



SITMATIC®

Full Name:

Email Address:

Organization:

Shipping Address:

CustomFit™ Measuring Form

	1. GENDER Male Female
	3. LOWER LEG LENGTH in. <small>*Measure from the back of the knee to bottom of heel (in a typically worn work shoe).</small>
	5. EDGE-TO-EDGE WIDTH in. <small>*Use two binders as "armrests" and measure between the binders for edge-to-edge seat width.</small>
	7. ELBOW HEIGHT in. <small>*Relax your shoulders, bend elbow at 90°, measure from seated surface to elbow.</small>
	8. EYE HEIGHT in. <small>*While seated, measure from the seated surface to the corner of the person's eye.</small>
	4. UPPER LEG LENGTH in. <small>*Place a binder at the end of the person's buttocks. Measure from the back of their knee to the binder of upper leg length.</small>
	6. LUMBAR HEIGHT in. <small>*Have person place both of their thumbs on the small of their back. Measure from seated surface to thumbs.</small>
	10. WORKSURFACE HEIGHT Fixed Adjustable IF FIXED, WHAT HEIGHT? in.
	9. FLOOR Carpet Hard Floor

Comments / Special Needs:

Attach Photos (Optional):

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Little Person's Chair

Careful attention must be paid to anthropometrics when manufacturing seating for diastrophics. It is not a matter of simply downsizing a normal office chair as if manufactured for a child. Little people do not have the proportionality of limbs demonstrated throughout the population at large.

When fitting a little person for a chair, the most important measurement is the popliteal-to-buttock length (back of the knee to back of buttocks). In this case study, this person's popliteal-to-buttock was 8½". Obviously, a standard 18" deep seat pan would prevent her from ever contacting the backrest and getting any lumbar support. Sitmatic manufactured a PS (Petite Seat) at 16" deep, but this would have been still too deep. It was impossible to make the seat pan any shorter because the mechanism underneath the chair, with a 10½" length, would protrude out and hit the occupant in the back of the legs.

Sitmatic solved the problem by increasing the backrest thickness 8" by adding multiple layers of foam beneath the contoured top layer. Because the worksurfaces were at a standard 29" height, Sitmatic originally manufactured a chair with a footring to provide foot support. After trying the chair, we discovered that this lady experienced discomfort if her knees were flexed more than 30°. Sitmatic solved the problem by custom bending a footbar to support her feet at the proper angle. A lower seat height cylinder was used to allow easier ingress and egress. An air lumbar was installed to fine tune the lumbar shape. Wide armrest caps, that rotate in, were used to accommodate a narrow elbow to elbow distance.

Bariatric Chair



Sitmatic's custom bariatric chair is the only one of its kind. It is the only chair with a weight capacity of 1,000 lbs. Its spacious seat starts at 30" wide and goes up to 36" wide. Seat depth is based on the user's upper leg length to ensure proper contact is made with the backrest. Generous lumbar support is built in to the backrest and is adjustable 4" in height. Two 30" diameter, steel, bases are permanently fused together to provide strength and stability no matter the working posture. Optional steel arm bars ensure safe ingress and egress every single time.

