

ERGONOMIC ASSESSMENT

By Andrew Wilson
Osteopath & Ergonomist

Buro Alto High Back with Arms *Chair*

Seat Profile – 8 (10)

A firm, well padded, seat base of medium to large size, 500mm x 480mm. It provides a restrained contour with 70mm deep at the sides (tapering to 60mm in the centre and 50mm at the front). The middle of the seat is horizontal, with the front third approximately 10 degree forward tilt and the rear third -8 tilt. It has a generous waterfall curve occupying the front one third but the foam tapers at the front to a sharp seam rather than a rolled edge. This encourages some forward thigh tilt posture with the hips higher than the knees (marginally less than the Mentor and the Vela). It is a firm comfortable seat with no pressure points.

Back Rest Profile – 18 (20)

A high square backrest 590mm high x 45mm width. It is a plastic frame with a firm mesh construction. The mesh maintains a good degree of tension which is reinforced by the angled frame and an additional lumbar support. The backrest does not adjust for height. The lumbar support is adjustable for height, but not depth, but gives effective and comfortable additional support without being intrusive. A firm, comfortable and supportive backrest with no pressure points. The mesh backrest provides dynamic flexibility which can adapt to the user.

Configuration of seat and backrest

Forward tilt - 9 (10)

The default forward tilt posture is good. It allows a gentle forward slope thigh while maintaining a very firm and supportive backrest.

Centre - 9 (10)

The synchro mechanism allows for reclined seat and back rest positions that maintain comfort without pressure points or pulling on clothes.

Reclined - 9 (10)

There is a good range of reclination without any instability and the posture remains supportive and comfortable.

Ease of adjustability – 18 (20)

There are 2 levers, one on either side of the seat, which are easy to reach. They are labeled but they are difficult to see. The right lever adjusts seat height and seat depth. The seat slide mechanism is very easy to use. The left lever allows for locking and unlocking of the synchro action. There is no adjustment on the backrest height though it conforms nicely to user size and profile. The chair was supplied with height adjustable arms which are easy to use and have a good range. The synchro tension adjustment is self-weighting worked very well, using the dynamic intelligence technology.

Anthropometric range – 18 (20)

There is an excellent gas lift range (430mm-550mm). The seat and back rest have generous sizing with minimal contouring allowing for a wide range of user sizes. The seat slider adds to the user range and maintains good posture. It would suit a wide range of users.

Total 89 (100)

Summary

This is a well configured chair. With the dynamic intelligence technology, in a very good, all-round chair, at an excellent price point, it will suit a wide range of users.

Sales Note

A very well configured, excellent all-round chair, that would suit a wide range of users. The excellent dynamic intelligence mechanism is now available in a very good chair at a lower price point. An exciting development.

Andrew Wilson - Osteopath and Ergonomist

7 August 2020