

**ARJOHUNTLEIGH**

GETINGE GROUP

# ALENTI

INSTRUCTIONS FOR USE



**CE**  
0086

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# Foreword

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## Thank you for purchasing ArjoHuntleigh equipment.

Your *Alenti* lift and hygiene chair is part of a series of quality products designed especially for hospitals, nursing homes and other health care use.

We are dedicated to serving your needs and providing the best products available along with training that will bring your staff maximum benefit from every ArjoHuntleigh product.

Please contact us if you have any questions about the operation or maintenance of your ArjoHuntleigh equipment.

## Please read this manual thoroughly!

Please read this manual in its entirety before using your *Alenti* lift and hygiene chair. Information in the manual is crucial to the proper operation and maintenance of the equipment and will help protect your product and ensure that equipment performs to your satisfaction. Some of the information in this manual is important for your safety and must be read and understood to help prevent possible injury. ArjoHuntleigh strongly advise and warn that only ArjoHuntleigh designed parts, which are designed for the purpose, should be used on equipment and other appliances supplied by ArjoHuntleigh, to avoid injuries caused by the use of inadequate parts.

Unauthorized modifications on any ArjoHuntleigh equipment may affect its safety. ArjoHuntleigh will not be held responsible for any accidents, incidents or lack of performance that occur as a result of any unauthorized modification to its products.

## Service and Support

A service routine must be performed on your *Alenti* every year by ArjoHuntleigh qualified personnel to ensure the safety and daily operation of your product. See chapter, *Care and Preventive Maintenance*.

If you require further information, please contact your local ArjoHuntleigh representative who can offer comprehensive support and service programs to maximize the long-term safety, reliability and value of the product.

Contact your local ArjoHuntleigh representative for replacement parts. Your service representative stocks the parts you will need.

The telephone number appears on the last page of this Instructions for Use (IFU).

## Complementary information.

A set of Quick Guides/Posters and a DVD accompanies this IFU.

Please note that the Quick Guides/Posters and the DVD do not replace the information in this IFU. The IFU contains additional important safety instructions.

## Definitions in this manual:

### WARNING

Means:

Safety warning. Failure to understand and obey this warning may result in injury to you or to others.

### CAUTION

Means:

Failure to follow these instructions may cause damage to all or parts of the system.

### NOTE

Means:

This is important information for the correct use of this system or equipment.



Means:

The name and address of the manufacturer

# Intended Use

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**The equipment must be used in accordance with these safety instructions. Anyone using the equipment must also have read and understood the instructions in this Instructions for Use (IFU).**

**If there is anything you are not sure about, contact your ArjoHuntleigh representative.**

This equipment is intended for lifting and transporting residents to and from a bathroom in a care facility and to assist with the bathing process. *Alenti* must be used by appropriately trained caregivers with adequate knowledge of the care environment, its common practices and procedures, and in accordance with the guidelines in the Instructions for Use (IFU)

## **Resident assessment**

We recommend that facilities establish regular assessment routines. Caregivers should assess each resident according to the following criteria prior to use:

- The resident's weight should not exceed the Safe Working Load of 182kg / 400 lbs.
- The resident should be active or semi-active (i.e. able to sit upright self-supporting on the side of a bed or toilet).
- The resident should understand and respond to instructions to stay seated in an upright position.

If a resident does not meet these criteria an alternative lift and hygiene chair shall be used.

The life span of this equipment, unless otherwise stated, is ten (10) years, subject to preventive maintenance being carried out in accordance with the instructions for *Care and Preventive Maintenance* found in this Instructions for Use (IFU).

# Safety Instructions

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## WARNING

To avoid *Alenti* from tipping, which can cause bodily injury, never leave the resident unattended at any time. Ensure that the resident does not pull or hold on to stable objects such as grab rails, sinks or other equipment at any time.

## WARNING

To prevent risk of fire, keep *Alenti* away from heat sources. This product's seat and back rest material is not flame retardant.

## WARNING

To avoid *Alenti* from tipping, which can cause bodily injury, make sure *Alenti* is completely clear of all other devices, baths and furniture when they or *Alenti* are being raised or lowered. Special attention is required when *Alenti* is in close proximity with the bathtub.

## WARNING

This equipment is not suitable for use in the presence of flammable medical and /or anaesthetic gases due to a fire risk.

## WARNING

Some sub floor levelled drains, holes and slopes exceeding a ration of 1:50, can increase the risk of *Alenti* tipping which can cause bodily injury.

## WARNING

The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefor NEVER:

- dress/undress the resident,
  - leave the resident unattended or
  - transport the resident
- when in a high position.

Try to minimize the time that *Alenti* is used in a high position.

# Preparations

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## Actions before first use

- 1 Make sure to check the *Alenti* for transport damages.
- 2 Check that all parts of the product are supplied. Compare with the *Parts Designation* list in this IFU.  
If any part is missing or damaged - DO NOT use the product.
- 3 Read the IFU.
- 4 Unpack the battery charger and install it according to chapter *Battery and Battery Charger* in this IFU.
- 5 Charge the battery for 24 hours.
- 6 Perform a functionality test according to chapter *Care and Preventive Maintenance* in this IFU.
- 7 Clean the product according to chapter *Disinfection Instructions* in this IFU.
- 8 Find a dry area with good ventilation for storing the *Alenti*.
- 9 Choose a designated area where the IFU should be kept and is easily accessible at all times.
- 10 Make sure to have set up routines for assistance and rescue in case of a resident emergency.
- 11 If you have any questions, please contact your local ArjoHuntleigh representative for support and service. The contact information (*ArjoHuntleigh addresses*) is listed at the end of this IFU.

## Actions before every use

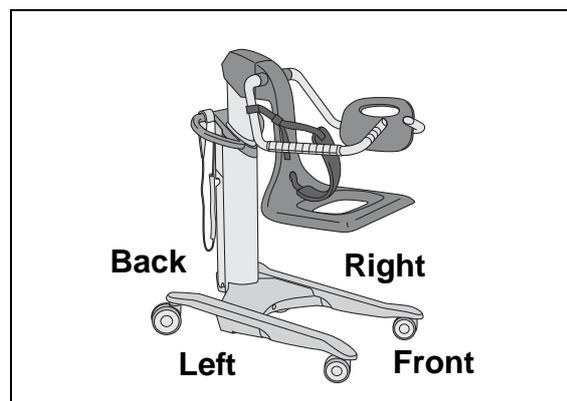
- 1 Check that all parts are in place. Compare with the *Parts Designation* list in this IFU.
- 2 Check for any damage on the product.
- 3 Make sure the battery is charged.

## Alenti directions

The driving direction during transport is according to the illustration below.



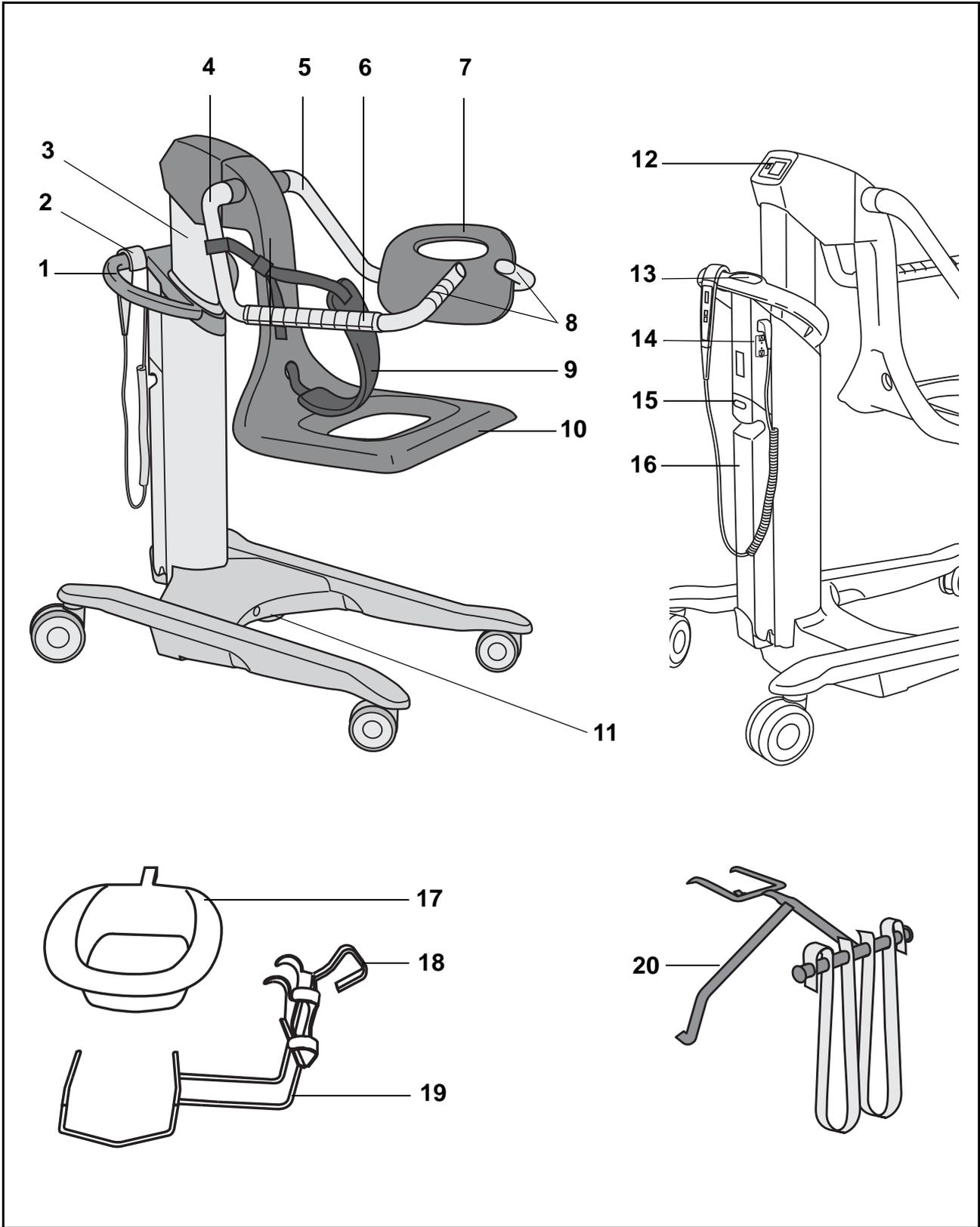
The directions *right*, *left*, *front* and *back* in this IFU are given below.



# Parts designation

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- 1 Positioning handle
- 2 Hand control
- 3 Lift pillar
- 4 Hand rest-handle arm
- 5 Back rest-handle arm
- 6 Hand rest
- 7 Back rest
- 8 Driving handles
- 9 Safety belt
- 10 Seat
- 11 Central Brakes
- 12 Scale (optional)
- 13 Control panel
- 14 Emergency High/Low
- 15 Battery release button (Emergency stop)
- 16 Battery
- 17 Bedpan (optional)
- 18 Bedpan holder handle (optional)
- 19 Bedpan holder (optional)
- 20 Leg support bar with straps (optional)



# Product description/function

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## Control panel

The control panel has four control buttons (see Fig. 1).

- Press the Raise button (up arrow) to raise *Alenti*.
- Press the Lower button (down arrow) to lower *Alenti*.
- Press the Brake button (dark red button with a P) to activate the brakes. A flashing LED light indicates when the brakes are active. The LED light will later turn itself off.
- Press the Brake Release button (green brake symbol) to release the brakes.

## Hand control

The hand control has an integrated hook which makes it easy to attach to various parts of *Alenti* (see Fig. 2).

- Unhook the hand control and hold it in your hand.
- Press the Raise button (up arrow) on the hand control in order to raise *Alenti*.
- Press the Lower button (down arrow) on the hand control in order to lower *Alenti*.
- Press the Brake button (dark red button with a P) to activate the brakes. A flashing LED light indicates when the brakes are active. The LED light will later turn itself off.
- Press the Brake Release button (green brake symbol) to release the brakes.

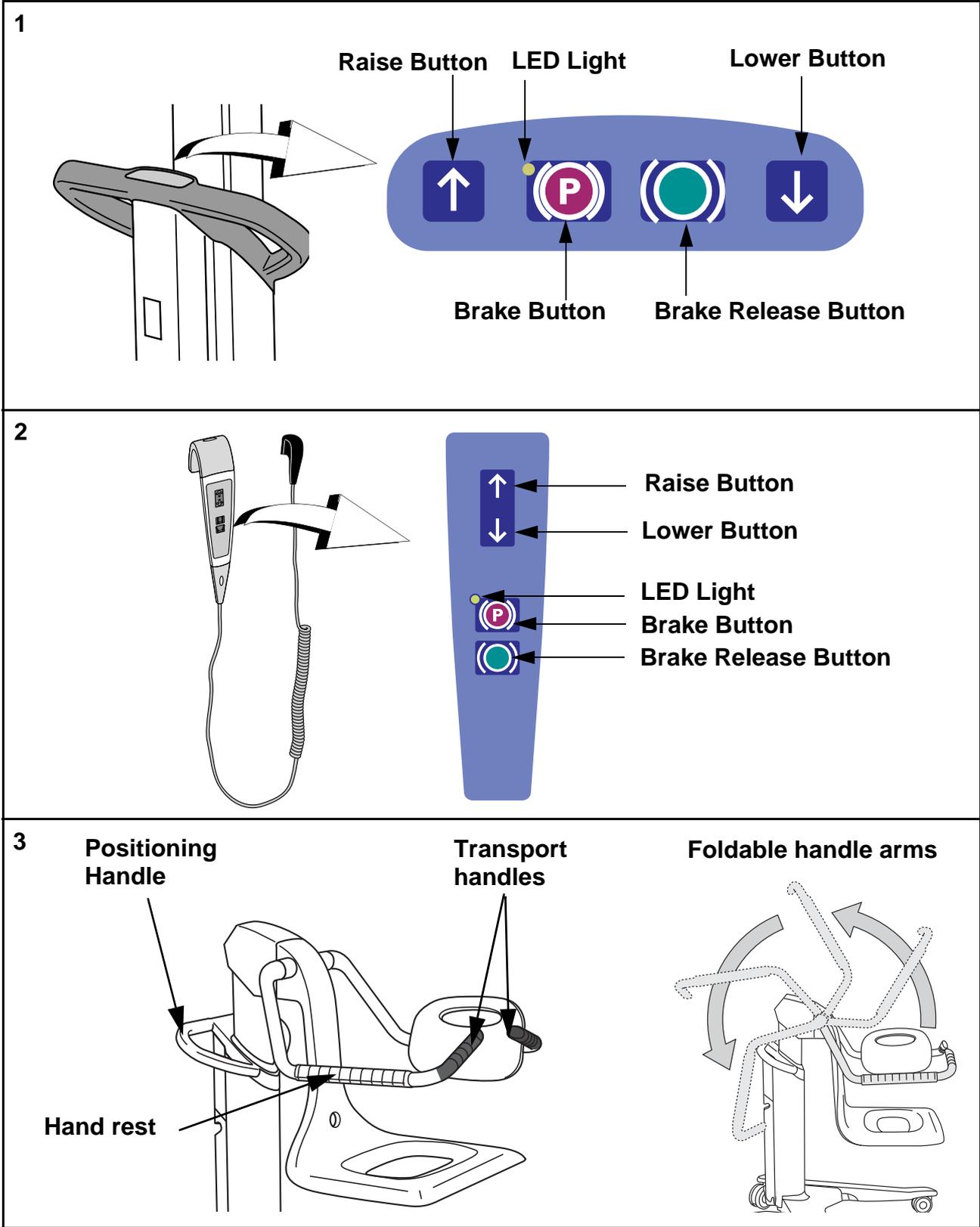
## Positioning handle, transport handles, hand rest and handle arms (see Fig. 3)

- Use the positioning handle for positioning *Alenti* near a bath or bed.
- Use the transport handles during transport.
- The hand rest is for the resident to hold on to with his or her hands. The hand rest is also used as an attachment for the back rest.
- The handle arms can be folded backwards during stationary transfers and during bath.

## Central brakes

The brakes are two cylinders, placed under the chassis, operated from the control panel or the hand control.

The brake action is achieved when the cylinders descend and make contact with the floor.



## Back rest

- The back rest can be attached on both hand rests.
- Attach the back rest by pressing it down on the hand rest (see Fig. 1A).
- Remove the back rest by pulling it upwards (see Fig. 1B).

Before placing the resident in the *Alenti*:

- Choose from which side of the bath the *Alenti* will be positioned.
- If *Alenti* will be positioned on the left side of the bath, place the back rest on the left hand rest.
- If *Alenti* will be positioned on the right side of the bath, place the back rest on the right hand rest.

## Emergency Stop

If, for any reason *Alenti* does not respond to the control buttons, you can stop lift movement by pressing the battery release button and pull it out (see Fig. 2A).

Contact your local ArjoHuntleigh representative before using the *Alenti* again.

## Automatic Safety Stop

To prevent getting pinches between *Alenti* and an object, *Alenti* is equipped with an automatic safety stop feature.

*Alenti* automatically stops when lowered on a fixed object.

## Emergency High/Low (2 steps)

If, for any reason, *Alenti* does not respond to the control buttons, it is possible to raise or lower *Alenti* by using the Emergency High/Low.

- 1 Unplug the hand control (see Fig. 3).
  - 2 Press a blunt, thin object (i.e. a pen) into one of the holes in the panel (see Fig. 4).
- Press it into the hole under the “up arrow” in order to raise *Alenti*.
  - Press it into the hole above the “down arrow” in order to lower *Alenti*.

Contact your local ArjoHuntleigh representative before using *Alenti* again.

### CAUTION

**Do not use an object with a sharp tip when pressing into the holes, it can damage the emergency High/Low.**

### NOTE

The emergency High/Low overrides important safety functions such as the automatic safety stop.  
The emergency High/Low shall only be used when both the control panel and hand control are out of order.

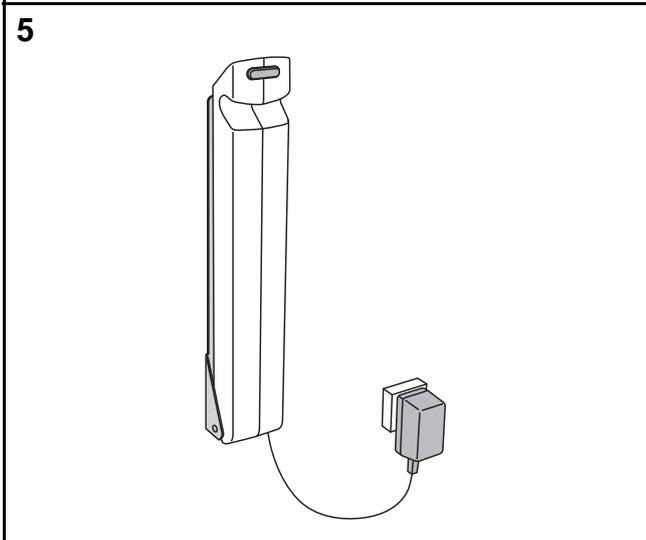
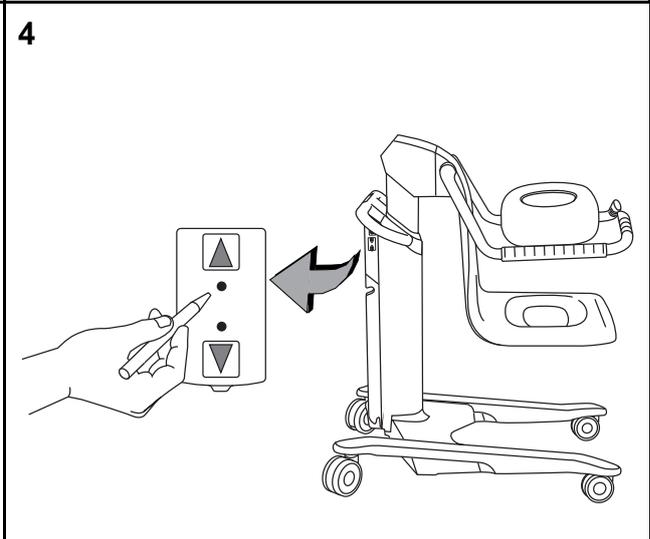
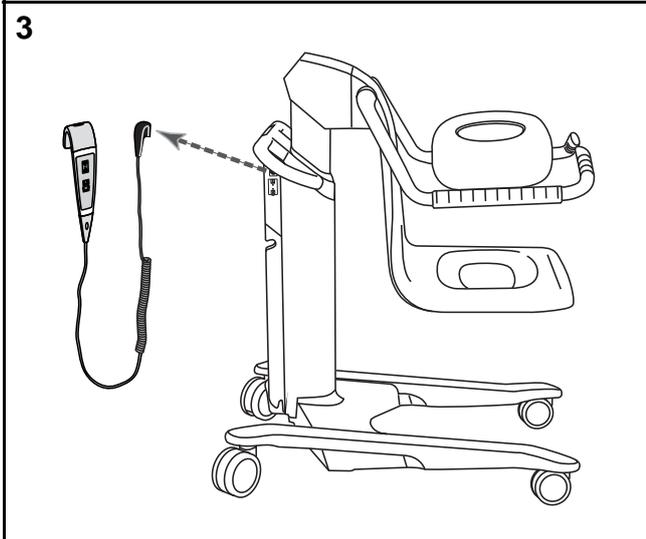
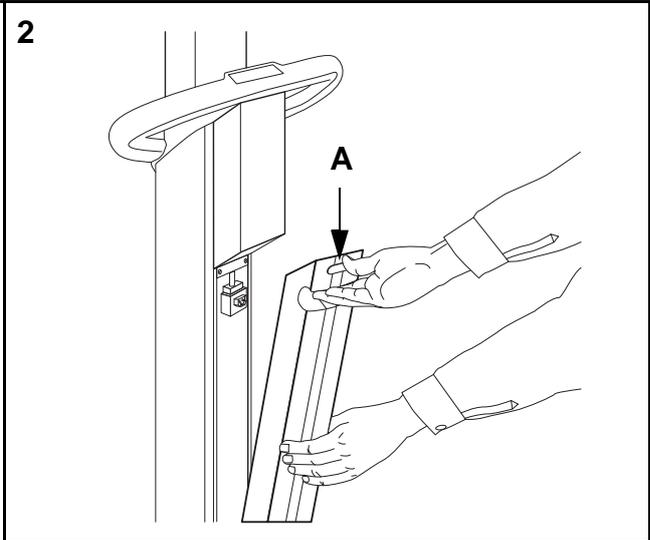
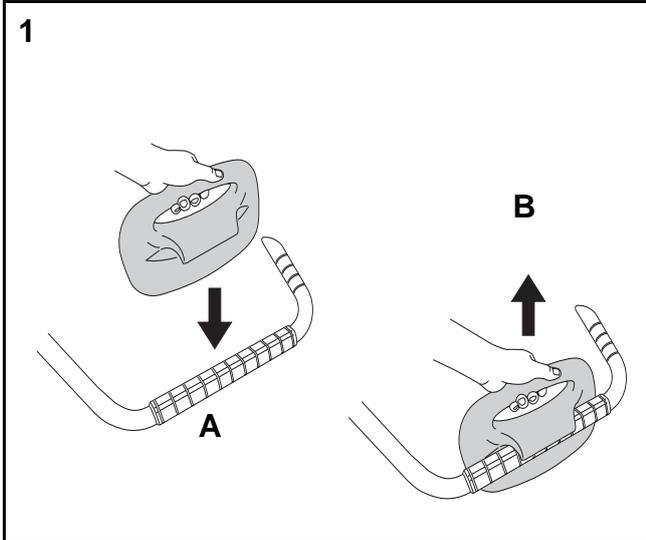
### NOTE

A continuous beeping sound is heard during the emergency “up” and “down” movement.

## Battery charger

Attach the battery charger to a suitable wall and connect it to a wall socket (see Fig. 5).

For charge installation, see chapter, *Battery and Battery Charger*



# Accessory description

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## Scale (optional)

The scale is located on the *Alenti* lift pillar (see **Fig. 1**).

To use the scale, see chapter, *Scale Display/Labels/Calibration* and chapter, *Using the Scale*.

## Bedpan and bedpan holder (optional)

### **WARNING**

**To avoid bodily injury, ALWAYS visually ensure that male genitals do not slide under the seat and get pinched during movements in or over the tub, toilet, bedpan and other furniture.**

- Fit the bedpan into the holder (see **Fig. 2**).
- The bedpan holder fits onto the back of the seat of *Alenti* (see **Fig. 3**).
- Fold up the bedpan holder handle in to a locked position (see **Fig. 4**).

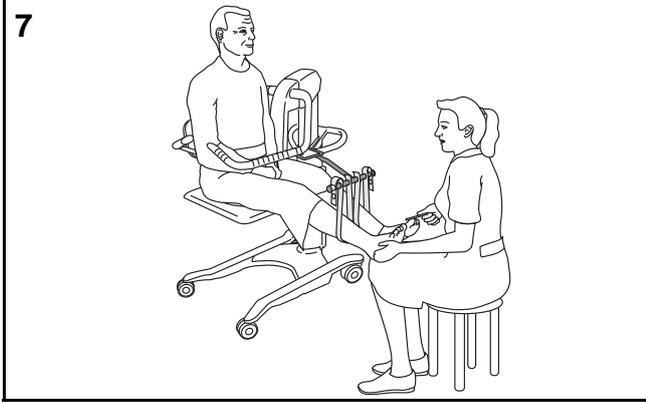
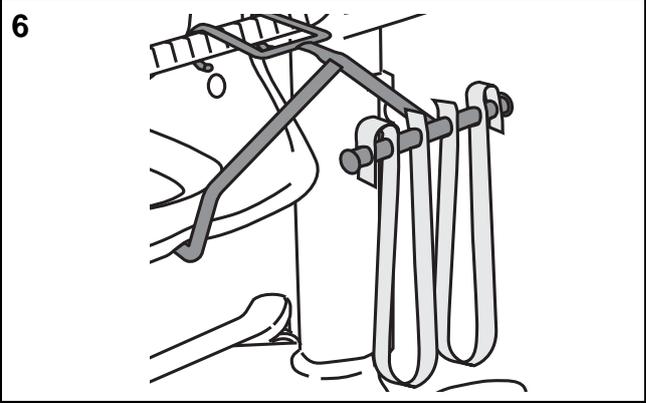
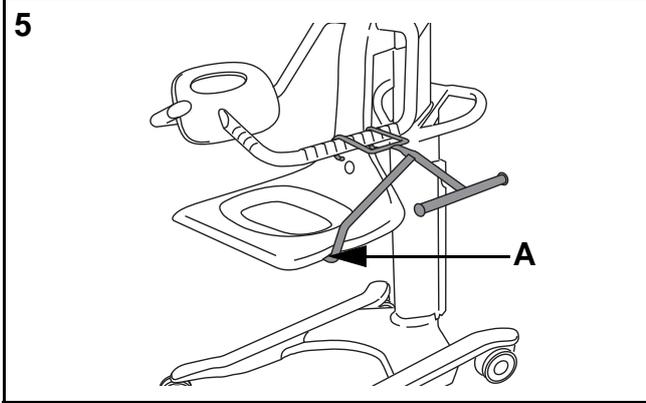
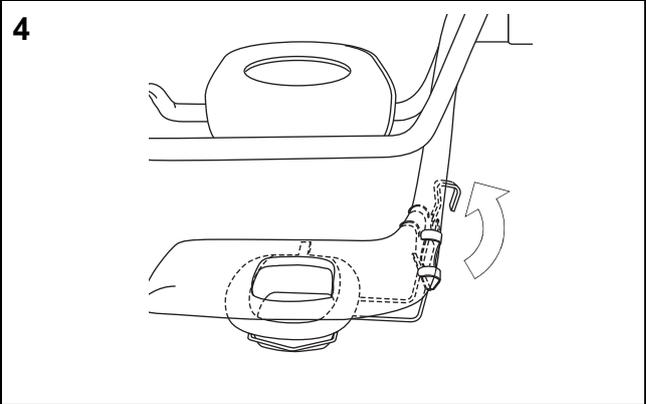
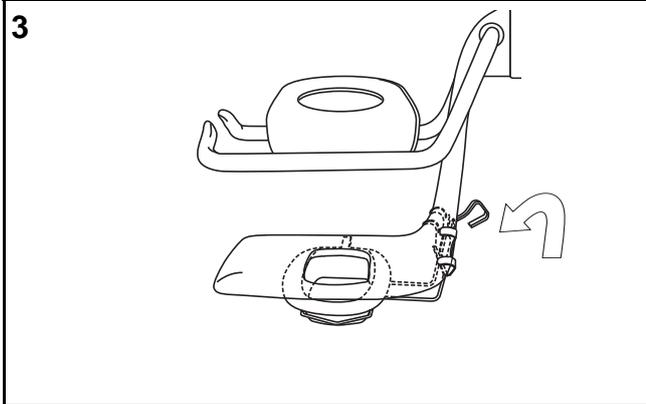
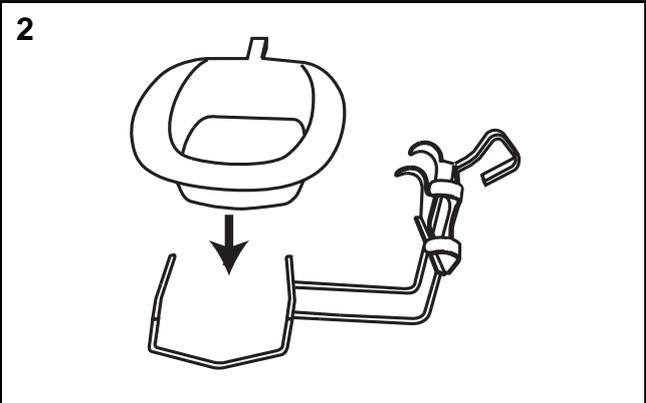
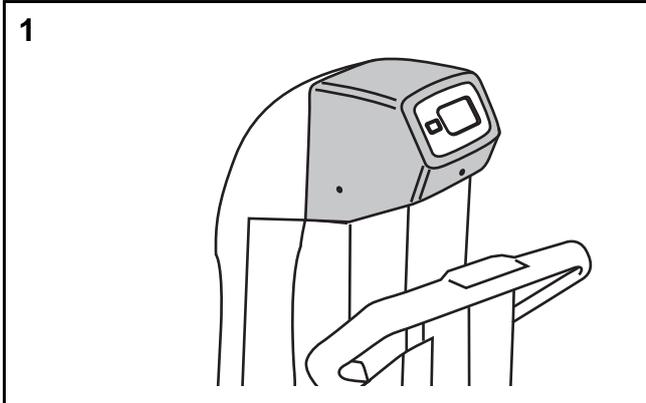
## Leg support (optional)

The leg support assists caregivers when providing foot care to a resident seated in an *Alenti*.

- Attach the leg support to the hand rest and the bar between the resident's legs, against the flat rim under the seat (see **Fig. 5 A**).
- Thread the straps plastic fasteners onto the bar according to the illustration (see **Fig. 6**).
- All foot care provided to a resident while on *Alenti* must be performed with *Alenti* in a lowered position.
- To avoid back strain, we recommend that the caregiver sits down while performing the foot care (see **Fig.7**).
- The height of the legs can be adjusted by using a series of holes in the straps attached to the leg support bar.

When adjusting the straps make sure that:

- the resident's legs are in an ergonomic height for the sitting caregiver and
- the resident is comfortable.



# Safety Belt

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## Safety belt (10 steps)

### Use the safety belt at all times.

Exceptions can be made while resident is securely positioned in the bathtub and during stationary transfers to and from an *Alenti*.

The safety belt helps the resident stay positioned properly on the seat.

Always inspect the safety belt before use, to make sure it is in good condition, without any loose threads, tears or other defects.

Always attach the safety belt before the resident is seated in the *Alenti*.

- 1 Attach the back rest.
- 2 Insert the end plate of the safety belt through the small hole in the seat (see **Fig. 1**).
- 3 Attach the safety belt clip on the upper part of the hand rest-handle arm (see **Fig. 2**).
- 4 Fold back the hand rest-handle arm (see **Fig. 3**).
- 5 Position the resident on the seat and fold the hand rest-handle arm forward.
- 6 The resident's hands should be placed on the hand rest.
- 7 Take of the safety belt clip from the hand rest-handle arm and place the belt around the resident's waist (see **Fig. 4**).
- 8 Fasten the safety belt clip to the back rest-handle arm (see **Fig. 5**).
- 9 Tighten the safety belt (see **Fig. 6**).

## 10 **WARNING**

**To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:**

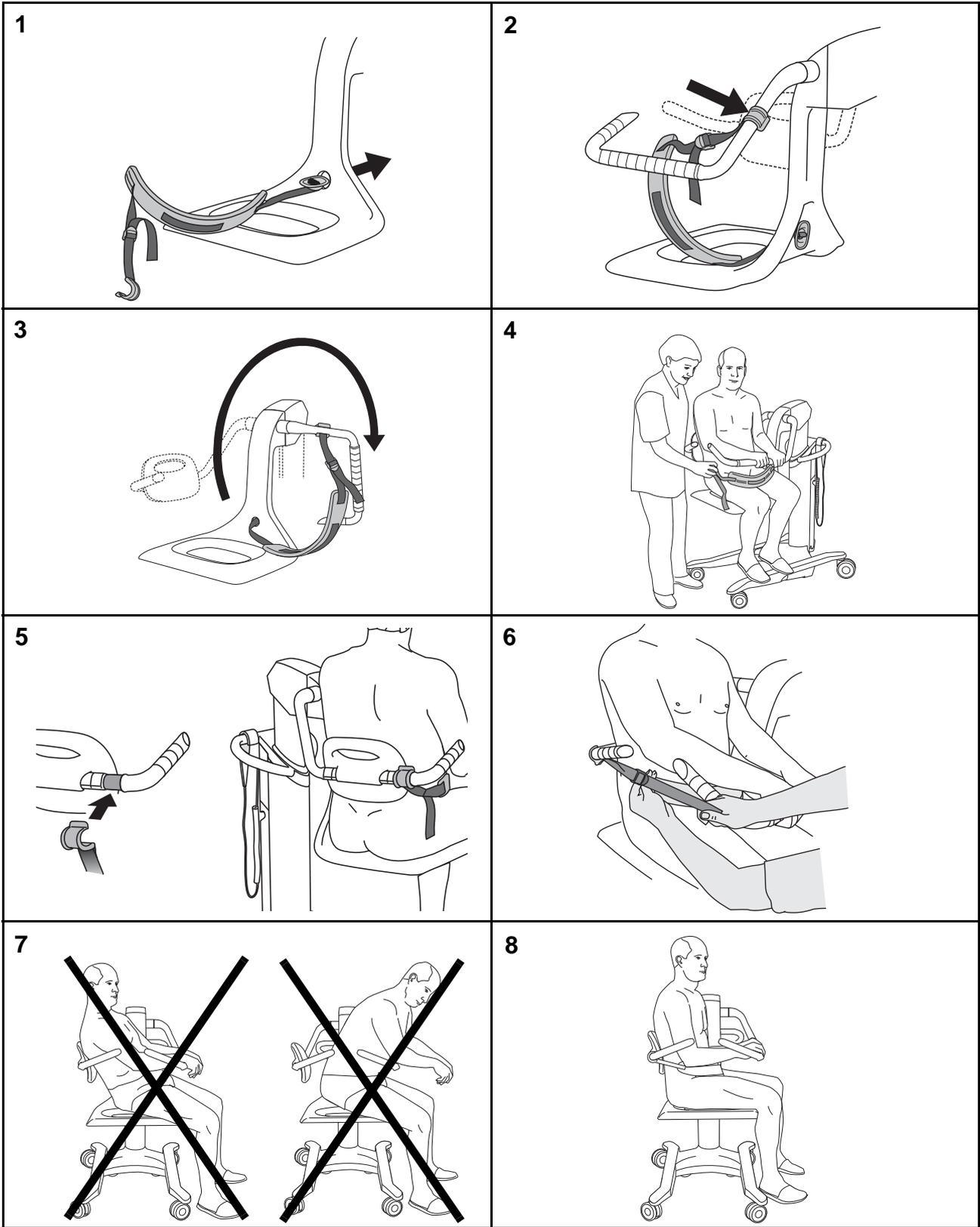
- **the safety belt is secured at all times,**
- **the resident is positioned correctly on the *Alenti* and**
- **the handle arms are folded down.**

Make sure the resident is in an upright position in the centre of the seat with his or her:

- buttocks at the back of the seat,
- back against the back rest and
- hands on the hand rest (see **Fig. 7 and 8**).

## **NOTE**

When the safety belt is not in use, attach the safety belt clip on the hand rest-handle arm (see **Fig. 2**).



# Transfer the resident

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## WARNING

To avoid risk of injury, ensure the resident keeps his or her hands on the hand rest when raising and lowering *Alenti*, as well as during transport.

Always pay close attention to the resident during transfers, transport and bathing.

## WARNING

To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:

- the safety belt is secured at all times,
- the resident is positioned correctly on the *Alenti* and
- the handle arms are folded down.

**Before** the resident is transferred to an *Alenti*, ensure that:

- the back rest is attached to the correct side of *Alenti*,
- the safety belt is mounted on *Alenti*,
- the resident is undressed and covered. If using a robe, put it on front to back (opening towards resident's back) and
- the resident is in a correct sitting position.

**After** each use, disinfect *Alenti* to prevent cross-contamination. See chapter, *Disinfection Instructions*.

## From a standing position (11 steps)

- 1 Activate the brakes on *Alenti* and ensure that they are locked.
- 2 Fold back the hand rest-handle arm.
- 3 Adjust the height of *Alenti* so that the height of the seat is levelled with the back of the resident's knees (see Fig. 1).
- 4 Have the resident back up to the *Alenti* and feel the chassis gently against his or her hollow of the knees.

- 5 Help the resident to sit down.
- 6 Fold forward hand rest-handle arm so that the resident can hold on to it.
- 7 Make sure the resident is in an upright position in the centre of the seat with his or her:
  - buttocks at the back of the seat,
  - back against the back rest and
  - hands on the hand rest (see Fig. 2).
- 8 Secure the resident with the safety belt (see Fig. 2).

## 9 WARNING

The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefore NEVER:

- dress/undress the resident,
- leave the resident unattended or
- transport the resident when in a high position.

Try to minimize the time that *Alenti* is used in a high position.

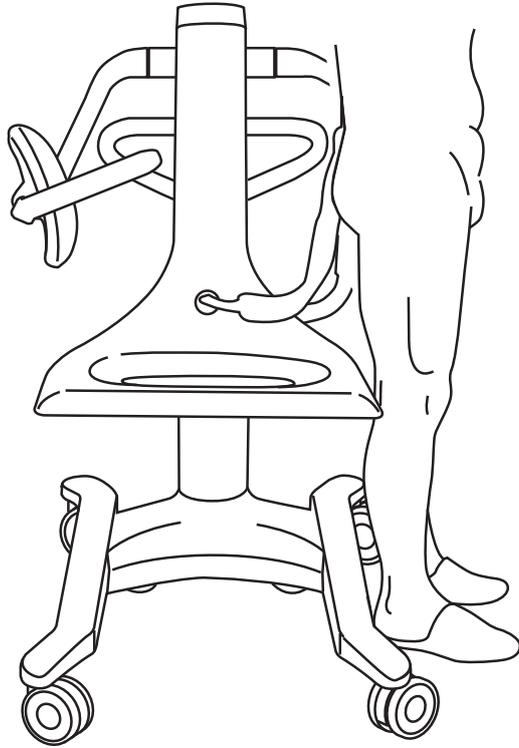
Adjust *Alenti* to an ergonomic height for the caregiver and safe for moving the resident.

- 10 Release the brakes.
- 11 Transport the resident and *Alenti* to the bath using the transport handles.

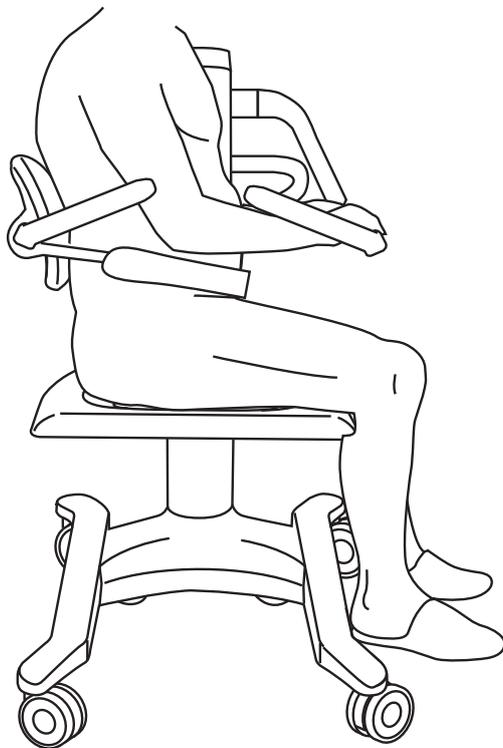
## To a standing position (4 steps)

- 1 Lower *Alenti* until the resident's feet are in contact with the floor.
- 2 Activate the brakes on *Alenti* and ensure that they are locked.
- 3 Fold back the hand rest-handle arm, away from the resident.
- 4 Release the safety belt, attach the safety belt clip to the hand rest-handle arm and help the resident to stand up.

1



2



## From a Standing And Raising Aid (14 steps)

ArjoHuntleigh has compatible standing and raising aids that can be used with the *Alenti*. They are *Sara 3000* and *Sara Plus*.

- 1 Fold back the *Alenti* hand rest-handle arm.
- 2 Position the standing and raising aid with the resident in front of the *Alenti* seat.
- 3 Make sure *Alenti* is as close as possible to the standing and raising aid, with the resident's back towards the *Alenti* seat (see Fig.1).
- 4 Activate the brakes on *Alenti* and ensure that they are locked.
- 5 Lower the resident until he or she is sitting on the *Alenti* seat (see Fig. 1).
- 6 Unhook the sling.
- 7 Fold forward the *Alenti* hand rest-handle arm so that the resident can hold on to it.
- 8 Raise *Alenti* until the resident's feet are free from the standing and raising aid.
- 9 Remove the sling from the resident.

10 **WARNING**

**To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:**

- the safety belt is secured at all times,
- the resident is positioned correctly on the *Alenti* and
- the handle arms are folded down.

Make sure the resident is in an upright position in the centre of the seat with his or her:

- buttocks at the back of the seat,
  - back against the back rest and
  - hands on the hand rest.
- 11 Secure the resident with the safety belt.

- 12 Remove the standing and raising aid.

13 **WARNING**

**The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefore NEVER:**

- dress/undress the resident,
- leave the resident unattended or
- transport the resident when in a high position.

**Try to minimize the time that *Alenti* is used in a high position.**

Adjust *Alenti* to an ergonomic height for the caregiver and safe for moving the resident (see Fig. 2).

- 14 Release the *Alenti* brakes.

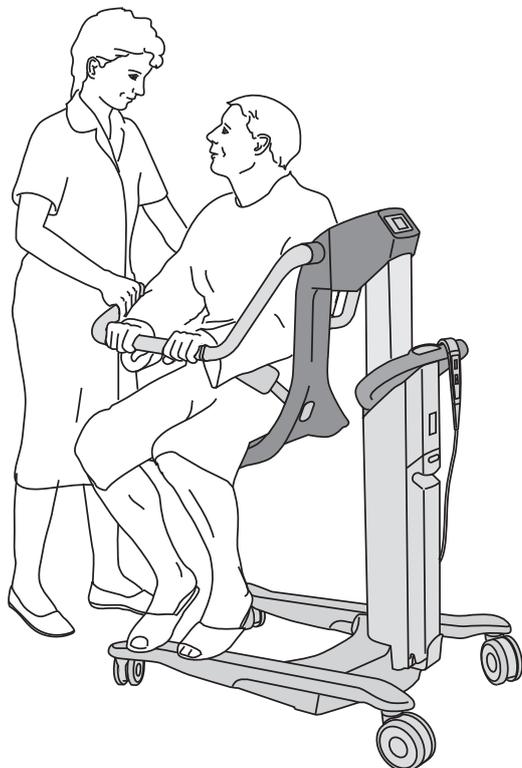
## To a Standing And Raising Aid (11 steps)

- 1 Lower the *Alenti*.
- 2 Face resident towards the standing and raising aid.
- 3 Leave the *Alenti* brakes unlocked.
- 4 Activate the brakes on the standing and raising aid.
- 5 Fold back the *Alenti* hand rest-handle arm, away from the resident.
- 6 Position the resident's feet onto the standing and raising aid foot support.
- 7 Remove the safety belt and attach the safety belt clip to the hand rest-handle arm.
- 8 Put the sling around the resident.
- 9 Attach the sling to the standing and raising aid.
- 10 Gently raise the standing and raising aid (see Fig. 1).
- 11 Release the brakes of the standing and raising aid and slowly move it and the resident away from the *Alenti*.

1



2



### From wheelchair (10 steps)

*Alenti* is compatible with most generic wheelchair models.

For a resident to be able to move from a wheelchair to *Alenti* and vice versa, the resident must be strong enough to move himself or herself sideways and/or be able to stand up (see Fig. 1).

#### **WARNING**

**Apply the brakes on both *Alenti* and the wheelchair during the transfer to avoid bodily injury.**

- 1 Apply the brakes on the wheelchair.
- 2 Fold back the *Alenti* hand rest-handle arm.
- 3 Position and lower the *Alenti* seat so that it is lower than the wheelchair seat (see Fig. 1).
- 4 Activate the brakes on *Alenti* and ensure that they are locked.
- 5 The resident can now move himself or herself from the wheelchair to *Alenti*.
- 6 Fold forward the *Alenti* hand rest-handle arm so that the resident can hold on to it.

7

#### **WARNING**

**To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:**

- the safety belt is secured at all times,
- the resident is positioned correctly on the *Alenti* and
- the handle arms are folded down.

Make sure the resident is in an upright position in the centre of the seat with his or her:

- buttocks at the back of the seat,
  - back against the back rest and
  - hands on the hand rest (see Fig. 2).
- 8 Secure the resident with the safety belt.

9

#### **WARNING**

**The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefore NEVER:**

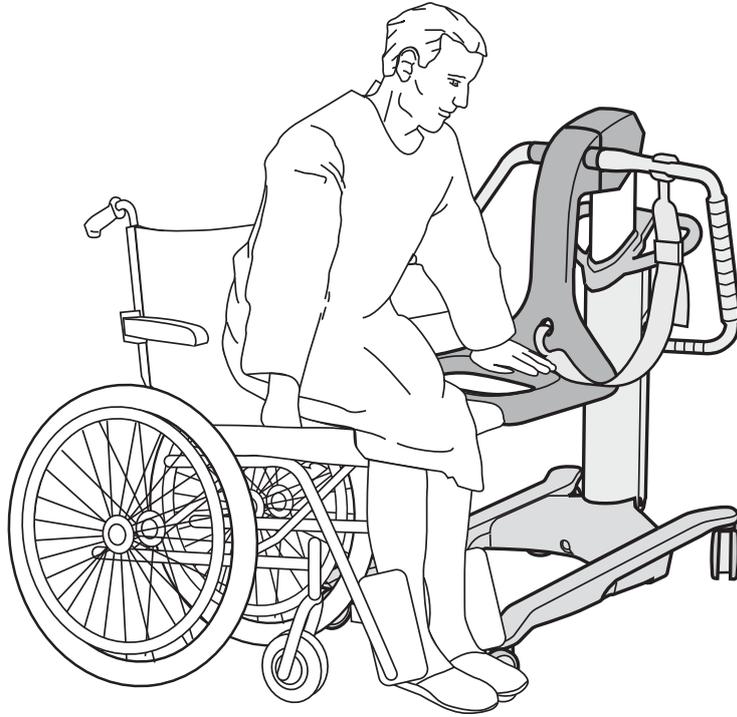
- dress/undress the resident,
- leave the resident unattended or
- transport the resident when in a high position.

**Try to minimize the time that *Alenti* is used in a high position.**

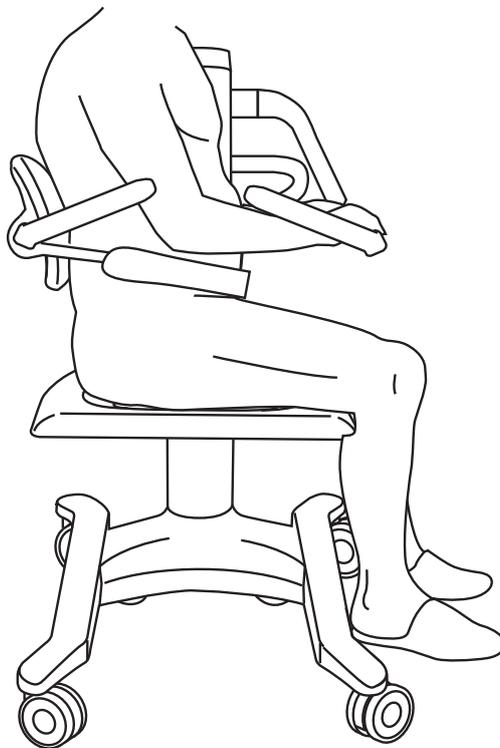
Adjust *Alenti* to an ergonomic height for the caregiver and safe for moving the resident.

- 10 Release the *Alenti* brakes.

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### To a wheelchair (6 steps)

- 1 Position *Alenti*'s front towards the side of the wheelchair (see **Fig. 1**).
- 2 Adjust *Alenti* to an appropriate height for the transfer. In some cases, it's easier to transfer if the *Alenti* seat is higher than the wheelchair seat.
- 3 Activate the brakes on both *Alenti* and the wheelchair.
- 4 Take off the safety belt and attach the safety belt clip to the hand rest-handle arm.
- 5 Fold back the hand rest-handle arm, away from the resident.
- 6 The resident can now transfer seats from *Alenti* to the wheelchair (see **Fig. 1**).

### To the toilet (3 steps)

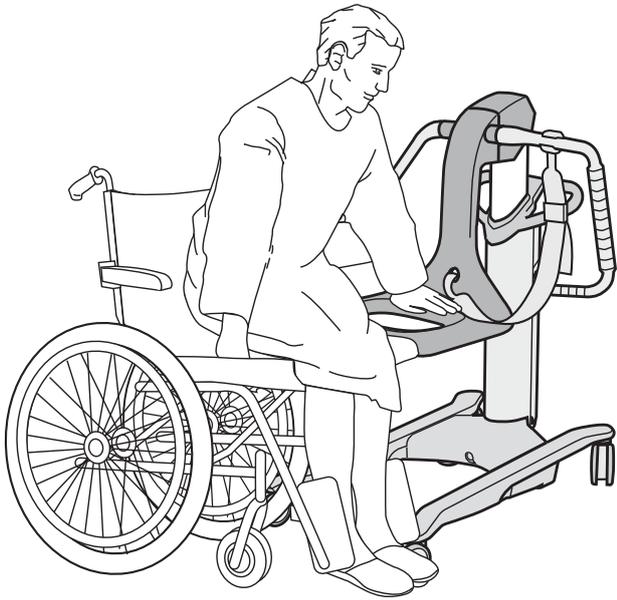
#### **WARNING**

**ALWAYS visually ensure that male genitals do not slide under the seat and get pinched. Observe movements over tub edge, toilet, bedpan and other furniture.**

*Alenti* can be used regardless of whether the toilet is attached to the wall or to the floor. (see **Fig. 2**).

- 1 Position *Alenti*'s front directly over the toilet bowl (see **Fig. 3**).
- 2 Lower the *Alenti* seat and activate the brakes.
- 3 Make sure to disinfect *Alenti* after each use to prevent cross-contamination (see **Fig. 4**). See chapter, *Disinfection Instructions*.

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4



### From bed - sitting (11 steps)

*Alenti* is compatible with most generic hospital beds with a clearance of 150 mm (5 7/8”).

For the resident to be able to move directly from the bed to *Alenti* and vice versa, the resident must be strong enough to move himself or herself sideways and/or be able to stand up.

#### **WARNING**

**Apply the brakes on both *Alenti* and the bed during the transfer to avoid bodily injury.**

- 1 Make sure that the wheel brakes on the bed are locked.
- 2 Let the resident sit upright on the side of the bed.
- 3 Fold back the *Alenti* hand rest-handle arm, away from the resident.
- 4 Position *Alenti*'s front towards the side of the bed and with the *Alenti* seat lower than the bed (see Fig. 1).
- 5 Activate the brakes on *Alenti* and ensure that they are locked.
- 6 Let the resident move himself or herself from bed to the *Alenti* (see Fig. 2).
- 7 Fold forward the hand rest-handle arm so that the resident can hold on to it.

#### **WARNING**

**To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:**

- the safety belt is secured at all times,
- the resident is positioned correctly on the *Alenti* and
- the handle arms are folded down.

Make sure the resident is in an upright position in the centre of the seat with his or her:

- buttocks at the back of the seat,
  - back against the back rest and
  - hands on the hand rest.
- 9 Secure the resident with the safety belt.
  - 10 Release the *Alenti* brakes and move the *Alenti* away from the bed.

#### **11 WARNING**

**The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefore NEVER:**

- dress/undress the resident,
- leave the resident unattended or
- transport the resident when in a high position.

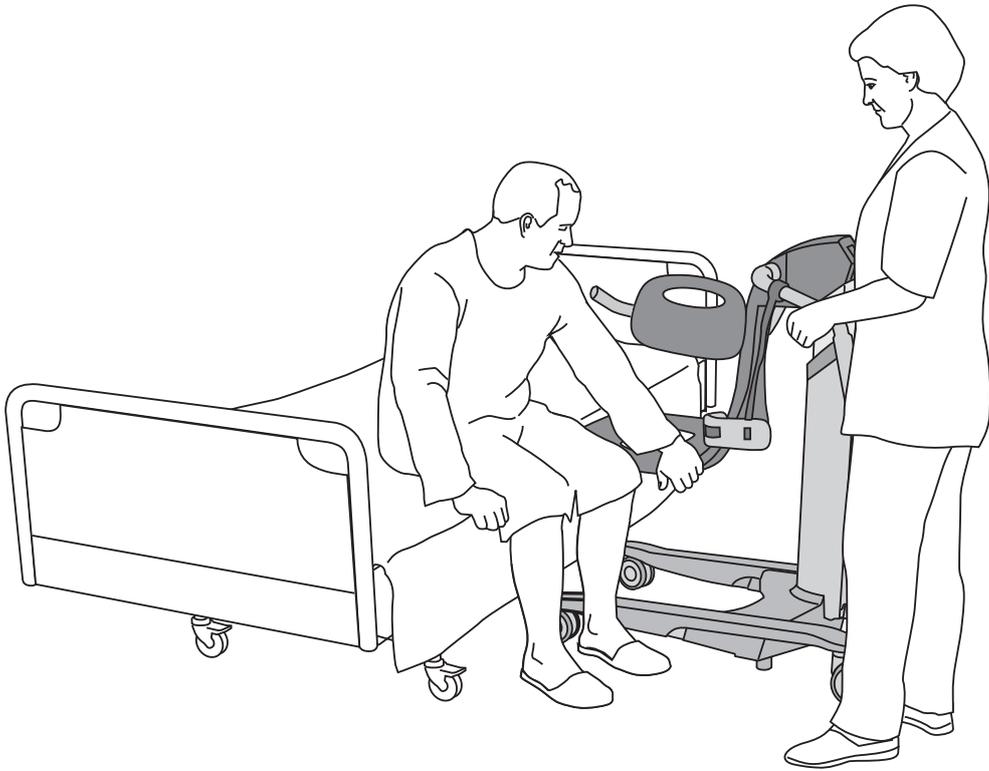
**Try to minimize the time that *Alenti* is used in a high position.**

Adjust *Alenti* to an ergonomic height for the caregiver and safe for moving the resident.

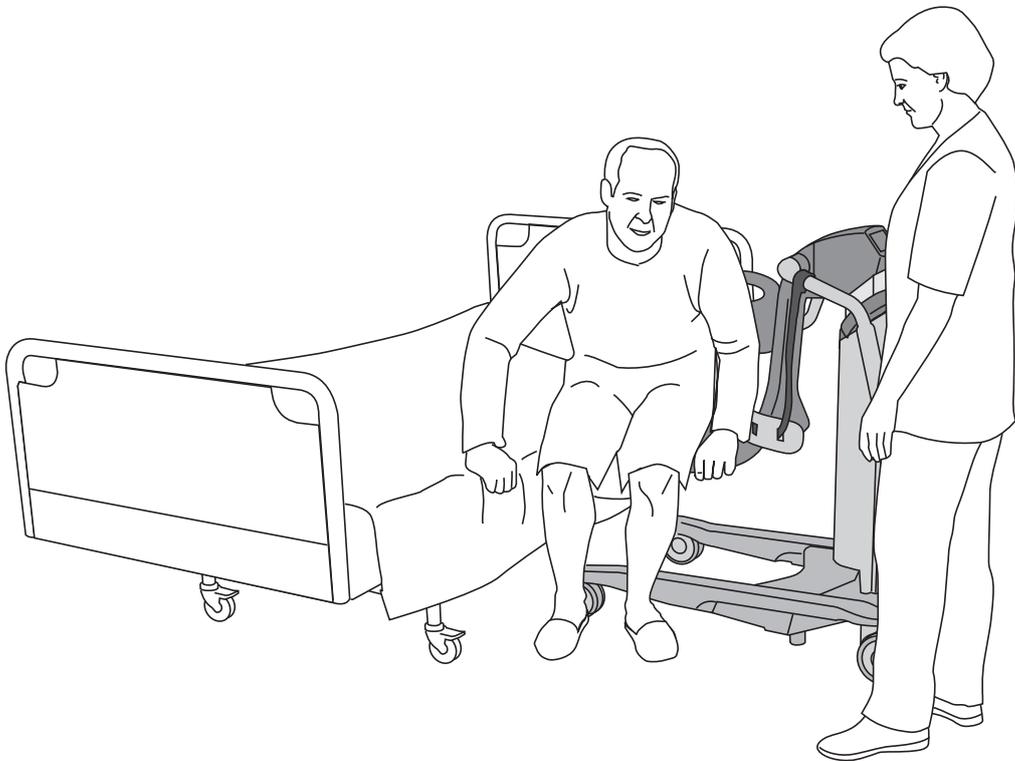
### To bed - sitting (8 steps)

- 1 Adjust *Alenti* to an appropriate height for the transfer. In some cases, it's easier to transfer if the *Alenti* seat is a little bit higher than the bed.
- 2 Position *Alenti* so that its front is facing the side of the bed (see Fig. 1).
- 3 Active the brakes on *Alenti* and ensure that they are locked.
- 4 Apply the wheel brakes on the bed.
- 5 Take of the safety belt and attach the safety belt clip to the hand rest-handle arm.
- 6 Fold back the hand rest-handle arm, away from the resident.
- 7 Let the resident move himself or herself to bed from the *Alenti* (see Fig. 2).
- 8 Make sure the resident sits upright at the side of the bed before *Alenti* is pulled away.

1



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### From bed - laying down (19 steps)

*Alenti* is compatible with most generic hospital beds with a clearance of 150 mm (5 7/8”).

#### **WARNING**

**Apply the brakes on both *Alenti* and the bed during the transfer to avoid bodily injury.**

- 1 Apply the wheel brakes on the bed.
- 2 Drop the bed rail and turn the resident onto his or her side away from *Alenti* (see Fig. 1).
- 3 Fold back both handle arms to clear the area above the *Alenti* seat
- 4 Position *Alenti*'s front over the bed, so the *Alenti* seat is on top of the bed, as close to the resident as possible (see Fig. 1).
- 5 Lower the seat so that it presses firmly against the bed.
- 6 Activate the brakes on *Alenti* and ensure that they are locked.
- 7 Turn the resident onto his or her back and ensure that he or she is positioned correctly on the seat.
- 8 Fold forward the hand rest-handle arm so that the resident can hold on to it.
- 9 Help the resident to sit upright, either manually or by raising the head end of the bed (see Fig. 2).
- 10 Lean the resident forward.
- 11 Fold forward the back rest-handle arm and make sure it is behind the resident's back for support.

#### 12 **WARNING**

**To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:**

- the safety belt is secured at all times,
- the resident is positioned correctly on the *Alenti* and
- the handle arms are folded down.

Make sure the resident is in an upright position in the centre of the seat with his or her:

- buttocks at the back of the seat,
  - back against the back rest and
  - hands on the hand rest.
- 13 Secure the resident with the safety belt.
  - 14 Raise the *Alenti* seat to a height enough to move *Alenti* away from the bed.
  - 15 Release the *Alenti* brakes.
  - 16 Pull the *Alenti* away from the bed while supporting the resident's legs (see Fig. 3).
  - 17 Make sure *Alenti* is completely clear from the bed and other devices.
  - 18 Adjust *Alenti* to an ergonomic height for the caregiver and safe for moving the resident.

#### 19 **WARNING**

**The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefore NEVER:**

- dress/undress the resident,
- leave the resident unattended or
- transport the resident when in a high position.

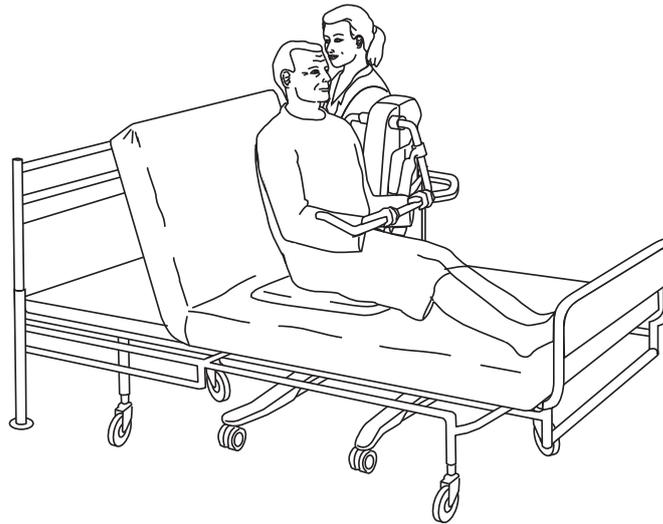
**Try to minimize the time that *Alenti* is used in a high position.**

The resident should keep his or her hands on the hand rest.

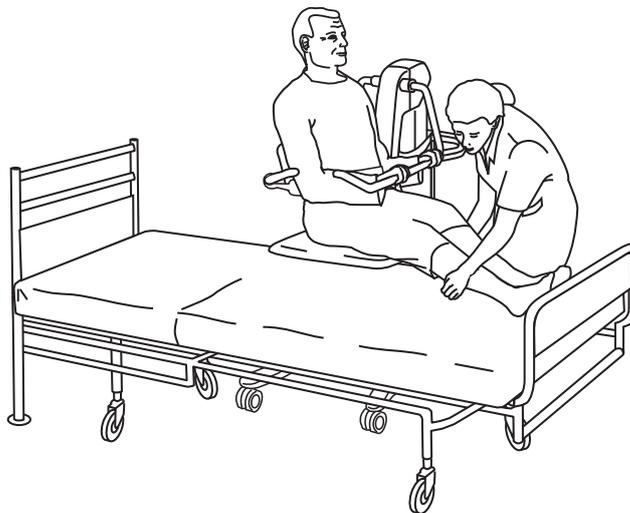
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## To bed - laying down (19 steps)

### **WARNING**

**Apply the brakes on both *Alenti* and the bed during the transfer to avoid bodily injury.**

- 1 Drop the bed rail and apply the wheel brakes on the bed.
- 2 Place a towel on the bed to avoid making the bed wet from the *Alenti* seat, if coming from a bath.
- 3 Adjust the *Alenti* height to where the seat and genitals clears the bed.
- 4 Move the front of *Alenti* over the bed and grab the resident's legs and lift them onto the bed (see Fig. 1).
- 5 Active the *Alenti* brakes and ensure that they are locked.

### **WARNING**

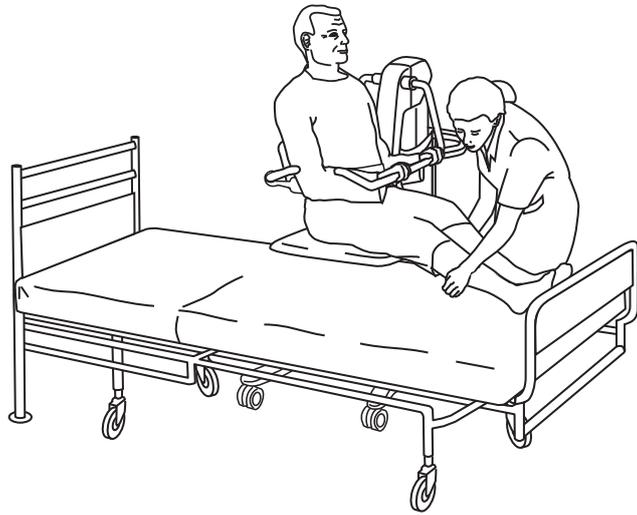
**To avoid any bodily injuries, make sure none of the resident's body parts (e.g genitals) get trapped under the *Alenti* seat.**

Lower *Alenti* so that the seat gets pressed firmly on the bed. **Make sure no body parts get pinched between the seat and bed.**

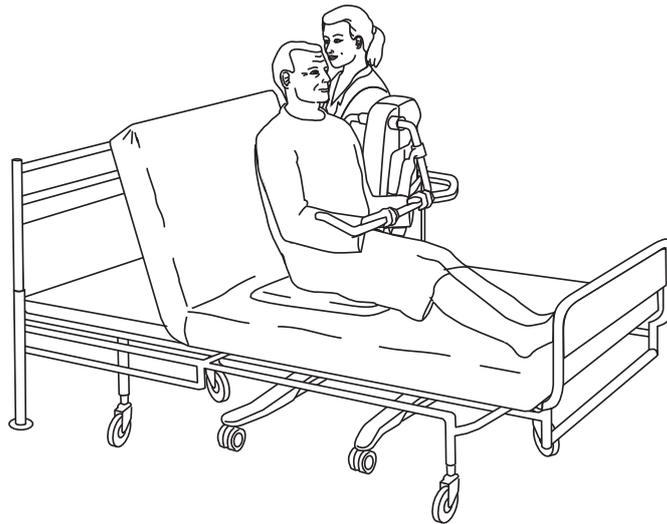
- 7 If needed, raise the head end of the bed to support the resident's back (see Fig. 2).
- 8 Take of the safety belt and attach the safety belt clip to the hand rest-handle arm.
- 9 Lean the resident forward and place the resident's hands on the hand rest.
- 10 Fold back the back rest-handle arm, away from the resident.

- 11 Assist the resident to lean back against the bed.
- 12 Fold back the hand rest-handle arm.
- 13 If the head end of the bed has been raised, lower it back down.
- 14 Make sure the resident lays down flat on the bed before turning him or her to their side away from *Alenti* and its seat (see Fig. 3).
- 15 Raise the *Alenti* seat to separate it from the bed.
- 16 Release the *Alenti* brakes.
- 17 Move the *Alenti* away from bed.
- 18 Roll the resident from the side to his or her back.
- 19 Pull the bed rail up.

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# Bathing

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## To bath (10 steps)

### WARNING

To avoid *Alenti* from tipping which can cause bodily injury, never leave the resident unattended at any time. Ensure that the resident does not pull or hold on to stable objects such as grab rails, sinks or other equipment at any time.

### WARNING

To avoid *Alenti* from tipping which can cause bodily injury, make sure *Alenti* is completely clear of all other devices, baths and furniture when they or *Alenti* are being raised or lowered. Special attention is required when *Alenti* is in close proximity with the bathtub.

*Alenti* is compatible with the ArjoHuntleigh System 2000 bath range and Century baths from year 2004 and up.

- 1 Lower the bath to its lowest position.
- 2 Adjust *Alenti* height to where the seat and genitals clears the tub rim. When adjusting the *Alenti* height make sure there is sufficient sideways clearance between the *Alenti* and the bathtub.
- 3 Position *Alenti* diagonally to the head end of the bath (see Fig. 1).

### 4 WARNING

To avoid any bodily injuries; before moving the resident over and into the bathtub, make sure there is enough clearance between tub rim and chair for resident's body parts (e.g genitals).

Help the resident to move his or her legs over the tub rim while rotating *Alenti* in position (see Fig. 2).

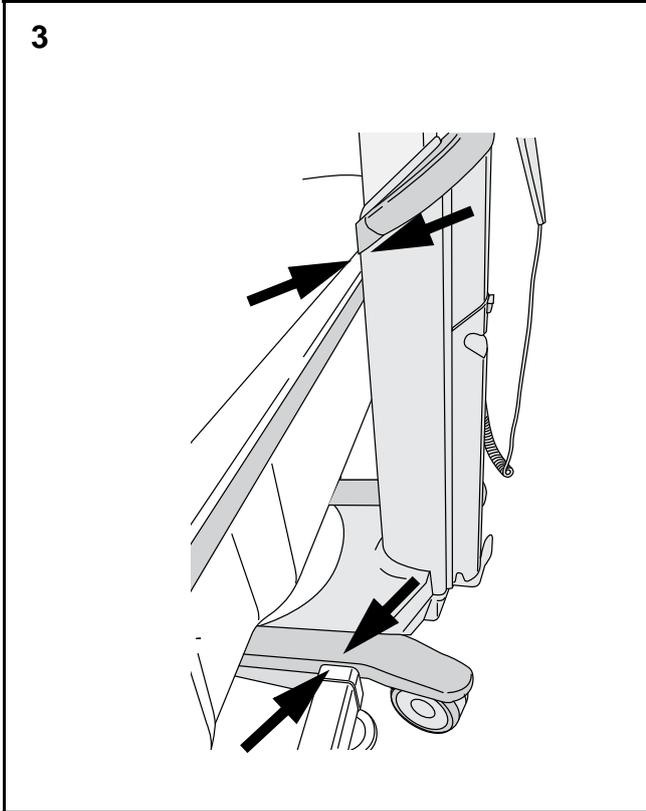
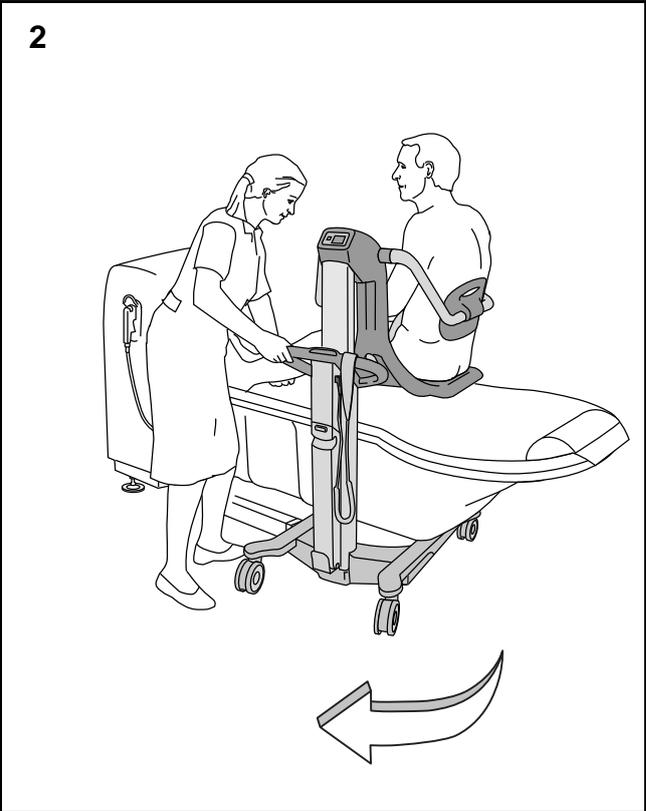
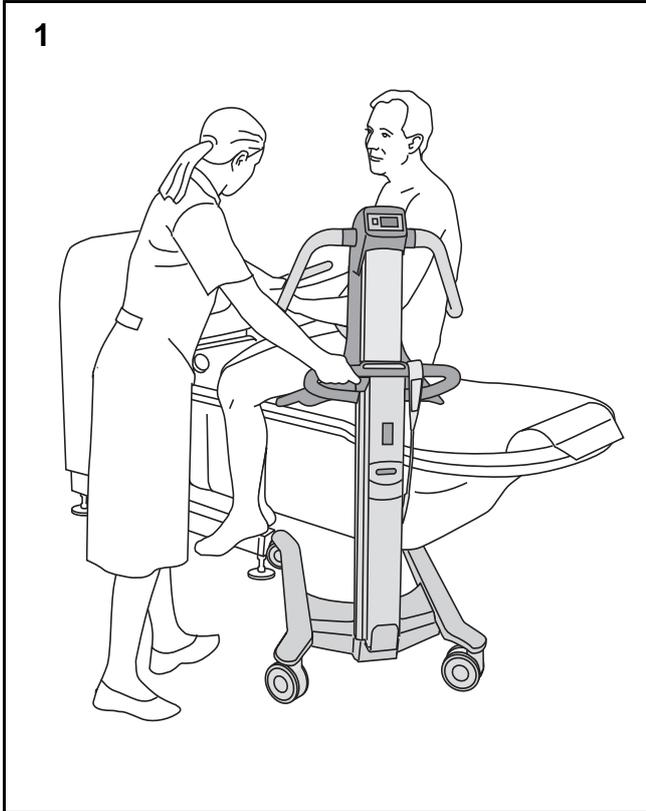
- 5 Let the resident feel the water with his or her feet. Adjust the temperature, if needed.
- 6 Centre *Alenti* over the tub until it reaches a stop against the bath. Make sure *Alenti* is docked against the bath leg and the tub rim (see Fig. 3).
- 7 Adjust *Alenti* to an ergonomic working height.

### 8 WARNING

To avoid any bodily injuries, make sure none of the resident's body parts (e.g genitals) get trapped under the *Alenti* seat.

Raise the bath, but **make sure no body parts get pinched between the bottom of the bath and the seat.**

- 9 If the resident desires and is capable, there is the option of folding away the back rest-handle arm by:
  - releasing the safety belt and attaching the safety belt clip to the hand rest-handle arm,
  - leaning the resident forward and placing his or her hands on the hand rest and
  - then folding back the back rest-handle arm, away from the resident, thus allowing the resident to lean back against the tub and bath pillow (see Fig. 4).
- 10 Bathe the resident.



## From bath (16 steps)

- 1 After bathing, open the drain.
- 2 Fold forward the hand rest-handle arm in front of resident.

3 **WARNING**

To avoid bodily injury from *Alenti* tipping or resident sliding out of the seat, make sure that:

- the safety belt is secured at all times,
- the resident is positioned correctly on the *Alenti* and
- the handle arms are folded down.

Make sure the resident is in an upright position in the centre of the seat with his or her:

- buttocks at the back of the seat,
  - back against the back rest and
  - hands on the hand rest.
- 4 Lean the resident forward and fold the back rest-handle arm behind the resident (see Fig. 1).
  - 5 Secure the safety belt.
  - 6 To separate the *Alenti* seat from the bottom of the bathtub, lower the bath to its lowest position.
  - 7 Start the shower and allow the resident to feel the water temperature by hand before directing it on the resident.
  - 8 Shower the resident (see Fig. 2).
  - 9 Dry the resident and place towels to keep him or her warm and comfortable.
  - 10 Make sure that the resident is in an upright position in the centre of the seat.
  - 11 Raise *Alenti* to a position where the seat clears the edge of the tub rim.

12 **WARNING**

The risk of *Alenti* tipping and causing bodily injury increases with elevation, therefore NEVER:

- dress/undress the resident,
- leave the resident unattended or
- transport the resident when in a high position.

Try to minimize the time that *Alenti* is used in a high position.

Shower the resident's feet and dry them. Also dry the underside of the seat, to prevent water from dripping on the floor when moving the *Alenti* away from the bath.

13 **WARNING**

To avoid any bodily injuries; before moving the resident over and into the bathtub, make sure there is enough clearance between tub rim and chair for resident's body parts (e.g genitals).

Help the resident to move his or her legs over the tub rim while rotating the *Alenti* away from the bath (see Fig. 3).

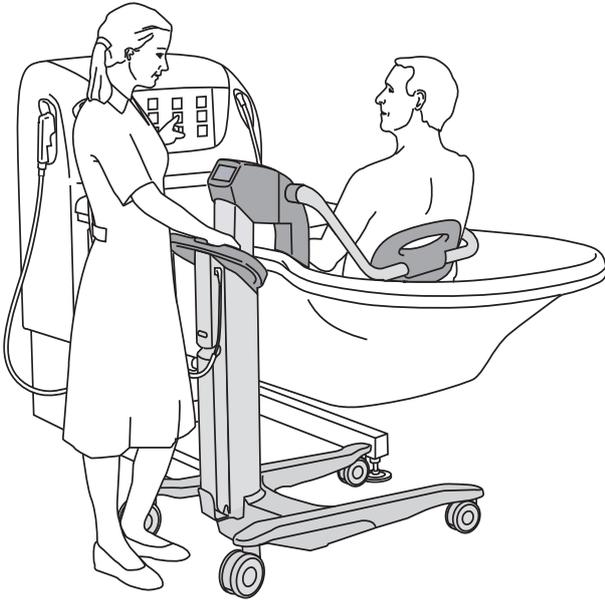
14 **WARNING**

To avoid *Alenti* from tipping which can cause bodily injury, make sure *Alenti* is completely clear of all other devices, baths and furniture when they or *Alenti* are being raised or lowered. Special attention is required when *Alenti* is in close proximity with the bathtub.

Make sure *Alenti* is completely clear from the bathtub and other devices to avoid undesired contact between these.

- 15 Lower *Alenti* until the resident's feet are in contact with the chassis.
- 16 Make sure to disinfect *Alenti* after each use to prevent cross-contamination (see Fig.4).  
See chapter, *Disinfection Instructions*.

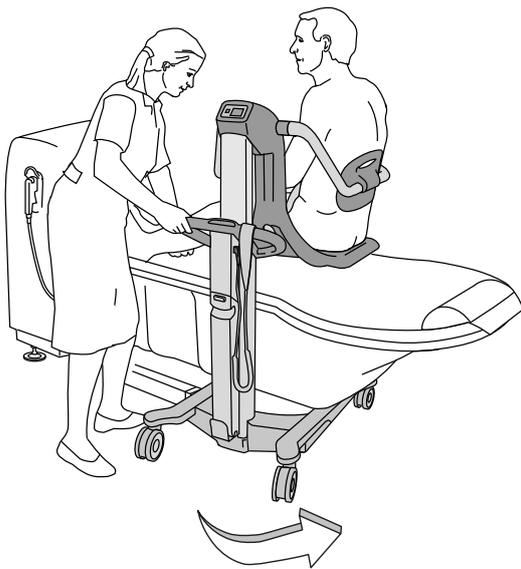
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# Scale Display / Labels / Calibration

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## Display (see Fig. 1)

### Upper indicator

- Shows weight in kg or lb.
- - (Minus) Shows when negative weight (see chapter, *Using the Scale*).

### Unit

- Kg or lb.
- B/G =Brutto/Gross = indication of the weight in total (Net weight plus tare weight).
- NET=Netto= B/G minus tare weight (e.g. accessories).

### Menu functions

- Shows *OPERATION* in normal use.

### Lock symbol

- If shown, contact the ArjoHuntleigh Service Department.

### 0-symbol

- Flashing when the scale is in zero range. ( $\pm 25\text{g}$ ; 0.05 lbs).

### Dual range symbol

- L = Low: 2 - 120 kg (4- 264,6 lbs).
- H = High: 4 - 182 kg (10- 400 lbs).
- The symbol turns **on** for weights over 120 kg (264.6 lbs).

### Minimum symbol (Min. in triangle)

- **On**, when the load is below 2 kg (4 lbs).

### Maximum symbol (Max. in triangle)

- **On**, when the load is over 182 kg (400 lbs). If the scale is overloaded: remove the load immediately.

### Battery symbol

Not in use. Power is supplied by the main battery.

## Labels and indicators (see Fig. 2)

On the data label you will find the following information:

- Standard approval certificate no.
- Article number
- W1=Range scale 1: 2 - 120 kg ( $\pm 100\text{g}$ )  
W1=Range scale 1: 4 - 264.6 lbs ( $\pm 0.2$  lbs)
- W2= Range scale 2: 4 - 182 kg ( $\pm 200\text{g}$ )  
W2= Range scale 2: 10 - 400 lbs ( $\pm 0.5$  lbs)

- d = actual scale division
- e = verified scale division

The values are equal in this scale.

### Verification

All scales for medical purposes have to be verified within EU markets. The verification is documented by sealing marks under the cover and the notified body's verification mark. Re-verifications should be performed according to local regulations.

### CAUTION

**If the seals are broken then the scale is not valid and should not be used again until re-verification has been carried out.**

### Verification labels

After verification the following labels are to be found on the scale: (The marking in some countries may be different due to local regulations) (see Fig. 2).

- Seal marks
- Authorized body's verification mark
- CE mark and year of 1st verification
- Green M mark

This scale fulfils the regulations of EN 45501/OIML R76-1.

The certification is according to the Council Directive 90/384 EEC, Non-automatic Weighing Instrument Directive.

### Calibration

Only on markets outside EU.

Regular checks ought to be done as well as re-calibration, if necessary. Calibrations should be performed according to local regulations by authorized personnel.

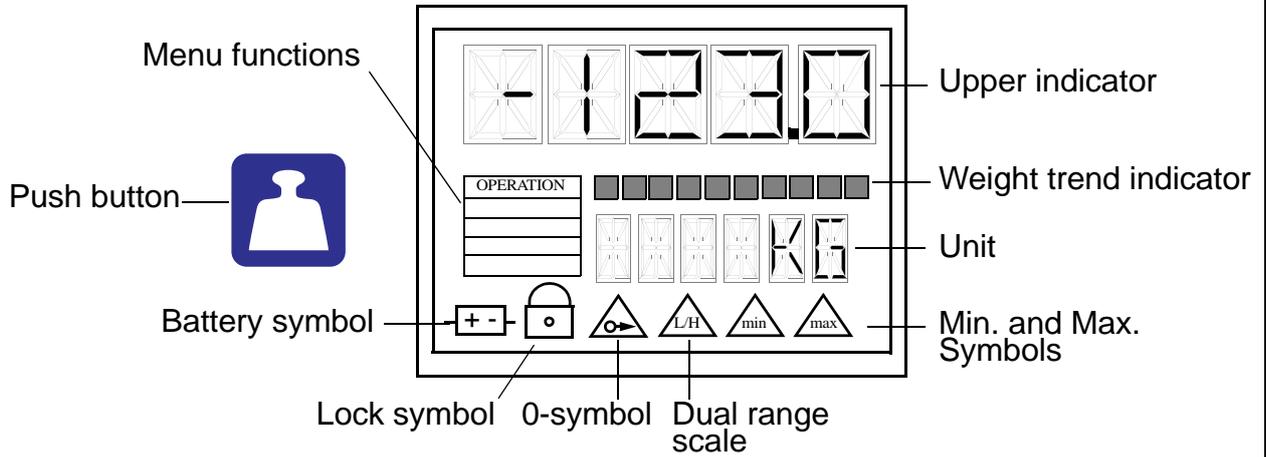
### Weighing unit (only NOT verified scales)

The preinstallation of the *Alenti* Scale is kg. If you want to change from kg to lbs or vice versa, press the button for about 10 seconds.

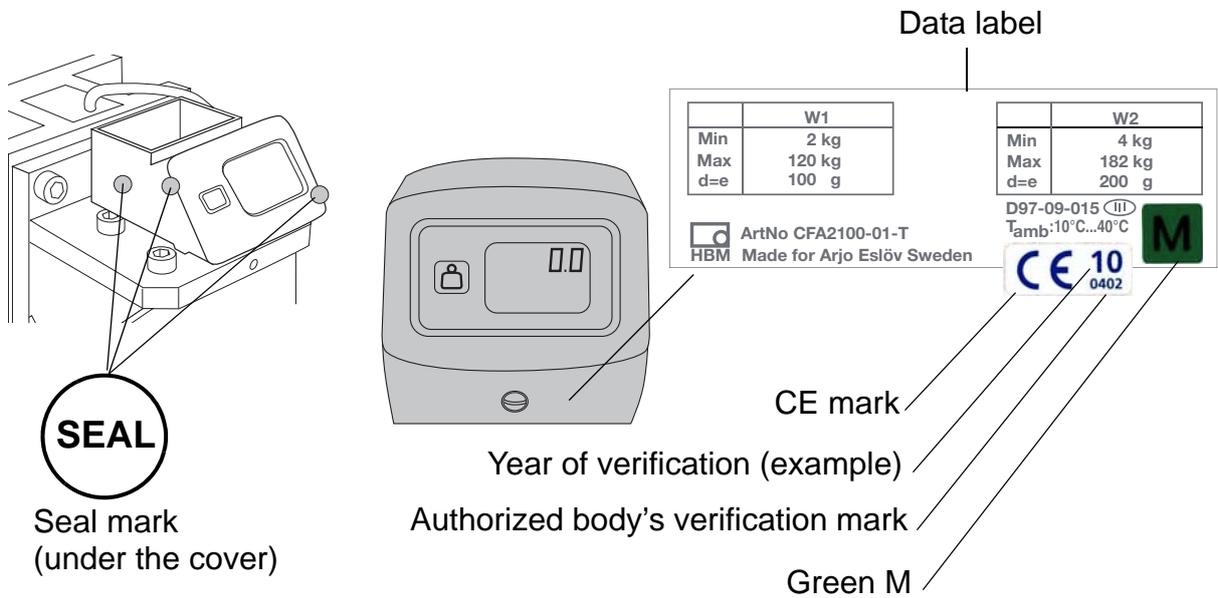
### NOTE

The weighing unit can not be changed on a verified scale.

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# Using the Scale

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## NOTE

Make sure that the *Alenti* is in a horizontal position when using the scale, because the display on a verified scale will show “TILT” if the lift isn’t horizontal.

## NOTE

Do not touch the seat, handles or the resident during the procedure, because it can affect the weighing results.

The display is activated for 4 minutes. After that, the procedure has to be restarted.

There are two methods to weigh the resident with the *Alenti* Scale:

### Method A (5 steps)

The scale is activated before the resident enters the chair:

## NOTE

To get the net weight of the resident, place all accessories on the chair before pushing the button.

- 1 Push the button (see Fig. 1).
- 2 A display test is performed, all segments are shown for about 1 second.
- 3 The display shows “WAIT” and after some seconds, “00”. If the display shows any figures, push the button again. The display will then show “00” (net mode).
- 4 Seat the resident on *Alenti* (see Fig. 2).
- 5 Raise *Alenti* so both the chair and the resident are clear of the floor or bed (see Fig. 3).

The weight of the resident will be shown on the display.

### Method B (4 steps)

The resident is already sitting on the chair when the scale is activated:

- 1 Raise the *Alenti* so both the chair and the resident are clear of the floor or bed (see Fig. 3).
- 2 Push the button (see Fig. 1).
- 3 A display test is performed, all segments are shown for about 1 second.
- 4 If the display shows any figures, push the button again. The display will then show “00” (net mode).

When the resident leaves the seat, the display shows a negative value = the weight of the resident.

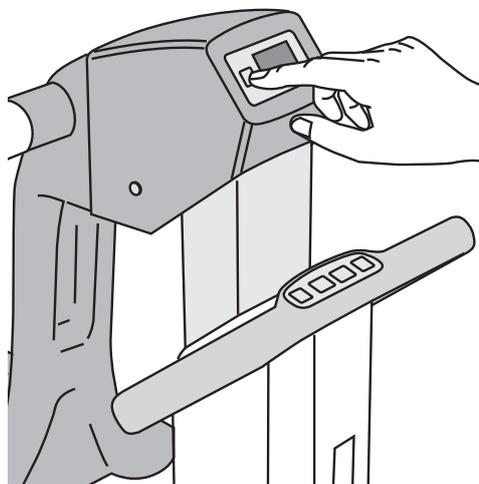
## NOTE

To get the net weight of the resident, all accessories must remain on the seat.

## NOTE

If your *Alenti* is equipped with a scale; Do not leave anything on the seat that could disturb the zero range when reconnecting the battery after charging.

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# Battery and Battery charger

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## Installation

### **WARNING**

**Do NOT expose the charger to wet, humid or dusty conditions due to a risk of electrocution and/or fire.**

### **WARNING**

**Do NOT cover the charger due to fire hazard.**

- The battery charger is not allowed to be used in a highly trafficated resident living area.
- Fix the charger to a suitable wall and connect it to a wall socket (see Fig. 1).
- Check label on the battery.

## Charging battery

### **WARNING**

**Do NOT charge the battery in a sealed compartment due to fire hazard.**

### **CAUTION**

**The battery is heavy – be careful not to drop it!**

- The charger converts mains voltage to low DC voltage.
- The charger must only be used with the ArjoHuntleigh's battery type NDA0100-XX.
- The charger is ready for use as soon as it is plugged in.
- There is no On/Off button on the charger. Disconnect the mains by unplugging the charger.
- Place the battery in the charger as shown (see Fig. 2).

- The indicator lamp (see Fig. 1 A) turns yellow during charging.
- The indicator lamp turns green when the battery is fully charged.

### **NOTE**

A battery that is charged for the first time or after a longer storage period must be charged until the indicator lamp turns green.

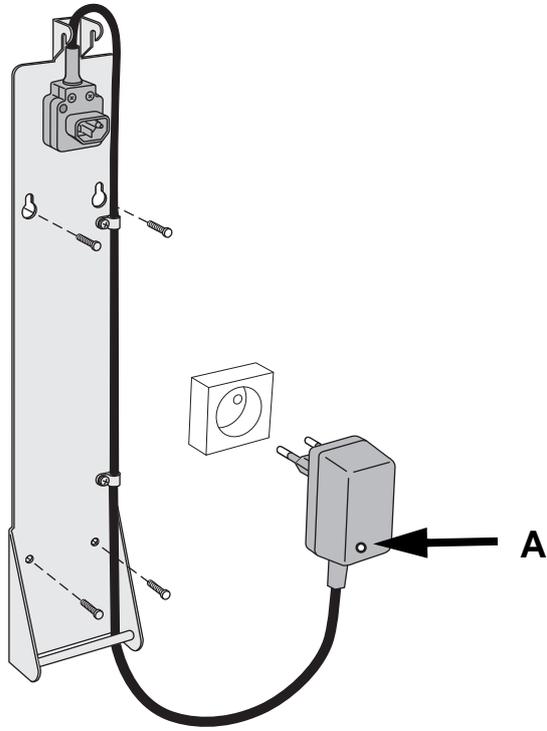
## Charging intervals

- To prolong life of the battery, charge it at regular intervals.
- If the lift is used frequently, its recommended to use two batteries, one in operation and one being charged.
- It is recommended that a battery not in use is left in the charger, there is no risk of overcharging the battery.

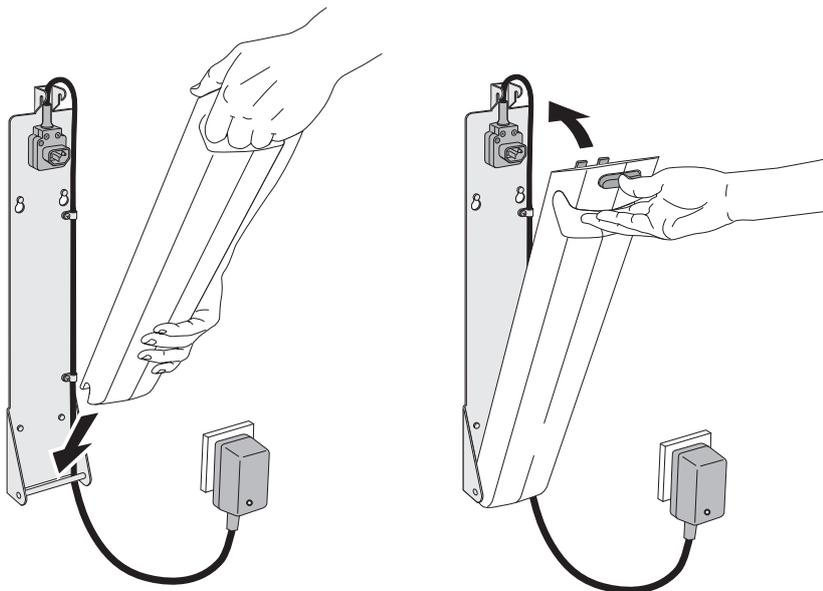
## Low charge warning

If a battery needs charging a beeping sound is heard when *Alenti* is being used. At this time, there will be enough battery power to complete the immediate task.

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## Maintenance

### **WARNING**

To avoid bodily injury, do **NOT** crush, puncture, open, dismantle or otherwise mechanically interfere with the battery.

- **Should the battery casing crack and cause contents to come in contact with skin or clothing, rinse immediately with plenty of water.**
  - **If contents come in contact with the eyes, rinse immediately with plenty of water and seek medical attention.**
  - **Inhalation of the contents can cause respiratory irritation. Provide fresh air and medical attention.**
- The charger does not require any maintenance.
  - In case of a malfunction don't attempt to open the charger cover.
  - All repairs must be carried out by Arjo-Huntleigh qualified personnel.

## Storage of battery

### **WARNING**

**Don't expose the battery or chargers to flames.**

**Don't expose the battery connector to water.**

**Don't use the charger in presence of inflammable anaesthetic gases.**

### **NOTE**

A battery that is charged after a longer storage period must be charged until the indicator lamp turns green.

- The battery is delivered charged but we recommend you to recharge the battery when received due to a slow self discharge.
- The battery will slowly self discharge when not used.
- A battery in storage and transport and should be in a temperature range of  $-0^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $86^{\circ}\text{F}$ ), cooler temperatures will extend its service life.
- For maximum battery performance do not store the battery above  $50^{\circ}\text{C}$  ( $122^{\circ}\text{F}$ ).



# Disinfection Instructions

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## For the best results, only use ArjoHuntleigh branded disinfectant cleansers. (9 steps)

If you have any questions regarding disinfecting the equipment, or wish to order cleaning fluid, contact your local ArjoHuntleigh representative.

The following procedure should be carried out after every use and at the end of the day.

### WARNING

Failure to clean and disinfect *Alenti* after each use can cause cross-contamination.

### WARNING

Always use protective gloves and protective glasses when handling cleaning agents. Avoid getting the cleaning agent on your skin or in your eyes. If this does occur, rinse thoroughly with plenty of water. Seek medical advice if irritation occurs. Always consult the material safety data sheet for the disinfectant cleanser.

### WARNING

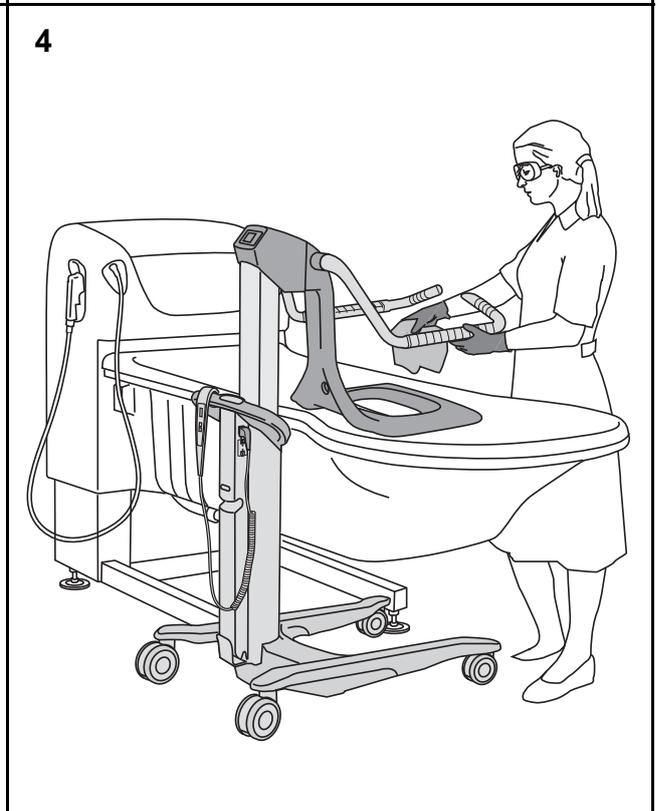
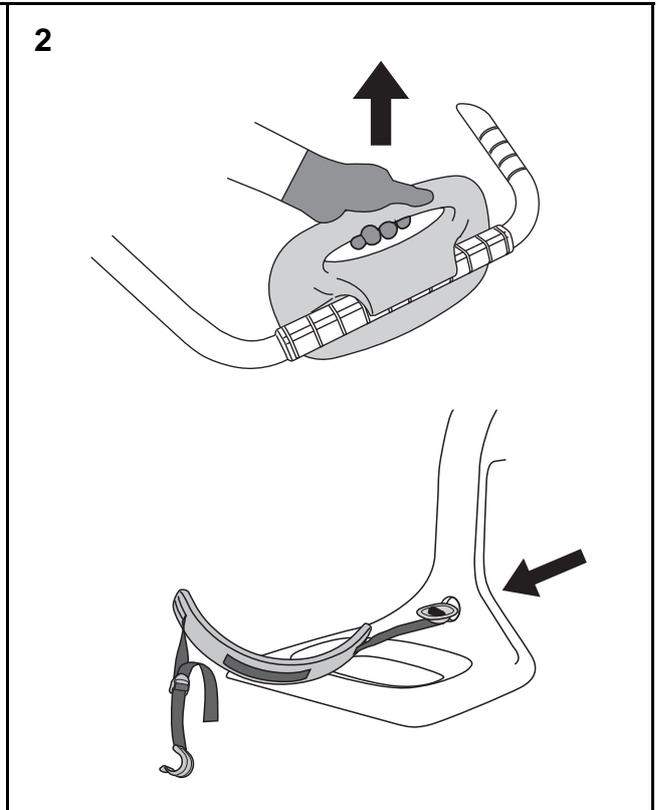
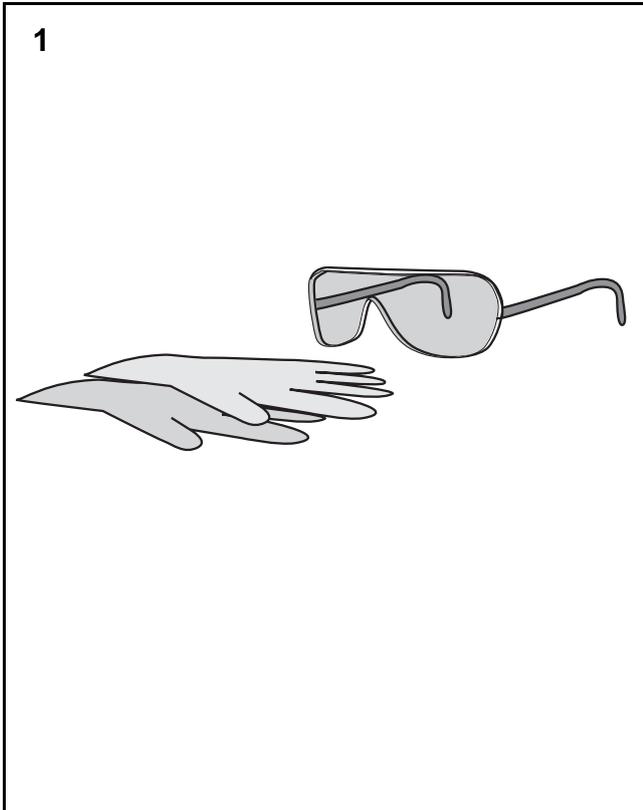
Do not use phenol, citric acid or petroleum-based solvents, trichloroethylene, chlorine and hydrogen peroxide or similar cleaning agents as these may damage the plastic material. Do not use a warm air, steam or ethylene oxide sterilization.

- 1 Put on protective gloves and glasses (see Fig. 1).
- 2 Remove the back rest and safety belt and place them at the bottom of the bath and disinfect separately (see Fig. 2). Position *Alenti* over the bath and lower it down.
- 3 Most ArjoHuntleigh baths are equipped with a spray handle for disinfecting purposes. Read the bath instructions on how to use the disinfection spray.
- 4 Using the disinfection spray, spray disinfectant on *Alenti* (see Fig. 3). Check that the disinfectant fluid is mixed at the correct dilution ratio.
- 5 If you do not have the integrated disinfection equipment, you can use a properly labelled spray bottle containing disinfection fluid mixed according to the printed instructions on the disinfection bottle.
- 6 Scrub the chair. Make sure to disinfect the underside of the seat as well. Use a nylon bristled brush, rag or disposable cloth (see Fig. 4).
- 7 Allow a disinfectant contact time according to the instructions printed on the disinfectant bottle or according to your local regulations.
- 8 Rinse thoroughly with water until no remaining disinfectant residue is visible.
- 9 Dry each part of *Alenti* with a clean cloth.

### Safety belt

The safety belt can be disinfected together with *Alenti* as described above or machine washed warm in 60°C (140°F) water. The safety belt should never be bleached or ironed.

Follow the instructions on the label attached to the safety belt.



# Care and Preventive Maintenance

---

*Alenti* is subject to wear and tear, and the following actions must be performed when specified to ensure that the product remains within its original manufacturing specification

## WARNING

The points on this checklist are the minimum the manufacturer recommends. In some cases due to heavy use of the product and exposure to aggressive environment, more frequent inspections should be carried out. Continuing to use this product without conducting regular inspections or continuing to use this product when a fault is found will seriously compromise the user and residents safety. Local regulations and standards may be higher than the manufacturers. Preventive maintenance specified in this manual can prevent accidents.

### PREVENTIVE MAINTENANCE SCHEDULE *ALENTI*

CAREGIVER OBLIGATIONS Action/Check	Every DAY	Every WEEK	Every YEAR	Every 2:nd YEAR
Cleaning/Disinfection	X			
Check of mechanical attachments		X		
Visually check the safety belt/leg strap		X		
Check hand control and cable		X		
Check and clean castors		X		
Check brake function and brake pads		X		
Visually check battery charger and battery		X		
Visually check all exposed parts		X		
Check for corrosion and damage		X		
Perform functionality test		X		

## WARNING

Do not modify this equipment without authorization from the manufacturer. Modifications without consent it will invalidate the ArjoHuntleigh product liability.

## **WARNING**

**The following actions must be carried out by qualified personnel, using correct tools and knowledge of procedures. Failure to meet these requirements could result in personal injuries and/or unsafe product.**

<b>QUALIFIED PERSONNEL Action/Check</b>	<b>Every DAY</b>	<b>Every WEEK</b>	<b>Every YEAR</b>	<b>Every 2:nd YEAR</b>
Replace brake pads			X	
Perform a safe working load test (local requirements)			X	
Lubricate inner profile			X	
Check battery and battery charger			X	
Check scale calibration (if attached and not verified)			X	
Check all vital parts for corrosion/damage			X	
Perform full feature functionality test			X	
Check mechanical attachments			X	
Check that the latest upgrades have been implemented			X	
Check the safety stop function			X	
Check the emergency High/Low function			X	
Inspect castors			X	
Replace guide pieces, lower bushing and outer profile				X
Replace the plastic cross on the actuator				X
Replace the safety belt				X

Caregiver obligations shall be carried out by personnel with sufficient knowledge following the instructions in this IFU.

### Every day

Cleaning: *Alenti* has to be disinfected immediately after every use. ArjoHuntleigh disinfectant agents should be used in recommended concentrations.

See chapter, *Disinfection instructions*.

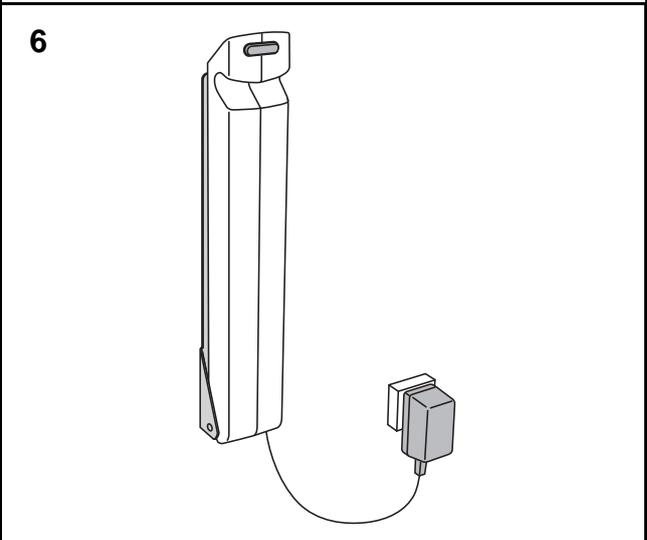
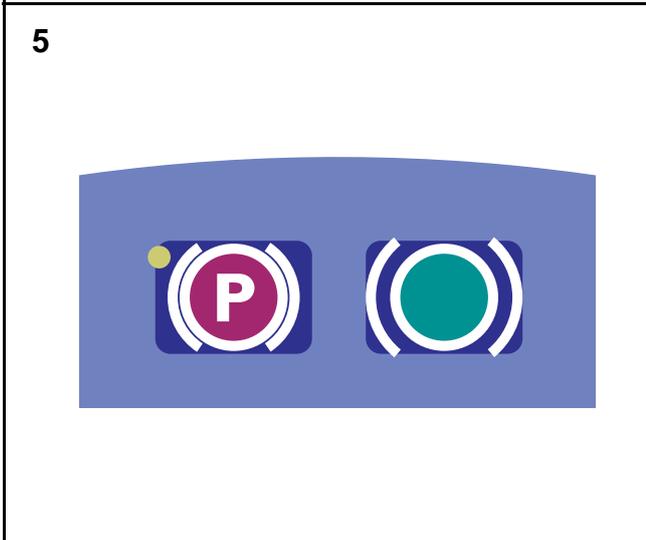
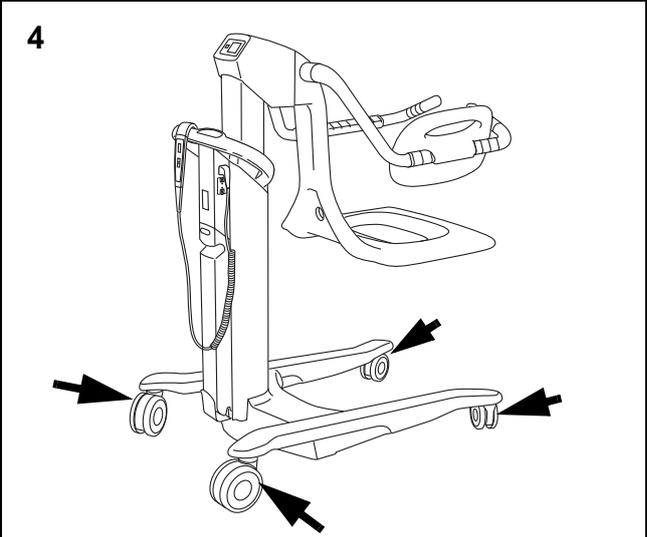
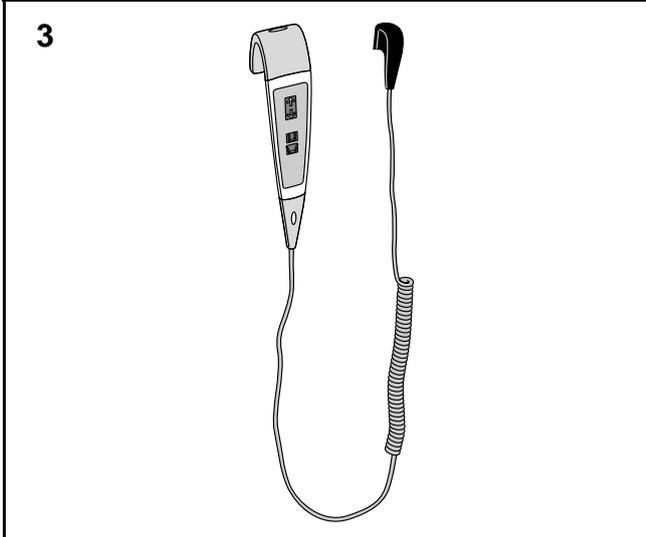
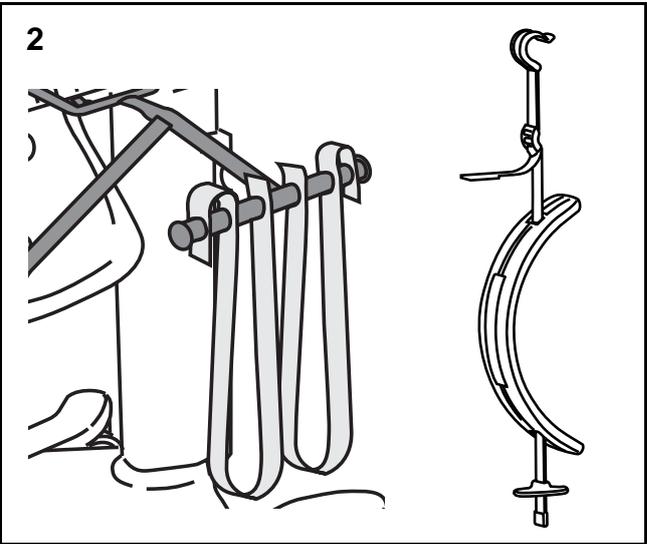
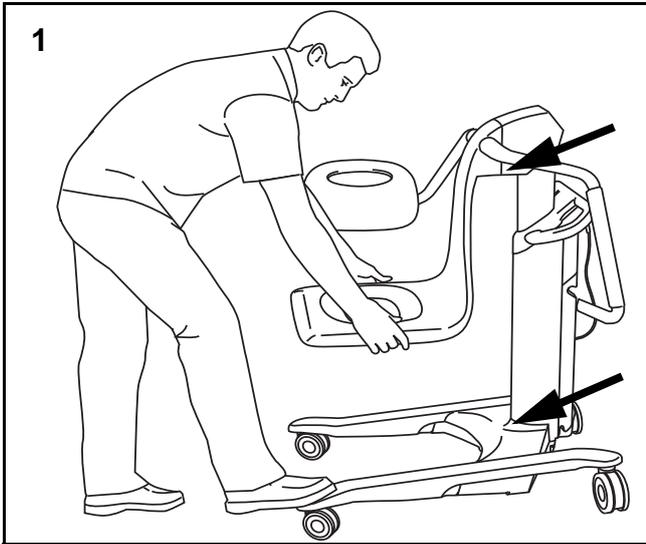
### Every week

- **Check the mechanical attachments** by placing a foot on the chassis and pull the seat upwards with both hands (see Fig. 1).  
No gaps between the chassis and seat are allowed.
- **Visually check the safety belt and leg straps.** Check the complete length of the belt for fraying, cuts and loose stitching (see Fig. 2).  
If the belt is found damaged in any way, replace it.
- **Check hand control and cable:** Visually check the condition of the hand control and its cable (see Fig. 3).  
If found cut or damaged, replace it.
- **Check that the castors are properly fixed** and are rolling and swivelling freely (see Fig. 4).  
Clean with water (the function can be affected by soap, hair, dust and chemicals from floor cleaning).
- **Check the central brake function and brake pads** by activating the brakes and try to move the *Alenti* (see Fig. 5).  
It must be impossible to move without lifting the *Alenti* from the floor.

- **Visually check the condition of the battery charger**, its cable and the battery (see Fig. 6).  
Withdraw and replace immediately if damaged.
- **Visually check all exposed parts**, especially where personal contact is made by either the resident or caregiver. Make sure no cracks or sharp edges have developed that could cause the resident or caregiver injury or that has become unhygienic. Replace damaged parts.
- **Check for corrosion and damage:** if there is any visible corrosion or damage on parts, contact your local Arjo-Huntleigh representative for support.
- **Perform a functionality test:**  
Test up and down motion by pressing the up and down button on the hand control and control panel. Also test the Emergency High/Low and brakes.

### Yearly

*Alenti* has to be serviced according to the Preventive Maintenance Schedule (Qualified Personnel Action/Check).



# Troubleshooting

PROBLEM	ACTION
<i>Alenti</i> raises or lowers after the hand control button or the control panel button is released.	<ol style="list-style-type: none"> <li>1 Pull the battery out and remove the resident from <i>Alenti</i>.</li> <li>2 Remove the hand control and put the battery back. If the failure is gone, replace the hand control</li> <li>3 If the failure still occurs, call your local ArjoHuntleigh service technician.</li> </ol>
<i>Alenti</i> does not raise or lower when the hand control button or the control panel button is pressed.	<ol style="list-style-type: none"> <li>1 Make sure the battery is connected correctly to <i>Alenti</i>.</li> <li>2 Make sure the battery has sufficient charge, the battery charger lamp located on <i>Alenti</i> turns green when the battery is fully charged.</li> <li>3 Make sure <i>Alenti</i> has not been lowered onto a fixed object. If this occurs the automatic safety stop function will turn on.</li> <li>4 Use the Emergency High/Low to remove resident from <i>Alenti</i>. Call your local ArjoHuntleigh service technician.</li> </ol>
<i>Alenti</i> functions only operate with the use of the control panel, not the hand control.	<ol style="list-style-type: none"> <li>1 Make sure that the hand control connection is properly connected to the socket.</li> <li>2 If the problem persists, replace the hand control.</li> </ol>
<i>Alenti</i> raises and stops by itself.	<ol style="list-style-type: none"> <li>1 Make sure that the safe working load of 182 kg (400lbs) is not exceeded. The lowering function will still operate during this scenario.</li> </ol>
<i>Alenti</i> is hard to manoeuvre.	<ol style="list-style-type: none"> <li>1 Make sure that the brakes are released.</li> <li>2 Make sure that the castors roll and swivel freely. If not, remove the resident from <i>Alenti</i> and call your local ArjoHuntleigh service technician.</li> </ol>
If the brakes are not functioning.	<ol style="list-style-type: none"> <li>1 Make sure that <i>Alenti</i> is flat on a levelled surface (floor surface must not exceed a slope ratio of 1:50)</li> <li>2 If the brake alarm sounds, try moving the <i>Alenti</i> to a flat levelled surface and re-apply brakes. If the alarm continues, contact you local ArjoHuntleigh service technician.</li> </ol>
If the optional integrated scale is not operating.	<ol style="list-style-type: none"> <li>1 Make sure the battery is connected correctly to <i>Alenti</i>.</li> <li>2 Make sure the battery has sufficient charge. The battery charger lamp located on <i>Alenti</i> turns green when the battery is fully charged.</li> <li>3 If the problem persists, call your local ArjoHuntleigh service technician.</li> </ol>
The scale is showing TILT	<ol style="list-style-type: none"> <li>1 Make sure <i>Alenti</i> is on a flat levelled surface.</li> <li>2 If the problem persists, call your local ArjoHuntleigh service technician.</li> </ol>
The scale is showing no other error codes than TILT	<ol style="list-style-type: none"> <li>1 Call your local ArjoHuntleigh service technician.</li> </ol>

ALARM	ACTION
The <i>Alenti</i> has three different alarm signals which indicate different faults.	
1. Low battery signal	<p>If the raise button (up arrow) is pressed the alarm will sound for up to 10 seconds at rate of one beep per second.</p> <ol style="list-style-type: none"> <li>1 Recharge the battery.</li> <li>2 If the alarm continues contact your local ArjoHuntleigh service technician.</li> </ol>
2. Brake fault	<p>If any of the buttons are pressed the alarm will sound for up to 10 seconds at a rate of 4 beeps per second. The LED on the control panel and the hand control will also light up.</p> <ol style="list-style-type: none"> <li>1 This alarm indicates a brake failure. Try moving <i>Alenti</i> to a flat levelled surface and re-apply brakes.</li> <li>2 If the alarm continues contact your local ArjoHuntleigh service technician.</li> </ol>
3. Circuit board fault	<p>This alarm will continue to sound up to 5 seconds at a rate of 4 beeps per second, followed by a 30 second pause. The alarm can only be stopped by removing the battery.</p> <ol style="list-style-type: none"> <li>1 This alarm indicates a fault in the circuit board. If the alarm starts while the resident is using the <i>Alenti</i>, complete the immediate task such as bathing or transfer. Then contact your local ArjoHuntleigh service technician.</li> </ol>

<p><b>NOTE</b></p> <p>If the problem can not be solved with the written troubleshooting actions, please contact an ArjoHuntleigh authorized service technician.</p>
---

# Technical specifications

## LIFT

<b>Alenti lift hygiene chair Model CDB 81XX</b>	
Lifting capacity	182 kg (400 lbs.)
Weight of lift	66 kg (146 lbs.)
Colour	grey/ bordeaux-red/blue
Medical equipment	type 
Sound level	< 65 dB A
Mode of operation	ED max 10%; Max 2 min ON, Min 18 min OFF
Operating forces of controls	2.7 N
Battery No. NDA0100-XX	Sealed lead-acid battery 24 V, 4 Ah
Protection class	IP X4
Insulation class	Class II

<b>Operation, Transport and Storage</b>	
Ambient temperature range	Operation +10°C to +40°C (+ 50°F to 104°F) Transport and Storage -10 °C to +50 °C (+14 °F to +122 °F)
Relative humidity range	30% - 75% Operation 10% - 80% Transport and Storage
Atmospheric pressure range	700 - 1060 hPa Operation 500 - 1060 hPa Transport and Storage

<b>Recycling</b>	
The device should be recycled according to national regulations	
Package	Wood, corrugated cardboard and plastic are recyclable
The Lift	Electric, steel and plastic parts shall be separated and recycled according to (WEEE).

<b>NOTE</b>	
All material used in <i>Alenti</i> complies with established biocompatibility standards and have been tested accordingly (ISO 10993-5).	
The body supporting material in the seat and back rest is PUR (polyurethane).	

## CHARGER

<b>Charger model NDA 1200-EU, NDA 2200-GB, NDA 4200-US, NDA 6200-AU</b>	
Voltage, Frequency	230V ±10%, 50-60Hz 100-120V ±10%, 50-60Hz ±10%
Charge voltage and current	28.6 V, 1.2 A, yellow indicator
Standby charge voltage	27.6 V, green indicator
Max power	230V - 0.5 A, 100-120 V - 0,8 A
Weight	300 gram (0.55 pound)
Dimensions	60 x 70 x100 mm (2 3/8"x2 3/4"x 4")
Ambient temperature	Operation +10°C to +40°C (50°F to 104°F) Transport and Storage -30°C to +70°C (+ 41°F - 68°F)
Relative humidity	30 - 75% Operation 10 - 80% Transport and Storage
Atmospheric pressure	700 - 1060 hPa Operation 500-1060 hPa Transport and Storage
Degree of protection	IPX0
Mode of operation	continuous
Insulation class	Class II

### **Recycling**

The device should be recycled according to national regulations

Battery

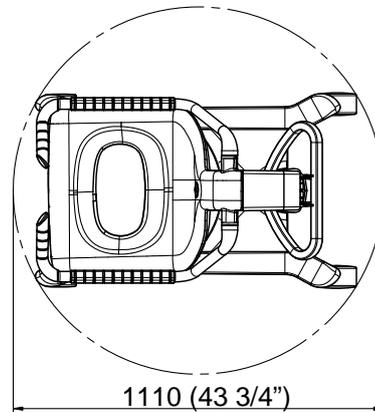
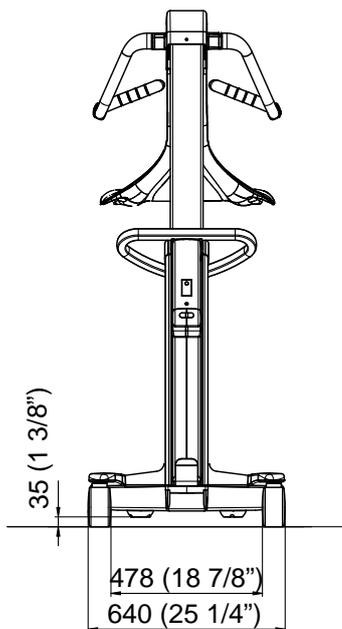
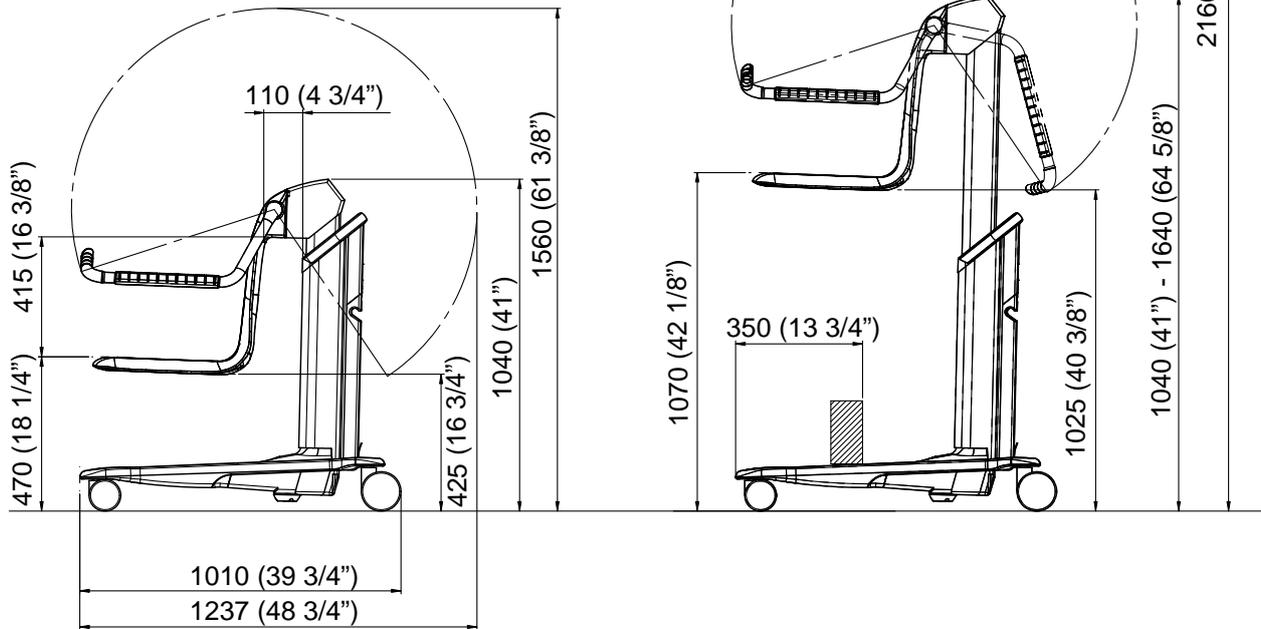
Sealed lead-acid. Recyclable.  
Not for disposal. Environmental danger

# Dimensions

mm (inches)

Stroke: 590 mm (23 1/4")

Minor measurement deviations might occur between products.



# Approvals and List of Standards

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<b>CERTIFICATE</b>	<b>STANDARDS</b>
<b>UL E180493</b>	EN/ISO 60601-1, Medical electrical equipment. General requirements for safety.
<b>UL E180493</b>	EN/ISO 60601-1, UL 2601-1, Medical electrical equipment. General requirements for safety.
<b>UL E180493</b>	CAN/CSA-C22.2 No. 601.1, Medical equipment Certified for Canada
<b>TÜV</b>	ISO 10535: 2006, Hoists for the transfer of disabled persons - Requirements and test methods.

# Labels on the lift

The data label, identification label, safety label and the approval label are located on the pillar, behind the battery.

On the labels you will find the following information:

## Data label

<b>SWL</b>	Safe Working Load
	Lifting stroke
<b>Supply voltage</b>	Supply voltage Voltage feed
<b>Lift max power</b>	Power
<b>IP X4</b>	Degree of Protection (i.e. the product is protected against splashing water)
	Type B Applied part: protection against electrical shock in accordance with IEC 60 601-1.
<b>ED MAX 10%</b>	Time span (Duty cycle) of Hi/Lo being turned ON and OFF.
<b>NDA0100 -XX</b>	Product number of the battery
 	Read Instructions for Use
	Separate electrical and electronic components for recycling in accordance with the European Directive 2002/96/EG (WEEE)

## Identification label

The identification label states the type of equipment and serial number.

## Approval and Safety label

	Certified by TÜV product service with respect to mechanical hazard and performance according to ISO 10535
	CE marking in accordance with the (2007/47/EC) (The Medical Devices Directive).  Classified with respect to electric shock, fire mechanical and other specified hazards only in accordance with UL60 601-1 and CAN/CSA C22.2 No 601.1-M90  The equipment has been EMC-tested and fulfils all requirements according to IEC 60601-1-2. Electric safety according to EN 60601-1. Refer to Notified Body: BSI
	Classified by Underwriters Laboratories Inc. with respect to electrical shock, fire, mechanical, hazards and other specified hazards only in accordance with the Approvals and List of Standards.
	The label is attached below the positioning handle and means: Read the IFU.

**MODEL: CDB81XX**

**SWL Safe Working Load**  
**182 kg / 400 lbs**


**590 mm**  
**23 1/4"**

Type: 

**24 V DC**  
**Max: 200 VA**  
**F1: F10 AL 250 V**  
**F2: T2,5 AL 250 V**

**IPX4**

**ED Max 10%**    **Max 2 min ON**  
                          **Min 18 min OFF**

**Max Total Weight: 250 kg / 550 lbs**

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**Accessory battery:**  
**No. NDA0100 24 V 4 Ah**

Read the operating instructions before use  
 Merci de prendre connaissance de la notice d'utilisation  
 Lesen Sie bitte die Bedienungsanleitung durch





8418651 D

**MADE BY ARJO HOSPITAL EQUIPMENT AB**  
**ESLÖV, SWEDEN**

*Data label*

*Running assembly number*

Year    Month    number

  
**0909XXXXX**

Product no  
**CCB7001-01**

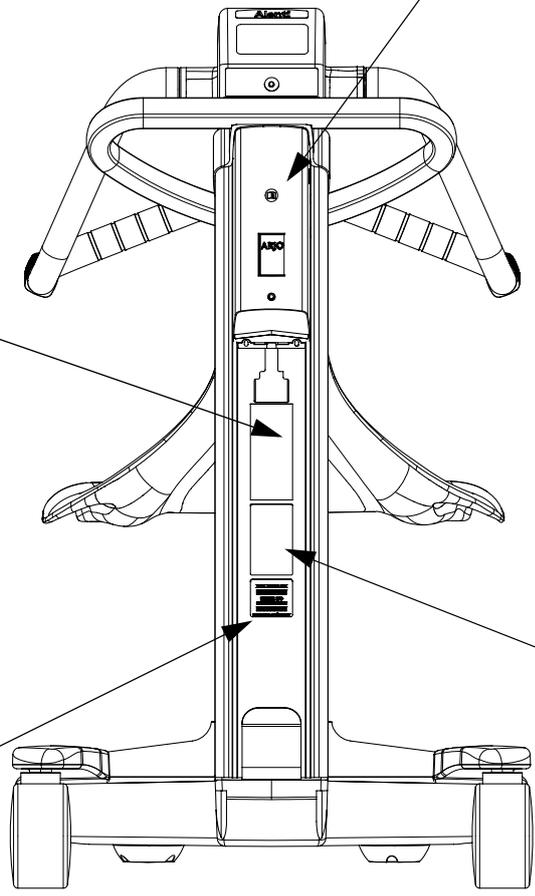


Serial no  
**0909XXXXX**



Made by Arjo in Eslöv, Sweden  
 010115

*Identification Label*



*Safety label*

**CE** 0086

  
**TUV**  
 PRODUCT SERVICE  
**NRTL**    **US**  
 CAN/CSA-C22.2  
 No. 601.1-M90

  
**CLASSIFIED**  
**UL**    **US**

8418656 C

*Approval label*

# Labels on battery and battery charger

On the charger and battery label you will find the following information:

## Data / Approval label

Charger model	NDA 1200-EU ( <i>Europe except GB</i> ) NDA 2200-GB ( <i>Great Britain</i> ) NDA 4200-US ( <i>USA, Canada and Japan</i> ) NDA 6200-AU ( <i>Australia</i> )
230VAC 50-60Hz  100-120VAC 50-60Hz	Mains supply
230V - 0.5 A  100-120 V - 0,8 A	Maximum rated power
28.6 V 1.2 A-yellow	Output data: output voltage and charger current
NDA0100	ArjoHuntleigh battery intended for this charger
	Insulation Class II
 	Read the operation manual before use
IP 2X	Use in dry areas
	For indoor use only

	CE marking in accordance with the Directive(2007/47/EC) (The Medical Devices Directive). Refer to Notified Body: BSI  The equipment has been EMC-tested and fulfils all requirements according to IEC 60601-1-2
	Recognized by Underwriters Laboratories Inc. with respect to electric shock, fire, mechanical hazards and other specified hazards only in accordance with UL 60 601-1 and CAN/CSA - C 22.2 No 601.1-M90.
	Contact you Arjo-Huntleigh representative on how to recycle in accordance with the European Directive 2002/96/EG (WEEE)

## Battery Label

	Environmental danger-contains lead. Not for disposal
	Recyclable

## Identification label

The identification label states the product and serial number and the manufacturing country.

**CAUTION**

- AVOID SHORT CIRCUIT
- DO NOT CHARGE IN A SEALED CONTAINER
- KEEP SPARKS, FLAME AWAY



SEALED LEAD BATTERY  
MUST BE RECYCLED OR  
DISPOSED OF PROPERLY

0418254

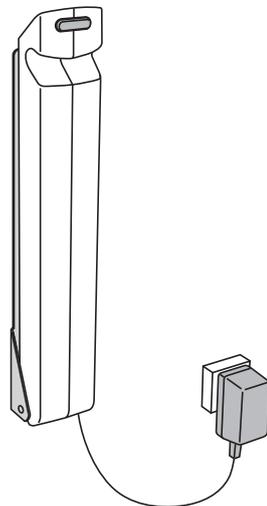
*Battery label*

**Serial No. SE 1499 0001**

Made in Norway for:

**Arjo Hospital Equipment AB  
Eslöv Sweden**

*Identification label  
on the battery charger*



*Running  
assembly  
number*

*Year Month*



**0909XXXXX**

Product no  
**CCB7001-01**

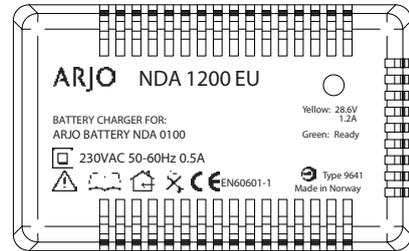


Serial no  
**0909XXXXX**

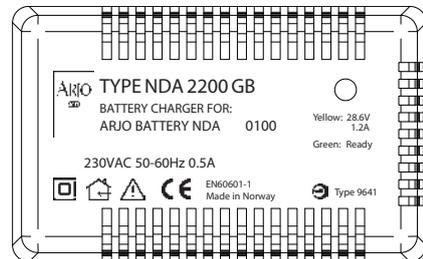


Made by Arjo in Eslöv, Sweden  
010115

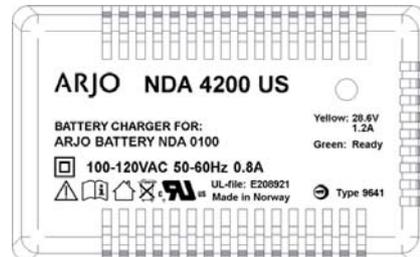
*Identification Label*



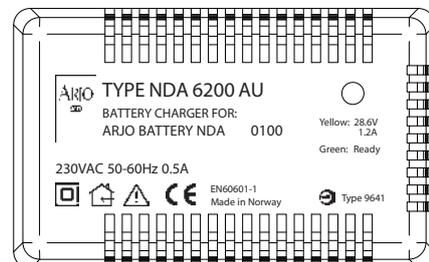
*Data / Approval label EU*



*Data / Approval label GB*



*Data / Approval label US*



*Data / Approval label AU*

# Electromagnetic compatibility

Medical electrical equipment needs special precautions regarding EMC (Electromagnetic compatibility) and needs to be used to the EMC information below.

The *ALENTI* is intended for use in the electromagnetic environment specified below. The customer or the user of the *ALENTI* should assure that it is used in such an environment.

## WARNING

**Stacking or placing other electrical equipment close to this device is not recommended, it can interfere with the equipment's operation and safety. Portable and mobile radio-frequency (RF) communications equipment can interfere with this equipment's operation and safety.**

## WARNING

**This equipment/system may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take mitigation measures, such as re-orienting or relocating the equipment or shielding the location.**

Guidance and manufacturer's declaration - electromagnetic emissions		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	<i>ALENTI</i> uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	<i>ALENTI</i> is suitable for use in all establishments, those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
EN 61000-4-8	3A/m at 50/60 Hz	Magnetic Immunity: If functional disturbance occurs on the <i>Alenti</i> it may be necessary to move the <i>Alenti</i> further from the source of power frequency magnetic field. The power frequency magnetic field should be measured in the intended use locations to assure that it is sufficiently low.

Guidance and manufacturer's declaration - electromagnetic immunity			
Emissions test	IEC 60601-1-2 test level	Compliance	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	6 kV contact 8 kV air	6 kV contact 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Radiated RF IEC 61000-4-3	3 Vrms 80 MHz to 2,5 GHz	10 Vrms 80 MHz to 2,5 GHz	Portable and mobile RF communications equipment should be used no closer to any part of <i>ALENTI</i> , including cables, than 1 meter if the transmitters output power rating exceeds 1 W. Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, A) should be less than the compliance level in each frequency range. B) Interference may occur in the vicinity of equipment marked with the following symbol:  
EN ISO 10535:2006	10 v/m	10 v/m	
a) Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which <i>ALENTI</i> is used exceeds the applicable RF compliance level above, the <i>ALENTI</i> should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary. b) Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 1 V/m.			

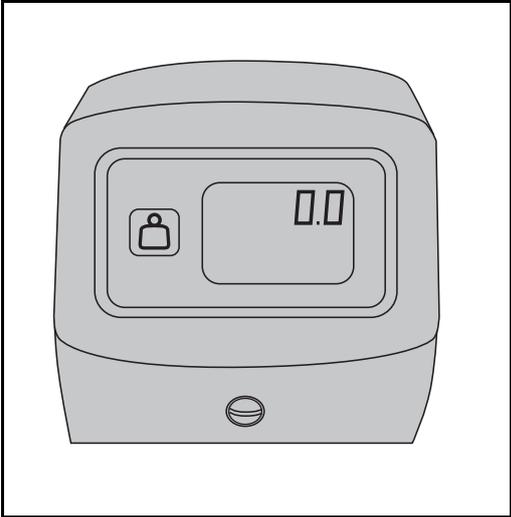
Recommended separation distances between portable and mobile RF communications equipment and the *ALENTI*.

*ALENTI* is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled.

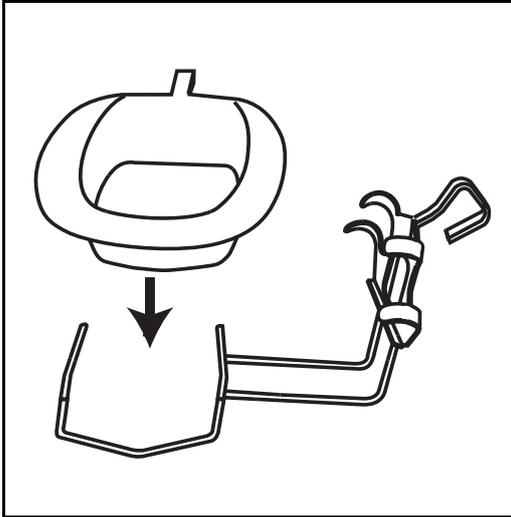
The customer or the user of *ALENTI* can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the *ALENTI* by maintaining a distance of not less than 1 meter to any part of *ALENTI*, including cables, if the transmitters output power rating exceeds 1 W.

# Accessories

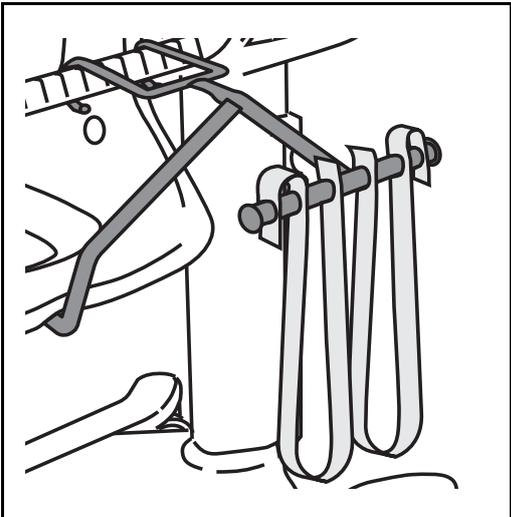
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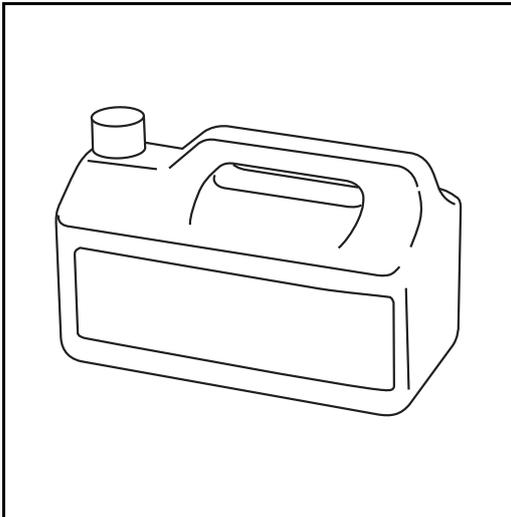
CDA2100-01  
Electronic Scale



CDA1500-7 Bedpan  
CDA1104-90 Bedpan holder



CDA1300-04  
Leg support and leg straps



PRB2000  
ArjoClean Disinfectant  
3 X 3 Litre bottles.

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Website: www.arjohuntleigh.be

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