TABLE 46-Q

ADDITIONAL DIMENSIONS THAT CLOTHING ADDS TO NUDE BODY MEASUREMENTS

Measurement	*Civilian clothing Underwear, shirt, trousers, and tie (or dress) Jacket and shoes* [1]	*Army uniform Underwear, khakis or fatigues, combat suit, overcoat, socks, shoes, gloves, wool cap, helmet and liner* [2]	*Air Force WW-II heavy winter flying clothes jacket, trousers, helmet, boots, and gloves* [3]
Weight (lb)	4–6[a]	22 9	20 0
Stature (in)	1 0[b c]	2 75	1 9
Abdomen depth (in)	1 2	2 54	1 4
Arm reach, anterior (in)		37	0 4
Buttock-knee length (in)	0 3	70	0 5
Chest breadth (in)			0 6
Chest depth (in)		1 54	1 4
Elbow breadth (in)	1 0	2 12	4 4
Eye height sitting (in)	0 1		0 4
Foot breadth (in)	0 2–0 3	22	1 2
Foot length (in)	1 2–1 6	20	2 7
Hand breadth (in)		1 60	0 4
Hand length (in)		30	0 4
Head breadth (in)		2 8	0 4
Head length (in)		3 5	0 4
Head height (in)		1 45	0 2
Hip breadth (in)		1 40	1 3
Hip breadth sitting (in)	0 8	1 40	1 7
Knee breadth (both) (in)		1 68	2 5
Knee height, sitting (in)	1 0[b]	1 44	1 8
Shoulder breadth (in)		1 16	0 7
Shoulder-elbow length (in)		62	0 3
Shoulder height sitting (in)		80	0 6
Sitting height (in)	0 1[c]	1 67	0 6

[a] for women 3 to 4 [b] for women, 0 5 to 3 0 [c] add another 1 0 ± for headgear

Data reported in The Human Body in Equipment Design, *by A Damon, H W Stoudt, and R A McFarland Cambridge, Mass , Harvard University Press 1966*