

LECKEY[®]

Leeway

User Instructions





Inspired by the harnesses used in windsurfing, Leeway* is for individuals who would benefit from increased pelvic stability and control. Leeway'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 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 is rigid yet flexible. A polycarbonate insert ensures Leeway 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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1. Intended Use

Leeway (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 can be easily attached to a wide range of manual and powered wheelchair bases.

2. Declaration of Conformity

James Leckey Design Ltd. as manufacturer with sole responsibility declares that Leeway 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 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 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 (Clients & 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 6

Safety Information

Section 10

Daily Product Inspection

Section 11

Annual Product Inspection

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

6 Safety Information



6.1 This Leeway 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.



6.2 Leeway should be installed and fitted by a technically competent person.



6.3 Always read instructions fully before use.



6.4 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.



6.5 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.



6.6 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.



6.7 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.



6.8 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.

How to attach

Congratulations on purchasing your Leeway. 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.



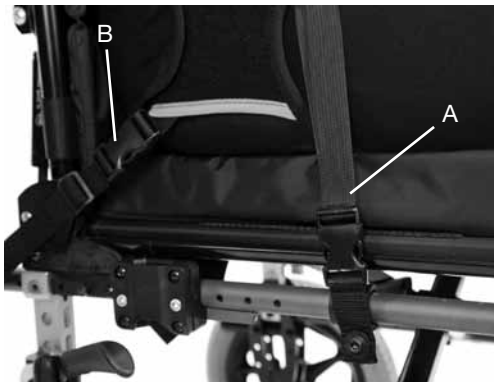
7.1 Attaching the seat base strap

First of all wrap the seat base strap around the cushion with the structural section of the strap positioned on the underside. Then replace the cushion.

7.2 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.

The two rear mounting straps (b) should be positioned approximately diagonally to ensure Leeway is positioned correctly. The straps should be attached to an appropriate part on the wheelchair frame using suitable fasteners.



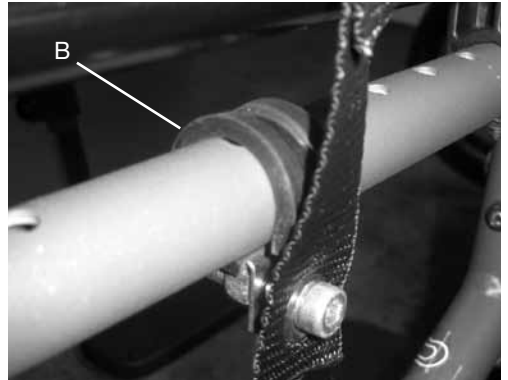
7.3 Attachment examples

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.

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 cam buckle secured vertically to the folded plate.



7.4 Securing the Leeway onto the seat

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



Clinical Setup

8

8.1 Preparing for the client

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

8.2 Positioning the client in the Leeway

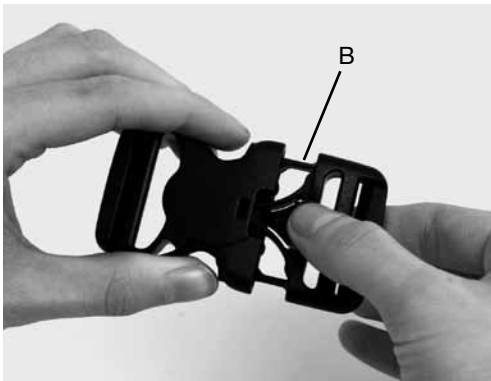
Position the client into the seat and establish the correct posture with the front strap of the Leeway positioned at the inguinal crease. As a check, if the Leeway is too far forward it will be too low on the user's back, conversely if it is too far back it will be too high up the user's back.



8.3 Securing the client in the Leeway

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. 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. Re-positioning or an alternative size of Leeway may be required.

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



8.4 Final adjustments

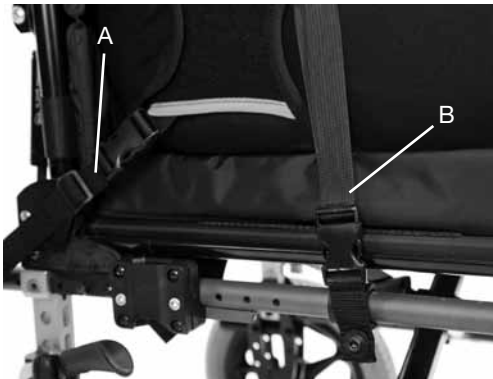
Finally adjust the front and rear straps (a) and (b) to secure and position the user's pelvis.



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 has not become slack.



9 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 may be washed in the washing machine at 40°C. Drip dry. Do not iron. Placing the Leeway 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.

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 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 services 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 plastic buckles are in place and replace any missing items.
2. Pay particular attention to the Velcro.

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.

14 Technical Information

	Hip circumference				Hip width			
	min		max		min		max	
	mm	inches	mm	inches	mm	inches	mm	inches
147-1600 Size 1 (Standard)	600	23.6	800	31.5	250	9.8	350	13.8
147-1601 Size 1 (Security)	600	23.6	800	31.5	250	9.8	350	13.8
147-2600 Size 2 (Standard)	700	27.6	950	37.4	300	11.8	400	15.7
147-2601 Size 2 (Security)	700	27.6	950	37.4	300	11.8	400	15.7
147-3600 Size 3 (Standard)	850	33.5	1100	43.3	350	13.8	450	17.7
147-3601 Size 3 (Security)	850	33.5	1100	43.3	350	13.8	450	17.7
147-4600 Size 4 (Standard)	950	37.4	1300	51.2	400	15.7	500	19.7
147-4601 Size 4 (Security)	950	37.4	1300	51.2	400	15.7	500	19.7

Accessories

Leeway 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.

LECKEY^o

Leckey
19 Ballinderry Road
Lisburn
BT28 2SA
Northern Ireland
United Kingdom

T: 028 9260 0750
E: info@leckey.com
W: www.leckey.com

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