

## Buro Alto Ergonomic Chair with Adjustable Armrests

BUAL791AM3



**Suited for people  
176cm or taller.**

\*provided seat base measurement is met.  
See page 2 for guidance.



### **Synchronised Mechanism**

Synchro chairs have a tilt mechanism that moves the back rest and seat together for optimum support.



**ADJUSTABLE  
SEAT DEPTH**



**ADJUSTABLE  
LUMBAR  
SUPPORT**



**HEIGHT  
ADJUSTABLE  
ARMRESTS**



**STRUCTURAL  
CERTIFICATION**



**SUSTAINABLE  
TIMBER**



**WEIGHT  
CAPACITY**

### Summary

Seat height adjustment allows for people about 176cm (5'9") or taller, provided seat base measurement is met\*. It offers a medium seat depth, a wide seat base and a generously sized backrest while allowing for considerable weight capacity. It is a very stable and sturdy ergonomic chair with a range of adjustments and reasonable comfort. The seat is well upholstered and has a reasonably thick cushioned seat and good fittings. It would be suitable in industrial settings, as well as the home office, and is able to withstand high usage.

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### BUAL791AM3

**AS/NZS 4438:1997 compliance<sup>1</sup> – Yes**

**AFRDI Rating<sup>2</sup> – Blue Tick Level 6 (Heavy Commercial); Green Tick Certification**

#### Posture Support

The seat surfaces and backrest offer reasonable support and comfort. The seat has a lockable reclinable backrest, providing reasonably firm support for the back. The lumbar support is reasonable, with reasonable depth and height adjustment to cater for individual differences. The seat base has an acceptable moulded foam thickness (55mm) for comfort and support. Air-flow cooling mesh backrest provides reasonable comfort and lumbar support.

#### Adjustability

The seat height has a good vertical adjustment range of 100mm. The seat base has a slide capacity to allow the seat depth range to extend about 30mm. The back rest has an adjustable lumbar section built-in with 70mm vertical adjustment. The chair can be tilted with several settings. The armrests also offer acceptable height adjustability vertically. All controls are reasonably easy to operate and accessible whilst sitting in the seat.

#### Stability

It appears very strong and stable and should withstand prolonged use. It appears it will have good durability. This chair has a 135kg weight capacity, which means it is capable of withstanding heavier individuals. The chair is on a 5-castor chrome-plated steel pedestal base and pillar, which is strong and stable. The seat rocks back and forwards a little when in a locked position.

#### Upholstery, Covering, Corners and Edges

The seat has good quality fabric, foam base and matrix mesh backrest. The corners and edges are well-rounded and smooth. There are no sharp projections, sharp edges or rough surfaces evident. Edges accessible to users are rounded with a minimum radius of 2mm. The ends and feet of tubular metal components are capped/closed and finished smoothly. It appears to have adequate air/water vapour permeability, except where non-permeability is required for hygiene or ease of cleaning. The foam thickness is reasonable and appears to be designed to prevent bottoming.

#### Dimensional Requirements / Anthropometrics<sup>3</sup>

Seat height adjustment from 475-575mm allows for people about 176cm (5'9") or taller. The seat depth is 431-461mm, suitable for people with a measurement of 471mm or more from their buttocks to the back of the knee (see note on Seat Depth measurement below). The width of the seat base is 483mm, and the width between the armrests is 470mm, essentially accommodating the whole population (at least 95%). Armrests are easy to remove if individuals exceed this clearance. The backrest height at 560mm and 483mm wide is a substantially sized medium backrest, essentially suitable for the whole population.

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#### Seat Depth

While seated, measure from your buttock to the back of your knee, then subtract 40mm.

1 AS/NZS 4438:1997 Height-adjustable swivel chairs: Relevant standard for adjustable swivel office chairs. 2 AFRDI Rating: Rated by Australasian Furnishing Research & Development Institute Limited, independent tester/certifier of furniture products. Blue Tick Certification ensures stability, durability, ergonomic dimensions, safety and strength and ignition mitigation sources. Green Tick Certification means material is sustainably sourced, requires low operating energy, waste is minimised during production and the ability to recycle components at end of life of product is maximised. 3 Anthropometrics: Based on data from S Pheasant, Bodyspace, Anthropometry, Ergonomics and Design, 1988; World Engineering Anthropometry Resource.