and approximately 1.5 cm [$\frac{1}{2}$ in.] wide and graduated accurately in centimeters or inches.

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. Keywords

6.1 body measurements; garment sizes; maternity apparel

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

TABLE 1 New ASTM Maternity Measurement Table, Centimeters

Misses Maternity (Sizes 2–22)												
Variation from Misses Reg		Girth Measurements, cm										
Sizes	2	4	6	8	10	12	14	16	18	20	22	
Chest/Bust	86.90	91.44	93.98	96.52	98.06	102.87	106.68	110.48	115.57	120.65	125.23	
Waist	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	104.14	106.65	109.22	111.78	116.57	119.36	125.19	128.27	133.35	138.43	
Seat (Hip)	97.79	100.33	102.87	105.41	107.95	111.78	115.57	119.38	124.48	129.54	134.62	
Mid-neck	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	34.93	35.58	36.20	36.83	37.78	38.74	39.69	40.96	42.23	43.50	
Armscye	1.91	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	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	26.99	27.52	28.28	29.09	29.85	30.80	31.12	
Wrist	0.00	14.61	14.92	15.24	15.56	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	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	72.30	75.57	
Knee	0.00	33.02	34.29	35.86	36.53	38.10	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	
Ankle	0.64	21.91	22.54	23.59	23.81	24.45	25.08	26.35	26.99	27.62	28.26	
Trunk (total trunk, torso)	12.70	157.48	161.29	165.10	168.91	170.13	175.53	184.15	187.09	191.77	195.58	
Total Crotch	11.43	78.11	80.01	81.92	83.52	85.73	87.88	91.44	93.35	95.25	97.16	
Vertical Measurements, cm												
Sizes	2	4	6	8	10	12	14	16	18	20	22	
Cervicale height	136.43	138.70	140.97	142.24	143.51	144.78	146.06	147.32	148.59	149.80	151.13	
Waist Height	102.24	102.87	103.51	104.14	104.78	105.41	106.05	106.88	107.22	107.95	108.59	
Hip Height	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)	74.93	74.93	74.93	74.93	74.93	74.93	74.93	74.93	74.93	74.93	74.93	
Knee Height	44.77	45.09	45.40	45.72	46.04	46.36	46.67	46.99	47.31	47.83	47.94	
Ankle Height	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	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	40.01	40.64	41.25	41.91	42.65	43.18	43.82	44.48	46.09	46.72	46.95	
True Rise	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, cm												
Sizes	2	4	6	8	10	12	14	16	18	20	22	
Across shoulder (point to point)	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 in. down	36.81	37.16	37.78	38.42	39.05	39.69	40.32	40.85	41.91	43.18	44.46	
Across Chest 4 in. down	35.24	35.88	36.61	37.15	37.78	38.74	39.09	40.64	41.91	43.19	44.46	
Shoulder Length	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	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	33.97	34.29	34.01	34.93	35.24	35.58	35.88	36.20	36.51	36.63	37.15	
Arm Length-Cervicale to Wrist	77.47	77.79	78.42	79.69	80.38	81.50	82.39	83.60	84.77	85.73	86.68	
Inst Point to Hips	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												
Bust Measure (height)												
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