



spex

Shaping Better Lives

Adapta
Back
Support

Supporting
complex postures
through adaptive
Profile Curvature
System





Adapta² Back Support

Providing intricate contour to the thoracic and lumbar spine through an adjustable two-section Profile Curvature System with a supportive padded surface.



Adapta³ Back Support

Providing expanded contouring options for more complex spinal postures through a three-section Profile Curvature System with a broader supportive padded surface.

Adapta² Back Support

The Adapta² Back Support meets the needs of wheelchair users with complex postural presentations including Lordosis, Anterior Pelvic Tilt, and prominent gluteal shelf.

Through careful design and engineering the Adapta² provides contoured support to the pelvis, lumbar and thoracic spine. The strong aluminium shell is composed of two sections that can be adjusted independently from one another. The adjustment in angle provides the flexibility to accommodate moderate to complex spinal curves.



Adapta³ Back Support

The Adapta³ Back Support meets the needs of wheelchair users with complex postural presentations including Kyphosis, Anterior or Posterior Pelvic Tilt and Lordosis.

The Adapta³ offers an additional adjustable section providing even greater contouring opportunities for more complex postures. The additional height of the Adapta³ provides increased support for less active wheelchair users.

With the back support split into three sections that can be adjusted individually in angle and in height, you can achieve natural contours to position and support the pelvis and spine.



Clinically correct



Adapta² Back Support is designed for the individual who:

- Presents with Lordosis and Anterior Pelvic Tilt and require extra support on the lumbar spine.
- Requires greater lumbar support with specific pressure relieving to accommodate a gluteal shelf.
- Requires specific contouring to accommodate lumbar & thoracic spine.



Adapta³ Back Support is designed for the individual who:

- Presents with Kyphosis and Posterior Pelvic Tilt and require support at the sacrum and an increased surface contact area along the c-curved spine.
- Presents with Lordosis and Anterior Pelvic Tilt and who require a higher back support or additional upper thoracic contouring.

Positioning with less complexity

- Provide effective positioning through the adaptive Profile Curvature System that contours to the shape of the individual.
- Match trunk profile with Adapta-Points and tighten to secure. Once tightened you can be confident the system will stay in place.
- Adjustments are made through each shell section offering flexibility as positioning needs change over time.
- Additional contouring can be achieved through positioning wedges provided with the back support as standard.



A close-up photograph of an office chair's backrest adjustment mechanism. The chair's backrest is covered in a black, textured mesh fabric. It is attached to a white, curved metal support structure. Two black plastic adjustment brackets are visible, each with a central circular hole and two smaller side holes. The mechanism is mounted on a white vertical post. The background is a clean white, with a large red curved shape on the right side of the image.

Less foam, less heat, more comfort

- By contouring to the spine through the adjustable back support shell, foam bulk can be decreased which improves airflow.
- Soft yet supportive thin-line foam padding combined with breathable upholstery conforms to its section to provide superior comfort and postural support.
- Contact area distribution is maximised with one foam pad across all sections.
- These needs can be accommodated without excessive foam padding, making it easier to manage temperature and other related issues. The contoured surface remains supportive and holds its shape when the seating system is tilted or adjusted.

Easily provide additional positioning

- Increased positioning can be achieved through use of the additional wedges included in the kit. Extra contouring can be achieved using the TSS Lite Kit accessory.
- Accessible cover design: easily insert positioning components through accessible zippers on the side of the padding.

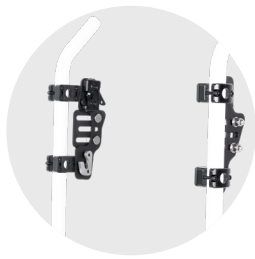


Adjustable even when the client is sitting

The Profile Curvature System, positioned at the rear of the back support, allows for all adjustments to be made while the wheelchair user is seated and avoiding the need to transfer out of the chair.

Configurable mounting hardware options

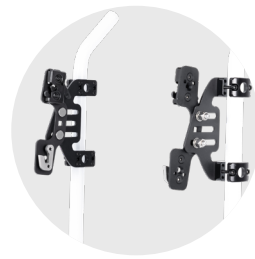
Four options of mounting hardware allow the back support to be pushed forward or backwards depending on individual needs:



Dual Mount

To accommodate Kyphosis and Posterior Pelvic Tilt, the central section can be positioned backwards to increase the overall depth of the wheelchair seat.

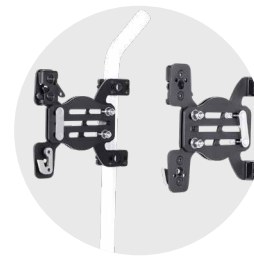
Suggested hardware for Adapta³.



Forward Dual Mount

An alternative configuration of Dual Mount which positions the back support further forward.

Suggested hardware for Adapta².



Forward Extended Dual Mount

Can achieve the most forward position to meet client's lumbar spine.

Suggested hardware for Adapta² when hyper Lordosis is present.



Single Mount

Only suggested when Dual Mount options aren't suitable.

To allow the back support to be positioned higher on wheelchairs with shorter back canes.

HARDWARE		DUAL MOUNT	FORWARD DUAL MOUNT	FORWARD EXTENDED DUAL MOUNT	SINGLE MOUNT*
DEPTH BACK FROM CANES	MIN	-1"	-3"	-8.5"	-1" (-3.5" in forward configuration)
	MAX	0.5"	-1.5"	-4.5"	1 (-1.5" in forward configuration)
ANGLE FROM CANES	MIN	-25°	-25°	-50°	-25°
	MAX	25°	25°	+50°	30°
WEIGHT		1.15kg	1.15kg	1.65kg	0.9kg
CODE		1259-2205-100	1259-2210-100	1259-2215-100	1259-2100-100

*Single Mount hardware can be easily flipped forward to provide extra depth adjustment.

Anatomically match spinal curves with height adjustment

The Adapta³ Back Support features a height adjustable top section.

- Enabling precise position of the back support curves to match the user's trunk shape.
- The top Adapta-Point on all sizes can adjust up to 2 inches of additional height.



Standard
with all
Adapta³ Back
Supports



Scripted
option for
Adapta³ Back
Supports

Flip-back mechanism for easier transfers

The Adapta³ Back Support is available with a flip-back upper section (and head support if attached) which swings away to aid with transfers for kyphotic clients, giving easy access for slings and other aids.

Specifications

Adapta² Sizing Chart

Back Support Height (inches) (HH)	Wheelchair Width (inches) (WW)			
	14	16	18	20
12	Available			
13		Available		
14	Available			
15		Available	Available	Available
16			Available	Available
17			Available	Available
18				Available

To order, replace the **HH** and **WW** in the code, with the appropriate size required.

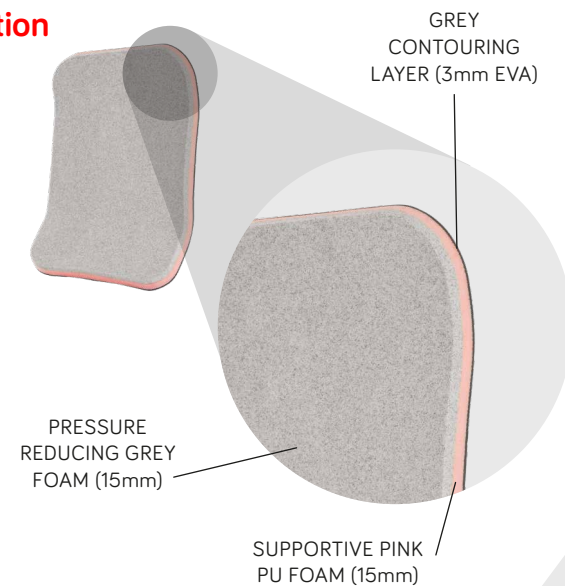
Adapta³ Sizing Chart

Back Support Height (inches) (HH)	Wheelchair Width (inches) (WW)			
	14	16	18	20
16	Available			
17				
18	Available	Available		
19				
20		Available	Available	Available
21				
22			Available	Available
23				
24				

Adapta³ Back Supports have an additional 2" of padding length to accommodate adjustments.

		ADAPTA ²	ADAPTA ³
WEIGHT (WITHOUT HARDWARE, 16" BACK)		1.6kg	2.6kg
WEIGHT CAPACITY		136kg	136kg
ANGLE ADJUSTMENT CAPABILITY - TOP		N/A	40° Anterior & Posterior
ANGLE ADJUSTMENT CAPABILITY - BOTTOM		40° Anterior & 60° Posterior	40° Anterior & 60° Posterior
HEIGHT ADJUSTMENT		N/A	2"
OVERALL THICKNESS (INCLUDING COVER)		35mm	35mm
CODES	STANDARD	1257-WWHH-200	1257-WWHH-300
	FLIPBACK VERSION	N/A	1257-WWHH-3FK

Foam Composition



Transport Certified All Adapta Back Supports and hardware configurations are suitable for transport in a vehicle when mounted on an appropriate wheelchair frame.

Accessories & Customisations



Depth Reduced Lateral Trunk Support

If the user requires further lateral stability, add depth reduced lateral trunk supports with a flat bracket that is suitable for use with Adapta slimline padding.

Code: 1266-2331-100



TSS Lite Kit

Contouring and positioning kit for use behind upholstery. Includes selection of TSS shape elements and foam wedges.

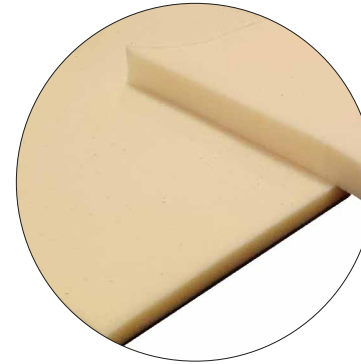
Code: 1250-3955-000



Reduced Length Shoulder Strap Guides

When scripting shoulder strap guides with the Adapta back support the reduced length version is required to ensure the guides and back support sections do not conflict.

Code: 1400-6693-000



15mm Low Resilient Foam Overlay

Add 15mm thick low resilient foam to front section of back support for pressure relief.

Code: 1209-2348-300



Stylo Head Support for Adapta³

When scripting a headrest with the Adapta³ Back Support a Stylo with a reduced length stem is required to ensure the stem and back support sections do not conflict.

Code:

Stylo 160 - 1274-1255-000

Stylo 260 - 1274-1285-000

Only applicable for Adapta³ Back Supports

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