

ERGONOMIC ASSESSMENT

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Buro Vela High Back

Chair

Seat Profile – 9.0 (10)

A generously padded seat base (80mm) of medium size - 460mm x 480mm. There is a side to side contour of around 10mm. There is a slight reverse tilt on the main body of the seat, with a generous waterfall edge occupying the front one third. It is a very comfortable seat with an excellent waterfall edge with no pressure points.

Back Rest Profile – 18.5 (20)

A high square backrest 500mm x 480mm with a rigid plastic frame covered by a stretched fabric under tension. The fabric is about 6mm thick maintains a good balance between tension and support. There is a little give to provide comfort but sufficient tension to provide support. The angled frame provides support for the normal contours of the spine with some lateral support. The backrest does not adjust for height but there is a subtle but significant additional lumbar support. The additional lumbar support has a plastic frame covered with a layer of rubberized foam of about 10mm. It is adjustable for height through an arc of 50mm covering the top of the pelvis and the lumbar spine. A very comfortable and supportive backrest with no pressure points.

Configuration of seat and backrest

Forward tilt - 9.5 (10)

The default forward tilt posture is excellent. It allows a forward slope thigh while maintaining a very comfortable and supportive backrest.

Centre- 9.0 (10)

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

Reclined - 9.0 (10)

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

Ease of adjustability – 18.0 (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 depth releases easily. The left lever allows for locking and unlocking of the synchro action with a 4 stage locking adjustment. There is no adjustment on the backrest height, though the lumbar support has 50mm of vertical adjustment. The chair comes with height adjustable arms that are easily adjustable for height, width and depth. The ingenious synchro tension adjustment is self-weighting and works well with a range of users.

Anthropometric range – 18.5 (20)

There is an excellent gas lift range (475mm – 595mm). 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 91 (100)

Summary

This chair builds on the excellent reputation of the Buro Mentor. It is similar in specification except for the stretched fabric on the backrest as opposed to the mesh. The stretched fabric is very comfortable and nicely supports the normal contours of the spine. This is an excellent all-round chair that would suit a wide range of users.

Sales note

An excellent all-round chair, with no obvious faults that would suit a wide range of users. I particularly like the default posture which encourages a forward thigh tilt posture. The excellent self-weighting tension mechanism encourages the user to use the dynamic features which make a synchro chair so beneficial. The stretch fabric manages to be comfortable and supportive.

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27 May 2018