

elite  
healthcare



Boston







# Boston

The Boston has a unique combination, of Tilt in Space and independently controlled back recline and leg elevation, so that carers can constantly adjust the user's position to relieve pressure and provide all-day comfort.

Engineered to meet the needs of semi-ambulant and non-ambulant users with a range of additional support features to modify the chair to individual needs. Aesthetics have been at the forefront of the design to reduce stigma and increase acceptance.

The Boston is available in either a manual or electric model.

## Key features at a glance:

- Independent Tilt in Space
- Independent backrest recline
- Independent leg rest adjustment
- Choice of interchangeable and adjustable back cushions
- Choice of interchangeable pressure management seat cushions
- Full seat cover to remove pinch points and increase comfort
- Seat depth adjustment
- Full profile leg rest for added support
- Optional height and angle adjustable footplate
- Heavy-duty push handle with rubber grips
- Wing handles for ease of manoeuvring
- D-rings fitted as standard
- Four heavy duty lockable castors
- Pocket on rear for client case documents
- Removable chaise and footplate covers
- The electric model comes with a rechargeable battery system for mains free usage.

## Additional options:

- Replacement chaise and footplate cover
- Lap strap and pad
- Seat depth adjustment pads
- Wedge adjustment blockers
- Detachable footplate pad for extra comfort
- Range of headrests.

## Featured fabrics:

Outer in Valencia Orange with a black vapour permeable multi-way stretch inner.

# Chair Adjustments

The Boston provides carers with a number of options to enable regular repositioning of the user to redistribute pressure and support a 24-hour postural care programme. The Boston has an in-built Tilt in Space movement and the backrest and leg rest can be separately adjusted providing a further range of back and leg angle combinations to support improved posture and pressure management. The Boston is available in both manual and electric models.



## Tilt in Space recline movement

The Tilt in Space movement is operated by the push handle on the manual model or for the electric model by using the handset controls. The chair can be gently tilted in a range of positions, but always ensuring that a constant back angle is maintained as the chair moves through the tilt position options, this constant angle prevents shearing to the back and bottom. The tilt locks into position when the lever or handset button is released.

## Independent backrest recline

Using the lever on the push handle on the manual chair or the handset controls on the electric model the backrest can be independently reclined providing a range of back angles. The back locks into position when the lever or handset button is released. Angle range: 108° - 165°.

Enhanced posture and pressure management positions can be achieved by combining these movements with those of the independent leg rest and footplate adjustments.



## Independent leg rest adjustment

The long profile leg rest is specifically designed to support good positioning of the legs. The gentle profile shaping, supports the legs from slipping from the leg rest and reduces the risks associated with individuals crossing their legs.

The leg rest angle can be changed independently using the lever on the side of the chair or on the electric model by using the handset. The full profile leg rest is released by pulling the lever allowing the leg rest to be altered to the required angle for the user's comfort. The leg rest locks when the lever or handset button is released. The leg rest can move 90° degrees from the standard seating position.



## Healthcare considerations for Tilt in Space mechanisms

Tilt in Space mechanisms provide key advantages to support the care of individuals:

- Can be specified as part of a 24-hour postural management programme with a wide range of positions.
- Ideal for those who are unable to independently manoeuvre their weight to relieve pressure build up.
- Assisted movement reduces the risk of skin breakdown due to poor skin integrity, high pressure risk or poor circulation.
- Can support people with swallowing problems by allowing them to be positioned optimally for food to be swallowed, for example, individuals with neurological conditions such as MND.
- Can also be very useful for those with low blood pressure to alter their position to reduce the impact of changes in pressure e.g. postural hypotension.



### **Optional height and angle adjustable footplate**

A height and angle adjustable footplate provides a range of support positions. The footplate can also be removed or flipped up to allow uninterrupted access with a hoist.

### **Angle adjustment**

The footplate has four positions to accommodate for fixed flexion and to maintain foot position for users with drop foot.



### **Height adjustment**

The seat height to footplate range is 17" to 23" (432mm to 584mm).



### **Seat depth adjustment**

Adjust the seat depth of the chair by fitting adjuster pads behind the back cushions using the velcro strips. 25mm (1") and 50mm (2") sizes available.



### **Wedge adjustment blockers**

Wedge adjustment blockers are available with all of our back cushions. The blockers fit behind the cushions allowing the carer to change the level of support and adapt the back for a user's changing needs. Available in two sizes 2" and 3" depth.



### **Padded seat chaise cover**

The Boston benefits from a single, full cover over the whole of the seat. This chaise, which is attached to the seat cushion, removes any pinch points and provides deep comfort to all parts of the body in contact with the chair. The seat and chaise is removable.



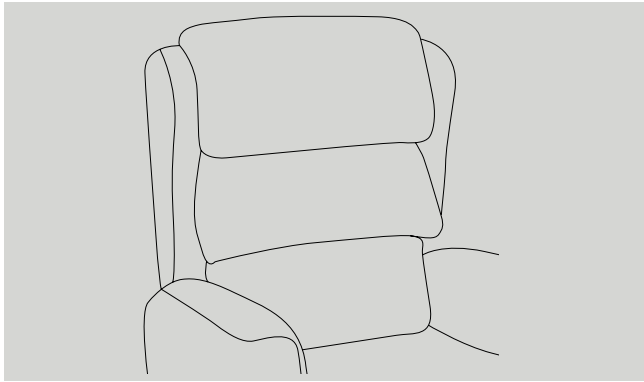
### **Detachable footrest pad**

The footrest pad can be simply secured to the footrest providing the user with a softer and deeper cushion support.



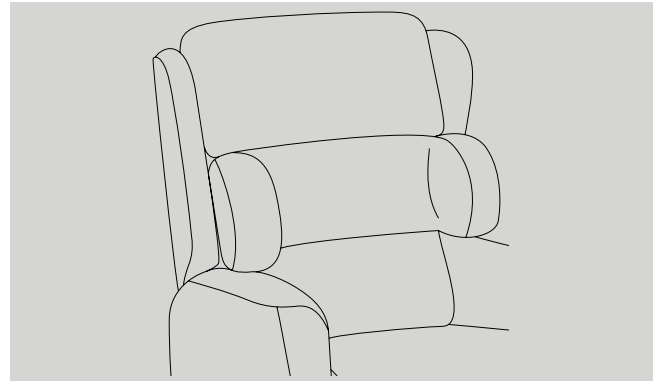
# Posture Supporting Back Cushions

The Boston comes with our interchangeable backs. Purchase one or more backs to support the different needs of the individuals who may use this chair.



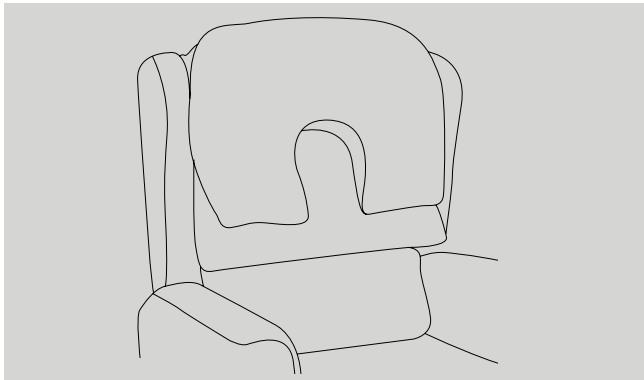
## Waterfall back

Individual fibre filled waterfall cushions, each of which are fully adjustable to accommodate maximum postural support. The waterfall back can be useful for those with mild kyphosis, scoliosis and reduced muscle mass on their back.



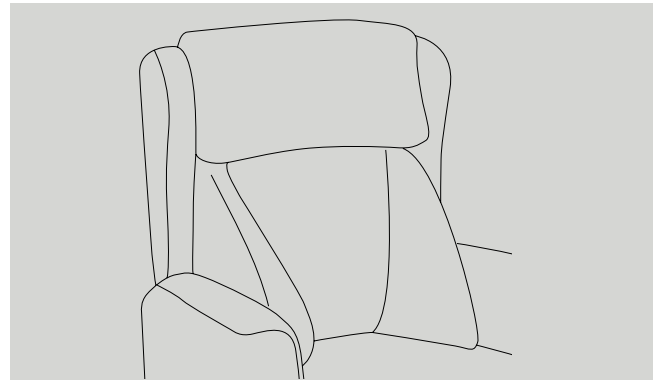
## Waterfall lateral back

The central cushion in this soft fibre filled waterfall back comes with in-built lateral supports which can provide some trunk support for those who have limited trunk control or balance, useful for those with early stages of neurological conditions such as MS or a Stroke survivor with limited residual impairments.



## Large profile headrest with waterfall back

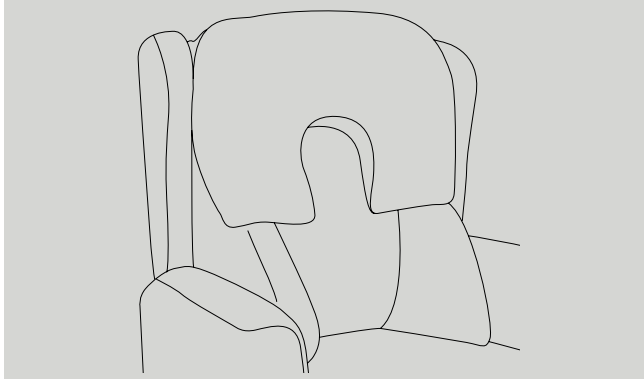
The profile headrest conforms to the head and shoulders which can be useful for individuals with limited neck control with the waterfall back providing soft adjustable lumbar support.



## Comfort lateral back

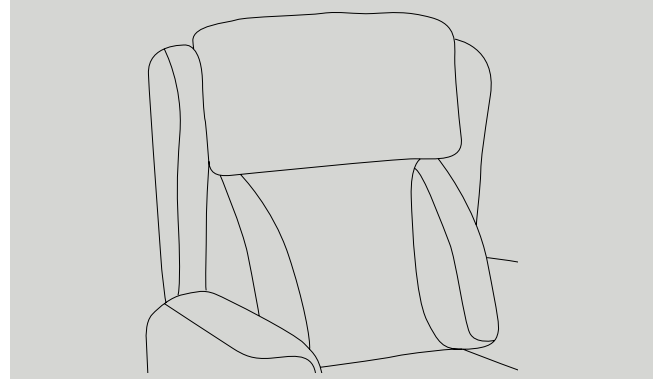
Soft fibre filled back with lateral support, which can be useful for those who have limited trunk control or balance. It can be useful for those with early stages of neurological conditions such as MS or a Stroke survivor.

For ease of cleaning and replacement all back cushions are removable and have removable cushion covers. All fibre filled cushions can be adjusted with additional filling for the user's comfort.



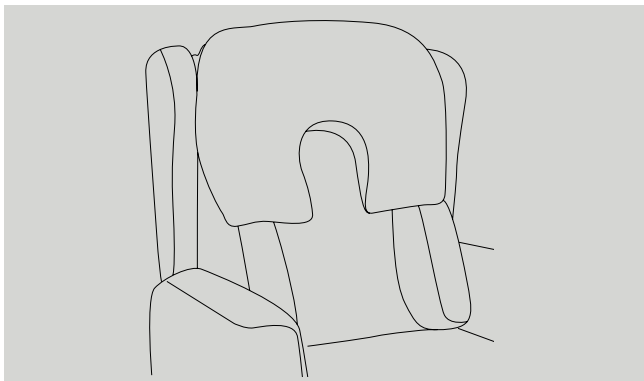
### **Large profile headrest with comfort lateral back**

This back offers soft fibre filled cushions to provide head, shoulder and trunk support, which can be useful for older users who have lost some muscle control, supporting them in a good postural position with the head in a neutral position. This back can also be useful for early stages of neurological conditions to maintain good positioning without restricting activities.



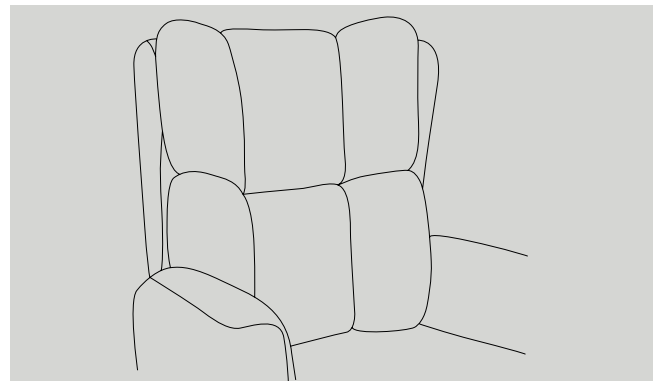
### **Support lateral back**

A foam filled back providing firmer lateral support with a soft fibre filled headrest. The firm lateral support maintains midline trunk alignment which can be useful for those post Stroke or early to mid-stages of neurological conditions.



### **Large profile headrest with support lateral back**

Firm foam lateral back cushion with soft fibre filled profile headrest can provide support for those who have limited trunk control or balance. The profile headrest can provide support to keep the head in good midline alignment which can be useful for those with early stages of neurological conditions such as MS or a Stroke survivor with limited residual impairments.



### **Double comfort lateral back**

Deep filled contoured back cushions provide lateral postural support for improved comfort and positioning, making this chair useful for any individual with painful joints and where any movement is painful with conditions such as Rheumatoid Arthritis, Ehlers-Danlos syndrome or neurological conditions. This back could also benefit palliative care, supporting those with life-limiting conditions.

# Pressure Management Seat Cushions

The Boston comes with our interchangeable seat cushions. Purchase one or more cushions to support the different needs of individuals who may use this chair. With all these seat cushions, we recommend a fabric with four way stretch properties to aid the reduction of friction and shear.

## Viscoform

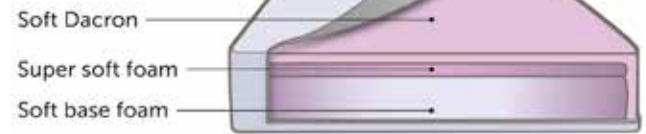


Pressure Risk **LOW MEDIUM**

For those who have good posture and mobility but are seated for greater than one hour at a time and require pressure relief and supported comfort.

This cushion has a high-density foam base which offers a supportive and firm seat base with a top layer of memory foam to allow immersion into the cushion, giving stability and a large surface area to reduce pressure levels.

## Foamaform

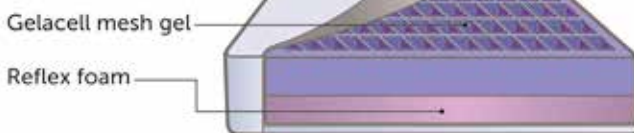


Pressure Risk **LOW MEDIUM**

For those who have good core stability and posture, are sitting for more than one hour at a time and require low to medium pressure relief combined with a high level of comfort.

This cushion has different layers of high-density foam, offering a supportive seat base which allows the user's bottom to be immersed into the cushion. It provides stability, a large surface area reducing pressure levels and a high level of personal comfort.

## Celliform

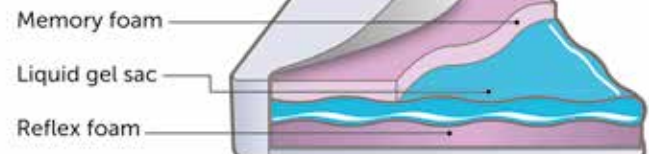


Pressure Risk **MEDIUM HIGH**

For those sitting for long periods with specific comfort issues such as a high risk of pressure sores.

Gelacell has a unique cell matrix that distributes pressure across the contact area, as it contours and yields in response to weight redistribution. Gelacell absorbs body heat, reducing the risk of creating an environment that could increase pressure risks, the grid design also encourages air circulation. Gelacell is clinically tested and passes all dermatological tests for skin contact.

## Liquiform



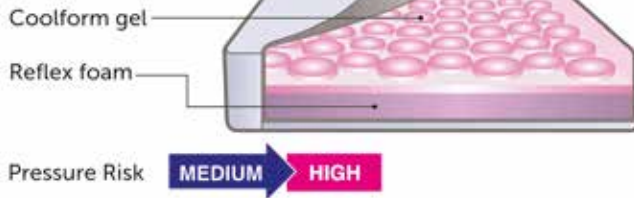
Pressure Risk **MEDIUM HIGH**

For those who have good posture and mobility but sit for long periods of time and require pressure relief and supported comfort. Recommended for people with limited muscle bulk or at risk of excessive weight loss.

This cushion has a high-density foam which offers a supportive and firm seat base. The foam is topped with a fluid liquid gel in a soft silicone cover which provides a high level of pressure relief. The liquid gel helps to dissipate heat and constantly adapts to the user's movement.

For ease of cleaning and replacement all seat cushions are removable and have removable cushion covers.

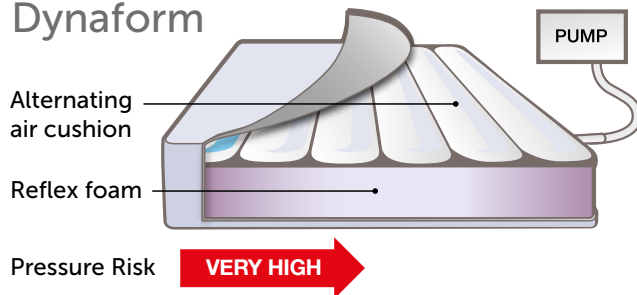
## Coolform



For those sitting for long periods with specific comfort issues such as a high risk of pressure sores. This cushion uses the latest medical grade silicone gel technology allowing pressure to be evenly distributed.

The gel conforms to the shape of the body and equalises to body temperature. The gel cells allow air to flow easily and Coolform is totally odourless and hypoallergenic.

## Dynaform



For those at very high risk of developing pressure sores or a history of sores where the highest priority is to prevent further pressure damage.

The Dynaform cushion is a dynamic alternating air cushion, which constantly changes the air levels within its air cells to recreate the effect of normal body movements, which provides constant pressure redistribution to prevent pressure build up.



# Ease of Movement

The Boston is designed to be extremely easy to push and manoeuvre. This porter chair can be easily positioned and repositioned to ensure a user can be placed exactly in the right position for transfer or to engage in activities. The Boston comes with additional easy to grip wing handles, providing a sturdy and comfortable hold, with the handles shaped and positioned to suit carers of different heights. These handles allow the chair to be easily moved and positioned even when an individual is in a fully reclined position.



# Adaptable Cushions

The Boston benefits from fully removable back and seat cushions providing the ultimate flexibility to fit the chair to the individual. Easy to remove covers also ensure high levels of hygiene and easy maintenance of the chair.



The back cushions provide complete flexibility, each cushion can be separately removed and repositioned for the individual's comfort. In fibre filled cushions the padding levels can also be adjusted.



Seat cushions can be removed and interchanged to adapt the chair to each new user's pressure care or support needs.



Easy to change covers. Quick to remove and replace. The chaise and footplate cover can be completely removed for cleaning or replacement.

# Optional Accessories

- Replacement chaise and footplate covers
- Lap strap and pad
- Seat depth adjustment pads

- Height and angle adjustable footplate
- Wedge adjustment blockers
- Detachable footplate pad for extra comfort.

## Headrests

A range of headrests are available with the Boston:

- Head roll
- Small head pillow
- Small profile headrest
- Large profile headrest
- Midline headrest.

Further details can be found on our website.

## Fabrics

All our health fabrics are Waterproof, Anti-MRSA, Anti-bacterial, Anti-fungal, Crib 5 and bleach cleanable and all cushions and cushion covers are removable for cleaning purposes. For our full range of health fabrics please visit our website.



# Weights and Dimensions

The Boston comes as standard with an overall user weight limit of 159 kg (25 stone) and with a maximum leg rest weight limit of 57 kg (9 stone).

## The Celliform and Dynaform cushion has the following weight restrictions:

Minimum weight of user 40 kg (6 stone 4lbs)  
Maximum weight of user 127 kg (20 stone)



	Small	Medium	Large
<b>Seat Height</b>	635mm (25")	635mm (25")	635mm (25")
<b>Seat Width</b>	457mm (18")	508mm (20")	559mm (22")
<b>Seat Depth</b>	508mm (20")	508mm (20")	508mm (20")
<b>Arm Height</b>	178mm (7")	178mm (7")	178mm (7")
<b>Overall Height</b>	1270mm (50")	1270mm (50")	1270mm (50")
<b>Overall Width</b>	699mm (27.5")	749mm (29.5")	800mm (31.5")
<b>Overall Depth</b>	927mm (36.5")	927mm (36.5")	927mm (36.5")

Please note that depending on the seat cushion built into the chair the seat height may vary slightly from that shown above.

# Warranty

Two years on mechanisms, frame and upholstery.  
One year on air seat cushions.



20 Primeside Park  
Northwest Business Park  
Ballycoolin, Dublin 15. D15 E393

T: 01 8903932  
E: [info@elitehealthcare.ie](mailto:info@elitehealthcare.ie)  
[www.elitehealthcare.ie](http://www.elitehealthcare.ie)

