

spex
1266 Spex Lateral
Trunk Support



1266 Spex Lateral Trunk Support User Manual

[Home](#) » [spex](#) » 1266 Spex Lateral Trunk Support User Manual 

Contents

- 1 1266 Spex Lateral Trunk Support
- 2 Specifications
- 3 FAQ
- 4 Introduction
- 5 Contraindications
- 6 Safety Instructions
- 7 Added Depth Options
- 8 Re-issuing to another user
- 9 Transit Safety
- 10 Assembly, Use, Maintenance & Limitations
- 11 Warranty
- 12 Technical Data
- 13 CONTACT
- 14 Documents / Resources
 - 14.1 References

spex

1266 Spex Lateral Trunk Support



Specifications

- **Product Name:** Spex Lateral Trunk Supports
- **Product Code:** Begins with 1266-
- **Revision:** Lateral20240731_EN_v1
- **Intended Users:** Individuals requiring postural and positioning support for comfort and body function
- **Designed for:** Wheelchair seating for daily activities and transportation in vehicles

FAQ

- **Q:** Can the Spex Lateral Trunk Support be used without consulting a clinician?
- **A:** It is recommended to consult a clinician skilled in wheelchair seating and positioning before using the product to ensure suitability for the user.
- **Q:** How should I address skin redness or irritation while using the product?
- **A:** If you experience skin redness or itching, discontinue use and consult with your healthcare professional promptly.

Introduction

Spex recommends that a clinician such as an Occupational or Physiotherapist who is skilled in wheelchair seating and positioning be consulted to determine if the Spex Lateral Trunk Support is appropriate for the user.

Intended Use

Spex Seating is intended for users (disabled and/or discomforted) who require specific postural and positioning support to provide comfort for body function in a sitting posture on wheelchairs for daily activities and for transportation in vehicles. It is designed with ergonomic adjustments to provide improved personal body-posture conditions and/or to help prevent/reduce physical problems associated with sedentary work or activities.

Contraindications

1. Use of Spex Wheelchair seating products may affect the centre of gravity causing the Wheelchair to tip,

potentially causing injury. Always judge the need for anti-tippers or amputee axle adapter brackets to be added to the Wheelchair to increase stability.

2. Check regularly for skin redness and that pressure spots are not developing. If your skin develops redness, stop using the product and consult your doctor or therapist.

Compatibility

- Spex Lateral Supports have been designed to be compatible with most wheelchairs.
- Spex Lateral Supports are designed to be used with all Back Supports from the Spex range.
- Spex Laterals and mechanisms are tested and certified for the Spex brand and may not be appropriate for installation to other brands of wheelchair Back Supports.
- Spex Laterals and mechanisms are not appropriate for installation to other products or used in a manner other than Back Supports.

Safety Instructions

To avoid injury, read, understand, and follow all instructions and warnings in this manual before installing and using the Spex Lateral Trunk Support. There are hazards associated with the use of wheelchairs and adaptive equipment. If you misuse your wheelchair or your Lateral Trunk Support you can be seriously injured. If your Lateral Trunk Support ceases to function as intended, please consult your authorized Spex seating supplier immediately before continuing to use. Any serious incident that has occurred in relation to this product should be reported to Spex Ltd. The foam and fabric meet the flammability requirements of California Technical Bulletin 117. In rare cases, the fabrics used in this product may cause skin irritation for people with sensitive skin. If you experience any reddening or itching of the skin consult with your health care professional.

Disclaimer: Spex takes no responsibility for the therapeutic effectiveness of our products. Our claims relate to the ability of the products to provide safe and reliable positioning and seating on the equipment onto which they are installed.

WARNING

RISK OF ACCIDENT, INJURY, PAIN, OR DEATH IF WARNINGS ARE NOT FOLLOWED Ask for help if you are unsure about any of the following points.

1. Check your skin for red marks or pressure spots regularly. If your skin is red or itchy, stop using the product and consult with your healthcare professional.
2. Never use the lateral support without a cover. Stay away from open flames or burning cigarettes. Using the lateral support without a cover increases the risk of flammability and skin damage.
3. Never exceed the weight limit of your lateral support or your wheelchair. The weight limit of the wheelchair is specified by the wheelchair manufacturer. Never perform exercise weight training that could exceed the weight limit of the wheelchair.
4. Check if anti-tippers or other adaptations need to be added to the wheelchair to help increase stability. Installing seating systems may affect the centre of gravity and could cause the wheelchair to tip.
5. The Spex Lateral Trunk Support has been designed as a postural support for wheelchair users. Never use your lateral support in ways it is not designed to be used.
6. Ensure all body parts are kept clear of the swing-away pivot points during movements.
7. Check that the locking mechanism is locked after all movements. If it stops locking do not use the equipment.

Environment

- **Caution:** Avoid sharp objects or exposure to extreme heat or open flame. These could damage your lateral support.
- **Moisture:** Always keep your lateral support dry. If your lateral support etc. gets damp or wet, thoroughly wipe with a dry cloth as soon as possible. Never use your lateral support in a shower or pool facility. Moisture is a contributing factor in causing pressure ulcers. It can damage your lateral support and could potentially cause failure.
- **Temperature:** The lateral support should be at room temperature before use. Your lateral support may not function as intended when used at extreme temperatures. Do not leave the lateral support outside overnight or at temperatures below 5°C/41°F.
- **Dirt:** Small bits of dust, dirt, and sand can damage your lateral support. Regularly wash your lateral support cover to ensure no build-up occurs.

Maintenance & Cleaning

- Check that the hardware is working correctly, if not you must replace it immediately.
- Spex recommends that all fasteners be checked for wear, such as loose bolts or broken components, every 6 months.
- Loose fasteners should be retightened according to the installation instructions.
- Contact your authorized Spex Seating supplier immediately to replace any broken components.
- Do not continue to use the system after identifying loose or broken components. For any questions regarding cleaning procedures, contact your authorized Spex Seating dealer.
- The expected lifetime of the Lateral Support is 5 years. Spex recommends using AHP (Accelerated Hydrogen Peroxide) disinfectant wipes.
- The disinfection product must be used as per the manufacturer's instructions. Spex takes no responsibility for the effectiveness of the disinfecting process.

Cleaning the hardware

- Hardware may be wiped clean with mild detergent and water. Rinse with clean water. Dry thoroughly after rinsing.

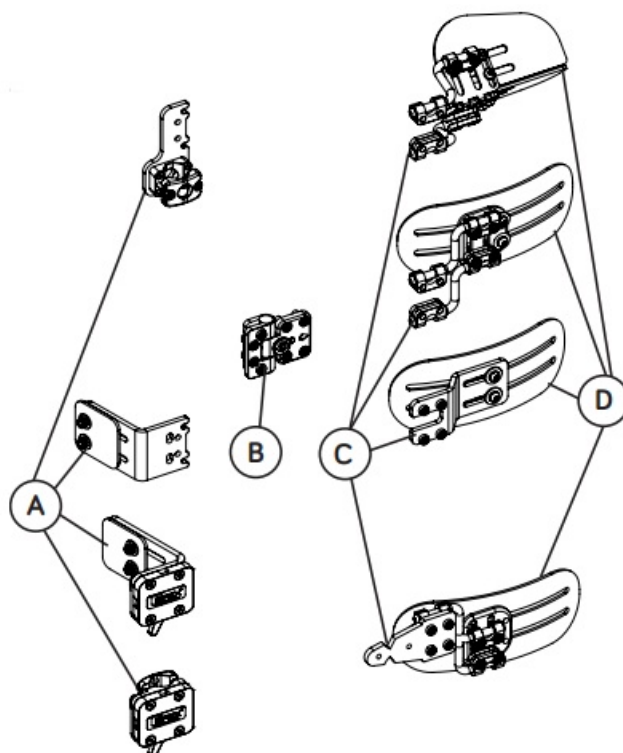
Cleaning the cover

- Machine wash in warm water at 40°C/104°F. Drip or tumble dry on low heat. Do not iron, bleach or dry clean. If chemical cleaners are used, covers must be rinsed thoroughly with water to remove all chemical residue and left to dry completely before reuse.



Lateral Support Contents

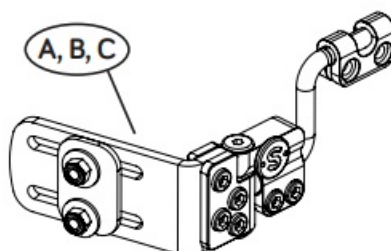
Your Lateral Support contains the following:



	Description	Quantity
A	Fixing Plate	1
B	Flip Away Hinge	1
C	Support Adjustment Brackets	1
D	Lateral Support Pad	1

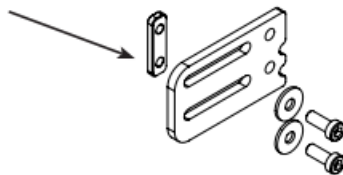
There are multiple options for the above parts examples of which are shown on the right. Your lateral support may include an extension plate, as highlighted.

Note: Quick-Release laterals may be provided with extra Axial bars for extra depth, see page 8 for further detail.



Pediatric laterals contain the same but will look like the following: Your pediatric lateral support may include an

Extender Kit, as shown.



Mounting the Lateral to the Back Support

Tools Required: 4mm, 5mm Hex Key, 10mm Ring Wrench

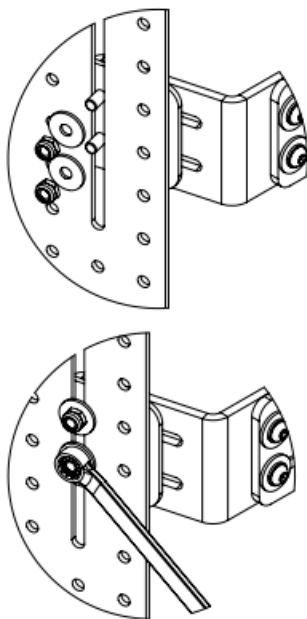


1. Place the Lateral bracket with the rubber pad against the shell as shown.



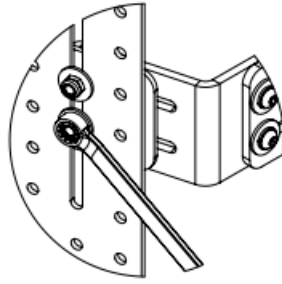
CAUTION The rubber pad must be between the bracket and the shell and used at all times

2. Use a 10mm Ring Wrench to tighten the M6 nuts. Do not overtighten



Width/Height Adjustment

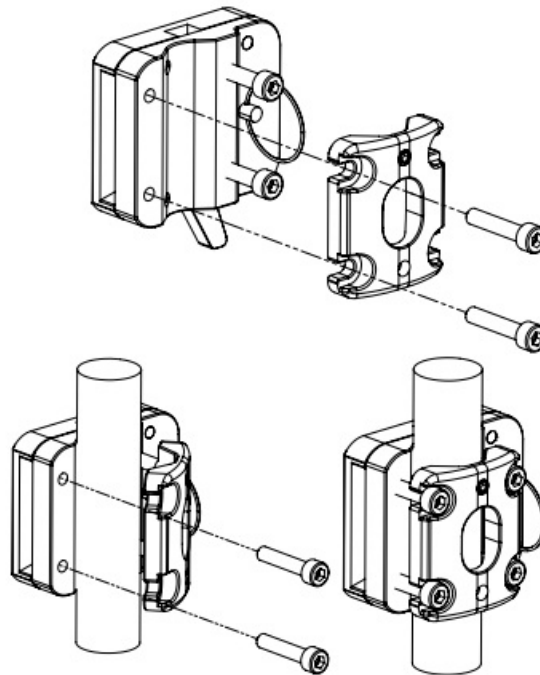
1. Use a 10mm Ring Wrench to loosen the M6 nuts.
2. Shift the Lateral into the desired position.
3. Tighten the M6 nuts



Mounting to Canes

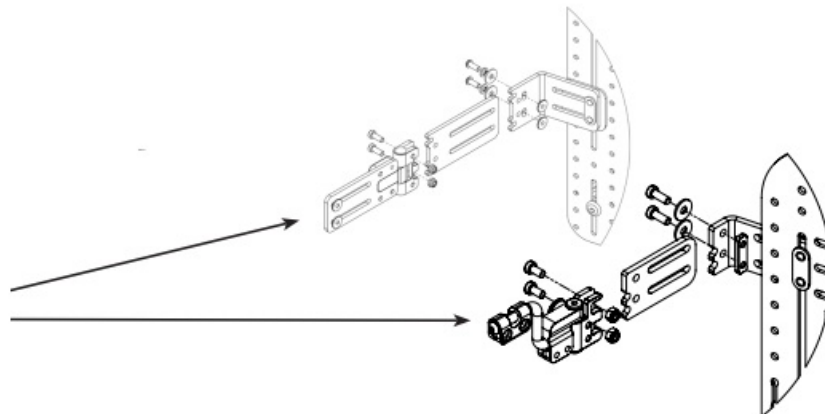
When using Cane Mounts instead of the fixing plate, follow these steps:

1. Use a 4mm hex key to remove 2 screws vertically aligned
2. Wrap the outer clamp around the cane in position and fasten it firmly.

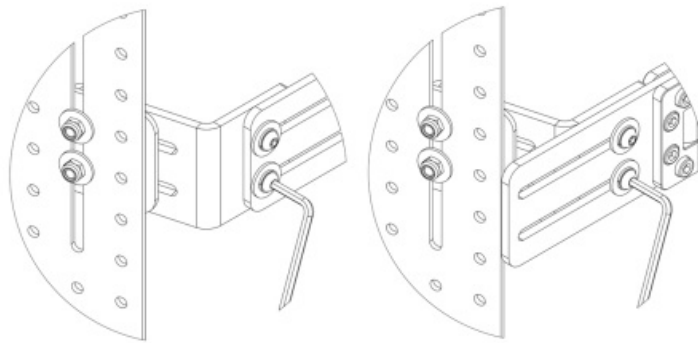


Added Depth Options

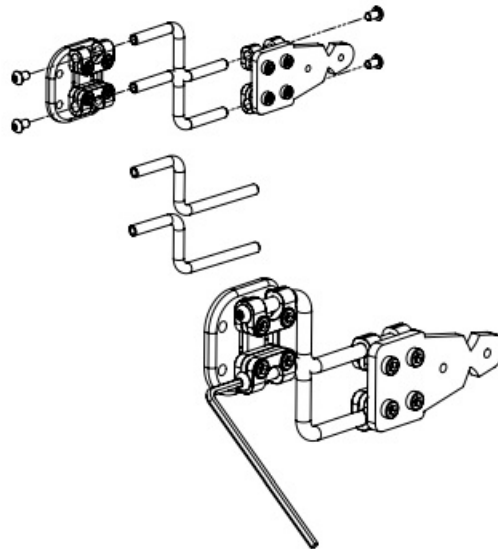
1. Optional extension bracket is shown:
 1. #1266-2430-100
 2. #1266-2440-100



2. Use the extended bracket to adjust the depth of the Lateral as required. Ensure fasteners are tightened correctly



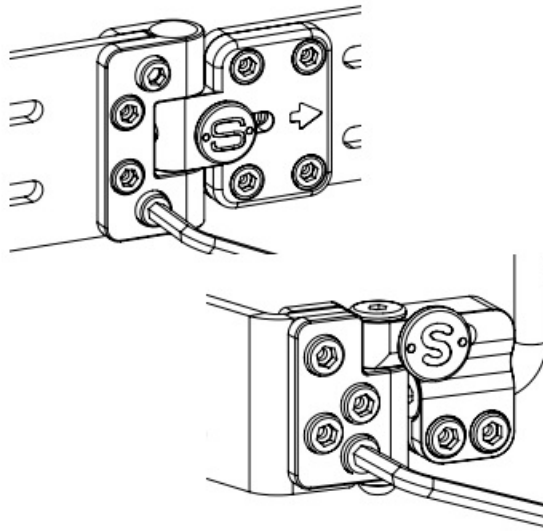
3. When using a Quick Release Lateral: Extra-depth can be achieved by using the extended Axial bars provided as spare.
 1. Remove the 4 button head screws from the ends of the Axial bars
 2. Swap the bars into the clamps
 3. Refasten the 4 button head screws onto the Axial bars



Angle adjustment

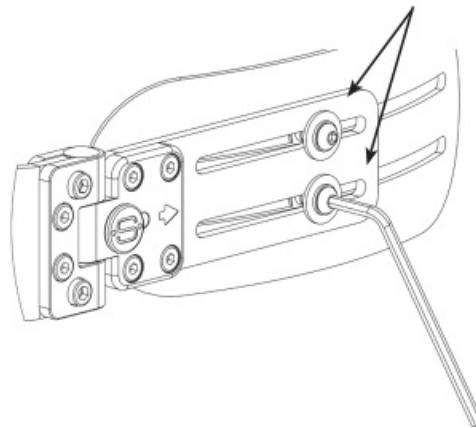
1. Adjust the silver screws to change the angle of the Lateral plate when positioning. Retighten once complete, ensuring the Lateral will not move.

CAUTION The silver screws must be tightened prior to the user sitting in the wheelchair. The silver screws must be checked regularly for sufficient tightness



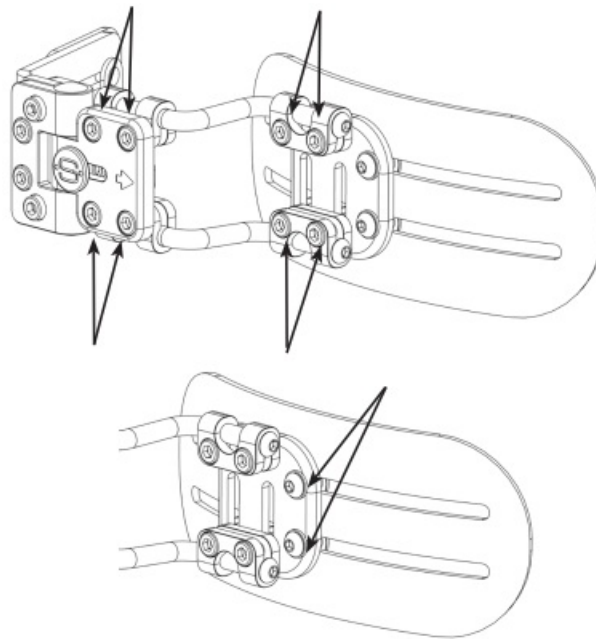
Depth Adjustment

1. Remove the zippered cover and foam to adjust. Use a 4mm Hex key to adjust the position of the plate, by adjusting the two fasteners shown



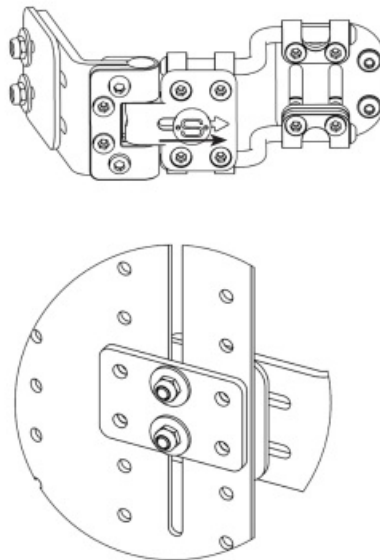
Axial Adjustments (if fitted)

1. Use a 5mm Hex key to adjust the angle and height of the plate. Loosen the eight fasteners highlighted to position the plate as required.
2. Use a 4mm Hex key to adjust the position of the plate, by adjusting the two fasteners shown



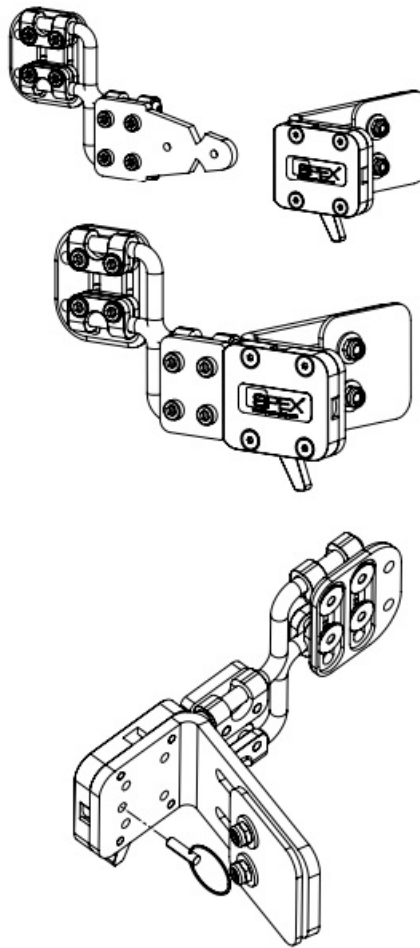
Releasing the Swing-Away Mechanism

1. Slide the button across to open the Lateral.
2. To strengthen the Lateral bracket when there is a lot of force on the Lateral, the secondary bracket must be used as shown



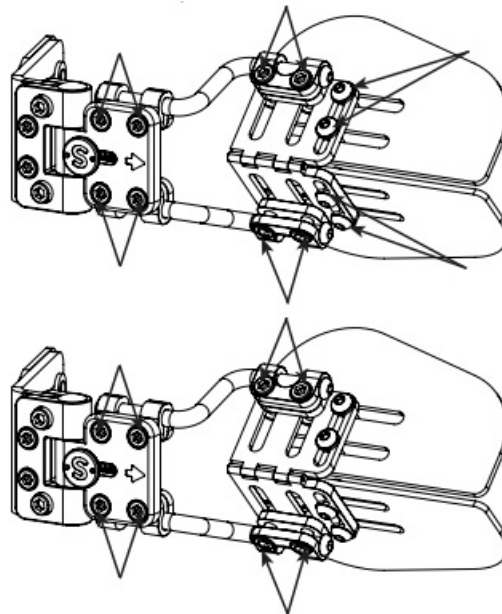
Releasing the Quick-Release Mechanism (if fitted)

1. Pull the lever forward and remove the lateral.
2. To re-engage push into the mount until it clicks, locking itself in place.
CAUTION Ensure that the lateral is locked in place by trying to pull it away without activating the lever
3. To fix the lateral and restrict removal insert the detent pin into the mechanism and ensure that it engages the tongue
CAUTION Ensure that this has engaged, by trying to release the lateral. When using this support in transport the detent pin must be engaged



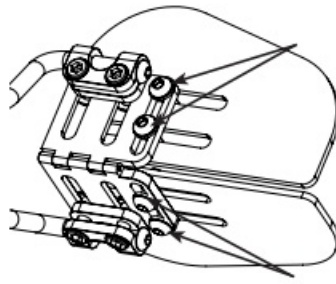
Biangular Adjustments (if fitted)

1. Use a 4 and 5mm Hex key to adjust the angle, height, pad curvature angle, and depth of the Biangular lateral pad. Loosen the 12 fasteners highlighted to position the plates as required.
2. Correctly tighten the 8 highlighted bolts to set the angle, height, and curvature angle of the pad.



3. Lastly, tighten the 4 fasteners shown to set the pad depth and secure the curvature angle

CAUTION Ensure the four highlighted bolts are loosened enough prior to adjusting to allow them to slide freely along the slots. The bolts should then be tightened in a suitable position\ that does not create bunching or stretching of the foam



Re-issuing to another user

Once the user has finished using the Spex Lateral Support, it must be refurbished and thoroughly cleaned if it is issued to another user. Below are the strict guidelines for refurbishing the Spex Lateral Support. Spex recommends using AHP (Accelerated Hydrogen Peroxide) disinfectant wipes. The disinfection product must be used as per the manufacturer's instructions. Spex takes no responsibility for the effectiveness of the disinfecting process. Spex takes no responsibility for contamination, cross-infection, or damage.

Part	Procedure
Safety check	All components to be checked for signs of stress or cracking.
Upholstery covers	Upholstery outer covers must be replaced regardless of condition.
Hardware and components	<p>Ensure the mechanism components are in place and in safe working order. If any are missing, they must be ordered. Check for signs of stress or cracking. If any stress/cracks are found the Lateral Support is to be retired from use and must be disposed of.</p> <p>Clean the hardware and components with a mild detergent and quality disinfectant such as the AHP (Accelerated Hydrogen Peroxide) disinfectant wipes, ensuring all areas are free from grime.</p>
Foam	The foam pad must be replaced regardless of condition.

Disposal & Recycling

Many of the materials in your Spex Seating System can be recycled by taking it to a recycling center. Thank you for looking after the environment! Follow all local laws and regulations when disposing of your Spex Seating System

Transit Safety



CAUTION

When using the Quick-Release Lateral Support in transit the detent pin must be engaged.

- The Spex Seating System has been successfully crash tested and complies with RESNA WC-4:2012, Section 20 (WC20) The Spex Seating System meets the requirements of ISO 16840-4:2009 and is suitable for use as a

motor vehicle seat when used with an appropriate wheelchair base.

- Please follow all installation, use, and maintenance instructions within this manual as well as the following transit instructions.
- If feasible, the wheelchair user should transfer to the vehicle seat and use the vehicle-installed occupant restraint systems.
- Spex Seating System has been designed to accommodate the proper use of vehicle-anchored belt restraints.

Spex achieved a rating of Excellent (16 out of 16), for ease of properly positioning a belt restraint and the degree to which proper belt restraint can be achieved, based on the methods of Annex D. The following items of the Spex Seating System have been tested and are suitable for use in a motor vehicle:

- Full Height Back Support Models
- Seat Base
- Cushion Models
- Arm and Thigh Supports
- Trunk Lateral Supports
- Head Supports

Note: Back Supports that are lower than the user's shoulder height are not certified and not recommended for transport in a vehicle. Eg. Vigour Lo and Vigour Mid Back Supports.

Assembly, Use, Maintenance & Limitations

- Adjustments to the set-up of the wheelchair must only be carried out by a qualified therapist, professional, or seating technician. Custom contoured/ bespoke systems may require a qualified professional to configure and install the seating system.
- After carrying out any adjustments ensure all bolts, screws and nuts are securely fastened again to ensure safety when traveling in a vehicle.
- Ensure the top and bottom mounts of the backrest and the front and rear mounts of the seat pan are installed as far apart from each other as possible to give a stronger 4-point attachment to the wheelchair frame. Ensure the quick release latches are engaged.
- Do not use the Spex Seating System as a vehicle seat if seating components that have not been successfully crash tested are used anywhere on the seating system. Spex Seating is designed and certified using only Spex components. Spex is not liable in the event that other manufactured seating systems are used in conjunction with Spex Seating.
- At regular intervals check that all the fastenings on the Spex Seating System have not become loose during day-to-day use and re-tighten if necessary.
- Ensure the swing-away Laterals are in their locked position before using the seat as a vehicle seat in a motor vehicle.

Correct Positioning of Belt Restraints

When using the Spex Seating System as a vehicle seat, both a pelvic-belt restraint and shoulder-belt restraint must always be used. To correctly position the belt restraints on the wheelchair occupant, the following must be ensured:



Figure 1

- The pelvic-belt restraint should be worn low across the front of the pelvis near the junctions of the pelvis and thighs.
- The angle of the pelvic-belt restraint should be between 30° to 75° relative to the horizontal and, ideally, between 45° to 75° to the horizontal (as shown in Figure 2).

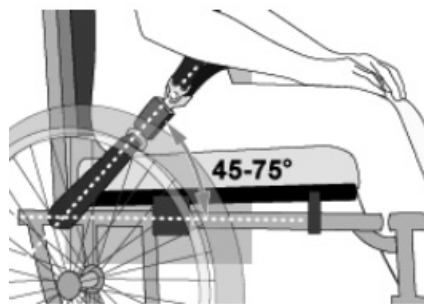


Figure 2

- The belt-restraint buckle of three-point belt restraints should be placed in contact with the occupant's body and away from wheelchair components.
- The junction of the shoulder belt and pelvic-belt of three-point-belt restraints should be located near the hip opposite the shoulder over which the diagonal belt crosses and not near the midline of the occupant.
- Belt restraints should not be routed outside of the wheelchair wheels or over the wheelchair armrests, and should not be held away from the body by wheelchair components or parts.
- Upper torso belt restraints should fit directly over, and in contact with, the middle of the shoulder.
- Belt restraints should be adjusted to fit as snugly as possible, consistent with user comfort.
- Belt restraints should not be worn and twisted in a manner that reduces the area of contact of the belt webbing with the occupant.



Figure 3a - Improper positioning of pelvic-belt restraints over wheelchair supports.

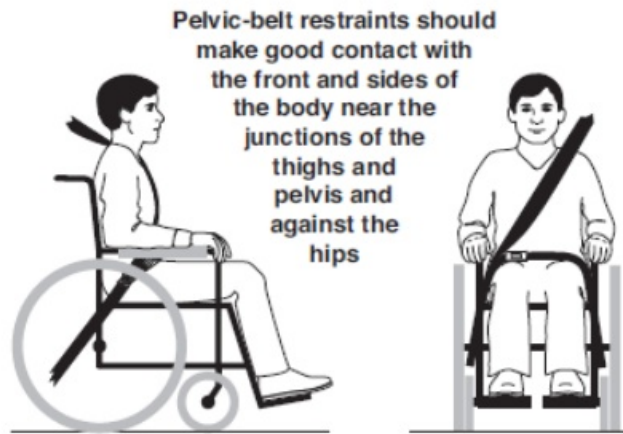


Figure 3b - Proper routing and positioning of belt restraints on the wheelchair occupant.



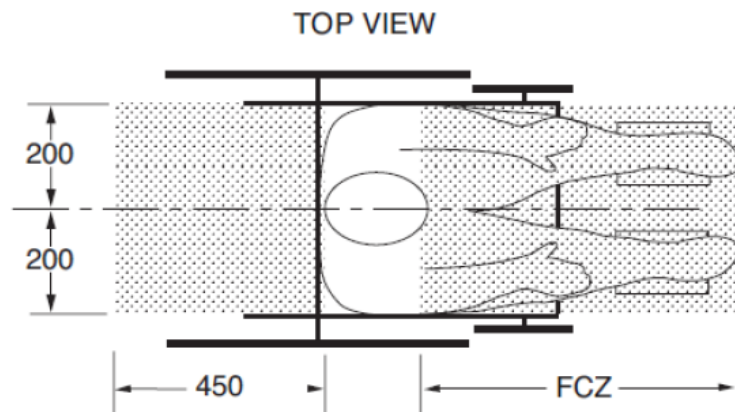
WARNING

1. The distance between the top of the user's shoulder and the top of the back should not exceed 6.5" (16.5 cm).
2. The Spex Seating System must only be used with wheelchair bases that are tested as part of a wheelchair system that conforms to performance requirements of ISO 7176-19 and RESNA WC-4:2012, Section 19.
3. The Spex Seating System should only be used on wheelchair frames that provide four securement points and pelvic-belt anchor points that conform to the requirements of RESNA WC-4: 2012, Section 19.
4. The wheelchair must be labeled as appropriate for use as a seat in a motor vehicle, dynamically tested to the performance requirements of ISO 7176-19, and installed, used and maintained according to the manufacturer's instructions.
5. The Spex Seating System must only be used as indicated in this user manual.
6. Both pelvic and shoulder-belt restraints as a part of a complete Wheelchair Tie-down and Occupant Restraint System (WTORS) that meets ISO 10542-1 shall be used to achieve effective occupant restraint and optimum protection in a vehicle impact; the belt restraints should be compatible with the specific wheelchair, and fitted to the user in accordance with WTORS manufacturer's instructions.
7. Back Supports with adjustable recline angles should not be tilted back more than 30° beyond the vertical during travel in vehicles unless necessary for the medical and postural needs of the occupant.
8. If the Back Support must be adjusted to an angle that is greater than 30° beyond the vertical during travel, the upper shoulder-belt anchor point should be adjusted rearward to maintain belt contact with the wheelchair occupant's shoulder and chest.
9. The Spex Seating System must only be used for forward-facing seating in motor vehicles.
10. In order to reduce the potential of injury to vehicle occupants, wheel-chair-mounted rigid trays not specifically intended for use during travel in motor vehicles must be:
 1. Removed and secured separately in the vehicle or
 2. Secured to the wheelchair so they will not break free in a crash and
 1. Be positioned with a gap of at least 3" (75mm) between the back edge of the tray and the wheelchair occupant's abdomen and/or chest so as not to interfere with the proper belt-restraint use, and
 2. Have energy-absorbing padding placed between the back edge of the tray and the wheelchair

occupant.

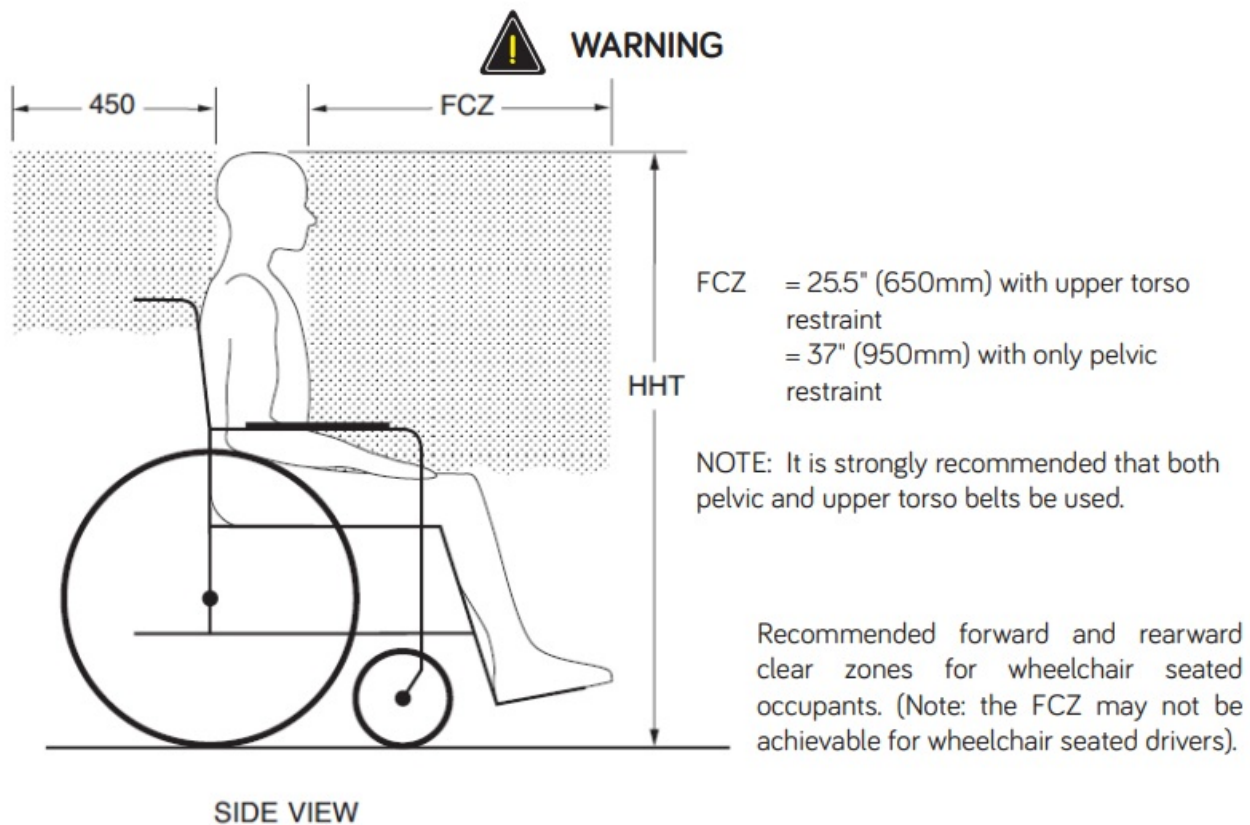
11. Alterations or substitutions must not be made to the seating system structure, parts or components, without first consulting Spex.
12. The use of a postural pelvic belt attached to the wheelchair base or seat frame is encouraged during travel, but these belts should be positioned so that they don't interfere with the proper positioning of crashworthy belt restraints, and they should not be relied on for occupant protection in crash situations unless the postural belt has been designed to comply with and perform to the requirements of WC19.
13. Postural support devices that are not labeled as conforming to ISO 16840-4 may be used when in a vehicle, but should not be relied on for occupant restraint.
14. Both pelvic belt and shoulder belt restraints that comply with WC18 and/or WC19 should be used to limit occupant movement in a crash and reduce the likelihood of occupant ejection from the vehicle and/or injurious contact of the occupant with the vehicle interior.
15. Belt restraints should be positioned on the wheelchair occupant in accordance with the WTORS manufacturer's instructions.
16. Backrest mounting hardware must be installed correctly. Refer to the appropriate section for the correct backrest hardware mounting instructions.
17. If the wheelchair is being transported while occupied, the wheelchair must still be secured to the WTORS.
18. Children whose mass is less than 48.5 lbs. (22 kg) should be transferred from their seating system into appropriate child restraint systems intended for use in motor vehicles.
19. Sufficient forward and rearward clear space should be provided around the wheelchair occupant. The forward clear-space zone (FCZ) needs to be larger when a shoulder belt restraint is not used.

FAILURE TO HEED THESE WARNINGS COULD CAUSE SEVERE INJURY TO THE WHEELCHAIR USER OR OTHERS.



NOTES: The rear clear zone is measured from the rearmost point on an occupant's head. The front clear zone is measured from the front-most point on an occupant's head.

Seated head height (HHT) ranges from about 47" (1200mm) for a small adult female to about 61" (1550mm) for a tall adult male.



Warranty

- Each Spex Lateral Trunk Support is carefully inspected to provide peak performance and is guaranteed to be free from defects in materials and workmanship for a period of 12 months from the date of purchase, provided normal use
- Should a defect in materials or workmanship occur within 12 months from the original date of purchase, Spex will, at its option, repair or replace it without charge.
- This warranty applies to the Lateral Trunk Support components including the pad, cover and hardware.
- This warranty does not apply to general wear and use, including punctures, tears or burns or customer abuse of any of the Lateral Trunk Support components. Claims and repairs should be processed through the nearest authorized Spex supplier.
- Except for express warranties made herein, all other warranties, including implied warranties of merchantability and warranties of fitness for a particular purpose are excluded.
- There are no warranties that extend beyond the description on the face hereof.
- Remedies for breach of express warranties herein are limited to repair or replacement of the goods. In no event shall damages for breach of any warranty include any consequential damages or exceed the cost of non-conforming goods sold.
- The serial number of your Lateral Trunk Support can be located by unzipping the Lateral Support pad cover.

Technical Data

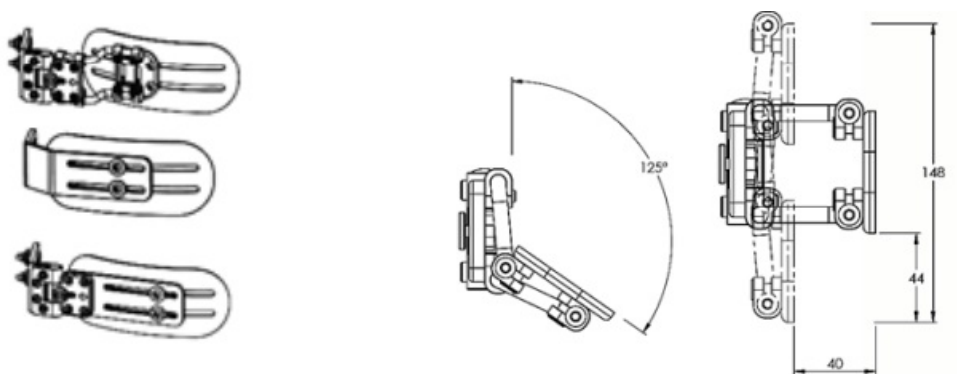
- Weight Limit:
- Adult Lateral Support: 136 kg (300 lb).
- Pediatric Lateral Support: 50 kg (110 lb).
- Bracket Weight: Between 0.15 – 0.45 kg (0.3 – 1 lb) Pad Weight: Between 0.05 – 0.3 kg (0.1 – 0.7 lb)

- Materials:
- Hardware: Aluminium
- Cover: PU Foam, EVA Foam, Nylon, Polyester

Fixed and Axial Lateral Hardware

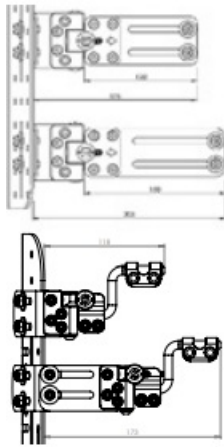
	Depth Adjustment
Axial Hardware	55mm
Pediatric Hardware	60mm
Fixed Hardware	55mm
Paediatric Fixed Hardware	40mm

Axial Technology

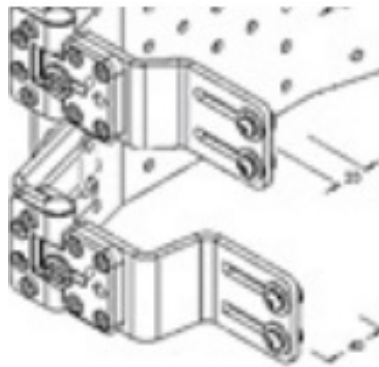


Swing-Away Hardware

Standard	Overall Length	Plate Length
Swing-away, straight	175mm	120mm
Swing-away, straight extended	205mm	150mm
Pediatric swing-away	118mm	n/a
Pediatric swing-away extended	173mm	n/a



Offset	Offset
Swing-away offset	20mm
Swing-away, offset extended	40mm



Lateral Support Pads Narrow Straight

Size	Pad Height	Pad Depth
0	85mm	115mm
1	95mm	145mm
2	95mm	180mm
3	115mm	210mm
4	115mm	240mm

Narrow Curved

Size	Pad Height	Pad Depth
1	95mm	145mm
2	95mm	180mm
3	115mm	210mm
4	115mm	240mm

Broad

Size	Pad Height	Pad Depth
1	105mm	130mm
2	125mm	140mm
3	140mm	150mm
4	160mm	155mm
5	195mm	165mm
6	230mm	175mm

CONTACT


- Spex Ltd

- Phone +64 3 307 9790
- Fax +64 3 307 2820
- solutions@spexseating.com
- spexseating.com
- 32 Detroit Drive Rolleston 7614 New Zealand

US	REP
<p>Medicept</p> <p>200 Homer Ave, Ashland, MA 01721 United States</p> <p>Tel: +1-508-231-8842</p>	

EC	REP
<p>BEO MedConsulting Berlin GmbH Helmholtzstr. 2</p> <p>D-10587 Berlin, Germany Tel: +49-30-318045-30</p>	

Documents / Resources

 <p>spex 1266 Lateral Trunk Support</p>	<p>spex 1266 Spex Lateral Trunk Support [pdf] User Manual</p> <p>1266 Spex Lateral Trunk Support, 1266, Spex Lateral Trunk Support, Lateral Trunk Support, Trunk Support, Support</p>
--	---

References

- [S Home Page - Spex Seating Global : Spex Seating Global](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.