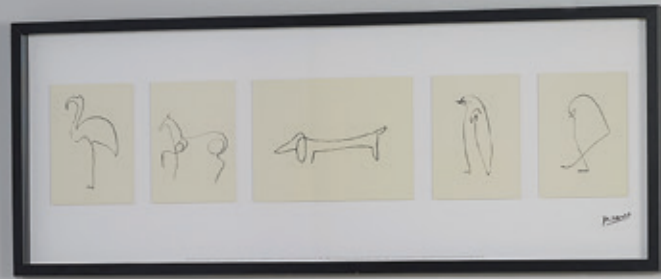




Arden





# Arden

The Arden is an innovative Bariatric chair that through its unique four motor technology is able to combine Independent Tilt in Space (TIS) movement with Independent Backrest Recline, Independent Leg Rest and Rise movements.

In addition, it comes with a low-profile seating option and an extendable leg rest.

This 50 stone chair, with a 25 stone leg rest capacity, offers luxurious comfort with maximum adaptability.

## Key features at a glance:

- Four motor mechanism with independent Tilt in Space, rise, backrest recline and leg rest movements
- Removable and adjustable waterfall back cushion
- Back rest blockers can be fitted for additional support
- Fixed or optional interchangeable pressure management seat cushion and chaise
- Optional seat depth adjustment
- Optional leg rest extension
- 16" (406mm) low profile seating height available
- Flat wide arms, luxury padded for deep comfort and support
- Seat and leg rest generously padded with memory foam chaise
- Heavy duty glides are built in as standard
- Simple to use handset
- Handset loop and deep side pocket on RHS of the chair.

## Additional options:

- High wear protection covers in matching fabric
- Positioning of the handset loop and pocket
- Arm padding upgrades
- Carer handset loop on the back of the chair
- Additional safety features
- Range of headrests.

## Featured fabrics:

Outer arms and wings in Manila Char MNL16 and arms/inner arms and wings in Valencia Sonne. Inner seat and back in grey vapour permeable multi-way stretch fabric.



# Plus sized seating – overview

## The current climate

The University College London (2018) study stated that by 2045 22% of the world's population will be obese (using BMI as a standardised measurement). This is significant as obesity is not a condition that stands alone, it brings with it other health concerns such as heart disease, diabetes, increased risk of stroke and reduced mobility.

The term **bariatric** generally refers to a person weighing over 159kg (25st) and has been replaced predominantly with the term **plus-sized**. However, when discussing weight in relation to equipment provision and in this case seating, health care professionals are acutely aware that weight itself is not necessarily the defining or complex factor. Body shape and therefore where the weight is distributed is more commonly the focus of seating assessment and it is for this reason that many services consider a BMI of 30+ to be 'plus-sized', allowing for the shorter, wider body shape.

### The benefits of good seating posture:

- Strain removed from joints and their supporting structures
- Digestive processes will be supported
- Dietary intake can be maximised
- Risks of pressure damage reduced
- Improved circulation
- Supported respiratory system by maximising diaphragmatic function
- Maximised potential of user to engage in meaningful activity
- Improved social integration
- Increased communication

## Client and Carer considerations

Postural and pressure management, comfort and independence are core factors that need to be considered when selecting a suitable chair for a plus sized client. The client will often spend a great deal of time resting in the chair and may have limited movement during these periods. The functionality of the chair therefore must formulate part of the clinical reasoning process, and also take into account support requirements from a potential carer and aim to ease the issues of moving and handling, thus reducing the risk of injury to carers whilst undertaking these activities.

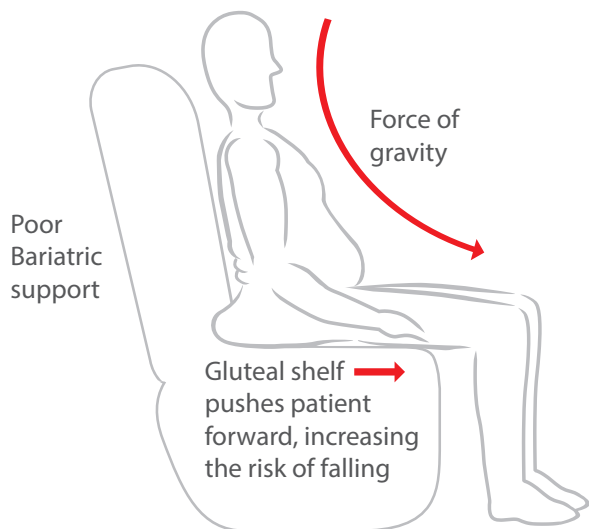
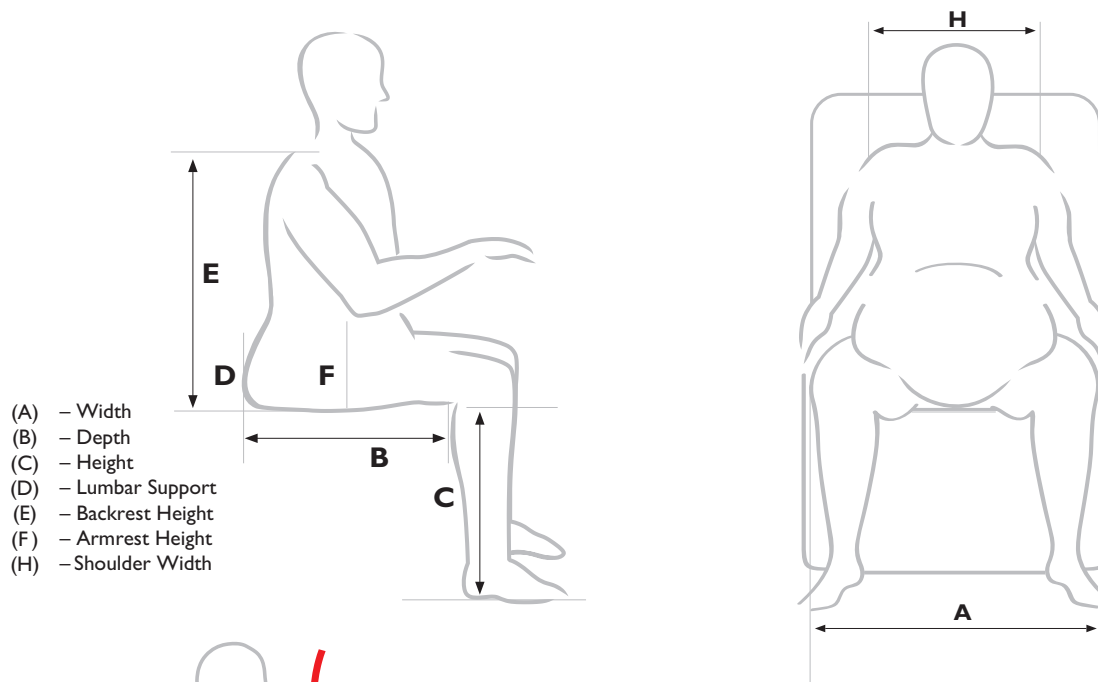
During the holistic assessment of appropriate seating it is critical to also consider the impact of provision on the carer or care team. Impacts of good seating can:

- Reduce carer strain
- Support safe moving and handling
- Promote normal roles and routine

# Measurement and pressure management

## Measurement

Measuring a chair correctly is critical in all cases but, made more complex when assessing for a plus sized person. Tissue often inhibits the ability to feel or see bony prominences as well as the impact of weight and force of gravity which encourages problematic posture. It may be advisable to use two people to ensure that the measurements are accurate.



## The Gluteal Shelf

This is a collection of tissue at the person's buttock area, which creates a protruding 'shelf'. This pushes the person's seating position forward; in standard chairs people often feel like they are perching due to the impact on back position and posture. This can affect the quality of rest time, rehabilitation and care provision.

## Seat Depth, Height and Length

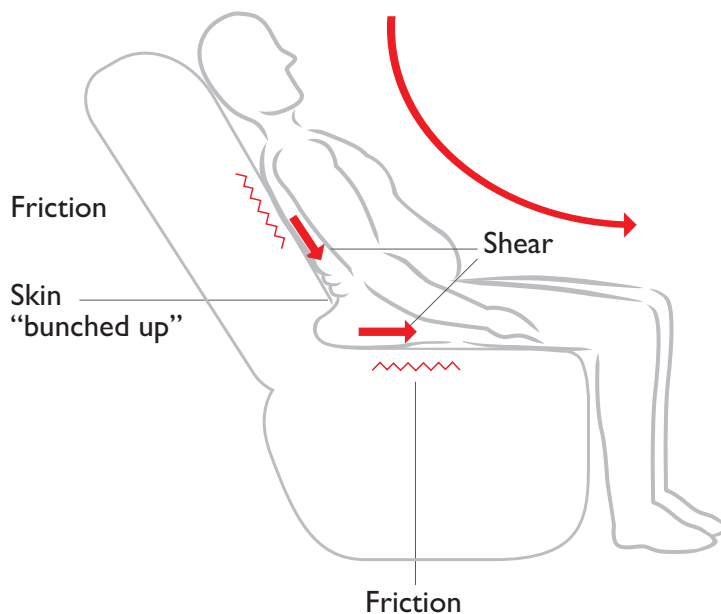
It is critical to ensure that the client maximises contact with the chair's surface in order to deliver high levels of support and postural control whilst seated in the chair. The seat depth and length need to be adjusted in line with the client's leg length, but must avoid pulling the client forward and into a sacral sitting position.

## Leg rest support for calves

The correct leg rest and calf pad is an important function to consider in seating bariatric or plus sized clients. With larger calves, there is often increased risk from falls during standing as the feet can be positioned far in front of the patient when the calf pad does not accommodate the mass of the patients' legs. The leg rest needs to allow larger calves to maintain 90 degree knee flexion and to enable a safe, stable standing position.

## Tilt in Space and Recline Movements

A tilt in space system allows the client to recline whilst maintaining all of the body's angles as it changes the orientation in space, allowing posture to be maintained and pressure to be redistributed as well as reducing shear and friction.



Both reclining and tilt systems can provide pressure relief, increase circulation, improve head, neck and trunk control, improve functional posture and positioning, support safe transfers by various means and minimise variations / fluctuations in the client's muscular control. Tilt and recline systems work predominantly by moving the person's centre of gravity which whilst maintaining posture and ergonomic support allows the pannus to be redistributed. This can be used to alleviate pressure, help the respiratory system and allow access for specific skin care tasks.

## The Arden – What the Expert Says

The Arden has been designed to address the needs of plus sized clients with its four motor mechanism aimed at maximising pressure control through independent Tilt in Space, Backrest Recline, Leg Rest Elevation and Rise movements giving the client and carer that many more positional options.



*Kate Sheehan*

Kate Sheehan  
Independent Occupational Therapist

## The Arden's key features

**Accommodating the Gluteal Shelf** and ensuring a good postural position is achieved on the Arden through the:

- Option to increase the seat depth with easy to fit adjuster pads
- Reduced lumbar padding in the backrest which creates a recess
- Set back calf rests, which can support excess tissue in this area thus supporting natural flexion.

Unique to the Arden, the **Independent Tilt in Space (TIS)** works to counteract the effect of the person's pannus. By having control over the angle of tilt you can adjust that person's centre of gravity' making them feel more comfortable, supporting the pannus, and reducing the feeling that they are being dragged forward by external forces.

The **Independent Backrest Recline** allows the person to maintain flexibility over their body's position, particularly the amount of hip flexion, enabling them to maximise comfort as well as managing health needs.

The **Independent Leg Rest** offers the person additional flexibility over positioning, allowing them to use it in conjunction with the recline feature to create the optimal posture for their body shape.

**A Seat Height starting at 16"** allows the person to get the exact chair they need to support health, well-being and independence without compromise.

The ability to have an **extended leg rest** fitted. This is ideal to ensure that whatever seat height is chosen the user will not find the leg rest to short when it is raised. The extended leg rest allows the person to get the best of both worlds without having to compromise.

The **Independent Rise** provides the client with more independence, supporting them as they rise to a standing position from being seated.

These independent movements coupled with the **seat depth adjustment, removable waterfall cushions**, a choice of pressure seat cushions and the latest health fabrics explains why the Arden is becoming the health professionals first choice in Bariatric seating.

# Chair adjustment

## Four motor mechanism with Independent TIS, Backrest Recline, Rise and Leg Rest Movements

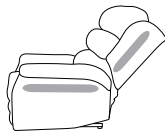
The Arden offers clients and carers some very unique movement options that support good posture, pressure management and independent living. This mechanism is ideal for:

- those clients who are unable to independently shift their weight either in a reclined or seated position.
- those with poor skin integrity where there is a high risk of skin breakdown.
- those clients with complex needs that require carer support to change position without putting their own health at risk whilst carrying out positional changes.

The backrest recline works independently of the leg rest movement enabling a wide range of relaxing positions, from sitting upright and raising the leg rest to relieve tired legs to a fully reclined resting position. The leg elevation can support reduction in oedema and fluid retention. This reduced fluid in the lower limbs allows a user to maintain their standing and walking abilities. The rise position supports standing, enabling the person to walk away more easily.



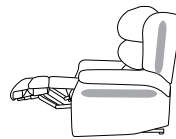
Static



Back Recline



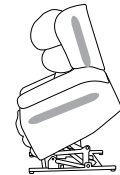
Independent tilt in space



Legrest out



Complete recline & tilt



Rise

More information and clips showing this mechanism in action are available on our website.





## Waterfall Back Cushion Adaptability

The Arden comes with our deeply comfortable three cushioned, waterfall back, all fibre filled. They can be easily repositioned on the back for the client's individual requirements and can also have their firmness adjusted by adding or taking away fibres.

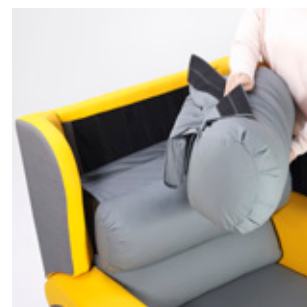
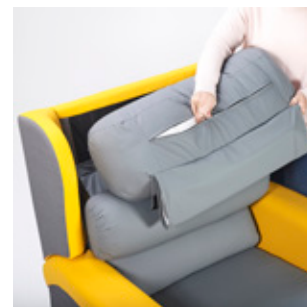
For ease of cleaning and replacement the back cushions and covers are removable. They are also replaceable. All of the cushions have zips for easy removal.

## Back blockers for postural support

At the back of both the top and middle waterfall cushions sleeves are fitted to accommodate the blockers to provide additional postural support. The position of each back cushion can be adapted with blockers to adjust the shape and support for the specific needs of each user. The blockers come as standard and replacement pairs can be purchased.

## Seat Depth Adjustment

The seat depth can be adjusted by fitting adjuster pads behind the back cushion using the Velcro strips. There are two sizes available - 25mm (1") and 50mm (2")



# Pressure Management Seat Cushions

The Arden comes as standard with a fixed seat option or you may choose to have our removable and interchangeable seat cushions.

## Standard Fixed Options

You can choose from one of the four seat cushion options (opposite) each with different pressure management features. The seat cushion you choose is then combined with the chaise (single seat and leg rest cover) and is supplied as an integrated seating solution which is fixed to the frame and cannot be removed or changed.

## Removable / Interchangeable Options

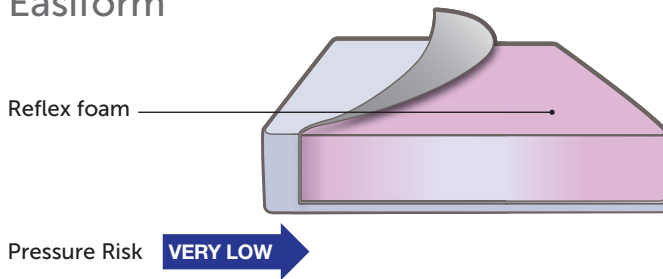
You can choose from one of the four seat cushions each with different pressure management features. The seat cushion you choose is then combined with the chaise (single seat and leg rest cover) and is supplied as an integrated seating solution. It can be removed and interchanged with one of the other seat cushion options. You can purchase one or more cushions to support the different needs of individuals who may use this chair.

Covers are removable for cleaning.

With all these seat cushions we recommend a fabric with four way stretch properties to aid reduction of shear and friction.

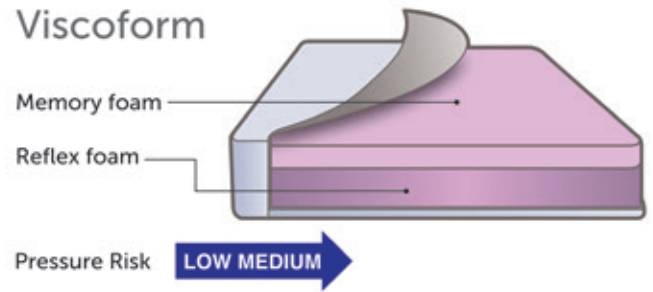


## Easiform



Our softest foam cushion with high quality Reflex foam filler for gentle comfort.

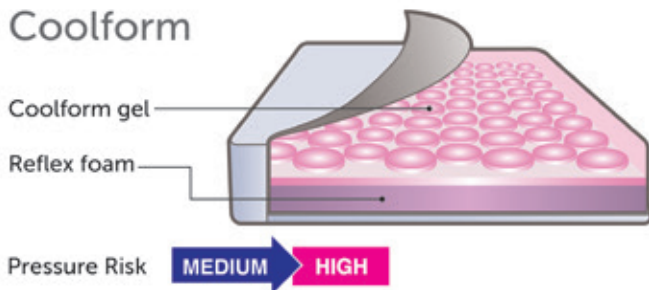
## Viscoform



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.

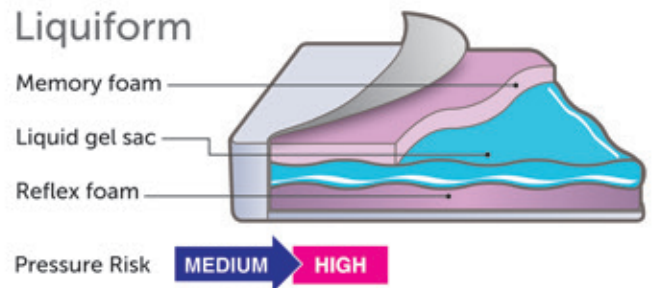
## Coolform



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.

## Liquiform



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.

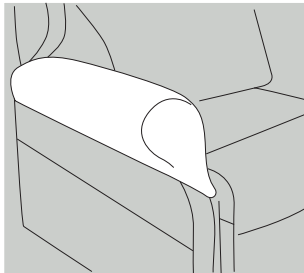
This cushion has a high-density foam which offers a supportive and firm seat base. The foam is topped with a fluid liquid gel in a soft silicone cover which provides a high level of pressure relief. The liquid gel helps to dissipate heat and constantly adapts to the user's movement.

# Optional Accessories

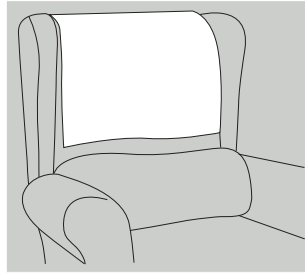
The following accessories are optional on the Arden:

- Extendable leg rest fitted on manufacture
- Coolform gel or memory foam in arm rests
- Handset loop on back of chair for the carer
- Pocket and handset loop moved to the left-hand side
- Replacement back blockers
- Back and seat cushion replacement on removable cushions

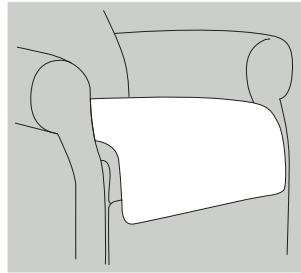
## High wear protection covers all in matching fabrics:



Full length arm cover



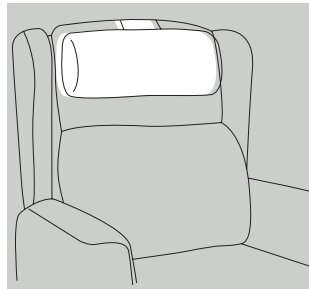
Head cover



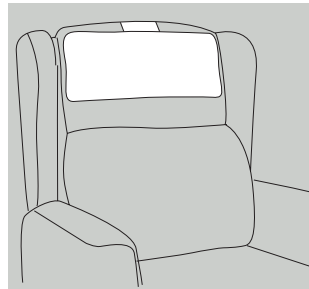
Seat cover

## Headrests

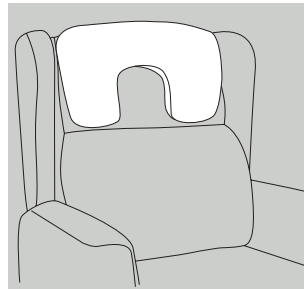
A range of headrests are available with the Arden:



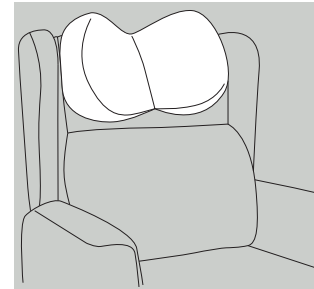
Head roll



Small head pillow



Small profile headrest



Midline headrest



## Safety options

- 20 cycle back-up unit
- Accupak rechargeable battery system for mains free usage

Further details can be found on our website [www.reposefurniture.co.uk](http://www.reposefurniture.co.uk).



## 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 Arden has a weight limit of 318 Kg (50 stone) and a leg rest with a capacity of 159 Kg (25 stone) as standard.

	Small	Medium	Large
<b>Seat Height</b>	406mm (16")	457mm (18")	508mm (20")
<b>Seat Width</b>	610 / 660 / 711 / 762 mm (24 / 26 / 28 / 30")	610 / 660 / 711 / 762 mm (24 / 26 / 28 / 30")	610 / 660 / 711 / 762 mm (24 / 26 / 28 / 30")
<b>Seat Depth</b>	508mm (20")	508mm (20")	508mm (20")

**Back Height:**  
762mm (30")

**Standard Arm Height:**  
203mm (8")

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

# Chair location - Dimensions

Please visit our web site to find out further overall dimensions to ensure that the chair will fit into its desired location.



# Chair movement and set up

## **Weights to be aware of:**

Please be aware that this chair is heavy, and every personal precaution should be taken in its moving and handling. See user manual for further details.

Total weight of the chair: 89.5Kg (14 stone)

Total weight of the base frame: 74.5Kg (11.8 stone)

Total weight of the back frame: 15kg (2.4 stone)

# Warranty

Two years on mechanisms, frame and upholstery.  
Full terms and conditions are available on our website.

**We recommend that professional advice is sought when purchasing specialist seating.**



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\*Calls cost 7p a minute plus your networks access charge.



[www.reposefurniture.co.uk](http://www.reposefurniture.co.uk)



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