The Contoured Advance Seat has been designed to offer a high level of contoured postural positioning and clinical benefits. This manual shows you how you can quickly, easily and safely make use of all of the functions. The instructions on the safety and maintenance of the product will ensure that you will enjoy the use of this product for a long time.
1 Intended Use
The Contoured Advance Seat is an activity chair for use in the home or classroom. The Contoured Advance Seat is available in three sizes catering for the needs of children with disabilities from the age of 1-17 years. The size one having a maximum user weight of 20kgs (40lbs), size two 50kgs (110lbs) and the size three 80kgs (176.4lbs). Each size of chair is height adjustable with two seating options and two base options to choose from. They can be used outdoors on level surfaces but should never be left exposed to the elements as this may corrode the metal components.

2 Declaration of Conformity
James Leckey Design Ltd. as manufacturer with sole responsibility declares that the Contoured Advance Seat conforms to the requirements of the 93/42/EEC Guidelines and EN12182 Technical aids for disabled persons general requirements and test methods.

3 Terms of Warranty
The Warranty applies only when the product is used according to the specified conditions and for the intended purposes, following all manufacturer’s recommendations (also see general terms of sale, delivery and payment). A two year warranty is provided on all Leckey manufactured product and components.

4 Product History Record
Your Leckey product is a classified as a Class 1 Medical device and as such should only be prescribed, set up or reissued for use by a technically competent person who has been trained in the use of this product. Leckey recommend that a written record is maintained to provide details of all setups, reissue inspections and annual inspections of this product.

5 Product Training Record
(Parents, Teachers & Carers)
Your Leckey product is a prescribed Class 1 Medical Device and as such Leckey recommend that parents, teachers and carers using the equipment should be made aware of the following sections of this user manual by a technically competent person:

Section 6
Safety Information
Section 9
Frequent Adjustments for Daily use
Section 10
Cleaning and Care Information
Section 11
Daily Product Inspection

Leckey recommend that a written record is maintained of all those who have trained in the correct use of this product.
6.1 Always read instructions fully before use.

6.2 Users should not be left unattended at any time whilst using Leckey equipment.

6.3 Only use Leckey approved components with your product. Never modify the product in any way. Failure to follow instructions may put the user or career at risk and will invalidate the warranty on the product.

6.4 If in any doubt to the continued safe use of your Advance Seat or if any parts should fail, please cease using the chair and contact your local dealer as soon as possible.

6.5 Carry out all positional adjustments and ensure that they are securely fastened before you put the user into seat. Some adjustments may require the use of an allen key which is provided with each product. Keep all tools out of reach of children.

6.6 When putting the user into the seat both for positional and safety reason, always secure the pelvic harness first.

6.7 When the product is stationary ensure that all four castors are locked and facing away from the base. This is especially important when the tilt in space or back recline facility is in use.

6.8 When the seat is in use please ensure that the height adjustment pedal or bolts and tilt in space pedal are locked off and cannot be adjusted accidentally, especially if there are children in the area.

6.9 The Advance Seat is not a wheelchair and although mobility is an important feature of the seat, we do not recommend that users be moved over uneven surfaces whilst in the equipment. All due care and attention should be taken if transporting the user from one seat to another.

6.10 Never leave the product on a sloping surface, greater than 5 degrees. Always remember to lock all the castors.

6.11 Only use the push handle to steer and move the seat from one area to another. Never use the tray for this purpose.

6.12 The product contains components which could present a choking hazard to small children. Always check that locking knobs and bolts within the child’s reach are tightened and secure at all times.

6.13 Leckey products comply with fire regulation defined under EN12182. However the product contains wooden components and therefore should be kept away from direct sources of heat, naked flames, cigarettes, electric or gas heaters etc.
14. Do not place objects on the tray greater than 40ºC.

15. Clean the product regularly. Do not use abrasive cleaners. Carry out maintenance checks on a regular basis to ensure your product is in good working condition, refer to the section titled “Cleaning and care information”.

16. The product is designed for indoor use and when not in use should be stored in a dry places that is not subjected to extremes of temperature. The safe operating temperature range of the product is +5 to +40 deg Celsius.
How to unpack and assemble
Check parts
Congratulations on purchasing your Contoured Advance Seat. Your Contoured Advance Seat will be boxed on receipt. You should first cut the straps and remove the outer lid and cardboard sleeve, you can then remove the protective packaging. Please check that you have all the parts you ordered.

⚠️ Caution heavy object, two people required to lift product safely.

⚠️ Safety First
Keep polythene bags away from children.

Never attempt to lift the chair on your own as it may cause injury. To lift the chair safely put the seat in its minimum height, then one person should lift the seat unit by holding the chassis at the front and the other at the rear by gripping the tubular frame of the chassis.

Once the product has been removed from it's packaging you are then ready to set up your Contoured Advance Seat for the user. A number of adjustments outlined below require the use of allen keys, which are supplied with each seat and are located in receivers underneath the seat base or in the enclosed document wallet.
7.1 How to attach the Leckey headsupports

A multi-adjustable contoured high back and the flat high back are attached in the same way. Remove the headsupport from its packaging. The mounting bracket will be attached to the upright tube. Place over the top of the backrest central spine and secure it using the allen bolts and washers provided. Hand tighten the bolts with the allen key provided, check that the headrest is securely fixed in position.

7.2 How to attach the Whitmyer Head rest

Leckey offer a wide range of Whitmyer head supports to deal with all your positional needs. Your headsupport will be supplied with a mounting bracket already attached to the upright stem. Place over the top of the backrest central spine and secure it using the allen bolts and washers provided. Hand tighten the bolts with the allen key provided, check that the headrest is securely fixed in position.
7.3 How to attach the Lateral supports

The flexible lateral supports attach to the back of the chair to provide both lateral and anterior trunk support as required. To attach first loosen the allen bolts on the back of the seat, but do not remove. Then slide the bracket in place aligning the slots in the lateral bracket with the screws.

7.4 How to attach the Thoracic Cross Strap and Chest Harness

The Thoracic Cross Strap and Chest harness are attached in the same way. The harness will come supplied with all necessary hardware attached. The end with the metal plates attached need to be secured to the top of the backrest. Slide the two metal plate into the desired slot, insert the screws (A) and tighten securely.

The lower straps are attached to the seat base on the underside of the base plate. To attach remove the outermost screws on the base plate, position the strap eyelet over the hole and replace the screws and washers and re-tighten securely.
7.5 How to attach the Side Pads

To attach your side pads, unscrew the locking plates from the metal bracket as illustrated. Then slide the plate under the support bracket, lining the holes up with the slot. Insert the screws and washers and secure with an allen key. Hand tighten the screws and check that the side pad cannot be moved.

7.6 How to attach the Kneepads

To attach the kneecups and mounting hardware, first remove the locking plate and place behind adjuster plate as illustrated. Place the bracket over the plate, lining up the holes and insert the screws and washers. Tighten the screws so that the bracket does not move.
7.7 How to attach the Pommel

The pommel is attached to the seat by sliding it between the calf supports and inserting it into the bracket, which is located underneath the seat base. Tighten the screw so that the bracket does not move.

7.8 How to attach the Sandals

Remove the sandals from the packaging, unscrew the plastic knob from the underside of the sandals and remove the metal and rubber washer along with the knob. Align the screw with the slot in the foot plate, replace the rubber washer and then the metal washer before tightening the plastic knob. Make sure the sandal does not move when the knob has been tightened.
7.9 Activity Tray

The tray is attached to the seat and removed by the metal brackets located underneath the armrest. Slide the tray tubes into the receiver brackets in the armrests. Once the tray is located in position the plastic knob (a) should be tightened securely. The tray is fitted with poppers which act as adjustment limiters for the recommended maximum depth adjustment.

7.10 Grab Rail
(Suspension Rail)

The Grab rail is attached to the tray by two swivel brackets at either end. Loosen the knob (a) as illustrated, rotate the locking plate under the tray and re-tighten the knobs as this may cause damage to the tray.

⚠️
Do not over tighten the knobs as this may cause damage to the tray.
Clinical setup for postural management

The clinical setup of the product should be completed by a technically and clinically competent person who has been trained in the use of the product. Leckey recommend a written record is maintained of all clinical setups for this product.

Set the backrest height, set depth and footplate height before placing the child in the seat. These can be fine tuned when the child is in the seat.
8.1 Seat Depth Adjustment

To adjust the seat depth loosen the allen bolts (a) located underneath the seat base at either side, then pull or push the seat to the depth you require and fix it by re-tightening the allen bolts securely. Check that the seat is secure and does not move or slide once the bolts have been tightened. The seat depth on the split

8.2 Backrest height

The overall height of the backrest can be adjusted by loosening the allen bolts (A) and then positioning the backrest to the required shoulder height of the user. Once in position the allen bolts should be tightened securely.

⚠️ Use caution when adjusting as fingers could become trapped between moving and static parts.
8.3 Backrest Angle

The back rest can be angled by loosening the tri knob located at the bottom of the backrest while holding onto the handlebars. Simply select the position you require and tighten the handle securely in position. There are indents in the adjuster bar which are in 5 degree increments, make sure the adjusting knob is aligned with these indents for a more secure lock. This is particularly important if the child is active and thrusts in the seat.

The split back support can be adjusted in height and angle by loosening the allen bolts (B) located at the back of the support. Once the support is in the required position the allen bolts should be tightened securely.

⚠️ Always check the components are secure by ensuring they do not move when you apply pressure to them.

8.4 Footplate Height

To adjust the height of the footplate loosen the allen bolt (a), which attaches the footplate assembly to the back of the calf-support, select the position you require and re-tighten the bolt securely. A popper will engage when the maximum safe adjustment of the supports has been reached, do not adjust past this point.
8.5 Calf Support Angle

To change the angle of the calf support loosen the allen bolt (b) located at the side of the seat base, select the angle you require and re-tighten securely.

⚠️ Always use caution to ensure that fingers do not become trapped in the slot while adjusting.

8.6 Footplate Angle

To set the angle to accommodate plantarflexion or dorsiflexion simply loosen or tighten the allen bolt (c) located at the side of the footplate.
Before placing the user in the seat unclip the central plastic buckle and loosen the four straps to their maximum, making sure the straps are fed under the hip guides. Place the user in the seat and fasten the central buckle. To secure the user pull the two top straps towards you. Pull the two side straps up to fine tune the pelvic position and adjust the height of the pads on the pelvic girdle. Also depending on clothing worn the straps may need to be adjusted to suit.

⚠ Always attach the pelvic strap first before making any other adjustments.

⚠ Check the harness regularly to ensure the child is safe and cannot slide forward in the seat.

8.7 Four Point Pelvic Strap (Lap strap)

8.8 Side Pad Adjustment

To adjust the pads both laterally and in angle loosen the allen bolts (A), select the position you require and then re-tighten. A separate set of allen bolts (B) are used to adjust the length of the side pads. Once again these should be loosened, the positioned required selected and then the allen bolts re-tightened.
8.9 Sandals

To position the sandals simply loosen the knob (B) under the footplate, select the position you require and re-fasten the knob. To position the user's feet in the sandals secure the Velcro ankle and toe straps provided.

8.10 Flip Away Knee Cups

To adjust the depth and height of the knee cup loosen the allen bolts (a), position as required and re-tighten the allen bolt securely. To adjust the knee cup laterally, simply loosen the allen bolt (b) at the front of the knee cup, position and re-tighten until the kneecup cannot move. To flip the knee cups out of the way pull up on the quick release mechanism (c), and then swing it to the side. To lock the knee cup back into position simply pull up on the quick release, swing it back towards the front seat and lock into position.
8.11 Pommel

The depth of the pommel can be adjusted by loosening the bolt (A), positioning as required and then retightening. Always check that the pommel is secure and does not move when pressure is applied.

8.12 Flexible Lateral Supports

Loosen the allen bolts to adjust the width and height of the lateral supports and retighten when you have selected the desired position. The strap can then be secured at the front to give the optimal position for the user.

⚠️ Check the laterals regularly to ensure they have not become loose as without appropriate trunk support the child may be at risk of slipping into a position they cannot recover from and could restrict their breathing.
8.13 Multi-Adjustable Contoured High Back

To adjust the height of the high back loosen the allen bolt (a) located just below the handlebar, position as required and then re-tighten. To adjust the depth, loosen the allen bolt (b), position as required and then re-tighten. Finer angle positioning of the head support can be attained by loosening the three allen bolts (c) making the adjustments and re-tightening.

⚠️

A popper will engage when the maximum safe adjustment of the metal tubing has been reached, do not adjust past this point.

The Whitmyer range of headsupports can be used with this seating system.
To adjust the depth of the activity tray, slide the metal tubes into the receivers in the armrest. Tighten the plastic knobs (A) once you set to the required depth. There are limit poppers in the end of the tray tubes to show the maximum depth adjustment allowed. These may need to be depressed to remove the tray.

To adjust the height loosen knob (B) set to the required height and retighten. The angle of the tray can be adjusted to help facilitate reading or to provide additional support for the child. To adjust the angle loosen knob (C) on either side of the tray, set to the required angle and retighten.

⚠️ Always use caution when inserting the tray to make sure the child’s hands or arms do not become trapped.

⚠️ Never use the tray to steer or push the chair.

⚠️ Always use caution when height adjusting the armrest to insure fingers do not become trapped in the slot while adjusting.

⚠️ Do not place hot objects on the tray, greater than 40 degrees Celsius.

⚠️ Please note that the tray is for the use of the user only. Do not lean or place heavy objects on the tray greater than 8kgs (17.6lbs).
8.15 Thoracic Cross Strap and Chest Harness

The harness can be adjusted at the top and bottom by the adjustment straps to achieve the desired position for the user. To remove the cross harness unclip the plastic buckles from the straps at the top and bottom.

⚠️ Check the harness regularly to make sure the plastic buckles are locked in position. Also check the attachment screws on a weekly basis and tighten with the allen key provided. Check the straps daily and ensure they are not loose as they may restrict the users breathing if not fitted properly.

8.16 Grab Rail (Suspension Rail)

The Grab rail is attached to the tray by two swivel brackets at either end. Loosen the knob (a) as illustrated, rotate the locking plate under the tray and re-tighten the knobs as this may cause damage to the tray. The height adjustable grab rail can also be used as a suspension rail. To adjust the rail height, loosen the plastic knobs (B), set to the desired height and then re-tighten securely.
Frequent adjustment for daily use (therapists/carers/parents)

Parents and carers should be shown how to make frequent adjustments and made aware of the safety checks in Section 6 by a technically and clinically competent person who has been trained in the use of the product. Leckey recommend that a written record is maintained of all parents and carers who have been trained in the use of this product.
9.1 Transferring your child into and out of the seat

Before transferring the child into the seat carry out the daily product inspection as outlined in section 11 of this user manual.

Adjust the seat to a comfortable height to facilitate transfer. Lock all the castors, ensuring that they are facing outwards to maximise product stability. Make sure the safety buckle on the lateral supports is released and the laterals are opened out to facilitate the transfer.

Unclip the pelvic harness in the middle and allow the pads and straps to drape over the top of the side pads if fitted. If supplied with the product open the straps on the sandals. You are now ready to transfer or hoist the child into the seat.

⚠️ Always secure the pelvic harness first before fastening other buckles or harnesses. Adjust the harness so the child cannot slide or creep forward in the seat.

9.2 Adjusting the 4 point pelvic strap

The correct positioning and tensioning of the pelvic strap is key to a child’s postural management affecting their comfort and ability to achieve functional goals. Please ask your therapist as to the correct tensioning of straps for your child as this is critical to good postural management.

To tension the pelvic straps and pads around the child pull the two top straps towards you. Pull the two side straps up to fine tune the pelvic position and adjust the height of the pads on the hips.

⚠️ If the child is active or has extensor spasms check the 4 point pelvic strap is secure after each spasm to ensure the child is safe and cannot slide forward in the seat.
9.3 Seat Height adjustment – foot pedal operated

To height adjust the seat press down on the pedal at the back of the base. While holding the handle bars push down or pull up the seating unit to the height you require. Once you remove your foot from the pedal the seat will be fixed at the chosen height. You can carry out this adjustment with the child in the chair. We recommend that if the user is over 25kgs (55lbs) that two people height adjust the seat to ensure the carer does not cause undue back strain.

For safety the height adjustment can be locked in position. When the pin (A) to the right hand side of the pedal is engaged the height adjustment on the seat is locked. To unlock pull the pin out and rotate 90 degrees, the pedal can then be operated.

⚠️ Always keep the locking pin engaged to ensure the footpedal isn't accidentally operated.

9.4 Seat Height adjustment - powered height adjustment

The powered chassis can be easily adjusted with the push button control handset. The seat can be height adjusted with the client in the chair. Before the product is used for the first time it is recommended that the battery should be fully charged for 12 hours. To do this plug the adaptor into the mains socket and attach the lead (A) to the battery and switch on the mains supply power. When charged switch off mains power, remove the adaptor plug and disconnect the lead from the battery. The battery charge should be topped up each day for approximately one hour. The chair can be adjusted in height while connected to the mains.
9.5 Tilt-in-space

The tilt in space can be angled while the user is in the seat. Before you adjust the tilt-in-space angle of the seat always ensure the pelvic strap is safely secured preventing the user from sliding forward in the seat.

To adjust the tilt angle press the lever under the seat base. Once you have selected the angle you require, by simply removing your hand from the lever, the chair will be locked in position. The tilt in space should be locked off while the user is in the seat. To lock the lever twist the pull pin to the right hand side of the lever and the pin will pop into position. You may have to lift the lever slightly to allow it to lock. To unlock pull the pin out and rotate 90 degrees, the lever can then be operated.

9.6 Adjusting the 4 point pelvic strap

⚠️ Always keep the tilt in space lever in the locked position to prevent accidental actuation of the lever which could cause the seat unit to jolt and possibly cause injury to the child.

⚠️ Please use handle bars when operating tilt in space.

⚠️ Always check with your therapist that the use of “tilt in space” will not cause any obstructions to the child’s airways.
9.7 Adjusting laterals, thoracic or chest harnesses

If the child requires chest support as part of their postural support programme the chair will be fitted with laterals or a combination of laterals or thoracic chest harnesses. These may need to be adjusted on a daily basis to accommodate differences in clothing. Always check with your therapist as to the optimum positioning and tensioning of the straps and support items for the child.

Please refer to section 8 for specific guidance on setting adjusting these components.

Always make sure the safety strap is fastened when using flexible laterals.

⚠️ Check the harness and laterals regularly to ensure the child is safe and cannot slide forward in the seat as this may restrict their breathing.

9.8 Kneecups

The position of the kneecups is critical to the postural alignment of the child. If you think they have been moved out of position contact the therapist so they can readjust them.

To transfer the child in and out of the seat you will need to flip the kneecups out of the way. To do this pull up on the quick release mechanism (c), and then swing it to the side. To lock the knee cup back into position simply pull up on the quick release, swing it back towards the front seat and lock into position.

⚠️ Always use caution when flipping the kneecups away as the kneecap is very sensitive.

⚠️ Always leave a finger width space between the pad and child’s kneecap. If the knees are placing a lot of pressure on the pads it is likely that the child is not seated back far enough in the chair, check they are seated correctly.
9.9 Sandals

To position the user’s feet in the sandals secure the Velcro straps provided so the foot is held in place. The straps should be placed over the bridge of the foot and over the toes.

⚠️

If the child is wearing sandals check the straps regular to make sure the webbing does not irritate the skin.

9.10 Tray adjustment

The activity tray can be used for a range of functions and its position can be fine tuned to suit the user and the activity whether it is for fun, education or feeding. To attach the tray and adjust the depth slide the metal tubes into the receivers in the armrest. Tighten the plastic knobs (A) once you set to the required depth.

To adjust the height loosen knob (B) set to the required height and retighten. The angle of the tray can be adjusted to help facilitate reading or to provide additional support for the child. To adjust the angle loosen knob (C) on either side of the tray, set to the required angle and retighten.
Always use caution when inserting the tray to make sure the child’s hands or arms do not become trapped.

Never use the tray to steer or push the chair.

Always use caution when height adjusting the armrest to ensure fingers do not become trapped in the slot while adjusting. A fabric cover is available to cover this slot if requested.

Do not place hot objects on the tray, greater than 40 degrees Celsius.

Please note that the tray is for the use of the user only.

Do not lean or place heavy objects on the tray greater than 8kgs (17.6lbs)

10 Cleaning & Care Information

How to Maintain
When cleaning the seat we would recommend that you use only warm water and a non-abrasive detergent. Never use organic solvents or dry cleaning fluids.

Upholstery and fabrics
1. The covers on the seating system can be cleaned by hand whilst in place. When cleaning the covers and the seat we recommend that you use only warm water and a non-abrasive detergent.

2. Best cleaning method is ‘wipe & dry’ technique.

3. Staining should be removed as quickly as possible with absorbent cloth, towels or a sponge. Routine soap and warm water sponging is effective for ordinary soiling and minor spills. Be careful not to over wet the fabric as this will cause the stains to spread.

4. Antiseptic cleaning agents can be used on more stubborn stains. These may require a safe solvent such as Isopropyl Alcohol or Mineral Spirit. A half cup of household bleach to 5 litres of water can also be used as a useful disinfectant.

5. The Pelvic and Trunk Harnesses can be machine washed at 40 Deg C. Make sure all bolts and fasteners are removed first as they may cause damage to your washing machine. Store these in a safe place and out of reach from children.

6. Always ensure the product is dry before use.
Metal, wood and plastic components
1. Soap and water or antibacterial spray can be used for daily cleaning.
2. For deep cleaning a low pressure steam cleaner can be used.
3. Do not use solvents to clean plastic or metal components.
4. Check all wooden components regularly to ensure there are no cracks or splinters.
5. Make sure the product is dry before use.

(Therapists, parents & carers)
We recommend that daily visual checks of the equipment are carried out by therapists, carers or parents to ensure the product is safe for use. The recommended daily checks are detailed below.

1. Ensure all adjustment knobs and bolts are in place and secure.
2. Check all upholstery for signs of wear and tear.
3. Check all castors are moving freely and lock securely.
4. Ensure the handle on the seat interface plate if fully engaged and the seat unit is securely fixed onto the chassis.
5. Ensure the pelvic harness is fully secured around the user and they cannot slide or creep forward in the seat.
6. Ensure the footplate is attached securely.

⚠️ If in any doubt to the continued safe use of your Leckey product or if any parts should fail, please cease using the product and contact our customer service department or your local dealer as soon as possible.
12 Annual Product Inspection

(Therapist, Technician, Leckey Product Advisor, Dealer)

Leckey recommend that each product should be subject to a detailed inspection at least once a year and every time the product is reissued for use. This inspection should be carried out by a technically competent person who has been trained in the use of the product and should include the following checks as a minimum requirement.

1. Check all knobs, nuts, bolts and plastic buckles are in place, replacing any missing items. Paying particular attention to the following items;
   > Headsupport locking bolts
   > Backrest height and angle adjustments bolts
   > Seat depth adjustment bolts
   > Pelvic harness / hip guide attachment bolts.
   > Footrest height and angle adjustment

2. Check the chassis height adjustment mechanism is working properly. If the chassis is foot pedal operated ensure the seat height doesn’t change when the pedal is released. Also, check that the locking pin engages securely to prevent accidental height adjustment of the chassis.

3. For powered chassis check all cables and connectors are in tact and are not showing signs of wear and tear. Operate handset to raise and lower the seat unit several times making sure that it runs at continuous pace.

4. Adjust the seat to its maximum range of tilt-in-space and ensure that the locking lever locks the seat out securely at varying point in this range.

5. Check that where the seat and chassis join there is no visible wear or tear on the metal components.

6. Lift the base to check each castor individually. Make sure they are moving freely and remove any dirt from the rubber wheels. Check that the brakes lock the wheels securely.

7. Visually check the structure of the product paying attention to weld points on the frame ensuring there are no signs of fatigue or cracking around the welds.

8. Leckey recommend that a written record is maintained of all annual product inspections.

⚠️ If in any doubt to the continued safe use of your Leckey product or if any parts should fail, please cease using the product and contact our customer service department or your local dealer as soon as possible.
Most Leckey products are assessed and ordered to meet the needs of an individual user. Before reissuing a product we recommend that the therapist prescribing the product has carried out an equipment compatibility check for the new user and has ensured that the product being re-issued contains no modifications or special attachments.

A detailed technical inspection should be carried on the product prior to re-issuing. This should be carried out by a technically competent person who has been trained in the use and inspection of the product. Please refer to section 12 for the required checks to be carried out.

Ensure the product has been cleaned thoroughly in accordance with section 10 of this manual.

Ensure a copy of the user manual is supplied with the product. A copy can be downloaded from our website www.leckey.com.

Leckey recommend that a written record is maintained of all product inspections carried out during the reissue of the product.

If in any doubt to the continued safe use of your Leckey product or if any parts should fail, please cease using the product and contact our customer service department or your local dealer as soon as possible.

Servicing of all Leckey products should only be carried out by technically competent persons who have been trained in the use of the product.

In the UK & ROI please contact the Leckey Service Centre on UK 0800 318265 or ROI 1800 626020 and our customer service department will be delighted to assist you with your servicing requirements.

All international service enquiries should be directed to the appropriate Leckey distributor who will be delighted to assist you. For further information on Leckey distributors please visit our website www.leckey.com.
15 Technical Information

Contoured Advance Seat
Accessories Sandals

CAS / # / 100
Flipaway Knee Cup Assembly

CAS / # / 170
Pommel

CAS / # / 102-*
Flexible Lateral Supports

CAS / # / 103-*
Multi Adjustable Contoured High Back

CAS / # / 104
Side Pads

CAS / # / 110-*
Grab/Suspension Rail

CAS / # / 107
Grab Posts

CAS / # / 108
Padded Tray Insert

CAS / # / 109
Flat High Back

CAS / # / 111-*
Lateral Supports for Flat High Back

CAS / # / 112-*
Standard Lateral Supports

CAS / # / 113-*
Pro-Series Bracket

CAS / 1 / 115
Hyper Extension Pads

CAS / # / 116-*
24mm Sandal Raiser

CAS / # / 117
Thoracic Cross Strap

CAS / # / 156
Chest Harness

CAS / # / 157

* Please specify fabric colour at time of order.

For product sizes insert size 1, 2 or 3 in place of #.
# 16 Countoured Advanced

## Seat dimensions

Dimensions in (cm) and Weights in (kg)

<table>
<thead>
<tr>
<th></th>
<th>Size 1</th>
<th>Size 2</th>
<th>Size 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foot Pedal (seat to ground)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min</td>
<td>28</td>
<td>34</td>
<td>N/A</td>
</tr>
<tr>
<td>Max</td>
<td>65</td>
<td>65</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Powered (seat to ground)</strong></td>
<td>N/A</td>
<td>37</td>
<td>37</td>
</tr>
<tr>
<td>Min</td>
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</tr>
<tr>
<td><strong>Seat Depth</strong></td>
<td>20</td>
<td>26</td>
<td>34</td>
</tr>
<tr>
<td>Min</td>
<td>31</td>
<td>38.5</td>
<td>4</td>
</tr>
<tr>
<td>Max</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Seat Width</strong></td>
<td>14.5</td>
<td>19.5</td>
<td>24.5</td>
</tr>
<tr>
<td>Min</td>
<td>29.5</td>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>Max</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Seat to Sandal</strong></td>
<td>19</td>
<td>24.5</td>
<td>32</td>
</tr>
<tr>
<td>Min</td>
<td>30</td>
<td>39</td>
<td>52</td>
</tr>
<tr>
<td>Max</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Seat to top of Backrest</strong></td>
<td>29</td>
<td>34.5</td>
<td>42.5</td>
</tr>
<tr>
<td>Min</td>
<td>35</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Max</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Back width (Distance between laterals)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min</td>
<td>14</td>
<td>18</td>
<td>22</td>
</tr>
<tr>
<td>Max</td>
<td>24</td>
<td>29</td>
<td>34</td>
</tr>
<tr>
<td><strong>Tray Height (seat to top of tray)</strong></td>
<td>15.5</td>
<td>15.5</td>
<td>18</td>
</tr>
<tr>
<td>Min</td>
<td>25</td>
<td>25</td>
<td>3</td>
</tr>
<tr>
<td>Max</td>
<td>20kg</td>
<td>50kg</td>
<td>80kg</td>
</tr>
<tr>
<td><strong>User Weight</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Max</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tilt in Space</strong></td>
<td>10¼</td>
<td>10¼</td>
<td>10¼</td>
</tr>
<tr>
<td>Prone</td>
<td>22.5¼</td>
<td>22.5¼</td>
<td>22.5¼</td>
</tr>
<tr>
<td>Recline</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Backrest Recline</strong></td>
<td>15¼</td>
<td>15¼</td>
<td>15¼</td>
</tr>
<tr>
<td>Prone</td>
<td>25¼</td>
<td>25¼</td>
<td>25¼</td>
</tr>
<tr>
<td>Recline</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lower Back Support</strong></td>
<td>-30¼</td>
<td>-30¼</td>
<td>-30¼</td>
</tr>
<tr>
<td></td>
<td>+30¼</td>
<td>+30¼</td>
<td>+30¼</td>
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<tr>
<td><strong>Product stability guidelines</strong></td>
<td></td>
<td></td>
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<tr>
<td>Forward</td>
<td>10 degrees</td>
<td>8 degrees</td>
<td>5 degrees</td>
</tr>
</tbody>
</table>
LINAK Actuator specification - 281209-01
Rated IP51
Duty Cycle  Max 10% or 2 min continuous use followed by 18 min not in use.
Ambient temp +5deg to +40deg C
Ambient Operating temp 22deg
Storage temp -40deg C to 70deg C
Push Max 3500N
Pull Max 2000N
Self Lock at 3500N Push – 2000N Pull
Typical speed with full load 4.7mm/sec
Max amps at load of 3500N is 3.9 amps
Noise level dB(A) 48
Power input voltage 24v +- 10%

LINAK Battery Box - BA18021-00
Rated IP51
Ambient temp +5deg to 40deg C
Storage temp -20deg C to 60deg C
Rated Capacity 1.2 Ah 24v
Charging current is max 0.3A
Lead acid gel filled battery

LINAK Handset - HB41000-00004
Rated IP51
Control current 100mA per channel (Max)
Ambient temp +5deg to +40deg C

LINAK Battery Charger - CH01
Mains 100-240 VAC/50-60 Hz switch mode power supply
Charging voltage 27.6 VDC +- 2%
Charging current Max 500mA
Green LED for power on
Yellow LED for charging function
Yellow LED turns into green when batteries are fully charged.

LINAK products may be stored in non-heated storage facilities with humidity between 0 and 100%, none condensing. None condensing means that one should not take a product from an ice cold warehouse into a room with a temperature of 20deg C; if this is done then moistness will appear on the products.