

EQUATION™

Ergonomic Specifications



ERGONOMICS THROUGH THE EYES OF E3 CONSULTING

Joy Boese, President of E3 Consulting, shares with us the key ergonomic features of Equation, emphasizing its modern design, intuitive controls, and high customizability. She notes that the chair provides maximum support with minimal adjustments, making it suitable for a wide range of users.

HEADREST

Height from back: 6.5"-9"
Width: 10.8"

Height adjustable and pivoting headrest provides excellent fit to most users.

LUMBAR

Height: 5.5" -10"

Adjustable and includes standard criteria measurements of 5.9"-10". Back depth adjustment provides further support to various users ensure contact support at various depths and angles.

ARMS

Height: 6"-10"
Width: 18.75" (Basic)
16.5"-25" (Dual Pivot)

Accommodates approximately 70% of the population including those that may require "low rise" armrests. While arm length and width meets the basic needs by not impeding work surface, optional dual pivot arms provides further accommodation to ~90% users. Add the degree of pivot at each knuckle.

MECHANISM

Both mechanisms offer 3 points of tilt lock, however, the inclusion of the unique back depth adjustment adds 2 additional tilt positions for each point, totaling 9 points of tilt lock.

BACK

Height: 23.5"
Width: 17.5" (lumbar region)

Fully supports lumbar and upper back and is greater than 14.2" in the lumbar region. Optional headrest enhances users' support. Backrest angle is 102°-107° and up to 123° with tilt at multiple stops.

SEAT DEPTH + WIDTH

Depth: 16"-20"
Width: 17" (back) 19.5" (front)

Depth:
Includes adjustment of seat pan and tilt on backrest). Accommodates ~83% of users. Includes measurement of 16.3" which is required by BIFMA and CSA Standards.

Width:
Accommodates over 90% of users. Waterfall edge results in no pressure on hamstrings.

SEAT HEIGHT RANGE

Weight Activated: 17.75"-21.75"
Synchro Tilt: 17.25"-21.75"
Low Seat (option): 16"-19.5"

Range appropriate for tall users, or users who are sitting at 29" desk with an elevated seat pan and footrest.

Ideal seat pan for average female height (5'4") and male height (5'9") is achievable with the Low Seat cylinder option.

