

RU V **OUR NEW KIT SEATING SYSTEM** FOR TEENS **& ADULTS**

KIT IS A HIGHLY **ADJUSTABLE** MODULAR SEATING **SYSTEM** FOR TEENS & **ADULTS WITH** COMPLEX POSTURAL NEEDS.



OUR R&D APPROACH TO KIT HIGHLIGHTED THE SHIFT IN POSTURAL, SOCIAL AND ENVIRONMENTAL NEEDS BETWEEN CHILDREN AND ADULTS.

DESIGNED TO BRIDGE THE GAP BETWEEN MODULAR AND MOULDED SEATING, KIT HAS BEEN DEVELOPED USING A RIGOROUS APPROACH OF RESEARCH, TRIALS AND TESTING.





Extensive Research Into Users' Needs

Understanding the changing postural, functional, comfort and social needs of teens and young adults.

Extensive Clinical Trials

Undertaking over 60 trials with 40 teens and adults with complex postural needs.

Extensive

Product Testing Exceeding international standards for strength, durability and crash testing. AS A RESULT OF OUR R&D APPROACH KIT HAS THE ABILITY TO ACCOMMODATE AND SUPPORT COMPLEX PELVIC, TRUNK AND LOWER LIMB CHALLENGES USING ITS INNOVATIVE RANGE OF INTERCHANGEABLE MODULAR COMPONENTS.

INTERCHANGEABLE BACKREST COMPONENTS.



THE PELVIC CRADLE (Patent Pending)

This unique support wraps around the buttocks and posterior of the pelvis to encourage and maintain an upright and functional posture.

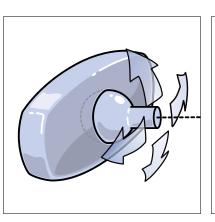


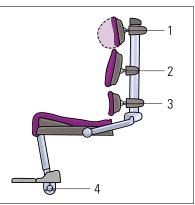
BALL & SOCKET JOINTS

To support and accommodate complex postures, we have fitted a number of the modular components with ball & socket joints to achieve the full range of adjustment.

1. Shoulder support

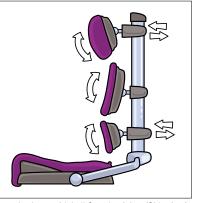
- 2. Thoracic support
- 3. Sacral support
- 4. Footplates





3-PART BACKREST AND THORACIC OPTIONS

Each section of the backrest is attached by ball and socket joints to the central spine and comes with a choice of thoracic supports, so the backrest can be easily tailored to match individual needs. The shoulder and sacral supports are also depth adjustable.



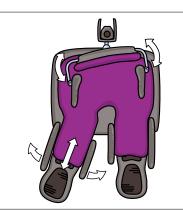




3 part backrest with ball & socket joints (Back view)

LOWER LIMB POSITIONING

Multi-positional leg guides and footplates can securely accommodate a wide spectrum of lower limb issues.



Multi-adjustable leg and foot supports



Multi-adjustable ball & socket joint foot supports

KIT'S UNIQUE DESIGN IS FOCUSED ON THE SPECIFIC NEEDS OF TEENS AND YOUNG ADULTS WHO TEND TO HAVE MORE COMPLEX POSTURES AND WHO SPEND LONGER IN THEIR SEATING SYSTEMS. FOR THEM, FUNCTION MEANS INDEPENDENCE AND THE SEATING SYSTEM BECOMES AN ESSENTIAL PART OF THEIR LIFESTYLE.

Thoracic support

1. The Pelvic Cradle

10. Contoured headrest

TRANSFERS AND EASE OF USE

Removable and flip-away components allow easy access for hoisting.

Flip up foot supports allow user to get close enough for standing transfers.

All cushion covers are removable and machine washable.

BASES

Hi-low chassis available with hydraulic and powered height adjustment. Other outdoor manual and powered bases are also available.

18. Push handle

6. Standard flip away lateral supports

11. Removable machine washable covers

12. Adjustable armrests

14. Upper leg gables (large & small)

2. One piece seat cushion

\ 15. Multi-adjustable ball & socket foot support

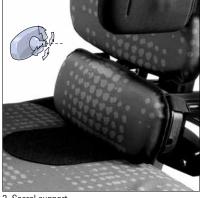
17. KIT Hi-low chassis

- The innovative Pelvic Cradle (patent pending) with 4 point positioning straps provides proximal positioning for users with high or low tone and can be used to accommodate or correct the pelvis.
- Comfortable ramped one piece seat cushion, which is 75mm deep on Size 1 and 95mm deep on Size 2, supports the ischial tuberosities and helps prevent the user from sliding forward. Additional foam inserts can be used to accommodate fixed obliquity.
- The height, depth and angle adjustable sacral support is the lowest section of the 3-part backrest, and can be adjusted for multiple positions using its ball and socket joint to accommodate complex user needs.
- Angle, depth and width adjustable hip laterals can be used with the Pelvic Cradle to help align and stabilise the pelvis.

- 5. The height adjustable thoracic support is the mid section of the 3-part backrest and can be set up using its multi-adjustable ball and socket joint. It can also be moved to the left or right to accommodate severe scoliosis. Any combination of the standard, complex and angle adjustable laterals can be easily attached to this support to meet the user's needs.
- The standard flip away lateral supports have independent angle, depth and height adjustment providing the user with thoracic support to help maintain a stable upright position.
- 7. The multi-adjustable complex lateral supports can contour to varying thoracic shapes, in both a horizontal and vertical orientation, increasing surface area contact for improved postural support and comfort. They can be flipped out of the way to facilitate transfer.
- 8. The angle adjustable laterals provide moderate side support, ideal for users who require less thoracic support.

- 9. The height and depth adjustable contoured shoulder support is the top section of the 3-part backrest. It can be positioned via its multi-adjustable ball and socket joint and angle adjusts to provide shoulder protection which helps balance the head and trunk over the pelvis and improves hand control e.g. to use communication devices.
- Large cushioned headrest with angle, depth and 25mm lateral adjustment. Other head support options, such as Whitmyer or Otto Bock, can also be used.
- All cushion covers are removable and machine washable. Infection control covers are also available.
- Cushioned height and angle adjustable armrests can be easily removed to facilitate transfer.
- Multi-positional leg guides can securely accommodate a wide range of lower limb positions, including up to 20° windsweeping.

- Interchangeable large and small upper leg gables support abduction, adduction and windsweeping.
- 15. Flip-up foot supports, which can be individually positioned using the multi-adjustable ball and socket joints, move with the leg guides to maintain the lower leg positioning.
- 16. Communication devices the KIT seat has been designed to enable a range of communication devices to be easily attached, allowing the communication aid to move with the seat as its height or till is altered (Daessy mounting hardware shown).
- 17. Hi-low chassis has been redesigned with hydraulic height adjustment for the KIT Seating System. Its 12" rear wheels and 6" front wheels make it very easy to manoeuvre over uneven surfaces.
- 18. Height adjustable push handles allow the chair to be easily moved.



3. Sacral support



4. Hip laterals with angle, depth and rotational adjustment



7. Complex lateral supports - horizontal



7. Complex lateral supports - vertical



13. Windsweeping



8. Angle adjustable laterals with one piece thoracic cushion



16. Communications device attachment



13. Abduction / Adduction



15. Multi-adjustable flip-up foot supports

AS KIDS GROW INTO TEENS AND TEENS GROW INTO ADULTS, THEIR NEEDS AND THE REQUIREMENTS OF THEIR CARERS CHANGE. INDEPENDENCE BECOMES MORE IMPORTANT AND THEY DEPEND MORE ON THEIR SEATING SYSTEM AND THE MOBILITY THAT IT GIVES THEM.







POSTURE, FUNCTION & COMFORT

THE KIT SEATING SYSTEM'S GROUND BREAKING DESIGN IS THE CULMINATION OF OVER 25 YEARS' EXPERIENCE WORKING WITH PARENTS, THERAPISTS, TECHNICIANS AND USERS FROM ALL OVER THE WORLD. IT HAS BEEN DESIGNED TO ALLOW THERAPISTS TO OPTIMISE POSTURE, FUNCTION AND COMFORT.

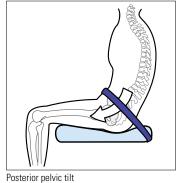


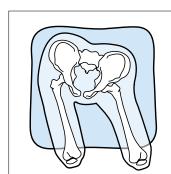
POSTURE, FUNCTION & COMFORT PELVIC STABILITY

The most important feature of any seating or mobility system is its ability to provide pelvic stability (for tilt, rotation and obliquity) as this gives the optimum base for trunk and head alignment and upper limb function. The KIT Seating System provides uniquely adaptable pelvic support for teenagers and adults with some of the most challenging pelvic positions, both in terms of achieving optimal alignment and providing comfortable accommodation of their postural needs.

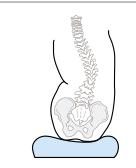
POSTURE

PELVIC STABILITY ISSUES

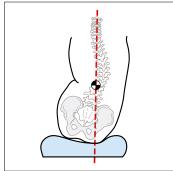




Pelvic rotation and windsweeping



Pelvic obliquity



Alignment

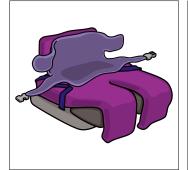
THE PELVIC CRADLE

The KIT Seating System is supplied with the exclusive Pelvic Cradle (patent pending) as standard. The flexible adjustment in the back section can encourage a posteriorly tilted pelvis into neutral alignment, and the overall design prevents users sliding forward. Available in three sizes to ensure the best possible fit, the Pelvic Cradle gives unsurpassed proximal pelvic positioning and support for more complex body shapes.

Where pelvic mobility is reduced, and tilt, rotation or obliquity need to be accommodated, the Pelvic Cradle can successfully stabilise the pelvis in these unique positions.



SET UP FOR TRANSFER



The Pelvic Cradle opens flat making access for self-transfers and hoisting straightforward.

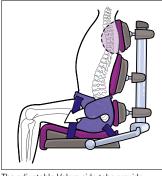


The front buckle secures users safely in position.

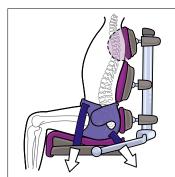


Adjustable Velcro side fastening tabs firmly support a range of positions from fixed posterior pelvic tilt to a functional anterior posture.

PELVIC CRADLE POSITIONING



The adjustable Velcro side tabs provide an anterior pull, giving secure and comfortable support at the posterior of the pelvis and sacrum, and facilitating optimal pelvic positioning.

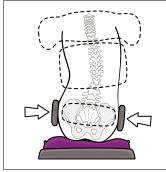


The 4-point attachment ensures the user cannot submarine under the anterior strap.



Used in conjunction with the Pelvic Cradle, the leg straps help prevent users with kyphotic postures from sliding into posterior tilt.

HIP PADS



Individually adjustable hip pads can be used to provide further support for the pelvis, even for users with complex needs.



When the backrest is set up to accommodate complex postures, the hip guides can be rotated to remain horizontal with the seat base.

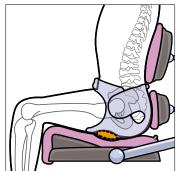


For users with spinal rotation, rotation of the sacral pad ensures balanced contact between the back support and buttocks. Hip guides can rotate in opposite directions to remain parallel with the femoral supports.

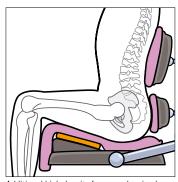
GLUTEAL RAMP AND UNDER THIGH PADDING



Users with strong extensor patterns will often require additional support to help prevent their pelvis from sliding into posterior tilt.



If additional pelvic support is required, the simple gluteal ramp can help to prevent the forward excursion of the ischial tuberosities, maintaining stability of the pelvis in an optimum position.

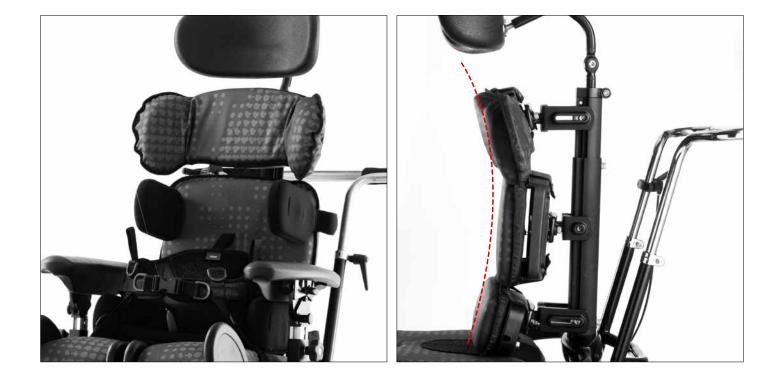


Additional high density foam can be simply added under the cushion to accommodate pelvic obliquity or to provide additional support under the ischial tuberosities or femurs.

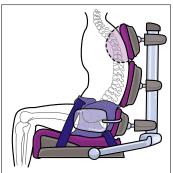
POSTURE, FUNCTION & COMFORT TRUNK & HEAD ALIGNMENT

Seating systems need to provide appropriate trunk and head support because this contributes to the stability of the pelvis, and facilitates upper limb function, concentration, and social interaction. The KIT Seating System's trunk and head supports can be individually tailored to match the needs of each user.

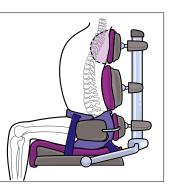
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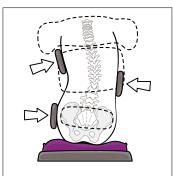
TRUNK SUPPORT



Individual adjustment of backrest pads ensures fixed kyphotic postures are fully supported from the cervical spine down to the sacrum. (Hip guides can be rotated to remain horizontal with the seat base).



Hyper lordotic postures can be stabilised and supported along the entire length of the spine by simple configuration of the backrest pads.



Height, width and angle adjustable lateral supports used in conjunction with hip guides provide 3-point loading to accommodate or correct scoliotic postures.

THORACIC STANDARD & ANGLE ADJUSTABLE LATERALS



The standard laterals provide the user with thoracic support but can be flipped away for ease of transfer.

THORACIC COMPLEX LATERALS



Vertical and horizontal complex laterals can be combined to provide appropriate levels of support.



The thoracic laterals in conjunction with

the hip pads can be used to maintain good sitting balance for users with complex postural needs.

Complex multi-adjustable lateral pads improve pressure distribution by providing an increased surface area to support a fixed scoliosis.



Contouring around a kypho-scoliosis and associated rib hump is easily achieved by rotating the thoracic pad and positioning the multi-adjustable complex laterals around the user's individual shape.

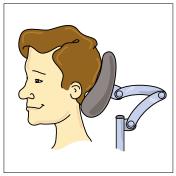
SHOULDER & HEAD



Shoulder support laterals can be individually angled up to 90°.



The unique shoulder protraction system stabilises the shoulder girdle improving head control and moves the upper limbs into the optimal position for functional activities e.g. using communications devices.



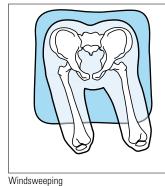
The triple-axis headrest mount ensures correct support for head and neck.

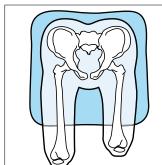
POSTURE, FUNCTION & COMFORT LEG & FOOT POSITIONING

Seating systems also need to provide appropriate leg and foot support as this plays a crucial role in maintaining the stability of the pelvis, and therefore the alignment of the trunk and head. Often overlooked, hamstrings are frequently tight in those with limited movement and can disturb pelvic stability. In addition, the feet take up to 19% of body weight, and when unsupported can add to pressure and pelvic stability issues. The KIT Seating System's pioneering leg and foot supports enable the user's legs and feet to be supported in a wide range of positions.

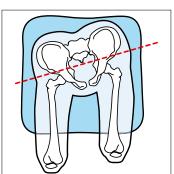
POSTURE

LEG & FOOT POSITIONING CHALLENGES

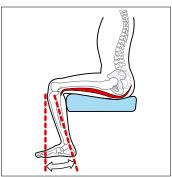




Real leg length discrepancy



Apparent leg length discrepancy caused by fixed pelvic rotation



Tight hamstrings





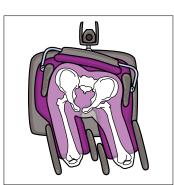
WINDSWEEPING AND LEG LENGTH DISCREPANCIES



Accommodation of up to 20° windsweeping from midline ensures the pelvis remains square against the backrest and the head and trunk face forward.

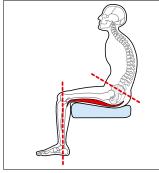


Adjustable femoral supports accommodate actual or apparent leg length differences.



Where spinal rotation is fixed, the ability of the sacral pad and leg guides to independently rotate means that the posture can be accommodated allowing the trunk and head to face forwards, enhancing function and social inclusion.

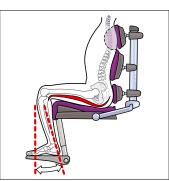
TIGHT HAMSTRINGS



For users with tight hamstrings, if the lower leg is positioned at 90° to the upper leg, the pelvis will be pulled into posterior tilt.



Lower leg supports can be individually positioned to suit the user's needs.



Positioning the feet behind the knees prevents sacral sitting for users with tight hamstrings.

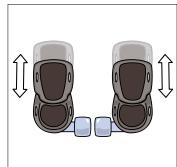
FOOT POSITIONING



Footplates can be angled individually to maximise foot loading and overall postural stability.



Internal/external rotation, varus/ valgus and plantar/dorsi flexion can all be accommodated by rotation of the multi-adjustable foot supports.

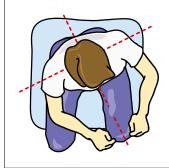


Footplates can be adjusted to match the user's foot size.

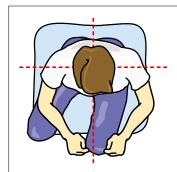
POSTURE, FUNCTION & COMFORT FUNCTION

Where it can be achieved, the optimum position of the pelvis for function is in neutral or slight anterior tilt. This pelvic position allows the spine to adopt its natural lumbar, thoracic and cervical curves, aligning the trunk and balancing the head. In turn, when the body is well supported, it maximises the potential for upper limb function; improves opportunities for social interaction; and maximises breathing and digestive capacity.

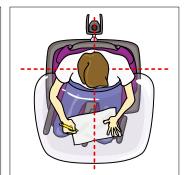
LEG & FOOT POSITIONING CHALLENGES



If windswept legs are forced into midline when there is not the range of movement available, the pelvis compensates by rotating, and the trunk and head follow.



The leg guides on KIT can accommodate windsweeping, allowing the pelvis to remain level with the back of the seat, and the trunk and head to face forward.



Allowing legs to windsweep and the trunk and head to face forward improves upper limb function and social inclusion.

HARNESSES



The chest pad can be used for individuals who need a little more thoracic support.



The chest harness for users who require more thoracic support to maintain stability for improved function.



The chest harness, which can be used indoors, or for additional support during transportation, is available in 3 sizes.





The KIT Seat has been designed to enable a range of communication devices to be easily attached. As the KIT Seat tilts or is height adjusted, the communications device moves too.



The shoulder protraction system improves hand control for using communications device.

POSTURE, FUNCTION & COMFORT COMFORT

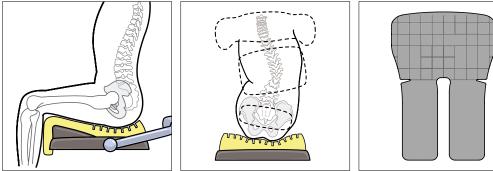
Comfort is integral to sustaining a functional posture as it reduces unwanted movement which can occur when users are uncomfortable. This becomes even more significant in the teenage and adult age groups, when users are likely to be heavier, less mobile, and spend much longer periods of time in their seating systems. Reducing unnecessary pressure areas is key to maintaining healthy skin. The KIT Seating System has a choice of two high grade pressure relieving cushions: Castellated Foam and Visco Elastic Memory Foam. All foam cushions are sealed with water resistant Platilon® liners. In addition there are welded polyurethane covers available which can be washed at 90°C meeting the most stringent infection control guidelines. Both cushions come with a choice of two fabric options:

1. The comfort cushion cover option is a two-way stretch, breathable, soft touch fabric. The cover is flame retardant and can be removed and washed at 40°C.

2. The infection control cushion cover option is a two-way stretch, antibacterial fabric with welded seams. The cover is flame retardant and can be removed and washed at 90°C.

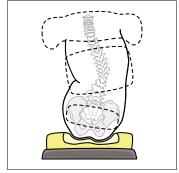


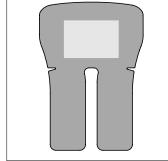
CASTELLATED FOAM WHICH CONTOURS TO THE USER'S SHAPE



Castellated foam - the top surface of the area of foam under the ITs is cut into a grid pattern to allow the cushion to contour to the user's shape more easily.

VISCO ELASTIC MEMORY FOAM WELL TO PROVIDE OPTIMUM PRESSURE DISTRIBUTION





Visco elastic - an area of memory foam is inserted into the standard foam under the ITs to allow the user to submerge for optimum pressure distribution.

KIT SEATING SYSTEM

TO CONFIGURE THE KIT SEATING SYSTEM TO AN INDIVIDUAL'S NEEDS PLEASE CALL OUR CUSTOMER SERVICES TEAM TO ARRANGE AN ASSESSMENT: 0800 318 265 (UK) 1800 626 020 (ROI)

PRODUCT SIZING	SIZE 1		SIZE 2	
	MM	INCHES	MM	INCHES
AGE RANGE	12-18 Yrs		16-Adult	
STATURE RANGE Min Max Max User Weight (Kg/LBS)	1400 1650 75	55.1 63.0 165.0	1600 1850 75	63.0 70.9 165.0
SEAT DEPTH MIN MAX MAX WINDSWEEP ACCOMMODATION	360 480 20°	14.2 18.9 20°	410 560 20°	16.1 22.0 20°
MAX SEAT WIDTH - WITHOUT LATERALS	430	16.9	430	16.9
MAX SEAT WIDTH - WITH ARMREST SPACERS	430	18.9	430	18.9
SEAT WIDTH - WITH HIP LATERALS Min Max	215 370	8.5 14.6	215 370	8.5 14.6
BACKREST HEIGHT Min Max	505 595	200 23.5	580 710	23.0 28.0
SHOULDER WIDTH Min Max	190 500	7.5 19.7	260 600	10.2 23.6
CHEST WIDTH Min Max	230 380	9.1 15.0	230 380	9.1 15.0
BACKREST ANGLE	90°-120°	90°-120°	90°-120°	90°-120°
SEAT TO FOOTPLATE Min Max	330 510	13.0 20.1	330 510	13.0 20.1
ARMREST HEIGHT Min Max	190 290	7.5 11.4	165 265	6.5 10.4
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
KIT HI-LOW CHASSIS				
TOP OF SEAT TO FLOOR	MIN 460MM / MAX 640MM /			

TILT IN SPACE

WITH HANDLE FOLDED DOWN

10° prone - 30° supine

LENGTH 700MM / 27.6 INCHES WIDTH 620MM / 24.4 INCHES HEIGHT 410MM / 16 INCHES

SEAT SHELL



133-1600 Size 1 seat shell assembly with fixed back rest spine 133-1600-REM Size 1 seat shell assembly with removable back rest spine

INTERCHANGEABLE BACKREST OPTIONS



139-2600 Size 1 seat shell assembly with fixed back rest spine 139-2600-REM Size 1 seat shell assembly with removable back rest spine

133-605 Thoracic support assembly

133-401* Thoracic cushion & cover

133-604 Size 1 contoured sacral support 133-400* Size 1 contoured sacral

cushion & cover



Castellated foam seat base cushion & cover 133-404* Size 1 139-404* Size 2 Memory foam seat base cushion & cover 133-405* Size 1 139-405* Size 2

Seat shell comes as standard with

- seat base assembly
- upper leg guides and ramps
- backrest spine
- chassis interface mechanism

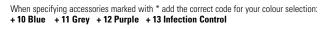


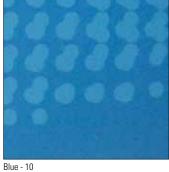
Shoulder support assembly 133-611 Size 1 139-611 Size 2 Shoulder support cushion & cover 133-400* Size 1 139-400* Size 2



133-612 Sacral support assembly 133-403* Sacral cushion & cover

COLOUR OPTIONS



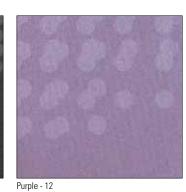


LECKEY SERVICING

Grey - 11 Our FREE service and support includes: Free product training Free product set up Free product assessment Free product re-assessment Free repair within 2 year warranty



Thoracic angle adjustable laterals 133-605 Thoracic support assembly 133-619 Laterals hardware 133-402* Cushion and cover



Grey (Infection Control) - 13

For service policies on all products outside warranty, please contact Leckey's Customer Service department. James Leckey Design Ltd as manufacturer with sole responsibility declares that all products conform to 93/42/EEC guidelines and EN12182 technical aids for disabled persons general requirements and test methods. Order forms and spare parts lists to extend the service life of the product and allow reissue are available on request or online at www.leckey.com.

ACCESSORIES





133-608 Hip lateral pads (Pair) (With cover)



133-737 Pelvic Cradle gluteal ramp

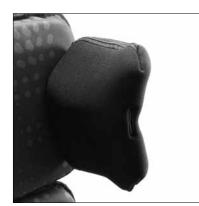
133-728 Pelvic Cradle Size 0 **133-729** Pelvic Cradle Size 1 **133-730** Pelvic Cradle Size 2 **133-731** Pelvic Cradle Size 3



133-609 Flip away laterals (Single without covers) 133-747 Lateral Covers (Single)



133-622-LH Flipaway Laterals Complex Horizontal Left Hand (single with covers)
133-622-RH Flipaway Laterals Complex Horizontal Right Hand (single with covers)



 133-614-LH Flipaway Laterals Complex Vertical Left Hand (single with covers)
 133-614-RH Flipaway Laterals Complex Vertical Right Hand (single with covers)



133-619 Thoracic cushion with angle adjustable laterals (Laterals hardware only)133-402* Cushion and covers



133-625 Chest pad



133-1626 Chest harness size 1 **133-2626** Chest harness size 2 **133-3626** Chest harness size 3



133-1620 Lateral headrest



133-736 Armrests (Pair)



133-2147 Armrest Spacers



133-680 Padded tray insert



133-2145 Tray - Clear (For use with extended armrests) 133-2146 Tray - Black (For use with extended armrests) 133-635 Tray - Clear 133-624 Tray - Black



133-721 Leg straps (Pair)



133-682 Large femoral gables - Left **133-686** Large femoral gables - Right **133-683** Small femoral gables - Left **133-687** Small femoral gables - Right



133-1005 Foam spacer pack



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



133-1021 Femoral spacers (1") **133-1012** Femoral spacers (2")



133-638 Footplates with 50mm lateral adjustment

CHASSIS & MOBILITY INTERFACE OPTIONS



KIT Hi-low base 133-750 Hydraulic 133-760 Powered



133-740 45cm Discovery base and mobility interface A



133-726 45cm Discovery Interface A 133-790 Interface A for 45cm/18" bases (not shown) 133-781 45cm Discovery interface for Otto Bock B400



Established in 1983, Leckey is a globally recognised pioneer in the research and development of products that help adults and children with disabilities to go, do, enjoy and participate in everyday activities throughout the day and night.

We take a highly clinical approach to product design and development. Through in-depth clinical research studies with leading universities, and extensive trials with occupational therapists, physiotherapists, users and their families, we continue to develop posturally supportive, family friendly products for all day care, at every stage of life.

Through early intervention, childhood and adulthood Leckey's experienced team of designers, therapists and bioengineers work together to develop products that meet the clinical needs of the healthcare professionals and the social needs of the user.

To achieve this, we work with the healthcare professionals, the individuals and carers who use our products everyday. With their help, we create the dependable, durable, proven and high performance products that we are known for worldwide.



















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