

LECKEY[®]

KIT Seating System
User Instructions

A black and white photograph of a specialized medical or dental chair. The chair features a patterned upholstery with a repeating geometric design. It is equipped with a safety harness system, including a chest strap and a pelvic belt, both with buckles. The chair has adjustable armrests and a headrest. The background is plain white.

KIT Seating System User Instructions



The KIT Seating System has been designed to offer a high level of postural positioning while enabling function and mobility. This manual shows you how to quickly, easily and safely make use of all the functions. The instructions on safety and maintenance will ensure that you will enjoy the use of this product for a long time.

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1. Intended Use

The KIT Seating System is a seat that has been designed for use by adults and teenagers (from 12 years old) with disabilities, in the home, in day centres, in schools and outdoors, if used on a mobility base. The seating system has a maximum user weight of 75kg (165lbs). The seating system is modular and can be used with a choice of indoor or outdoor chassis. The Hi-low chassis has been designed for indoor use but can also be used outdoors on an even surface. The Hi-low chassis should never be exposed to the elements as this may corrode the metal components.

The Kit seat unit will interface with a range of mobility bases, the details of which can be found on our website, www.leckey.com.

2. Declaration of Conformity

James Leckey Design Ltd as manufacturer with sole responsibility declares that the Kit Seating System conforms to the requirements of the 93/42/EEC Guidelines, Medical Device Regulations 2002 and EN 12182 Technical aids for disabled persons 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 manufacturers' recommendations (also see general terms of sales, delivery and payment). A two year warranty is provided on all Leckey manufactured products and components.

4. Product History Record

Your Leckey product is classified as a Class 1 Medical Device and as such should only be prescribed, set up or reissued 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 set ups, reissue inspections and annual inspections of this product.

5. Product Training Record (Parents, Teachers & Carers)

Your Leckey product is classified as a 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 8

Clinical Set up for Postural Management

Section 9

Cleaning and Care

Section 10

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 Safety Information



6.1 Always read instructions fully before use.



6.2 Users should not be left unattended at any time while 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 carer at risk and will invalidate the warranty on the product.



6.4 If in any doubt to the continued safe use of your product or if any parts should fail, please cease using the product and contact our customer services department or 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 this product. Some adjustments may require the use of a tool which is provided with each product. Keep all tools out of reach of children.



6.6 When placing the user into a seating system, for safety and positional reasons, always secure the Pelvic Cradle first.



6.7 When the product is stationary ensure that all wheels are locked and facing away from the base as this will improve product stability. This is especially important when the tilt in space or back recline facility is in use.



6.8 When the seat is in use on the Hi-low chassis we do not recommend that the users are moved over uneven surfaces when in the equipment. All due care and attention should be taken when transporting the user in and out of the seat.



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



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



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



6.12 Leckey products comply with fire safety regulations in accordance with EN12182. However the product contains plastic components and therefore should be kept away from all direct sources of heat including naked flames, cigarettes, electric and gas heaters.



6.13 Do not place hot items greater than 40° centigrade on the tray.



6.14 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.



6.15 When the product is not in use, it should be stored in a dry place that is not subjected to extremes of temperature. The

KIT Seating System – Crash Test



safe operating temperature range of the product is +5 to +40 degrees Celsius.



6.16 Always check the ratchet handles on the push handle are tightened securely before you move the seat unit.



6.17 Before using the seating system always check that the interface handle on the seat unit is fully engaged with the chassis and the locking pin is engaged. If the handle is not engaged properly, the seat unit may come loose and could cause serious injury to the user or carer.

The KIT Seating System has been crash tested and passed for use in vehicles. It has been tested in its complete configuration on a surrogate base with a Leckey head support attached.



If the KIT Seating System is being used in a vehicle, the following points must be adhered to:



The KIT Seating System must be positioned forward facing and used with an Unwin Restraint System and a Leckey head support, which should be suitably positioned at all times during transportation. The head support is available as an optional accessory with the KIT Seating System.



The KIT Seating System is crash tested and meets the requirements of ISO 16840 part 4. The seat has also been tested and meets the requirements of ISO 7176-19. The crash tests were carried out using a chest harness and Pelvic Cradle. For further details please contact our Customer Service Department.



Important

If you are using the KIT Seating System on a wheelchair base, please refer to the wheelchair manufacturer's handbook for crash test details.

How to unpack and assemble the seating system and fit the cushions



Check parts

Congratulations on purchasing your KIT Seating System. When opening the box, take care not to cut through the tape as you may damage some of the parts contained inside. All of the parts will be contained in polythene bags with each one clearly labelled. Carefully remove them from the boxes and check all the parts you have ordered.



Safety First

Keep polythene bags away from children.

Some of the accessories will need to be assembled before you attach them to the seat base you have purchased. If you are fitting the seat to a mobility base, please ensure you fit the interface plate to the mobility base first. Instructions on how to attach the interface to specific bases will be provided with the interface plate. Once you have checked all the components you are ready to assemble the KIT Seating System and attach it to its base. Please follow the order suggested as it is often easier to fit the cushions before assembling the hardware.

Tools

A number of the adjustments will require the use of the multi-tool, T-bar allen key or a 13mm spanner which are provided with each seat.



7.1 Attaching the Seating System to the Hi-low Chassis

Before attaching the seat unit to the base raise the height of the chassis to its maximum to reduce the risk of back strain.

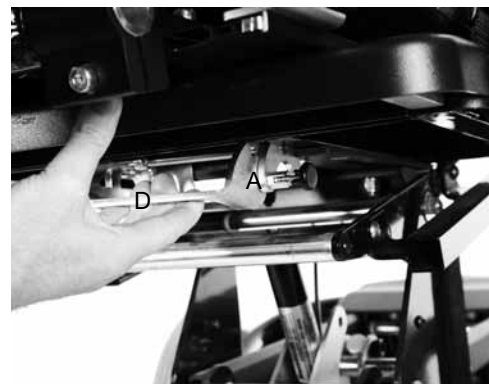
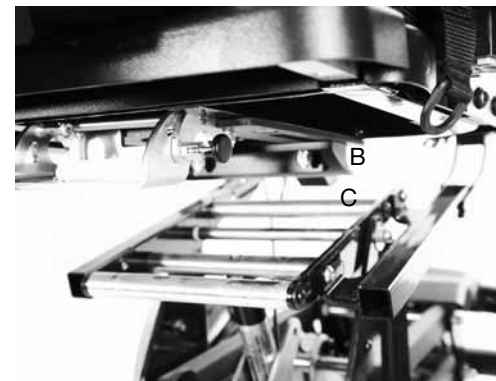
Release the safety locking pin at the front of the seat by pulling the pin (A) out and rotating it through 90 degrees. Carefully tilt the seat and place it onto the chassis, locating the channel (B) at the rear of the seat over the tube at the back of the chassis (C).

Pull the handle (D) at the front of the seat unit up and then pivot the seat down.

Once the seat is fully lowered, release the handle and push it forward to ensure it has fully engaged on the front tube. Rotate the safety locking pin (A) so that it engages in the front of the handle.

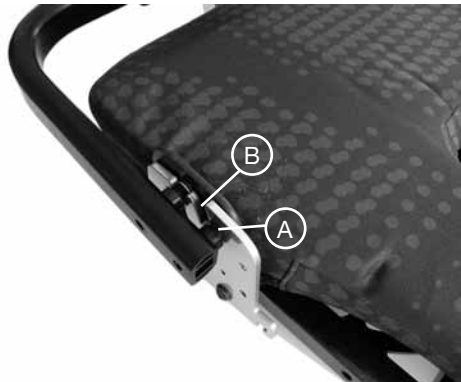


Always check the handle and locking pin are fully engaged before you place the user in the seating system. If the handle is not engaged properly, the seat unit can come loose and could cause serious injury to the user or the carer.



7.2 Removable Backrest spine

The removable backrest spine will be detached for shipping. Insert it into the side plates of the seat base, slipping the front pin (A) into the front slot (B) on both sides of the seat base. Angle the spine back. Place the pin (C) through the base of the spine.



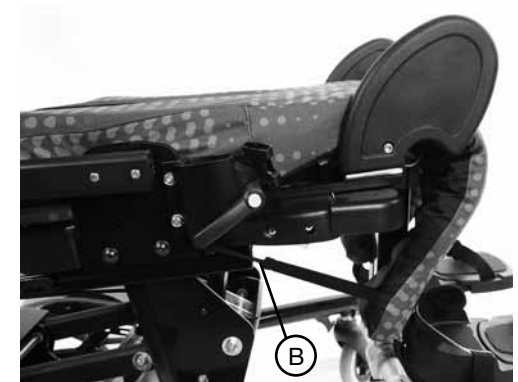
7.3 Fixed Backrest spine

If the fixed backrest spine option has been ordered, simply rotate the backrest into the vertical position and insert pin (A) through the base of the spine.



7.4 Seat Base Cushion

Fasten the two poppers (A) at the back of the seatbase. Press the cushion down onto the Velcro which is on the leg support ramps. Loop the elastic over the hooks (B) on the side of the seatbase.



7.5 Sacral support

Fit the sacral cushion over the hardware and fasten at the back with the poppers. The standard sacral support should be attached with the double flaps (A) at the top.

To attach the sacral support, slide the support onto the lowest mounting bracket on the backrest spine. Secure it with a bolt (B) on either side. Cover the bracket with a spine upholstery shroud (C).



7.6 Hip Laterals

To attach the hip laterals to the standard sacral support, loosen the screw (A) and insert the bar of the hip lateral into the hole on the side of the sacral support. Tighten the screw to secure.

To attach the hip lateral covers, slide the cover over the lateral support.



7.7 Contoured sacral support

To fit the contoured sacral support cushion, loosen the laterals using the screw (A) on the hinge. Insert laterals into pockets and fasten poppers on back.

Slide the support onto the lowest mounting bracket on the backrest spine. Secure it with a bolt (B) on either side. Cover the bracket with a spine upholstery shroud (C).



7.8 Thoracic Support

Fit the cushion over the hardware and fasten at the back with the poppers.

Slide the support onto the middle mounting bracket on the backrest spine. Secure it with a bolt (A) on either side. Cover the bracket with a spine upholstery shroud (B).



7.9 Standard and Complex Thoracic Laterals

The standard and complex (horizontal and vertical) laterals are attached in the same way to the thoracic support. Before attaching laterals, remove the thoracic cushion.

Before removing the bolt from the bracket components, make a note of the order in which the pieces fit together.

While holding the rest of the components together, remove the bolt and washer (A) with the Allen tool. Keeping the rest of the components together, place the plastic moulding into the slot (B). The bar should go into the recess of the thoracic support. Insert the bolt from the back and tighten. Fit the lateral covers.



7.10 Angle Adjustable Thoracic Laterals

The angle adjustable laterals are attached to the standard thoracic support. Position the lateral brackets over the slot in the thoracic supports and secure with two bolts (A).

Fit the cushion cover over the hardware and secure with the poppers.



7.11 Shoulder Support

To fit the shoulder support cushion, loosen the laterals using the screw (A) on the hinge. Insert laterals into pockets and fasten poppers on back.

Slide the support onto the top mounting bracket on the backrest spine. Secure it with a bolt (B) on either side. Cover the bracket with a spine upholstery shroud (C).



7.12 Pelvic Cradle

Fasten the front buckle and side Velcro tabs of the Pelvic Cradle. Ensure the “Back” label (A) is against the backrest and the “Seat” label (B) is on the seatbase cushion. Stick the Velcro down to the seatbase cushion. Attach the four side release buckles (C), two at the back of the seatbase and two at the side.



7.13 Chest Pad

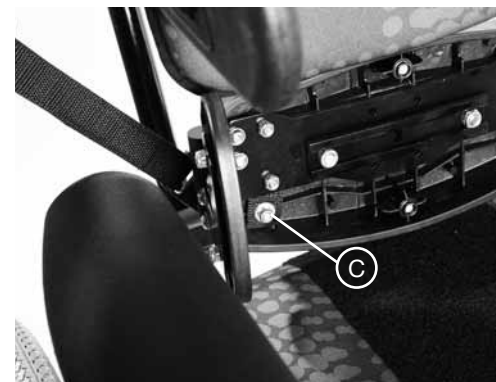
Screw the buckles onto the thoracic laterals. Attach the chest pad to the buckles (A).

We recommend that lateral covers are always fitted when using the chest pad. To attach lateral covers, slide them over the lateral ensuring that the slot is on the outside to access the chest pad attachment buckle.



7.14 Chest Harness

To attach the chest harness to the shoulder section, first remove the cushion and plastic cover. Feed the webbing into the holes (A) in the mouldings and fasten with the nuts and bolts provided. Attach the top straps to these buckles. The lower straps attach onto the buckles on the sacral support. If the standard sacral support is used, attach the webbing through the holes (B) at the top of the moulding and fasten with the nuts and bolts provided. If the contoured sacral cushion is used, attach the webbing through the holes (C) at the bottom of the moulding and fasten with the nuts and bolts provided.



7.15 Headrest

To attach the head support (Leckey or Otto Bock) slide the stem into the receiving bracket (A) and secure by tightening the screw (B).

The KIT Seating System has been designed to interface with Whitmyer head supports and a range of other supports that require a box section receiving bracket. Insert the Whitmyer interface bracket box section into the top of the spine. Secure the head support onto this bracket.

Whitmyer bracket

Box section bracket



7.16 Femoral Gables

Femoral gables are attached to the seat base using bolts (A). There are two bolts for each gable. Bolts should be firmly secured.

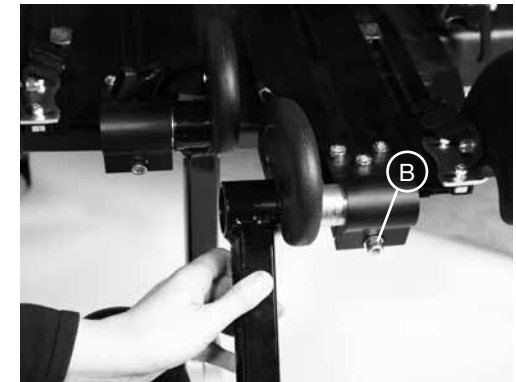
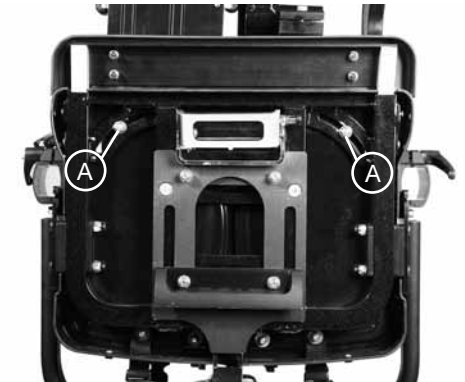


7.17 Foot Supports

Loosen the leg support nuts (A) on the underside of the seat base with a spanner. Move the leg supports forward one at a time. This makes it easier to insert the foot supports. Open the screws (B) and slide in the foot supports from the centre. Retighten the screws. Reposition the leg supports and retighten nuts.

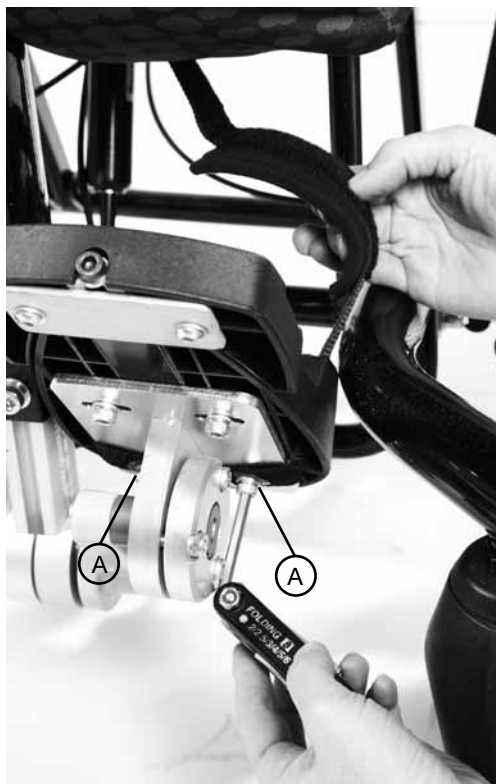


Always make sure the foot supports are attached securely.



7.18 Attaching the Sandal Straps

Sandal straps can be attached to the foot supports. Feed the back straps through the slots in the rear of the sandals. Remove the bolts on the underside of the sandals, thread the bolts (A) through the ends of the straps and refasten. The front straps are simply fed from below through the front slots on the sandals.



7.19 Armrests

To attach the armrests, loosen the ratchet handles (A) and insert the armrests with the side with the adjustment knobs (B) facing outwards.



7.20 Tray

Before attaching the tray, ensure the armrests are at the same height and angle. The tray is attached to the seat by inserting the tray tubes through the centre of the armrest. Tighten knob (A) to secure.



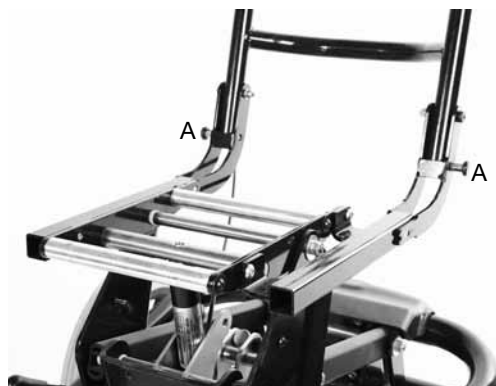
7.21 Attaching the Foam Spacer Pads

The foam spacer pads can be used to support an obliquity or under the thighs. They can be cut to size and attached using Velcro.



7.22 Setting up the Push Handle

Unfold the push handle until straight and secure in position with the spring popper (A) at either side.



7.23 Interfaces for wheelchair bases

The set up and attachment of the KIT seat to any mobility base should be completed by a technically competent person who is familiar with the set up of the mobility base.

The Leckey Mobility Base is built with an interface which fits the KIT seat.

45cm Discovery Interface attachment to 18" (450mm) wide mobility base

The KIT seat can be easily attached to the Discovery 45cm wide wheel base.

Please refer to specific assembly instructions supplied with your interface for correct positioning of your base. The interface should be fitted by a qualified technician who is technically competent in the set up of the mobility base. The position of the push handles, leg hangers and armrests on the mobility base may need to be adjusted depending on the size and weight of the user to ensure the stability of the seat.



Always refer to the mobility base manufacturer's guidelines for correct set up, paying particular attention to product centre of gravity and stability.



A thorough risk assessment should be carried out when attaching the KIT Seat to any mobility base not supplied by Leckey.

Leckey Mobility Base



45cm Discovery Base

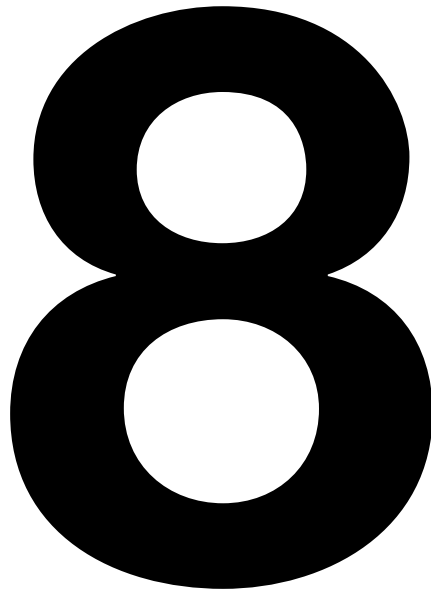
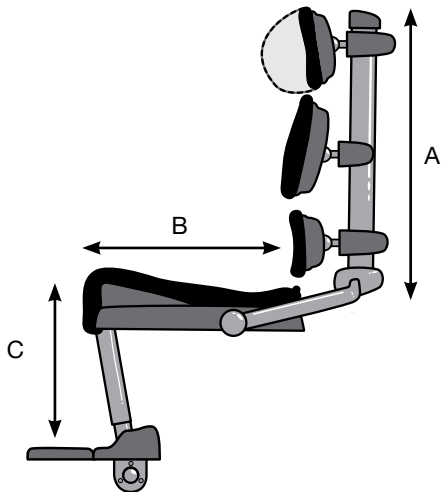


Clinical Set up for Postural Management

The clinical set up 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 kept of all clinical set ups for this product.

Leckey recommend that a full supine lying and unsupported sitting assessment is carried out prior to setting up the product.

Set the height and angle of each backrest section (A), the seat depth (B) and the foot support height (C) before placing the user in the seat. These can be fine tuned when the user is in the seat.



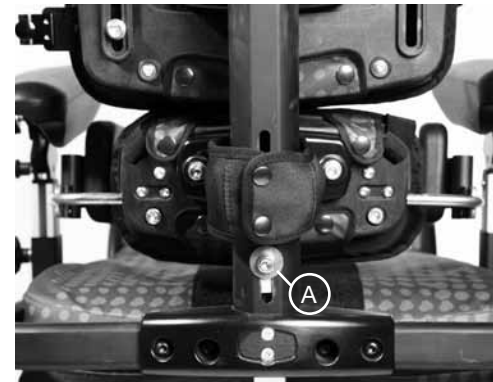
8.1 Backrest angle

To change the angle loosen the screw (A) at the bottom of the backrest spine, adjust to the required position and retighten the screw securely.

The backrest angle can be adjusted with the user in the seat.



Hold the backrest spine with one hand while you adjust the back angle.

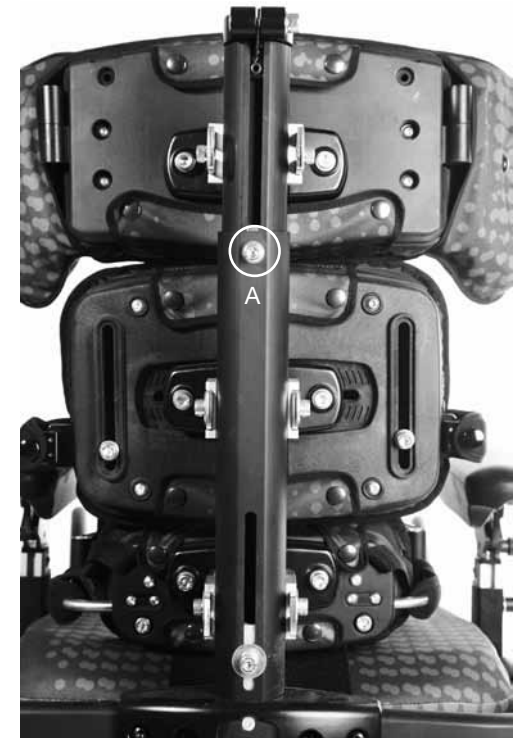


8.2 Backrest Height

To adjust the overall height of the backrest loosen the screw (A), adjust the shoulder section to the required position and retighten the screw securely. The height can be fine tuned with the user in the seat.



Use caution when adjusting to minimum setting as fingers could become trapped between moving and static parts.



8.3 Pelvic Cradle

When setting up the Pelvic Cradle for the first time with the client in it, the Pelvic Cradle should be flat and open before the user is placed into the Kit Seating System. All four side and back buckles should be already attached to the seat. When the client is placed in the seat, first fasten the buckle (A) at the front of the Pelvic Cradle. Then fasten the Velcro (B) at the sides to fit the Pelvic Cradle to the user. Then adjust the front and rear straps (C) and (D) to secure to position the user's pelvis.

After initial set up, only the front buckle (A) needs to be released when the user is transferred in or out of the KIT Seating System.



Once a week, check that the Pelvic Cradle has not become slack.



8.4 Gluteal ramp

If a gluteal ramp (A) is required, it can be attached by Velcro to the front of the Pelvic Cradle before the user is placed into the seat.

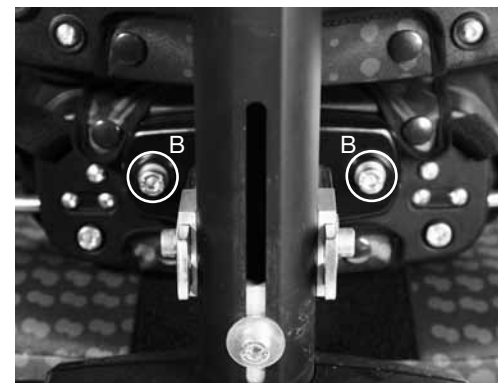
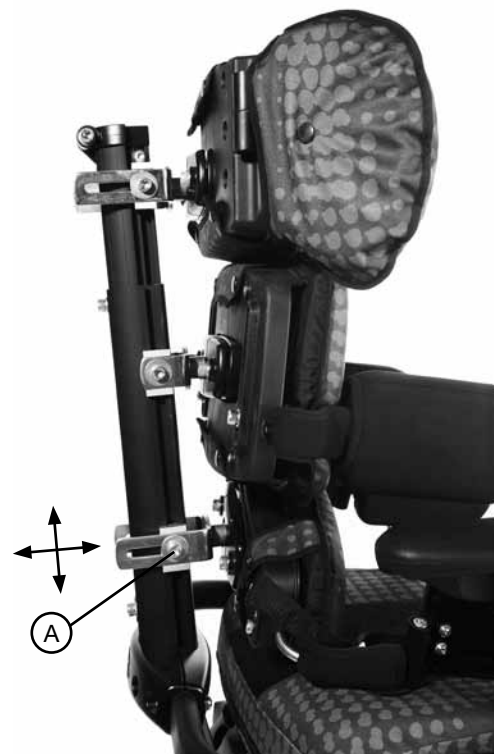


8.5 Sacral Support

The sacral support can be adjusted in a number of ways - height, depth and angle.

To adjust the height or the depth, remove the spine upholstery shroud and loosen the two screws (A) on either side of the bracket. Move the sacral support to the required position, height and depth. Retighten the screws and replace the spine upholstery shroud.

To adjust the angle of the sacral support, loosen both the screws (B) on the ball and socket joint. Position the support at the required angle. Retighten the screws.

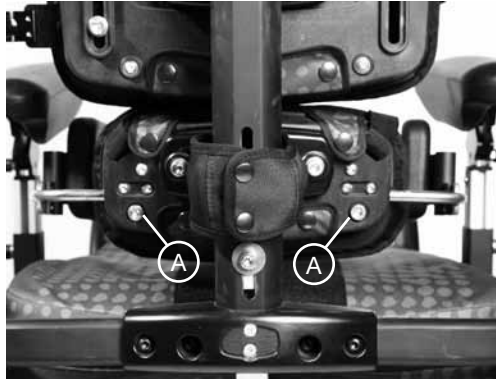


8.6 Hip Laterals

The hip laterals can be width and angle adjusted to suit the user's requirements. Loosen the screws (A) at the back of the sacral support. Move the hip laterals to required position. Ideally the hip laterals should always be rotated so they rest on top of the seat cushion even if the backrest or sacral support is angled. Once the hip laterals are in position, retighten the screws securely.

The laterals can also be angled to help support abduction, adduction or windsweeping.

To adjust the angle of the hip laterals loosen the screw (B) on the hinge of the hip lateral. Adjust to the required angle. Retighten the screw. The pads can also be adjusted in depth and a small degree of rotation by loosening the screws (C) on the pad, sliding it to the required position and retightening the screws.



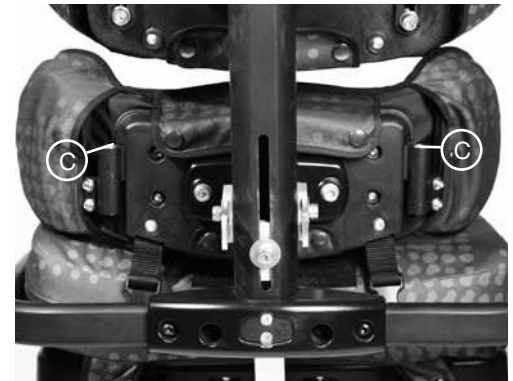
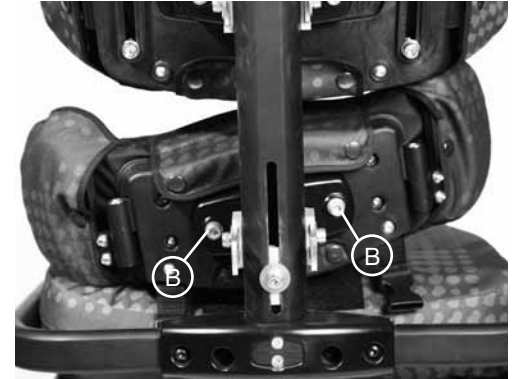
8.7 Contoured Sacral Support

The contoured sacral support can be adjusted in a number of ways - height, depth and angle.

To adjust the height or the depth, remove the spine upholstery shroud and loosen the two screws (A) on either side of the bracket. Move the sacral support to the required position. Retighten the screws and replace the spine upholstery shroud.

To adjust the angle of the sacral support, loosen both the screws (B) on the ball and socket joint. Position the support at the required angle. Retighten the screws.

The lateral supports can be angle adjusted to contour the pad and provide lateral pelvic support. To angle, loosen screw C, set to required angle and retighten securely.



8.8 Thoracic Support

The thoracic support can be adjusted in a number of ways: height, lateral position and angle.

To adjust the height, remove the spine upholstery shroud, loosen the two screws (A) on either side of the mounting bracket, slide to the required position and then retighten the screws securely.

To adjust the thoracic support laterally or in angle, loosen both the screws (B) on the ball and socket joint, position the support at the required angle or lateral position and then retighten the screws securely.



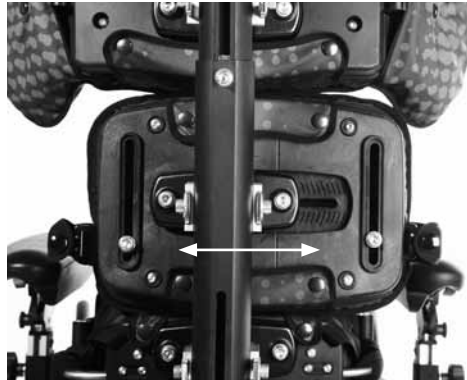
8.9 Standard and Complex Thoracic Laterals

The standard and complex laterals, horizontal and vertical options can be used in whatever combination is most suited to the user's requirements. It is possible to attach more than one lateral to the same side of the thoracic support if required.

To adjust the height, width or angle of these laterals, loosen the screw (A) on the lateral mounting. Position the lateral at the required height, width and angle. Retighten the screw.

The complex laterals can also be angled to allow the pad to contour to the user's shape. To adjust loosen the screw (B) at the centre of the pad, angle the pad to the required position and retighten the screw.

All of the laterals can be flipped away to aid transfer, by pulling the pin (C) at the back and rotating the support out of the way.



8.10 Angle Adjustable Thoracic Laterals

To adjust the angle of the laterals, loosen the screws (A) at the hinges. Contour the laterals to the required angle. Retighten the screws. The laterals have a small degree of depth and rotational adjustment for more proximal positioning. Loosen screws (B) adjust the pad and retighten the screws securely.

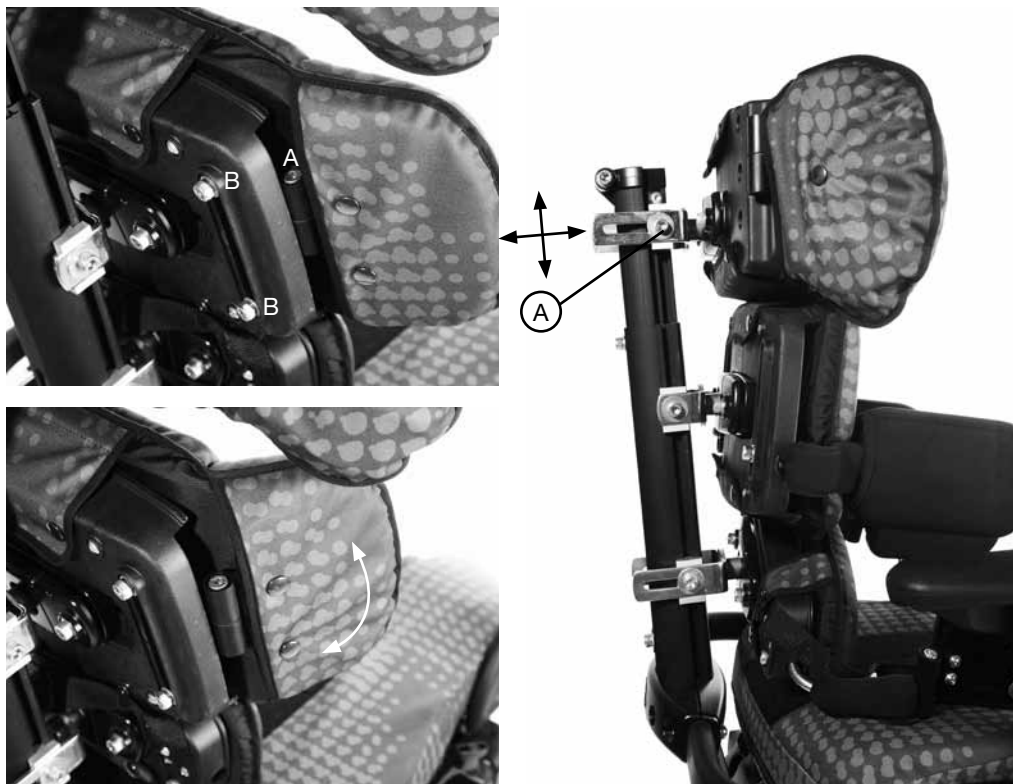
8.11 Shoulder Support

The shoulder support can be adjusted in a number of ways – height, depth and angle.

To adjust the height or the depth, remove the spine upholstery shroud, loosen the two screws (A) on either side of the mounting bracket. Move the shoulder support to the required position. Retighten the screws and replace the spine upholstery shroud. If further height adjustment is required, please refer to the section on Backrest Height. The Size 2 shoulder support can also be attached to the Size 1 seat to further increase the backrest height.

To adjust the angle of the whole shoulder support, loosen both the screws (B) on the ball and socket joint. Position the support at the required angle. Retighten the screws.

To adjust the angle of the wings of the shoulder support, loosen both the screws (C) at the hinges. Contour the shoulder support to the required shape. Retighten the screws.



8.12 Headrest

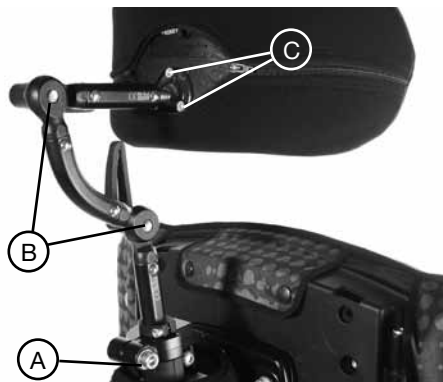
To adjust the height of the headrest, loosen the screw (A) at the top of the backrest spine. Position the headrest to the required height to suit the user's head position. Retighten the screw.

To position the headrest, loosen one or both of the plastic handles (B) at the hinges of the headrest mounting. Position the headrest as required. Retighten the screws.

To angle or rotate the head support, loosen screws (C), set to required position and retighten securely.

To change the profile of the Profiling Contoured Headrest, remove the cover, loosen the screws (D), set to the required position and retighten screws. Fit the cover again.

To adjust the position of the Lateral Headrest loosen screw (E), position as required and retighten the screw.



8.13 Seat Base Depth

To adjust the seat base depth, loosen the nuts (A) underneath the upper leg supports with a spanner. Move the upper leg support in or out to the required position and retighten the nuts securely. It is possible to upgrade the Size 1 seat base to achieve the same seat depth size as the Size 2 seat.



8.14 Seat base – Upper Leg Support Angle for Windsweep-ing, Abduction or Adduction

To adjust the upper leg support angle loosen the nuts (A) underneath the upper leg supports, adjust to the required angle and then retighten the nuts securely.



8.15 Femoral Gables

Large and small femoral gables may be used in any combination to suit the user's requirements, or they may be removed altogether. To adjust the angle or width of the femoral gables, loosen the screws (A) and position as required. Retighten the screws. There are two screws per femoral gable.

8.16 Foot support height

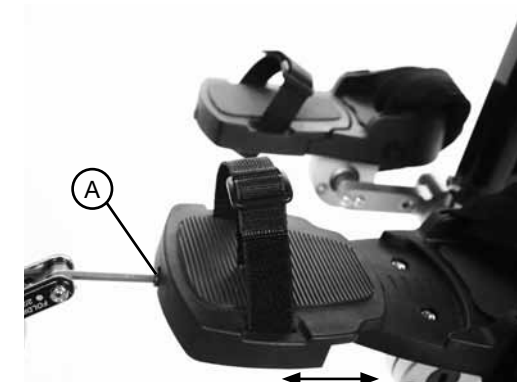
To raise or lower the height of the foot support, loosen the screw (A) adjust to the required position and retighten the screw securely.

8.17 Calf Support

To adjust the calf support angle, loosen the screw (A) at the top of the calf support, move front or back to the required angle, then retighten screw.

8.18 Foot support - size

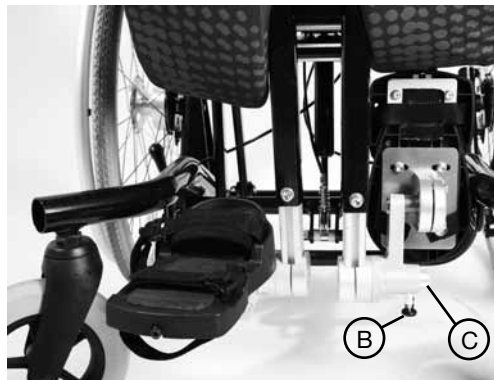
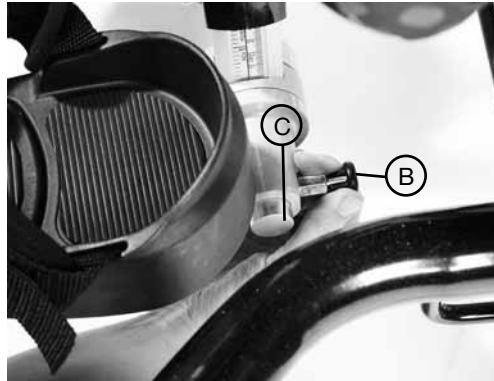
To change the size of the foot supports to accommodate different shoe sizes, loosen the screws (A) at the toes of the foot supports. Adjust the foot support to the required size. Retighten the screws.
Note: A 5mm tool is required.



8.19 Foot support - angle

To change the angle of the complex foot supports, loosen the three screws (A) on the ball and socket joint on the underside of the foot support. Change the angle to suit the user's requirements. Retighten the screws. Note: A 5mm tool is required.

To flip away the complex or basic foot supports, pull out the pin (B) at the back of the sandals and rotate it through 90°. Holding your thumb on C, slide the foot support outwards, away from the centre line, then flip up. The foot support locks in the vertical position.



8.20 Armrest

To adjust the armrest height, loosen the knob (A), adjust to the required height and retighten the knob. To adjust the angle pull the pin (B) out and rotate the armrest to the required position, then release the pin ensuring the pin is securely located in one of the holes.

Armrest pads can be moved forwards or backwards by removing screws (C), repositioning the armrest pad and reattaching securely in position with the screws.



8.21 Tilt in Space

The tilt in space can be angled when the user is in the seat. Before you adjust the tilt in space angle of the seat always ensure that the Pelvic Cradle is secured, preventing the user from sliding forwards in the seat. To adjust the tilt angle, pull the lever on the push handles, tilt the seat to the required angle and remove your hand from the lever.



Always hold push handles securely before using the tilt in space lever.



8.22 Hi-low Chassis – Height Adjustment

You can carry out this adjustment with the user in the chair. If your chassis has the foot pedal locking pin (A), disengage it first. To unlock, pull the pin out and rotate through 90 degrees. To adjust the height of the hydraulic Hi-low chassis press the foot lever (B) at the rear of the chassis. Once you remove your foot from the pedal, the seat will be fixed at this height. To lower the height place foot under the pedal and lift up, the seat height will gradually lower.



For safety always engage the pull pin (A) after adjustment, if applicable.

To adjust the height of the powered base, use the buttons on the handset. Before the product is used for the first time, it is recommended that the battery is fully charged for 12 hours. To do this, plug the adaptor into the mains socket and attach the lead to the battery. Switch on the mains power supply. When charged, switch off the mains power supply, remove the adaptor plug and disconnect the lead from the battery. The battery charge should be topped up each day until the green light on the charge is illuminated. The chair can be adjusted while attached to the mains.



Ensure that the product and user are away from surrounding furnishings when adjusting the height to prevent possible collisions and injury to the user or damage to the product.



9 Cleaning & Care Information

How to Maintain

When cleaning the product we recommend that you use only warm water and a nonabrasive detergent. Never use organic solvents or dry cleaning fluids.

Upholstery and fabrics

1. The upholstery and fabrics can be removed and machine washed and tumble dried at a low setting. The standard covers can be washed at 40°C and the Infection Control covers at 90°C. Please remove the foam before washing the following covers:

Shoulder support
Thoracic support
Sacral support
Contoured sacral support
Seat base.

All other soft upholstery can be placed directly in the washing machine. Use a wash bag to prevent covers being damaged in the washing machine.

2. If the upholstery is to be cleaned in-situ, the best cleaning method is a '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 staining to spread.

4. Always ensure the product is dry before use.

Metal 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. Make sure the product is dry before use.

10 Daily Product Inspection

(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.

Seat Checks

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 Velcro strips and brush fluff to ensure straps secure firmly.
4. Check all back support components are secure.

Chassis Checks

1. Check all wheels are moving freely and lock securely.
2. Check height adjustment is working and pedal is locking.
3. Check tilt in space is working and locking securely.
4. Check locking pin on the interface handle is in its locked position.



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.

11 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;
 - Buckles and Velcro on Pelvic Cradle
 - Seat interface handle locks and releases
 - Tilt in space and height adjustment work and lock securely
 - All ball and socket joints lock securely, shoulder, thoracic, sacral and foot supports
 - Backrest angle adjusts and locks securely
 - Leg supports angle adjust and lock securely
 - Armrest height and angle adjust and lock securely
 - Head support locks securely
2. Lift the base to check each wheel individually. Make sure they are moving freely and remove any dirt from the rubber wheels. Check that the brakes lock the wheels securely.

3. 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.

4. 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.

12 Re-issuing Leckey Products

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 11 for the required checks to be carried out.

Ensure the product has been cleaned thoroughly in accordance with section 9 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.

13 Product Servicing

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.

14 Technical Information

Product and Accessory Codes

133-1600-FIX	Size 1 seat shell assembly fixed backrest
133-1600-REM	Size 1 seat shell assembly removable backrest
139-2600-FIX	Size 2 seat shell assembly fixed backrest
139-2600-REM	Size 2 seat shell assembly removable backrest
133-404*	Size 1 castellated foam seat base cushion and cover
139-404*	Size 2 castellated foam seat base cushion and cover
133-405*	Size 1 memory foam seat base cushion and cover
139-405*	Size 2 memory foam seat base cushion and cover
133-611	Size 1 shoulder support assembly
139-611	Size 2 shoulder support assembly
133-400*	Size 1 shoulder support cushion and cover
139-400*	Size 2 shoulder support cushion and cover
133-605	Thoracic support assembly
133-401*	Thoracic cushion and cover
133-619	Angle adjustable thoracic laterals hardware
133-402*	Angle adjustable thoracic cushion and cover
133-612	Sacral support assembly
133-403*	Sacral support cushion and cover
133-604	Size 1 contoured sacral support
133-400*	Size 1 contoured sacral support cushion and cover
133-1620	Lateral Headrest

For product codes marked with *, please add the following colour option codes:

+10 Blue	+11 Grey
+12 Purple	+13 Grey Infection Control

Chassis

133-750	Kit Hi-low base – hydraulic
133-760	Kit Hi-low base – powered
133-770	Leckey Mobility base
133-740	45cm Discovery base and mobility interface

Mobility Interface Options

139-726	45mm Discovery interface A
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Accessories

133-728	Pelvic Cradle Size 0
133-729	Pelvic Cradle Size 1
133-730	Pelvic Cradle Size 2
133-731	Pelvic Cradle Size 3
133-608	Hip lateral pads (pair)
133-737	Pelvic Cradle gluteal ramp
133-609	Flip away laterals (single without covers)
133-747	Lateral covers (single)
133-622-RH	Flip away complex laterals - horizontal right hand (single with covers)
133-622-LH	Flip away complex laterals - horizontal left hand (single with covers)
133-614-RH	Flip away complex laterals - vertical right hand (single with covers)
133-614-LH	Flip away complex laterals - vertical left hand (single with covers)
133-625	Chest pad
133-1626	Chest harness Size 1
133-2626	Chest harness Size 2
133-3626	Chest harness Size 3
133-627	Profiling contoured headrest
133-716	Profiling contoured headrest cover
133-626	PU contoured headrest
133-735	Armrests (pair)
133-635	Tray – clear
133-624	Tray – grey
133-680	Padded tray insert
133-721	Leg straps (pair)
133-601	Femoral Gable Pack (2 large and 2 small)
133-682	Large femoral gables – right
133-686	Large femoral gables – left
133-683	Small femoral gables – right
133-687	Small femoral gables – left
133-1005	Foam spacer pack (for obliquity)
133-606	Foot supports - ball and socket joints (pair)
133-607	Foot supports – basic (pair)
133-712	Sandal straps size 1
133-742	Sandal straps size 2
133-765	Spine upholstery shroud (set)
133-726	Lateral / bracket protector covers (single)
133-749	Whitmyer bracket
133-745	Head Support bracket for 1/2" and 15mm Box Section
WASH01	Washing machine bag

KIT seat dimensions

Product sizing	Size 1		Size 2	
	mm	inches	mm	inches
Age range	12-18 yrs		16-adult	
Stature range				
Min	1400	55.1	1600	63.0
Max	1650	65.0	1850	73.0
Max user weight (kg/lbs)	75	165.0	75	165.0
Seat depth				
Min	360	14.2	410	16.1
Max	480	18.9	560	22.0
Max windsweep accommodation	20°	20°	20°	20°
Max seat width - without laterals	430	16.9	430	16.9
Seat width - with hip laterals				
Min	215	8.5	215	8.5
Max	370	14.6	370	14.6
Backrest height				
Min	500	19.7	560	22.0
Max	620	24.4	675	26.6
Shoulder width				
Min	190	7.5	260	10.2
Max	500	19.7	600	23.6
Chest width				
Min	230	9.1	230	9.1
Max	380	15.0	380	15.0
Backrest angle	90°-120°	90°-120°	90°-120°	90°-120°
Seat to footplate				
Min	330	13.0	330	13.0
Max	510	20.1	510	20.1
Armrest height				
Min	265	10.4	265	10.4
Max	380	15.0	380	15.0
Tray size	630 x 460	24.8 X 18.1	630 X 460	24.8 X 18.1
Seat weight (seat & back)	20.5 Kg	45.1 Lbs	21 kg	46.2 Lbs

Leckey Hi Low base options

KIT Hi-low chassis		
	mm	inches
Top of seat to floor		
Min	460	18
Max	640	25
With handle folded down		
Length	700	27.6
Width	620	24.4
Height	410	16

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 70degC
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.

LECKEY[®]

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24 hour postural
care for babies,
kids & adults.
Sleeping, Sitting,
Standing, Walking,
Moving, Bathing,
Toileting.