

GarmentCode Body Measurements

Field	Explanation
Circumferences	
waist	Circumference, ~middle between ribs and hip bones
bust	Circumference, measured parallel to the floor passing though bust_points
underbust	Circumference, measured parallel to the floor passing right below the bust
hips	Circumference, measured parallel to the floor passing passes though bum_points
leg_circ	Circumference of the thickest part of a thigh, on one leg
wrist	Circumference, thinnest part of the arm at the root of the hand
Sections	
waist_back_width	Length of the "back" part of the waist. From the balance line on one side to the balance line on the other <i>Balance line</i> - vertical line passing through the side of the body along the coronal plane
back_width	Same as waist_back_width , but for bust circumferences. From one balance line to the other, measured from the back
hip_back_width	Same as waist_back_width but for hips. From one balance line to the other, measured from the back
Distances	
neck_w	Approximate width of the neck base -- measured from the back from one balance line to the other
waist_line	Nape of the neck to waist (on the back), preferrably measures as geodesic distance on the body surface
waist_over_bust_line	The vertical line passing through a bust point, measured from the neck base (on the balance line) to the waistline from the front over the bust. Follows the convex hull of the geodesic measurement, similar to the tailor's tape measure
bust_line	Geodesic distance from the shoulder level to the bust points (along waist_over_bust_line)
arm_length	Distance from shoulder to wrist, geodesic or Euclidean (those are close for this measurement)
height	Height of a person (from the feet to the top of the head)
head_l	Nape of the neck to the top of the head, Euclidean distance
shoulder_w	Distance from the furthest left end of the left collarbone to the furthest right end of the right collarbone
armscye_depth	Distance from the shoulder to the bottom of the underarm pit, measured on the back
bust_points	Distance between the two peak points of the breasts
hips_line	Vertical distance from the waistline level to hip circumference line level (<i>hipline</i>)
bum_points	Distance between the two peak points of the bottom cheeks
crotch_hip_diff	Vertical distance from hipline to the deepest part of the crotch
vert_bust_line	Vertical distance from the nape of the neck to bustline that marks bust circumference
Angles (in degrees)	
hip_inclination	Waist-to-hip angle measured on the body side. 0 hip inlincation corresponds to completely vertical body side.
shoulder_incl	Inclination of the shoulder line (angle between the line from the neck base to the end of a collarbone along coronal plane and a horizontal plane)
arm_pose_angle	Specification of the used arm pose (shoulder joint), used for component alignment (e.g. sleeves). Assumes both arms have the same pose