

flexibility

The **Duo-Back®** by Burgtec makes dynamic sitting a reality by allowing freedom of movement in any position - leaning forward, leaning backward and side-to-side. Dynamic sitting makes working more efficient and productive.

The **Duo-Back®** has unique three-axis flexibility, allowing for turning, side and back movements whilst always supporting the spine, shoulders and arms.

The **Duo-Back®** promotes a correct sitting posture in all positions, supporting muscles and discs, and prevents restrictions to the pelvis and legs, whilst remaining comfortable.

The **Duo-Back®** supports the back in a way that reduces fatigue and alleviates spine and back related problems associated with long sitting.



The **Duo-Back®** by Burgtec was designed to integrate the body's biomechanical needs with the functional features such as lumbar support, backrest inclination, adjustable seat depth and multi-functional arm rests. These Duo-Back features work in concert with the body in both static and dynamic postures.

lateral support

Two moulded, upholstered shells are mounted onto a T-shaped, height-adjustable support bar. The mounting material is strong and flexible, allowing the Duo-Backs to move in all directions, creating dynamic movement. Concave and convex, the **Duo-Back®** is formed to support the user's back perfectly. The **Duo-Back®** supports the lower back, the upper back, leaving the spine to move freely, without pressure, relieving it of up to 10 pounds.

The unique mounting of the Duo-Backs easily follows the movements of the user's back and supports it in various positions. In addition, extra flexibility is provided in asymmetric sitting positions.

At first glance, the **Duo-Back®** appears to be too flexible. However, as soon as you sit in the chair the two backs immediately mould themselves to your back for total support and dynamic sitting comfort.



back height adjustment

The adjustments of the **Duo-Back®** offer you the ability to conform the chair to your individual anthropometric needs.

The **Duo-Back®** back rest offers excellent support to the back in all positions.

easylock monomatic mechanism

This chair offers an easylock monomatic mechanism, lockable in multiple positions. Depress lever to freefloat and raise lever to lock.

castors 65mm

This chair is fitted with larger 65mm castors, which allows for free rolling movement and minimal risk of damage to flooring.

foam

The seat is constructed with two densities of quality Dunlop Enduro foam, to provide a firm base with a softer surface area. The upholstery foam is AFRDI approved and fire-retardant.

upholstery

Fabric of your choice to suit any decor. This chair can be upholstered in any durable, high quality wool, leather or vinyl.



multi-functional height adjustable arm

The armrests are ideal where movements of the arm and hand are prevalent, such as at a computer keyboard.

The armrests also reduce stress in the shoulder area. The height and rotational adjustments available are critical in reducing the stress in the shoulder and lower neck.



waterfall

The waterfall seat front allows for a minimum of interference with circulation.

sliding seat (optional)

The **Duo-Back®** is equipped with a unique sliding seat which allows you to adjust the seat depth to suit your own comfort zone. The seat can be locked into five positions. The seat depth and width of the **Duo-Back®** conform with Australian Standards AS/NZS 4438:1997.

gaslift for seat height adjustment

The **Duo-Back®** seat height can be adjusted to Australian Standards AS/NZS 4438:1997 requirements.

back tension control

The tension wheel at front of the chair increases or decreases the backrest tension. A heavier person can tighten the wheel for increased resistance, and a lighter person can loosen the wheel to decrease the resistance.



a good office chair should be...

- aesthetically pleasing
- inviting
- ergonomically sound
- comfortable
- infinitely adjustable
- flexible
- dynamic
- versatile
- stable
- unique

For only a little more than the price of a conventional office chair, Burgtec have incorporated Grahl's innovative Duo-Back® system, complementing it with existing ergonomic functions. The Duo-Back® is all of the above and more.

the Duo-Back® supporting productivity

The Duo-Back® chair by Burgtec is designed to cover the full range of comfort and utility for work activities and to support performance for a full range of people and tasks.

Burgtec recognised the need to bring this chair to market, and with this goal, designed a chair that could provide optimum functional utility, and so the Duo-Back® design evolved. The result is a chair with a maximum number of functions to optimize personal fit. The Duo-Back® design allows individuals to adapt the chair to their own personal requirements with flexibility to each part of the body.

what makes Duo-Back® unique... and better?

The most unique feature of the Duo-Back® is the hugger feature. This backrest design allows the stabilization of the body's trunk by supporting the back vertically and in changes of posture and positioning. It allows the body to be supported at more angles and inclinations than any other chair available in the market, because it actually hugs your back. This makes the Duo-Back® more adaptable to a wider range of work activities.

Duo-Back® . . . try it!



ergonomist statement

"Dynamic seating, allowing freedom of movement in any position..."

Dr Werner Wilhelm

Orthopaedic Study : The Grahl Duo-Back

"Supports lower and upper back, leaving spine to move freely without pressure..."

Edgar Berbuer MD

Optimal Sitting Posture & Dynamic sitting in Duo-Back chairs

"Exceeds all ergonomic criteria..."

University of Dresden

Seating comfort of an ergonomic chair

"Individuals can conform this chair to their individual anthropometric needs..."

Prof Dr Med Dr Ing W Diebschlag

Medical Studies

"Duo-Back allows for healthy and relaxed seating posture ..."

Prof Matthias Bruening

Good relaxing Sitting

"Duo-Back supports productivity... the body can continuously adjust and redistribute weight to equalize pressure..."

D S Kearney Ph.D.

The Foundations of Ergonomic Seating Design

duo-back®



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seating & table systems

environmental statement

Burgtec manufactures its products with exacting measures to guarantee not only a quality product but also a product that is manufactured with materials and processes that will not have a detrimental impact on the environment.

The following are specific areas that attest to Burgtec's awareness of its ecological responsibility:

- Polypropylene plastic parts are completely recyclable.
- ABS seat pans are recyclable and reusable.
- Packing boxes using corrugated materials are manufactured from partially recycled parts products.
- No chlorofluorocarbons in our products.
- Any chemicals used in our processes are 100% non-hazardous to the environment.
- We do not use endangered exotic woods.
- All chipboard used is formaldehyde free.
- All paper, foam and textile scraps are recycled.

Because high quality Burgtec products have longer life cycles, they need not be replaced as often, as Burgtec uses quality manufacturing procedures.

burgtec
seating & table systems



GRAHL



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