



# Leeway Pelvic Cradle

User Manual



**Inspired by the harnesses used in windsurfing, Leeway Pelvic Cradle\* is for individuals who would benefit from increased pelvic stability and control. Leeway Pelvic Cradle's snug fit provides unsurpassed proprioceptive feedback which, combined with the 4 point attachment, holds and supports the individual giving them the confidence to move their centre of gravity freely. This improves their dynamic sitting ability and increases their sideways and forward reach, whilst keeping their base of support stable.**

Adjustable Velcro tabs on each side enable Leeway Pelvic Cradle to accommodate a range of postures and shapes. Adjusting these tabs forward can encourage a more upright posture with neutral or anterior pelvic tilt.

Leeway Pelvic Cradle is rigid yet flexible. A polycarbonate insert ensures Leeway Pelvic Cradle retains its shape when not in use, making the next transfer into the wheelchair simple. Carefully positioned neoprene sections allow the front strap to spring out of the way when the buckle is undone.

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## SECTION 01: INTENDED USE

Leeway Pelvic Cradle (patent pending) is a pelvic harness which provides maximum security, stability and comfort to wheelchair users. It secures the user to their wheelchair at four key points, giving them the confidence they need to move their upper bodies freely without fear of falling. Available in 4 sizes from paediatric through to adult, and with 2 buckle choices, the Leeway Pelvic Cradle can be easily attached to a wide range of manual and powered wheelchair bases.

## SECTION 02: CERTIFICATION

Leeway Pelvic Cradle is classified as a Class I Medical Device under EU and UK regulations. As the manufacturer, James Leckey Design Limited, declares that this product conforms to the Medical Device Regulation (2017/745), UK Medical Device Regulations 2002, Medical Device Directive (93/42 EEC) and EN 12182:2012 Assistive products for persons with disability, general requirements and test methods.

**Notice to the user and/or patient: Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.**

**Note: General user advice.**

**Not following these instructions may result in physical injury, damage to the product or damage to the environment!**

## SECTION 03: WARNINGS AND CAUTIONS

### Warning Occupant Security

- User transfers in and out of the product must be done with appropriate equipment and personnel.
- When transferring the user into the product, first use the pelvic cradle to secure the user.
- Ensure that all straps are securely applied.
- If the user exhibits any form of distress, remove from the product as quickly as is safely possible.
- Ensure that the pelvic cradle is fastened and adjusted to hold the occupant securely in place before moving the seat or leaving the vicinity of the static seat.
- Users should not be left unattended at any time whilst using Leckey equipment.

### Caution Finger Pinch Hazard

- While the user is in the product, the carer should strive to keep product adjustments to a minimum.
- Take care when assembling or adjusting the position of the product

components that your fingers do not get pinched when positioning components and tightening fixings.

- During transfers and adjustments, the carer should avoid the finger nipping risk of buckles.

### **Caution Daily Checks**

- The product is to be checked daily before use to ensure that all components are securely attached and safe for use.

### **Caution Cleaning**

- Clean the product regularly to prevent the build-up of dirt. Accumulated dirt can prematurely wear the fabric components and encourage corrosion on the product. Only use non-abrasive household cleaners and moist cloths, do not use running water on the upholstery whilst it is still attached to the product. See Cleaning & Care Information of the user manual.

### **Caution Cleaning Power washer/Hoses**

- Hoses and power washers are not to be used to clean the product. See Cleaning & Care Information of the user manual.

### **Caution Disposal**

- When disposing of the product using a community waste disposal site, the components should be disposed of separately where appropriate.

### **Caution Bringing into Use**

- Before use, allow 2 hours for the product to acclimatise to room temperature

## **SECTION 04: 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 three year warranty is provided on all Leckey manufactured products and components.

## **SECTION 05: 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 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.

## **SECTION 06: PRODUCT TRAINING RECORD (PARENTS, TEACHERS & CARERS)**

Your Leckey product is a prescribed Class 1 Medical Device and as such Leckey recommend that clients and carers using the equipment should be made aware of the following sections of this user manual by a technically competent person.

### **Section 07 Safety Information**

### **Section 10 Clinical Setup**

### **Section 11 Cleaning and Care Information**

### **Section 12 Daily Product Inspection**

Leckey recommend that a written record is maintained of all those who have been trained in the correct use of this product.

## **SECTION 07: SAFETY INFORMATION**

1. This Leeway Pelvic Cradle is designed for postural positioning and should not be used as the sole means of securing the user to the vehicle during transportation, nor as a method of restraint.
2. Leeway Pelvic Cradle should be installed and fitted by a technically competent person.
3. Always read instructions fully before use.
4. Only use Leckey approved components with your product. Failure to follow instructions may put the user or carer at risk. The length of webbing may be modified to suit the wheelchair base. Modifying the product in any other way will invalidate the warranty.
5. 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. 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.
7. 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.
8. 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.

## SECTION 08: PRECAUTIONS AND CONTRAINDICATIONS

### Precautions

- Fixed spinal deformities such as scoliosis or kyphosis
- Severe muscle contractures
- Severe muscular or skeletal asymmetry including hip dislocation
- Progressive and muscle wasting conditions
- High risk or recent history of bone fractures
- High risk of pressure related injury or open sores
- Strong, uncontrolled movement patterns
- Poorly controlled seizure activity
- Children dependent on the use of percutaneous endoscopic gastrostomy
- Medical instability including compromised respiratory or cardiovascular function
- Dependant on 3rd party life-

sustaining apparatus such as oxygen tanks

- Significant learning disabilities and/or behavioural issues

### Contraindications

There are no contraindications associated with the Leckey Seating product family.

All precautions and contraindications are taken at the discretion of the prescribing clinician. Leckey recommends a trained and experienced clinician to be present during the initial assessment, set up, configurations and re-issues in order to minimise risk.

# SECTION 09: HOW TO ATTACH

Congratulations on purchasing your Leeway Pelvic Cradle. Your harness will arrive with a Velcro seat base strap and 4 triglide brackets (additional attachment kits are available). Please remove the harness and attachments from the packaging and ensure you have all the parts you have ordered. The following fitting instructions are only a guideline as seating systems vary according to manufacturer.

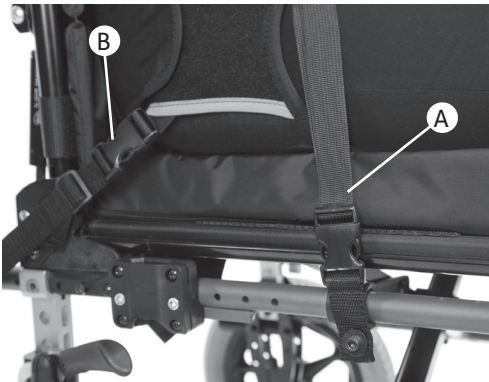


The two rear mounting straps **B** should be positioned approximately diagonally to ensure Leeway Pelvic Cradle is positioned correctly. The straps should be attached to an appropriate part on the wheelchair frame using suitable fasteners.



## 9.2 ATTACH THE SIDE AND REAR MOUNTING STRAPS

The two side mounting straps **A** should be positioned approximately vertically and attached to the wheelchair frame using suitable fasteners.



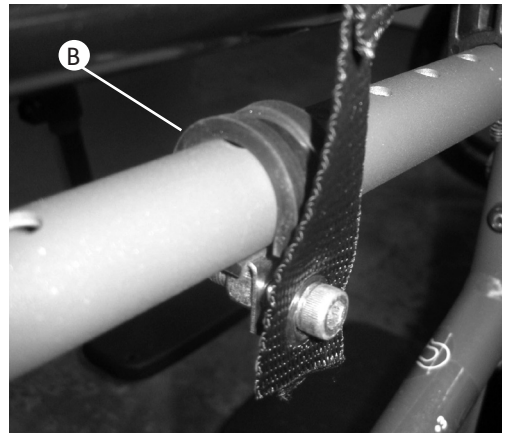
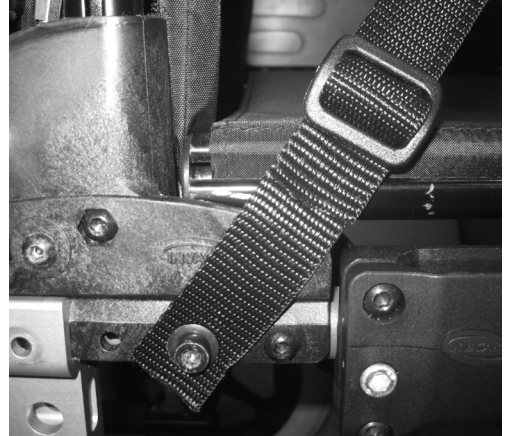


## 9.3 ATTACHMENT EXAMPLES

The mounting straps may be looped around a suitable part on the frame and secured with a triglide **A**. The triglides are supplied as standard.

The P-clips **B** are suitable for round tube frames of 19, 22 or 25mm diameter. These clamps provide a mounting position for the eyelets on the mounting straps.

cam buckle secured vertically to the folded plate.



The mounting straps **C** may be fastened directly on to the wheelchair at suitable pre-drilled locations on the frame.

The slot anchor plate **D** may be fastened directly onto the rear of the wheelchair frame.

For some wheelchairs where round tubing is not available, the folded plate **E** can be secured to the frame and the



## 9.4 SECURING THE LEEWAY PELVIC CRADLE ONTO THE SEAT

Velcro the base of the Leeway Pelvic Cradle onto the seat base strap and secure the 4 side release buckles. Adjust the webbing length on both the Leeway Pelvic Cradle and mounting straps, as required.



## SECTION 10: CLINICAL SETUP

### 10.1 PREPARING FOR THE CLIENT

When setting up the Leeway Pelvic Cradle for the first time the Leeway Pelvic Cradle should be flat with the Velcro side tabs open. All four side and back buckles should already be attached to the seat.



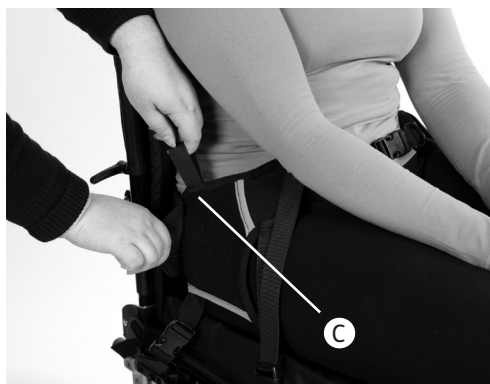
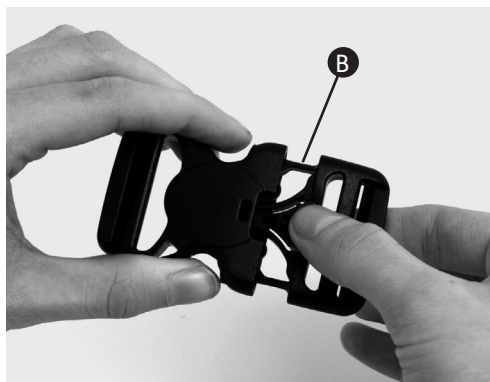
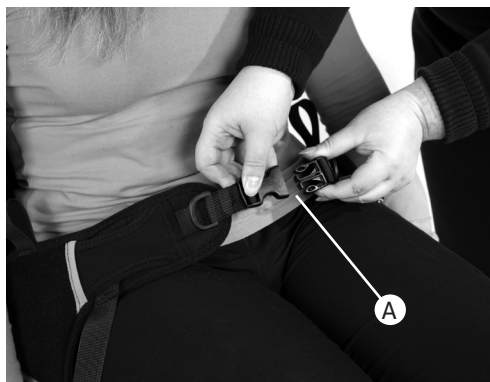
### 10.2 POSITIONING THE CLIENT IN THE LEEWAY PELVIC CRADLE

Position the client into the seat and establish the correct posture with the front strap of the Leeway Pelvic Cradle positioned at the inguinal crease. As a check, if the Leeway Pelvic Cradle is too far forward it will be too low on the user's back, conversely if it is too far back it will be too high up the user's back.

### 10.3 SECURING THE CLIENT IN THE LEEWAY PELVIC CRADLE

There are two buckle options, the standard side release **A** and the security buckle **B** that has a secure three point release requiring two fingers and a thumb to open. Fasten your chosen buckle at the front of the Leeway Pelvic Cradle. Adjust the tension using the D-rings to provide a snug fit. If it is difficult to secure this buckle, check that the user is positioned well back in the seat/Leeway Pelvic Cradle. Re-positioning or an alternative size of Leeway Pelvic Cradle may be required.

Next fasten the Velcro tabs **C** at the sides to fit the Leeway Pelvic Cradle to the user. An anterior, neutral or posterior pelvic tilt can be achieved depending on the clinical needs of the client.



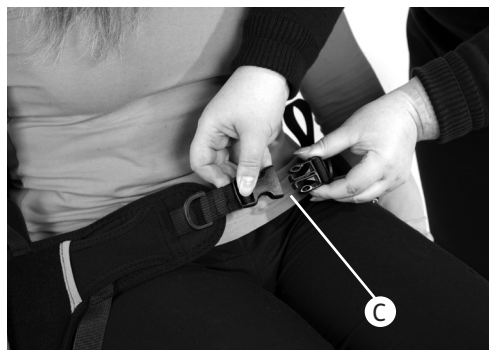
## 10.4 FINAL ADJUSTMENTS

Finally adjust the front and rear straps **A** and **B** to secure and position the user's pelvis.

After initial set up, only the front buckle **C** needs to be released when the user is transferred in or out of their seating system. The front buckle should be the first item to be secured upon entering the seat and the last item to be released upon leaving the seat.



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



## **SECTION 11: CLEANING & CARE INFORMATION**

### **How to Maintain**

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

### **Upholstery and fabrics**

The Leeway Pelvic Cradle may be washed in the washing machine at 40°C. Drip dry. Do not iron. Placing the Leeway Pelvic Cradle inside a cloth bag during washing may help prevent scratches to the product and machine.

1. The upholstery and fabrics can be cleaned by hand whilst in place. When cleaning we recommend that you use only warm water and a nonabrasive detergent.
2. 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. 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. Always ensure the product is dry before use.

## **SECTION 12: 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 recommend daily checks are detailed below.

1. Check all upholstery for signs of wear and tear.
2. Check all Velcro strips and brush fluff to ensure straps secure firmly.



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 care team or your local dealer as soon as possible.

## SECTION 13: 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 plastic buckles are in place and replace any missing items.
2. Pay particular attention to the Velcro.

## SECTION 14: 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 13 for the required checks to be carried out.

Ensure the product has been cleaned thoroughly in accordance with section 11 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](http://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 care team or your local dealer as soon as possible.

## SECTION 15: 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.



## SECTION 16:

# TECHNICAL INFORMATION

Product sizing						
	Hip Circumference				Hip Width	
	Blue Colour	Grey Colour	Min	Max	Min	Max
<b>Size 1 (Standard)</b>	147-1600	147-1610	600mm / 23.6 inches	800mm / 31.5 inches	250mm / 9.8 inches	350mm / 13.8 inches
<b>Size 1 (Security)</b>	147-1601	147-1611	600mm / 23.6 inches	800mm / 31.5 inches	250mm / 9.8 inches	350mm / 13.8 inches
<b>Size 2 (Standard)</b>	147-2600	147-2610	700mm / 27.6 inches	950mm / 37.4 inches	300mm / 11.8 inches	400mm / 15.7 inches
<b>Size 2 (Security)</b>	147-2601	147-2611	700mm / 27.6 inches	950mm / 37.4 inches	300mm / 11.8 inches	400mm / 15.7 inches
<b>Size 3 (Standard)</b>	147-3600	147-3610	850mm / 33.5 inches	1100mm / 43.3 inches	350mm / 13.8 inches	450mm / 17.7 inches
<b>Size 3 (Security)</b>	147-3601	147-3611	850mm / 33.5 inches	1100mm / 43.3 inches	350mm / 13.8 inches	450mm / 17.7 inches
<b>Size 4 (Standard)</b>	147-4600	147-4610	950mm / 37.4 inches	1300mm / 51.2 inches	400 mm / 15.7 inches	500mm / 19.7 inches
<b>Size 4 (Security)</b>	147-4601	147-4611	950mm / 37.4 inches	1300mm / 51.2 inches	400 mm / 15.7 inches	500mm / 19.7 inches

### Accessories

Leeway Pelvic Cradle comes as standard with the Velcro seat base strap and four triglide brackets.

















Additional attachment kits are available:

- 147-1602      Quick release attachment kit  
Contains 4 straps with side release buckles and 4 'p' clips
- 147-1604      Mobility seat base plate attachment kit  
Contains 4 straps with side release buckles and 2 angle brackets
- 147-1603      Seat base strap

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](http://www.leckey.com)**.

# Table of Symbols

Symbol	Meaning
	Medical Device
	Read the Instructions for Use
	CE mark
	Warning
	Manufacturer
	Product code
	Serial number
	Max occupancy weight
	Date of Manufacture
	For indoor use only
	Latex free
	Unique Device Identification
	Machine wash- water temperature 40°C
	Tumble dry- low heat
	Do not iron
	Do not bleach



[illegible]



**USA Distributor**

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**F:** 1-800-300-7502  
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Concord, ON, L4K 4V3

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