spex

Shaping Better Lives



CLINICAL WHEELCHAIR SEATING

SPEXSEATING.COM



Contents

Spex - Our Heritage	5
Codes for Standard Sized Cushion	9
Cushion Covers	10
Vigour Cushion	11
Spex Standard Contour Cushion	12
Spex High Contour Cushion	13
Spex SuperHigh Contour Cushion	15
Spex Constructa Cushion	17
Spex XLella Bariatric Cushion	21
Codes for Standard Sized Back Supports	25
Spex Back Support Hardware Options	26
Vigour Back Support	27
Manta Back Support	29
Spex Classic Back Support	31
Contouring the Spex Back Support Surface	33
Back Support Contouring Charts	34
SuperShape Back Support	35
XLella Bariatric Back Support Range	41
Tessellated Positioning Kit	45
Spex Wheelchair Padding	46
Lateral Trunk Supports	47
Lateral Support Pads	49
Axial Biangular Lateral Support	51
Seat Base	55
Universal Positioning Bases	57
Transport Certified	58
Stylo Head Support	59
Spex Head Support Fitting Guide	61
Stylo 130	62
Stylo 160	63
Stylo 260	64
Head Support Pads	65
Lateral Thigh Supports & Arm Supports	69
Anterior Trunk & Pelvic Positioning Tips	71
Anterior Trunk Positioning	72
Anterior Pelvic Positioning	73
Limb Stabilisers	74

spex
Shaping Better Lives



HEAD SUPPORT

Comfort 250 in Ocean Blue on Stylo 260

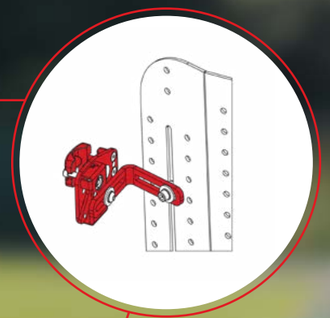


LATERALS

Broad 3 pads on Swing-Away Hardware

BACK HARDWARE

Quad Mount



HARNESS

Centrepoint





HIP BELT

4 point Centre-pull, Centre-release



BACK SUPPORT

Classic T-Shape in Ocean Blue



CUSHION

Classic SuperHigh Contour in Ocean Blue

Our heritage.

Since 1990, Spex has engineered specialised seating products that provide the optimal blend of positioning, function and comfort.



The Spex brand is a cultivated result from over 30 years of research, trial, and listening to customer feedback. As industry innovators, we have worked with top clinicians, and tested our products to perform and satisfy. Distinguished by high standards of design and clinical evaluation, Spex delivers a superior clinical seating packed with advantages.





Benefits of Spex

Spex seating is intended for users who require postural support, and accomplishes what the seating clinician desires, with a focus on minimising the steps taken to reach the solution, and ease of ongoing Spex Adaptation.

- Clinically appropriate seating choice
- Easy to use from installation to completion
- Customisable to suit different postural deviations
- Modular flexibility to accommodate changing postural needs
- Installs on virtually any wheelchair base
- Breathable for temperature control
- Standard sizes from 10" paediatrics to large adults with non-standard sizes by request
- Wheelchair transportation safety standards certified

Hardware

Spex configurable hardware is the outcome of engineering achievements with a goal to establish an easy-to-install support interface that suits virtually anybody and any wheelchair.

Crash tested and certified to RESNA WC-4, Section 20 and ISO16840-4 transport standards when used with a WC19/ ISO 7179-19 compliant wheelchair base frame, you can be reassured that Spex will live up to its brand attributes of being resilient and durable.

Spex hardware can be deployed as the building blocks for other customised and moulded seating systems.

Note: Utilising the new series hardware in conjunction with previous hardware is not recommended due to testing and certification reasons.

Axial technology

With many clients having asymmetrical body contours and requiring their posture to be supported and maintained, our patented Axial technology provides the correct surface contact and support structure with a mechanically rotational system.

Axial hardware allows the support pad to be set at any angle to meet rotated pelvis, wind-sweeping, scoliosis etc. so the pad interface is in the exact corresponding position for full surface contact benefiting by distributing weight and therefore reducing pressure, whether on a lateral pelvic/thigh support, lateral trunk support or medial thigh/knee support or other body support.

Z-bars allow unimpeded adjustability for setting support pads at the desired width and angle for maintaining clinically correct posture. In addition to the rotational pad adjustment, the Z-bars allow infinite offset capabilities and width adjustment.

Spex is the subject of patents, patents pending, design rights and copyright. Spex places great value in these intellectual property rights and reserves its right to protect them where necessary. User instructions can be downloaded at *spexseating.com/downloads*. Spex seating may not function as intended when used at extreme temperatures; keep away from sources of moisture and extreme temperatures.

spex
Shaping Better Lives

HEAD SUPPORT

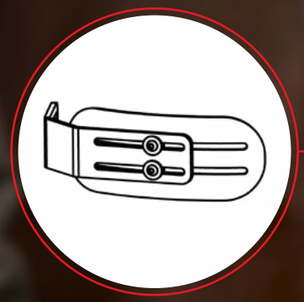
Circle 150 on Stylo 160





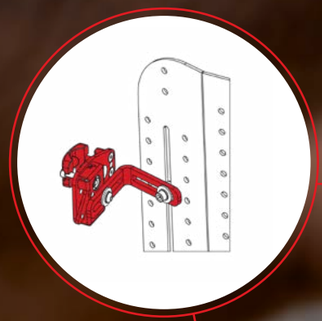
LATERALS

Pair 1: Narrow Straight 2 pads on Swing-Away hardware



LATERALS

Pair 2: Broad 3 pads on Fixed hardware (used as pelvic support)



BACK HARDWARE

Quad Mount



HIP BELT

2 point Centre-pull, Centre-release



BACK SUPPORT

Vigour Hi in Chilli Red



CUSHION

Classic Standard Contour in Chilli Red



PADDING

Hanger Padding

Codes for Standard Sized Cushions

Our cushion codes are meaningful!

Here's how to generate a product code to place your order.

CUSHION STYLE				-	CUSHION WIDTH		CUSHION LENGTH		-	CONTOUR HEIGHT	
1	1	0		-					-	0	

CUSHION STYLE
2 = Constructa
3 = Vigour/XLella
5 = Spex Classic/XLella

CUSHION WIDTH
e.g 16"

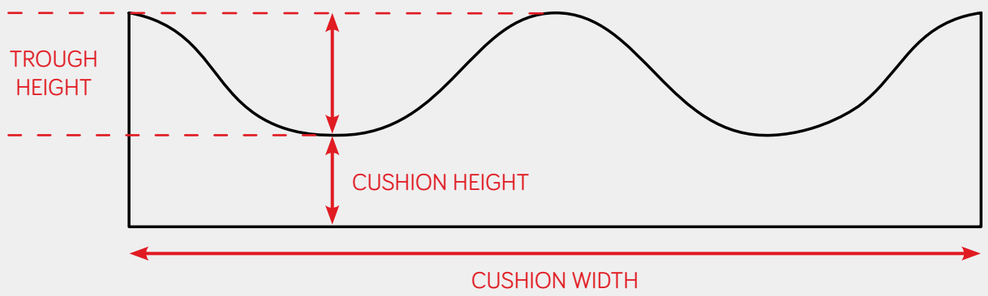
CUSHION LENGTH
e.g 18"

CONTOUR HEIGHT
SC = Standard
HC = High
SS = SuperHigh (available only on Spex style cushions)

EXAMPLE
A standard Contour Spex cushion of width 18" and length 20", would have the code 1105-1820-OSC.

SPEX & VIGOUR CUSHION MEASUREMENTS GUIDE

This FRONT-VIEW of a Spex/Vigour cushion, shows the different measurements referred to on the subsequent product pages.



Stand out from the crowd!

Upgrade your cushion with a splash of colour, for no extra cost!

We offer 8 colour options for our Spex cushion outer covers alternative to the standard black fabric. Simply add the upgrade codes to your cushion order.



Granite Grey
1111-0491-090

Ocean Blue
1111-0491-060

Royal Purple
1111-0491-077

Calypso Pink
1111-0491-028



Chilli Red
1111-0491-022

Mango Orange
1111-0491-030

Bumblebee Yellow
1111-0491-044

Leaf Green
1111-0491-054

Spare cushion covers

All our cushions come standard with an inner incontinence cover and an outer cover. However, if you would like a spare incontinence or outer cover, these are available too.

See our scripting and ordering guide for ordering codes or get in touch with your local Spex distributor.



Vigour Cushion



CLINICAL

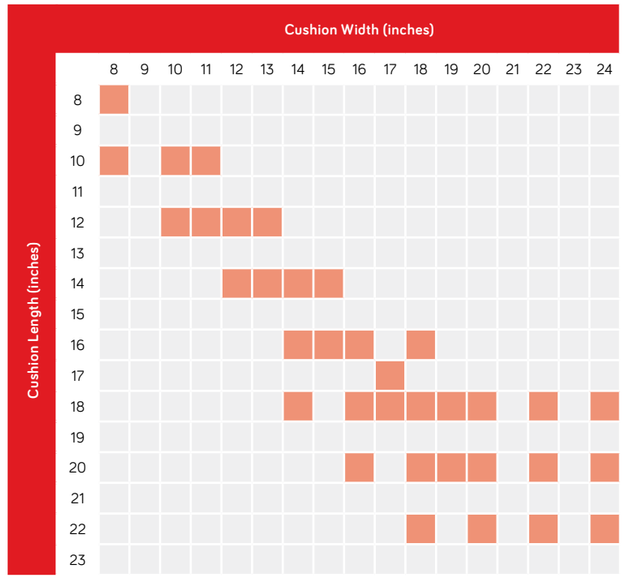
Designed for the user who:

- Requires pressure reduction and redistribution
- Requires pelvic stability
- Needs moderate control of posture and upper extremities
- Needs moderate control of abduction or adduction propensities

FUNCTIONAL

- Gel-foam ischial well evenly distributes pressure under the pelvis
- Special foam layers' combination, strategically combined to offer a supportive foundation for a correct seating posture
- Slight thigh elevation built-in for increased balance
- Specific contouring offers a high degree of pelvic stability
- Coccyx channel for enhanced pressure relief (for sizes 16" +)
- Dual-layer cover reduces shear forces, and breathable air-mesh on cushion sides counters moisture
- Inner incontinence cover included
- Customisable for many requirements such as leg length discrepancies

CUSHION SIZE CHART



- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

CUSHION DETAILS

Width	Height	Capacity	Trough Height (mm)		Product Weight	
			Std	High	Std	High
8"-10"	2"	200lbs (90kg)	30	50	(16x16) **1.4kg**	(16x16) **1.5kg**
11"-15"	2.5"					
16"-17"	2.75"	350lbs (160kg)				
18"-20"	3"					

PRODUCT PERFORMANCE

Pressure Care			3		
Positioning			3		
Lateral Stability			3		
Offloading			3		
Changing Needs	1				

- Note: This is a guide only and ratings are dependent on correct use of product.

Spex Standard Contour Cushion





CLINICAL

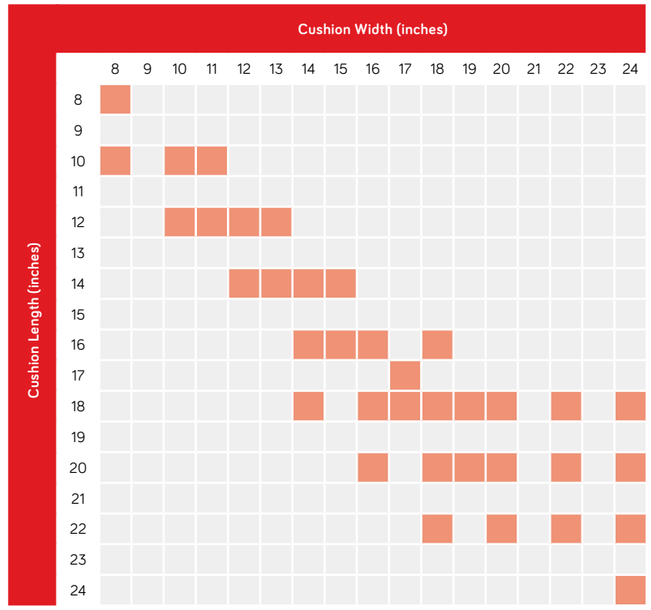
Designed for the user who has moderate to severe postural needs and pressure requirements. Excellent choice for individuals who:

- Have changing postural needs over time
- Have a symmetrical or asymmetrical sitting posture that requires correction or control
- Require pelvic support and pressure relief/distribution
- Require a high degree of pelvic stability and specific contouring
- Need moderate control of abduction or adduction propensities

FUNCTIONAL

- Created as the solution-solver for asymmetrical postures
- Strategic contouring pads offer complete customisations on-the-spot for a perfect fit for the client
- Gel-foam ischial well evenly distributes pressure under the pelvis
- Coccyx channel for enhanced pressure relief (for sizes 16" +)
- Dual-layer cover reduces shear forces, and breathable air-mesh on cushion sides counters moisture
- Inner incontinence cover included
- Customisable for many requirements such as leg length discrepancies

CUSHION SIZE CHART



- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

CUSHION DETAILS

Width	Height	Capacity	Trough Height	Product Weight
8"-10"	2"	200lbs (90kg)	30mm	(16x16) **1.5kg**
11"-15"	2.5"			
16"-17"	2.75"	350lbs (160kg)		
18"-20"	3"			

PRODUCT PERFORMANCE

Pressure Care				4	
Positioning				4	
Lateral Stability			3		
Offloading				4	
Changing Needs				4	

- Note: This is a guide only and ratings are dependent on correct use of product.

Spex High Contour Cushion

The Spex High Contour Cushion offers enhanced thigh and abductor support. Key solution to positioning and levelling the pelvis correctly and effectively. Accomplish on-the-spot modifications with the cushion's strategic positioning base.

CLINICAL

Designed for the user who has moderate to severe postural needs and pressure requirements. Excellent choice for individuals who:

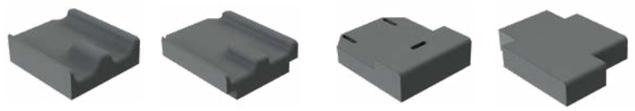
- Need high control of abduction or adduction propensities
- Have changing postural needs over time
- Have a symmetrical or asymmetrical sitting posture that requires correction or control
- Require pelvic comfort and pressure relief/distribution
- Require a high degree of pelvic stability and specific contouring

FUNCTIONAL

- Positioning base promotes anterior pelvic tilt and active reach to engage in activities
- Created as the solution-solver for asymmetrical postures
- Strategic contouring pads offer complete customisations on-the-spot for a perfect fit for the client
- Gel-foam ischial well evenly distributes pressure under the pelvis
- Coccyx channel for enhanced pressure relief (for sizes 16" +)
- Dual-layer cover reduces shear forces, and breathable air-mesh on cushion sides counters moisture
- Inner incontinence cover included
- Customisable for many requirements such as leg length discrepancies



Bespoke modifications can be scripted according to needs of the user.



SPEX STRATEGIC POSITIONING BASE



Configure to suit many different postures of persons with disabilities or sitting issues. By adjusting the strategic positioning base, the cushion surface is contoured to improve overall posture, pelvic alignment, sitting ability, comfort and pressure reduction.



PROMOTES ANTERIOR PELVIC TILT AND ACTIVE REACH TO ENGAGE IN ACTIVITIES
Cushion can be wedged to slope to front with cells added at rear and removed at front.



MANAGEMENT & POSITIONING
Build cells up under thighs for enhanced pre-ischial support and control.



PELVIC ROTATION
To help control pelvis from rotating, create a build-up under the affected leg (in front of the ischial).



CUSHION SIZE CHART

Cushion Width (inches) / Cushion Length (inches)

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
8	■																
9																	
10	■		■	■													
11																	
12			■	■	■	■											
13																	
14					■	■	■	■									
15																	
16							■	■	■		■						
17										■							
18							■		■	■	■	■	■		■		■
19																	
20									■		■	■	■		■		■
21																	
22											■		■		■		■
23																	
24																	■

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

CUSHION DETAILS

Width	Height	Capacity	Trough Height	Product Weight
8"-10"	2"	200lbs (90kg)	50mm	(16x16) **1.6kg**
11"-15"	2.5"			
16"-17"	2.75"	350lbs (160kg)		
18"-20"	3"			

PRODUCT PERFORMANCE

Pressure Care	■	■	■	4	
Positioning	■	■	■	4	
Lateral Stability	■	■	■	4	
Offloading	■	■	■	4	
Changing Needs	■	■	■	4	

- Note: This is a guide only and ratings are dependent on correct use of product.

Spex SuperHigh Contour Cushion

Using the proven Spex strategic positioning base technology, the SuperHigh contour cushion creates an optimum pelvic foundation for the user that requires extra pelvic and hip support.

The medial thigh support combined with lateral thigh supports maximizes the user stability, providing greater balance and support on upper body. The SuperHigh contour cushion's body-hugging nature delivers comfort and daily sitting relief; while the 3D breathable mesh fabric helps in reducing moisture and temperature.

CLINICAL

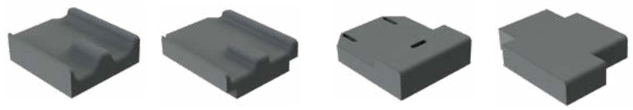
Designed for the user who has moderate to severe positioning requirements. Excellent choice for individuals who:

- Require extra pelvic, hip stability, and specific contouring
- Have muscle tone patterns that require sufficient thigh lateral control. Thigh support is higher for alignment - refer measurement table
- If extremity support can't be maintained through the use of external thigh laterals and/or if installing thigh laterals can't be used, the SuperHigh contour cushion will provide that needed support and stabilisation
- Have a symmetrical or asymmetrical sitting posture that requires correction or control/accommodation

FUNCTIONAL

- No maintenance required. A reliable, peace-of-mind solution!
- Strategic contouring pads offer complete customisations on-the-spot for a perfect fit for the client
- Removable lateral rigidizers which add extra thigh support/alignment
- Gel-foam ischial well evenly distributes pressure under the pelvis
- Coccyx channel for enhanced pressure relief (for sizes 16"+)
- Dual-layer cover reduces shear forces, and breathable air-mesh on cushion sides counters moisture
- Inner incontinence cover included
- Customisable for many requirements such as leg length discrepancies
- Not compatible with Thigh Supports or Medial Thigh Supports

Bespoke modifications can be scripted according to needs of the user.



Full length contouring customisation without 50mm rear step (shown in red on right) can be made with no additional cost.

1111-0304-000



SPEX STRATEGIC POSITIONING BASE



Configure to suit many different postures of persons with disabilities or sitting issues. By adjusting the strategic positioning base, the cushion surface is contoured to improve overall posture, pelvic alignment, sitting ability, comfort and pressure reduction.



PROMOTES ANTERIOR PELVIC TILT AND ACTIVE REACH TO ENGAGE IN ACTIVITIES
Cushion can be wedged to slope to front with cells added at rear and removed at front.



MANAGEMENT & POSITIONING
Build cells up under thighs for enhanced pre-ischial support and control.



PELVIC ROTATION
To help control pelvis from rotating, create a build-up under the affected leg (in front of the ischial).



Lower REAR CONTOURING allows for improved hip belt positioning

Deep PELVIC IMMERSION for anti-thrust needs

Super high medial and lateral contouring for STABILITY AND CONTROL

Cross-linked foam profiles for DURABILITY

Maintain PELVIC STABILITY with adjustable positioning base

CUSHION SIZE CHART

Cushion Length (inches) \ Cushion Width (inches)	8	9	10	11	12	13	14	15	16	17	18	19	20
8	■												
9													
10	■		■	■									
11													
12			■	■	■	■							
13													
14					■	■	■	■					
15													
16							■	■	■		■		
17										■			
18							■		■	■	■	■	■
19													
20									■		■	■	■
21													
22											■		■
23													

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.
- SuperHigh cushion not compatible with Thigh Supports or Medial Thigh Supports

CUSHION DETAILS

Width	Height	Capacity	Trough Height	Product Weight
8"-10"	2"	200lbs (90kg)	80mm	(16x16) **2.0kg**
11"-13"	2.5"			
14"-15"	2.5"		100mm	
16"-17"	2.75"	350lbs (160kg)		
18"-20"	3"			

PRODUCT PERFORMANCE

Spex SuperHigh

Pressure Care	■	■	■	4	
Positioning	■	■	■	4	
Lateral Stability	■	■	■	■	5
Offloading	■	■	■	4	
Changing Needs	■	■	3		

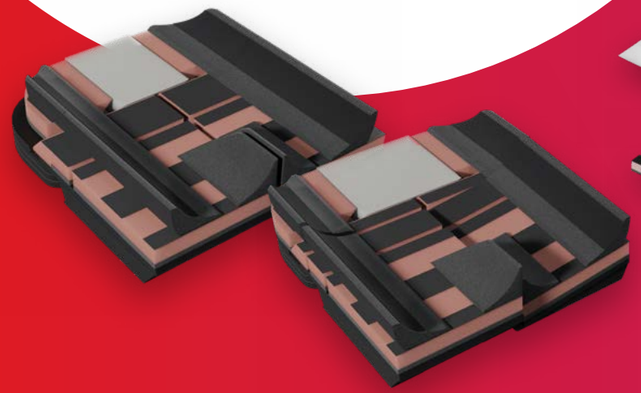
Spex SuperHigh (full length contouring)

Pressure Care	■	■	3		
Positioning	■	■	■	4	
Lateral Stability	■	■	■	■	5
Offloading	■	■	3		
Changing Needs	■	■	3		

- Note: This is a guide only and ratings are dependent on correct use of product.

spex constructa

Our most anatomically adaptable cushion.



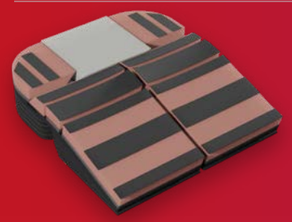


The latest research shows that asymmetric limited hip flexion is closely linked to the development of other conditions, including pelvic obliquity, trunk asymmetry, scoliosis and windswept hip distortion *(Ágústsson, A. et al, 2017).*

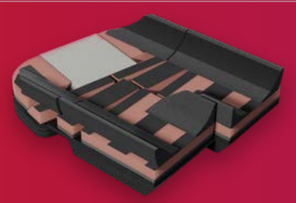
A wheelchair cushion that can accommodate asymmetrical hip angles can maintain or improve posture over time, instead of contributing to the development of other postural conditions. The Constructa system is a range of modular cushions which can adapt to accommodate complex postural needs for users of all ages. From simple seating requirements to the most challenging demands, the result is better seating which minimises pressure while maximising comfort.

Constructa Cushions are ideal for users with…

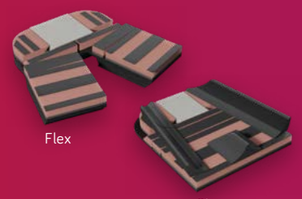
Limited hip flexion



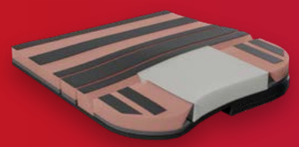
Windswept posture



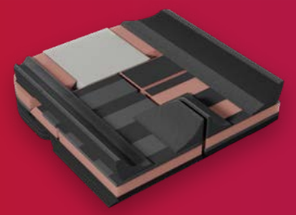
Adduction/Abduction



Pelvic obliquity



Issues with areas of pressure



And a variety of other symmetric and asymmetric postures.

The result is a cushion which gives clinicians the power to provide refined solutions quickly while maintaining the ability to adapt and evolve over time.

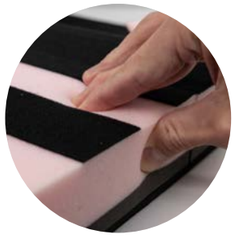
spex



Constructa Shape

Available in 14" – 20" Widths







The simplified version of this innovative modular cushion features a flat base with positioning blocks and contouring pads designed to deliver refined support which can be adjusted for the individual user.

Thigh supports and the ischial well can be adjusted to accommodate rotation, growth (with seat depth and width adjustments) and to offload high-risk pressure areas. The ischial insert and overlay also help to distribute and reduce peak pressure points.

Constructa Flex

Available in 14" – 20" Widths

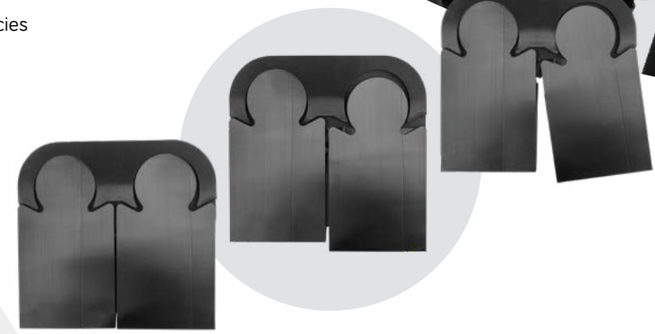


An array of improved positioning features (including adjustable blocks for growth or asymmetry as well as adjustable contours for thigh and pelvic control) dramatically enhance adjustment range.

A structured ischial well distributes and offloads pressure, adding to the comfort and overall experience for the user. This ability to provide complex custom solutions with off-the-shelf products means clinicians can quickly provide relief for users with a wide range of physical challenges, including;

- Flexion limitations
- Pelvic obliquities
- Windsweeping
- Abduction
- Leg length discrepancies





Features & Benefits





A refined fit

Constructa cushions match the body's contours, thanks to adjustments aligned with our anatomy.

Performance under pressure

The entire cushion was designed to manage pressure. The invertible positioning blocks provide the foundation for a supportive yet immersive cushion, while the ischial well blends without any firm edges for ultimate comfort.

The Thigh and Trochanter Blocks have a dual-layer construction using medium and firm foams. These blocks can be inverted with the firm grey foam at the top to reduce the immersion in a cushion zone, changing the overall pressure distribution of the cushion.





A quicker solution

The adaptable nature of the Constructa Cushion means users who need custom solutions get them sooner, with just a single appointment required to find the perfect fit for many users.

Designed to adapt

The Constructa Cushion was designed to evolve with the user's needs, delivering an ideal solution for years of growth or postural change.







Sleeker appearance

Stylish covers fit the cushion without limiting adjustment, while also making cleaning and maintenance easy.



Accessories

Customise your Constructa Cushion with extra components available from our Constructa Cushion Spare Parts Script.



Constructa Shape Strategic Positioning Kit

Spex cube adjustment kit to be used underneath Constructa Shape. Includes Pelvic and Thigh positioning pads to build up contour under the cushion base.

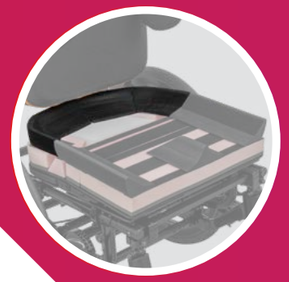
1102-WW00-000



Spare Outer Cover

A stylish cover which is comfortable, breathable and offers protection for the skin.

Shape: 1102-WWDD-00C-C
Flex: 1102-WWDD-F0C-C



Flexy Contour

Replaces lateral pelvic supports with one continuous, flexible lateral and posterior pelvic support.

Providing posterior support to the pelvis can promote neutral alignment of the pelvis and limit presentations such as:

- Posterior Pelvic Tilt
- Kyphosis
- Pelvis sliding forward

It can also be used to reduce pressure on the ischial tuberosities with improved offloading.

Available in High Contour only.
Compatible with Shape.

1102-WW00-00F

Cushion Specifications

CUSHION DETAILS

WIDTH	14"	16"	18"	20"
WEIGHT CAPACITY	90kg	90kg	136kg	136kg
CUSHION HEIGHT (SHAPE)	70mm	70mm	90mm	90mm
CUSHION HEIGHT (FLEX)	120mm	120mm	130mm	130mm

CONTOUR	STANDARD (SC)	HIGH (HC)	SUPERHIGH (SS)
LATERAL THIGH SUPPORT HEIGHT (TROUGH HEIGHT)	30mm	50mm	80mm
LATERAL PELVIC SUPPORT HEIGHT	30mm	50mm	50mm

ADJUSTMENT	SHAPE			FLEX		
HIP FLEXION	5°			15°		
HIP ABDUCTION	10° (5° each leg)			30° (15° each leg)		
WINDSWEPT POSTURE	5°			15°		
PELVIC OBLIQUITY	30mm			50mm		
PELVIC AND THIGH WIDTH	SC -2"	HC -2" to +1"	SS -2"	SC -2"	HC -2" to +1"	SS -2"
LEG LENGTH	-3"			-3"		
LEG LENGTH DISCREPANCY	N/A			-1"		
PRODUCT WEIGHT (16" x 16")	1.6kg			2.0kg		

- These specifications define the standard range of adjustability offered by Constructa cushion models. Further adjustment or modifications can expand the adjustment range beyond these specifications.

SIZE CHART

Cushion Length (inches) \ Cushion Width (inches)	13	14	15	16	17	18	19	20
13								
14		■						
15								
16		■		■				
17								
18		■		■		■		
19								
20				■		■		■
21								
22								■

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

Spex XLella Bariatric Cushion

The XLella cushions provide an off-the-shelf solution, with integrated adjustability and adaptability for potential changing needs. These are available in two different styles to meet the individual requirements and body shapes of the user, XLella Vigour Standard Contour and the XLella Classic (available in both Standard and High Contour). Both models are transport certified and have a weight capacity of up to 300kg.





XLELLA VIGOUR CUSHION (AVAILABLE IN STANDARD CONTOUR)

The XLella Vigour with Standard Contour height, being a less complex and non-contourable option, is ideal for more active users who require a sturdy base of support and high degree of stability.

XLELLA CLASSIC CUSHION (AVAILABLE IN STANDARD & HIGH CONTOUR)

The XLella Classic which is available in either Standard or High Contour, features the renowned Spex Strategic Positioning Base, enabling the cushion to be configured to solve many different pelvis needs.

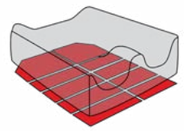
ACCESSORIES



EXTRA OUTER COVER
XLella Vigour Std: 1123-WWDD-6SC
XLella Classic Std: 1125-WWDD-6SC
XLella Classic High: 1125-WWDD-6HC
(insert width & depth as relevant)



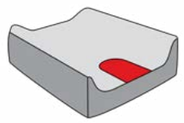
EXTRA INCONTINENCE COVER
XLella Vigour Std: 1133-WWDD-7SC
XLella Classic Std: 1135-WWDD-7HC
XLella Classic High: 1135-WWDD-7HC
(insert width & depth as relevant)



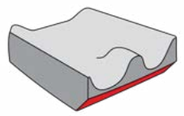
EXTRA POSITIONING KIT
Accessory for Spex Classic Cushions only
1111-0273-000

CUSTOMISATIONS

REMOVE MEDIAL THIGH CONTOURING
Remove the Medial Thigh Support on the cushion so that a flat front surface is achieved without any contouring. This is ideal relief for excess tissue and a great option to facilitate easy transfers for users without natural adduction of the thighs.
1111-0335-000



FRONT SURFACE CUT-BACK
Front surface cut-back, or a sloping front, can be achieved for users with excess tissue or to provide relief for users when transferring and/or foot propelling.
1111-0281-000



For full custom options please refer to the Spex Custom Cushion Script Form.



Sturdy Cushion Built with ENFORCED LATERAL SUPPORT

ROBUST Foam Construction

REFINED Ischial Well Geometry

DUAL LAYER COVER Design to Reduce Chafing

INCONTINENCE COVER Supplied with Every Cushion

CUSHION SIZE CHART

Cushion Length (inches) \ Cushion Width (inches)	20	22	24	26	28	30
18						
19						
20						
21						
22						
23						
24						
25						
26						

Cushion Depth can be specified to suit

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

CUSHION DETAILS

Width	Height	Capacity	Trough Height	Product Weight
22-28"	3.75"	225kg	30mm (Standard Contour) 50mm (High Contour)	2.9kg

PRODUCT PERFORMANCE

Classic Standard Contour Cushion

Pressure Care			3		
Positioning				4	
Lateral Stability			3		
Offloading				4	
Changing Needs				4	

Classic High Contour Cushion

Pressure Care			3		
Positioning				4	
Lateral Stability				4	
Offloading				4	
Changing Needs				4	

Vigour Standard Contour Cushion

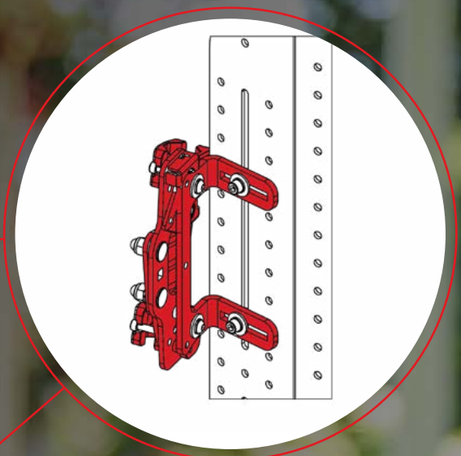
Pressure Care			3		
Positioning			3	4	
Lateral Stability			3	4	
Offloading			3	4	
Changing Needs	1				

- Note: These are used to compare the Spex products only.

spex
Shaping Better Lives

BACK HARDWARE

Dual Mount





BACK SUPPORT

Spex Adapta^3 in Royal Purple, with standard length padding



CUSHION

Classic SuperHigh Contour in Royal Purple

Codes for Standard Sized Back Supports

Our back support codes are meaningful!

Here's how to generate a product code to place your order.

BACK SUPPORT STYLE	BACK SUPPORT WIDTH	BACK SUPPORT HEIGHT	BACK SUPPORT STYLE
2 = Vigour 4 = Manta 5 = Spex 6 = SuperShape 7 = Spex Adapta 8 = XLella	e.g 16"	e.g 18"	OH = Vigour Hi OO = Manta SS = Spex Rectangle Back TS = Spex T Shape SS = SuperShape
1 2 5	-		- 0

EXAMPLE

A Spex T Shape Back Support of width 18" and height 20", would have the code 1255-1820-0TS.

Stand out from the crowd!

Upgrade your cushion with a splash of colour, for no extra cost!

We offer 8 colour options for our Spex back support outer covers alternative to the standard black fabric. Simply add the upgrade codes to your back support order.



Granite Grey
1209-2491-090

Royal Purple
1209-2491-077

Chilli Red
1209-2491-022

Bumblebee Yellow
1209-2491-044

Ocean Blue
1209-2491-060

Calypso Pink
1209-2491-028

Mango Orange
1209-2491-030

Leaf Green
1209-2491-054

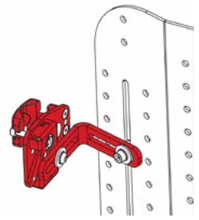
SPARE OUTER COVERS for any Spex back support are available for purchase. Refer to the Spex ordering and scripting guide for details, or get in touch with your local Spex distributor.

Spex Back Support Hardware Options

QUAD MOUNT (DEFAULT)

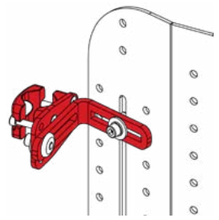
Quad Mount hardware is the default hardware option for Spex Back Supports and uses four independent points of attachment to the back support canes of the wheelchair for ultimate strength and lateral positioning. This hardware type offers 40mm of seat depth adjustment, and is available in three different variants:

QUAD MOUNT (DEFAULT)



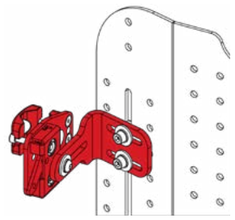
- A unique locking system that allows the back support to be removed easily
- Has 10° of back support angle
- Weighs 0.9kg

FIXED MOUNT



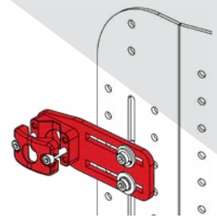
- Back support is non-removable without tools but is lighter (and a more cost-effective option)
- Limited adjustability and back support angle
- Weighs 0.6kg

HEAVY-DUTY QUICK-RELEASE



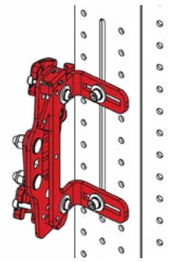
- Supports heavier users with stronger L-brackets
- Shares the benefits of quick release hardware
- Weighs 1.1kg

DIRECT MOUNT



- Width adjustable only, non-removable back support hardware.
- Weighs 0.55kg

DUAL MOUNT (OPTION)



Dual Mount hardware has two points of attachment to the back support canes of a wheelchair and offers simpler set up, increased adjustability, angle, and growth. It utilises the same quick-release hook and latch operation to secure the back support. Please note, this hardware option cannot be used on most wheelchairs that have a horizontal back cross brace.

Dual Mount hardware allows for:

- 40mm of seat depth adjustment
- 30° of back support angle
- Weighs 1.1kg

DROP MOUNT (OPTION)

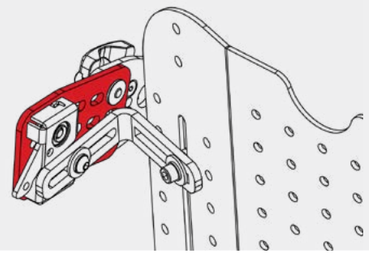


The lightweight Drop Mount Hardware self-locks into place and is simple to operate with a single combined clamp and mechanism unit. The release mechanism is simple to operate and suitable for single-handed use, and those with limited hand function. The hardware gives plenty of adjustability and rigidity and can be used on a wide range of wheelchair frames.

Developed using a composite material the Drop Mount Hardware is lightweight (600-800g) without compromising on durability.

Available in four sizes, ensures the visual footprint of the hardware is paired perfectly to the back support size. The hardware fits 10” to 20” wide backs which are between 7” to 18” tall.

BACK SUPPORT HARDWARE ACCESSORIES/ATTACHMENTS



QUAD MOUNT DEPTH EXTENSIONS

Increase back angle by 10° (set of 2 for upper mounts)

- Weighs 0.1kg

1259-2450-100

Increase seat depth by 4” (set of 4 for all mounts)

- Weighs 0.2kg

1259-2452-100

Vigour Back Support

Lightweight yet tough to meet the daily lifestyle demands of active wheelchair users. Back support angle and seat depth offers exceptional adjustability and can be facilitated with the user in the wheelchair. Ventilated spacer-fabric and shell system increases air-flow through the back offering daily comfort.

VIGOUR HI

Solid full height back support available in three heights for maximum trunk and shoulder support.

Designed for the individual who requires:

- A solid back support.
- Minimal to moderate postural support.
- Improved spinal and pelvic positioning whilst maintaining propelling efficiency.
- In combination with lateral supports offers exceptional trunk and thoracic stability.



MICRO-CUBE FOAM UPGRADE

Air-flow breathability for maximum control of temperature and moisture. Micro-cube cells provide zoned weight distribution enhancing comfort.

1209-2351-300







Dual-layer cover reduces SHEAR FORCES with air-mesh side panels to counter moisture and temperature

Can be upgraded with DIFFERENT FOAM PADDING OPTIONS for excellent results

SLOTS & HOLE POSITIONS on shell allow easy installation of head supports, lateral supports and harnesses

Add laterals as required from our LARGE MODULAR RANGE

SIZE CHART

Vigour Support Height (inches) \ Wheelchair Width (inches)	10	11	12	13	14	15	16	17	18	19	20
10											
11											
12	■	■									
13											
14	■	■	■	■							
15											
16	■	■	■	■	■	■					
17											
18			■	■	■	■	■	■	■	■	■
19											
20					■	■	■	■	■	■	■
21											
22											
23							■	■	■	■	■

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

PRODUCT DETAILS

Width	Height	Capacity	Product Weight
10"	2"	200lbs (90kg)	Lo Back (16x10) **0.7kg** Mid Back (16x16) **1.0kg** Hi Back (16x16) **1.3kg**
11"-15"	2.5"		
16"-17"	2.75"	300lbs (136kg)	
18"-20"	3"		

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 26.

PRODUCT PERFORMANCE

Postural Control	■	■	■	4	
Lateral Stability	■	■	3		
Postural Asymmetries	■	■	3		
Changing Needs	■	■	3		
Pressure Care	■	■	3		

- Note: This is a guide only and ratings are dependent on correct use of product.

Manta Back Support

Manta offers a solid shell with unique adjustable laterals (or wing tips!). That can be width, height and angle adjusted to give excellent lateral stability. An upholstery wrap offers comfort and secure spine and trunk support.

CLINICAL

Designed for the individual who requires:

- A solid back support to support minimal deformities or stability needs.
- Minimal to moderate postural support.
- Improved trunk/pelvic positioning whilst maintaining propelling efficiency.
- Has mild-moderate torso asymmetries.
- Greater functionality as there is minimal hardware between the client and the lateral supports.

FUNCTIONAL

- Fully adjustable and repositionable lateral 'wings' means that the therapist/clinician can ensure the right support in the right place for the user.
- Slick and non-obtrusive yet provides the right amount of spine and lateral stability for many different postural needs.
- Lightweight solid aluminium back support with quick-release hardware.
- Wrap upholstery section gives conforming comfort.
- Offers exceptional trunk stability.
- Minimal contouring, and includes positioning kit for further postural enhancements.
- Add head supports and other positioning supports if more support is required.

CONFORMING COMFORT



NEW COVER DESIGN





SIZE CHART

Wheelchair Height (inches)	Wheelchair Width (inches)								
	12	13	14	15	16	17	18	19	20
14	■	■							
15									
16	■	■	■	■					
17									
18			■	■	■	■	■	■	■
19									
20					■	■	■	■	■

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

PRODUCT DETAILS

Width	Capacity	Product Weight
10"-15"	200lbs (90kg)	(16x16)
16"-20"	300lbs (136kg)	**2.2kg**

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 26.

PRODUCT PERFORMANCE

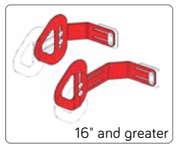
Postural Control					5
Lateral Stability					5
Postural Asymmetries				4	
Changing Needs			3		
Pressure Care			3		

- Note: This is a guide only and ratings are dependent on correct use of product.

MANTA WING ADJUSTABILITY







Manta Back Support Size	Lateral Wings	Max. Internal Width	Min. Internal Width
10-12"	Size 0	Scripted Back Width -3.5" (e.g. 12" Manta = 8.5")	Scripted Back Width -4.5" (e.g 12" Manta = 7.5")
13-15"	Size 1	Scripted Back Width -2" (e.g. 14" Manta = 12")	Scripted Back Width -5" (e.g. 14" Manta = 9")
16"+	Size 2	Scripted Back Width -1.5" (e.g. 16" Manta = 14.5"	Scripted Back Width -5" (e.g. 16" Manta = 11")

Spex Classic Back Support

Easily solve upper torso needs for most wheelchair users with the Spex exceptional upholstery section. Incorporates the Spex cube contouring cell system to allow on-the-spot customisations for torso comfort and asymmetry needs.

CLINICAL

Designed for the individual who:

- Requires a comfortable back support to reduce torso pain.
- Requires spinal alignment and support.
- Has skin breakdown/pressure care needs.
- Has bony or protruding skeletal prominences.
- Have changing postural needs.
- Pertains a maladaptive or asymmetric posture.

FUNCTIONAL

- Comfortable pressure reducing foam surface layer to absorb bony prominences.
- Cube contouring cell system provides configurations for a perfect fit and shape for the client.
- Customisation to contouring are performed on-the-spot.
- Created as the solution-solver for asymmetrical back postures.
- Modular componentry means you can 'mix and match' with different lateral pad options and positioning supports.
- Offers exceptional back/shoulder contact.
- Sustainable choice for issuing to other users.
- Dual-layer cover reduces shear forces, and breathable air-mesh on back support sides counters moisture and temperature.

RECTANGLE SHAPE

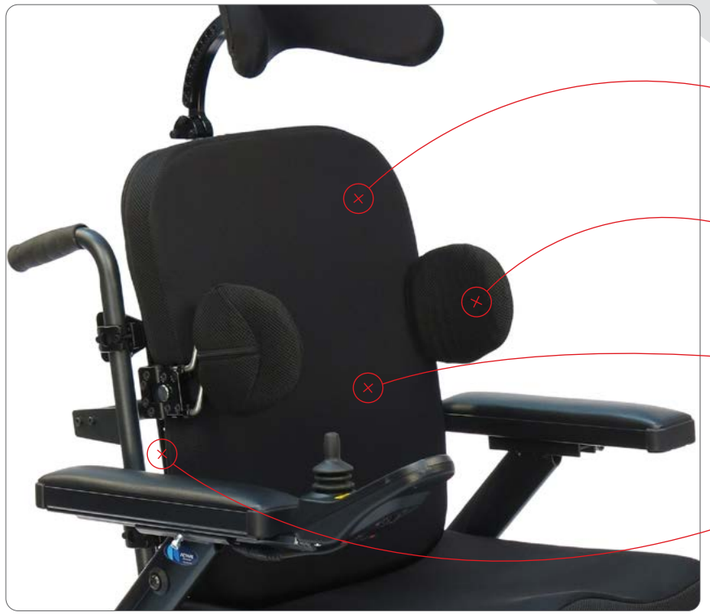
Fits between wheelchair canes



T SHAPE

Sits in front of wheelchair canes





Dual-layer cover reduces SHEAR FORCES with air-mesh side panels to counter moisture and temperature

Add laterals as required from our LARGE MODULAR RANGE

Strong VENTILATED SHELL increases air flow through the back support offering daily comfort

SLOTS & HOLE POSITIONS on shell allow easy installation of head supports, lateral supports and harnesses

CUSHION SIZE CHART

Wheelchair Height (inches) \ Wheelchair Width (inches)	10	11	12	13	14	15	16	17	18	19	20
12	■	■									
13											
14	■	■	■	■							
15											
16	■	■	■	■	■	■					
17											
18			■	■	■	■	■	■	■	■	■
19											
20					■	■	■	■	■	■	■
21											
22											
23							■	■	■	■	■

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

PRODUCT DETAILS

Width	Capacity	Product Weight
10"-15"	200lbs (90kg)	(16x16) **1.7kg**
16"-20"	300lbs (136kg)	

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 26.

PRODUCT PERFORMANCE

Postural Control	■	■	■	4	
Lateral Stability	■	■	■	■	5
Postural Asymmetries	■	■	■	■	5
Changing Needs	■	■	■	■	5
Pressure Care	■	■	■	■	5

- Note: This is a guide only and ratings are dependent on correct use of product

Contouring the Spex Back Support Surface

A special feature of the Spex back support is the adjustable contouring-cell cube system which is incorporated into the upholstery unit of the back support. Easy configurations are performed for asymmetrical trunk postures without the need for complicated custom/bespoke seating.

The cover un-zips from the top of the back support and remains fixed to the shell whilst you remove the inner upholstery unit. Changes to the contouring are made on-the-spot for instant results.

Further postural enhancements to the degree and depth of contouring are achieved with the positioning kit of support wedges (included with every Spex back support).

FOR MILD BONY PROMINENCES

Without even adjusting the cube system, the Spex back support has slight contouring and integrates a comfortable pressure reducing foam surface layer to absorb mild bony prominences and asymmetries for uniform torso contact.



Showing front pressure-reducing surface

FOR IMMERSION

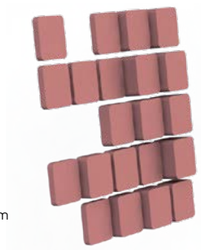
For individuals that require immersion into the back support, simply adjust the cube contouring cell system to configure for a perfect fit and shape for the client's back.



Showing contouring cells without the front foam surface

FOR ASYMMETRY

For asymmetrical or maladaptive postures, the contour can be arranged to provide the matching shape required to support the client's torso profile.



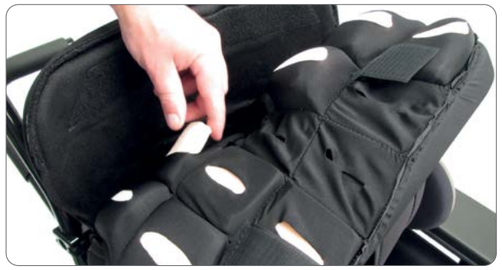
Blank areas show where contouring pads can be fully removed, yet the foam surface still offers padded support



Special cover design allows the contouring cube system to be removed through the top of the back support.



Instant changes can be implemented to configure the back support surface.



+ Add layers to build up areas where pronounced support is required.
- Remove layers where more immersion is required.



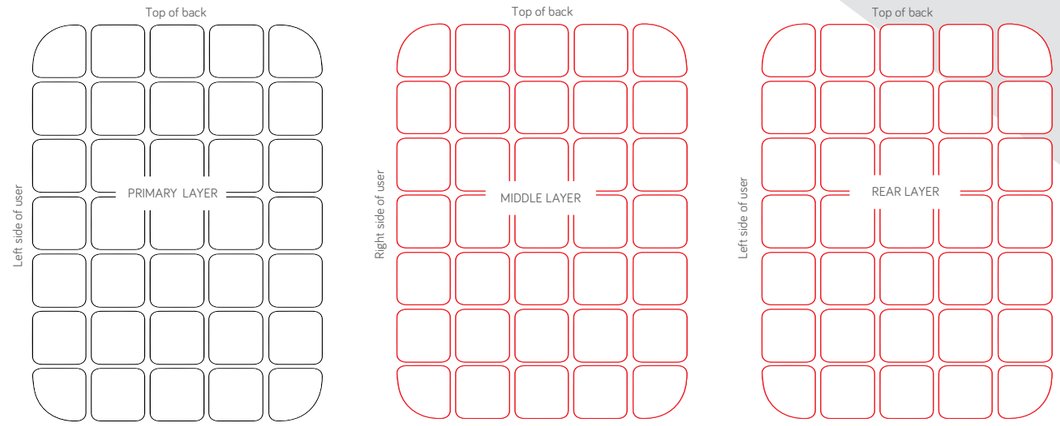
Customisations can be reconfigured at any time when postural needs change. Contouring doesn't move or slip out of adjustment.

Back Support Contouring Charts

Record the amount of contouring cubes used. Fill out this form and enter the number of cubes used in each pocket and save for future reference.

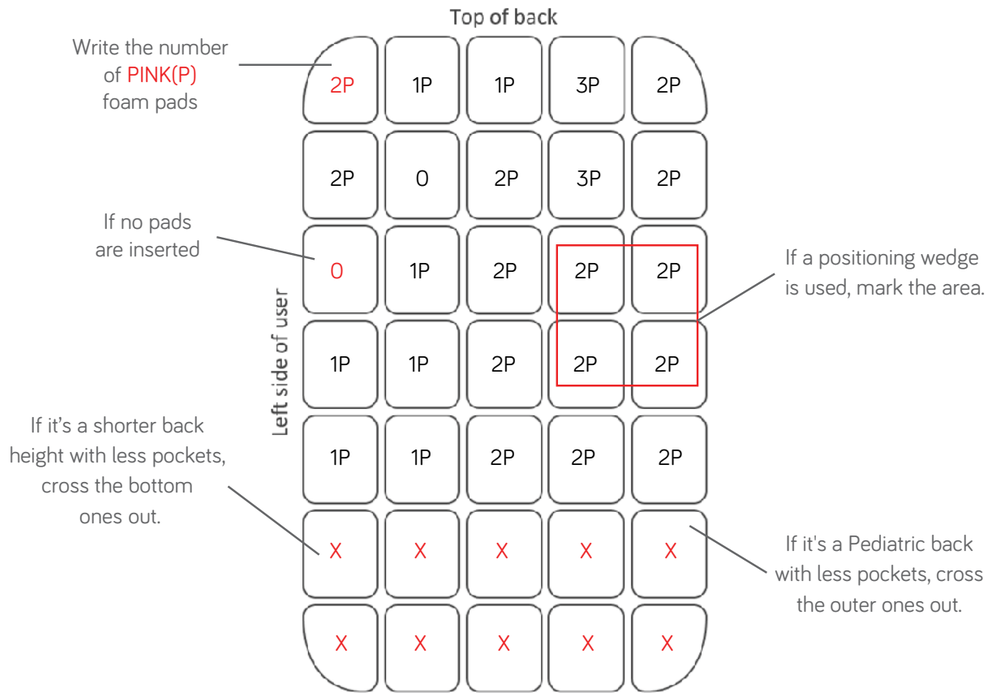
Use all charts below if recording contouring cubes used for the **Spex SuperShape Back Support.**

Use only the left hand chart if recording contouring cubes used for the **Spex Back Support.**



EXAMPLE

Example of how to use the back support contouring positioning chart:



SuperShape Back Support

SuperShape provides an extra supportive wheelchair back solution with Shape Technology for contouring to provide postural integrity, pressure relief and comfort. Successfully meets individual trunk shapes of users with complex postural needs. SuperShape is a seating system that can be fitted and changed anywhere and at any time.

CLINICAL

Designed for the individual who:

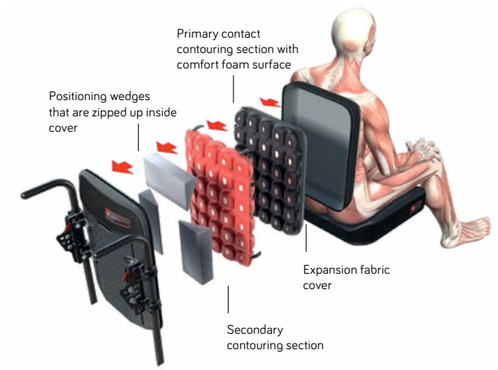
- Has complex postural needs.
- Has significant spinal or trunk asymmetries.
- Has protruding skeletal prominences.
- Risks skin breakdown and has pressure care requirements.
- Requires greater immersion into back support for stability and comfort.
- Requires torso pain reduction.

FUNCTIONAL BENEFITS

- Expansion fabric cover that allows all kind of contouring without compromising skin protection.
- Comfortable pressure-reducing foam surface layer to absorb bony prominences.
- Triple-layered cube contouring cell system provides configurations for a perfect fit and shape for the client.
- Customisation to contouring are performed on-the-spot, as many times as you want.
- Created as the solution-solver for asymmetrical back postures.
- Modular componentry means you can 'mix and match' with different lateral pad options and positioning supports.
- Deep contour solution which offers exceptional contact to contoured areas of the body.

ACCESSORIES

- Spare outer cover.
- Extra positioning wedges.
- Lateral supports, head supports - options from Spex range.



MODERATE NEEDS



Contouring of the cushioning is provided by creating areas of greater or lesser support with adjusting the multiple layered padded pocket cells

COMPLEX NEEDS



On-the-spot contouring allows the patient to adopt their preferred posture for maximum function and comfort.

CUSTOM NEEDS



SuperShape's simple method accomplishes superior seating results by accurately contouring to the complex shapes seen in highly involved clients.

The padded moulding structure is comprised of a three-layered Spex cube contouring substrate.

Contouring of the cushioning is essential to apply intimate surface contact to areas of the body which are contoured.

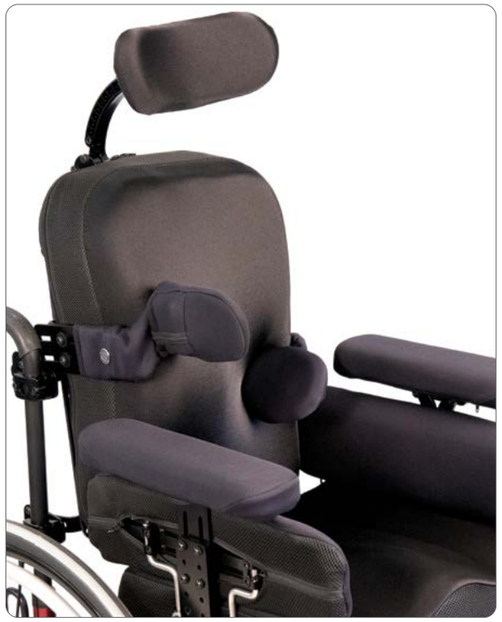


Looks are deceiving.
It looks simple, however the SuperShape has patented, concealed technology!

Best result is achieved by creating areas of greater or lesser support with the adjustment of the multiple layered padded pocket cells.

The front padded surface has a super-soft viscoelastic foam for enhanced trunk immersion and comfort.

SuperShape Back Support





HOW SUPERSHAPE WORKS:

- SuperShape back support can be fitted to virtually any wheelchair chassis.
- Contouring system comprises of three layers of pockets whereby padding can be increased or decreased to provide different shapes to suit any individual.
- Contouring can effectively make an intimate interface contact for even pressure distribution and comfort.
- Easily adapted to accommodate complex postural needs such as kyphosis, scoliosis and hyperlordosis.
- Angle, depth and height adjustable.
- Breathable and washable cover.
- Choose from a large range of lateral supports and head supports.
- Expansion fabric cover that allows all kinds of contouring without compromising skin protection.

SOLVE COMPLEX CASES:

- SuperShape can adapt to changing needs and provide enough stability for complex and asymmetric postures.
- With the large range of Spex support options available, it is possible to start building a seating system using out-of-shelf products and then size and adjust them to achieve a one-of-a-kind fit for complex postural needs' users.
- Easy set-up and optimum interfacing with a range of wheelchair chassis.
- Wide range of adjustment for growth and changing needs.
- Wide range of lateral supports (sizes, models and adjustments).
- Robust and durable.
- Comfortable and pressure relief.

CREATE DIGNITY WITH BEAUTY

- SuperShape seating solutions can usually be accommodated on chassis up to 2" narrower than conventional moulded seating requires.
- See the person, not the seating.
- Greater airflow and thermal comfort.
- Outer covers spring out to conceal underlying complex contours.
- Naturally occurring anti-shear properties.



Easily access the contouring system to make changes for complex asymmetric users.



Contouring pockets provide easy adjustment, and positioning will not slip or move once completed.



Triple-layered cube contouring cell system provides configurations for a perfect fit and shape for the client.



2 densities of contouring pads included in every kit to ensure correct personal fitting.

CUSHION SIZE CHART

Wheelchair Height (inches) \ Wheelchair Width (inches)	10	11	12	13	14	15	16	17	18	19	20
12	■	■	■	■							
13											
14	■	■	■	■	■	■					
15											
16	■	■	■	■	■	■	■	■	■	■	■
17											
18			■	■	■	■	■	■	■	■	■
19											
20					■	■	■	■	■	■	■
21											
22											
23							■	■	■	■	■

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.

PRODUCT DETAILS

Width	Capacity	Product Weight
10"-15"	200lbs (90kg)	(16x16) **2.2kg**
16"-20"	300lbs (136kg)	

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 26.

PRODUCT PERFORMANCE

Postural Control	■	■	■	■	5
Lateral Stability	■	■	■	■	5
Postural Asymmetries	■	■	■	■	5
Changing Needs	■	■	■	■	5
Pressure Care	■	■	■	■	5

- Note: This is a guide only and ratings are dependent on correct use of product

spex
Shaping Better Lives

HEAD SUPPORT

Extended Lateral in Calypso Pink on Stylo 260 Flipback



HARNESS GUIDES



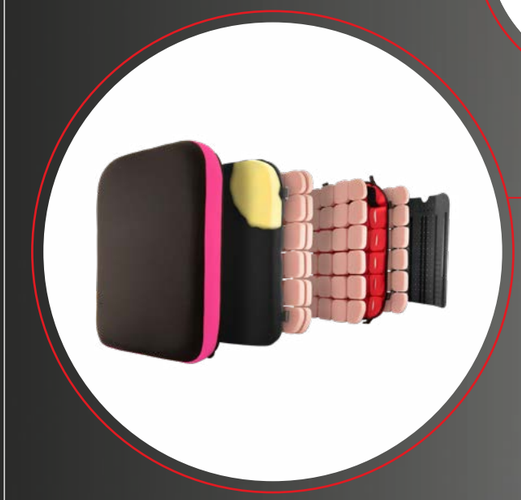
LATERALS

Narrow curved pads with Comfy-cover on Swing-Away Axial hardware



BACK SUPPORT

SuperShape in Calypso Pink with Quad mount hardware



HIP BELT

4 point Centre-pull, Centre-release with Gel-Foam padding



HARNESS

Centrepoint



CUSHION

Classic SuperHigh Contour in Calypso Pink (no medial thigh contouring)



SEAT BASE

Quick-Release



MEDIAL KNEE SUPPORT

Axial



PADDING

Hanger Padding



XLella Bariatric Back Support Range



XLella Back Support Range

The XLella back supports provides an off-the-shelf solution, with integrated adjustability and Spex Adaptability for potential changing needs. These are available in three different styles to meet the individual requirements and body shapes of the user, XLella Vigour, XLella Classic, and XLella². All models are transport certified and have a weight capacity of up to 300kg.



XLella Classic



XLella Vigour



XLella²



PURPOSE-BUILT FOR BARIATRIC USERS

Heavy-duty and tough to meet the daily lifestyle demands of bariatric wheelchair users.



EASILY PROVIDE ADDITIONAL POSITIONING

XLella Back Supports are compatible with the standard Spex range of postural accessories including lateral trunk supports, anterior chest supports, and head supports.



DUAL-LAYER OUTER COVER TECHNOLOGY

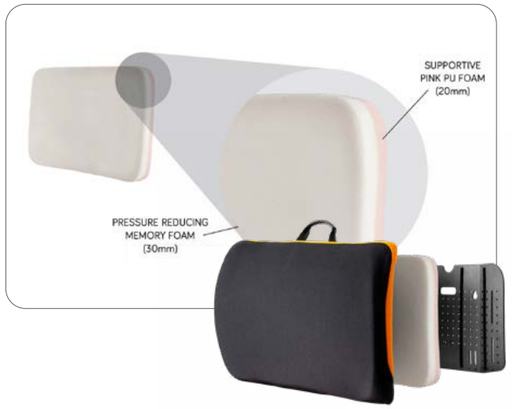
Dual-layer technology in the back support outer cover reduces shear forces, combating the likelihood of chafing and pressure sores. With air-mesh side panels and moisture-wicking front surface fabric; build-up of heat and moisture is limited.



COMPATIBILITY WITH SPEX POSTURAL SUPPORTS

Increased positioning can be achieved through the use of wedge accessories and tessellated shapes for Spex Adaptable contouring.

XLella Bariatric Back Support Range



XLELLA VIGOUR BACK SUPPORT

Planar rigid bariatric back support for minimal postural requirements.

The XLella Vigour Back Support is designed to support users with larger pressure distribution who require planar padding to provide support for minimal postural requirements.

XLella Vigour weighs approximately 3.25kg (22" back, excluding hardware), and has a weight capacity of 300kg.

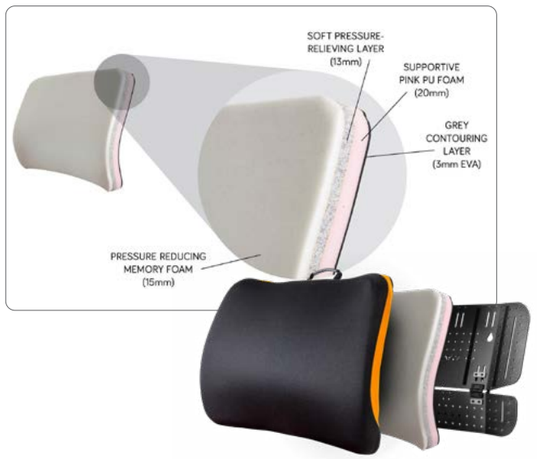


XLELLA CLASSIC BACK SUPPORT

Rigid back support with contouring capabilities to shape and configure.

The XLella Classic Back Support is designed to support users with larger pressure distribution who require a back support with the possibility to create shapes and contours for postural support and/or changing needs. The Spex unique contouring cube system can be shaped and configured as many times as needed.

XLella Classic weighs approximately 3.25kg (22" back, excluding hardware), and has a weight capacity of 300kg.



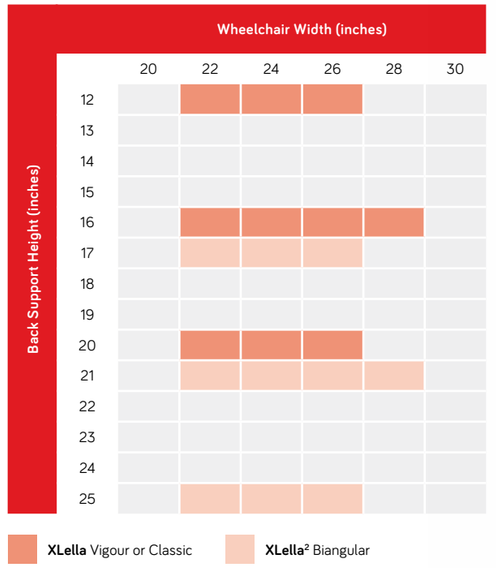
XLELLA² BACK SUPPORT

The XLella² provides a higher degree of trunk support by offloading the posterior side of the pelvis to accommodate a gluteal shelf. Its lower section has a total of 85° of adjustment, with 55° posterior and 30° anterior. This maximises pressure distribution and relief, to assure adequate postural support, and ultimately provide comfort.

This model of Back Support provides effective positioning through the adaptive Profile Curvature System that contours to the shape of the individual. Match trunk profile with Spex 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.

XLella² weighs approximately 3.25kg (22" back, excluding hardware), and has a weight capacity of 300kg.

SIZE CHART



XLella Vigour or Classic

XLella² Biangular



Two options of mounting hardware tested and rated for heavier users (300kg weight limit).

FIXED MOUNT BARIATRIC HARDWARE

Default hardware choice for simplicity, with lower hardware weight. Fixes the back to the wheelchair for sturdy installation. Can easily be set in flipped orientation to allow greater seat depth adjustment.



QUICK-RELEASE BARIATRIC HARDWARE

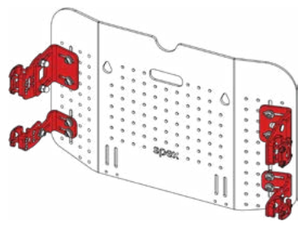
Allows easy removal of back support for use with folding wheelchairs or in situations the back is required to be removed.



Hardware	XLella Fixed Mount	XLella Quick Release
Weight	1.1kg	1.4kg
Points Of Fixation	4	
Fits Cane Sizes	19-26mm	
Back Angle Adjustment	+/-10°	
Seat Depth Adjustment	0-30mm Flipped Orientation: 70-100mm	
Overall Width Adjustment	50mm	
Weight Capacity	300kg	
Code	1259-2500-100	1259-2505-100

Compatible Wheelchair Width - XLella			
		XLella Fixed Mount	XLella Quick Release
Back Support Width	**22"**	21, 22, 23"	22, 23, 24"
	24"	23, 24, 25"	24, 25, 26"
	26"	25, 26, 27"	26, 27, 28"
	28"	27, 28, 29"	28, 29, 30"

Hardware in flipped orientation for greater seat depth.



Tessellated Positioning Kit

TSS Lite

TSS Lite Kit:

Selection of key components from the TSS kit to enable fast contouring solution. Suitable for use on all Spex Back Supports, particularly for Zygo, Adapta and those with non-rectangular/flat surfaces.

1250-3955-000



TSS Elements

Comprehensive selection and quantity of TSS kit elements for a substantial contouring solution. Suitable for use on Spex Back Supports with a rectangular back surface, e.g. Manta, Vigour, Classic.

1250-3959-000



Tessellated Shape System

This system can be added to any back support from the Spex range for additional contouring behind the existing upholstery padding.Includes Velcro Backing Board.

1250-WWHH-000

Full TSS Kit:



spex

Spex Wheelchair Padding

TRAY PADDING



- Padded surface which can be added to any of the Spex trays for users who prefer a padded top surface.
- Protect the elbows and arms from hard tray surface.
- Provides a textured surface to prevent objects from sliding around the tray.
- Simple Velcro- attachment to tray surface.

Size	Neoprene Padding	CCF Foam Padding
Thickness	**8 mm**	**10 mm**
Small Tray	1311-7431-291	1311-7431-360
Medium Tray	1311-7432-291	1311-7432-360
Large Tray	1311-7433-291	1311-7433-360
Elbow Padding	1311-7301-400	1311-7302-400



SOFT PADDED TRAY



Trays must be removed when wheelchair users are transported in a vehicle, however many users still require forearm support to enable a safe posture especially when tilt wheelchairs have to be more upright during travel. This unique travel tray option is a good alternative.

- Solid 40mm foam tray core.
- Supportive surface assists with forearm propping to maintain a safe posture.
- Quick and easy to secure to the wheelchair with straps and buckles.
- Black Spextex wipe-down fabric surface.

Size	Small	Medium	Large
CODE	1311-7441-209	1311-7442-209	1311-7443-209

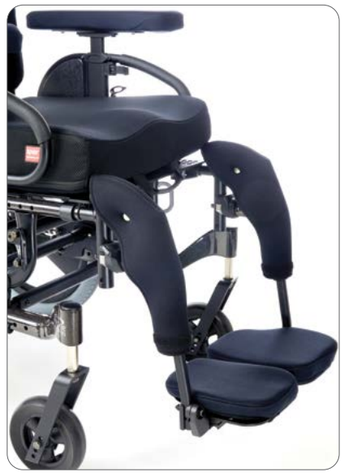


IMPACT GUARDS



- Reduce risk of pressure in contact points.
- Assists with padding the leg hangers for those who have spasms while in the chair.

Hanger Type	70° hangers	80 and 90° hangers
Code (Pair)	1415-5360-300	1415-5361-300



FOOTPLATE PADDING

- Enhanced comfort in the foot area to protect from the hard footplate surface.

Footplate Size	Code
10”-11”	1415-5310-300
12”-13”	1415-5312-300
14”-15”	1415-5314-300
16”-17”	1415-5316-300
18”-22”	1415-5318-300



Lateral Trunk Supports

Spex lateral trunk supports offer adjustability, comfort and positioning. Our anatomical pad design with new full curved Natural-Lateral surface has been tested for optimum fitting to body shape. The supporting surface of each lateral pad includes a layer of pressure relieving foam for additional protection and comfort.

CLINICAL

- Modular lateral supports provide optimum trunk control whilst improving balance, posture and comfort.
- Offset correction can be applied to an asymmetric trunk to bring better trunk alignment for enhanced function.

FUNCTIONAL BENEFITS

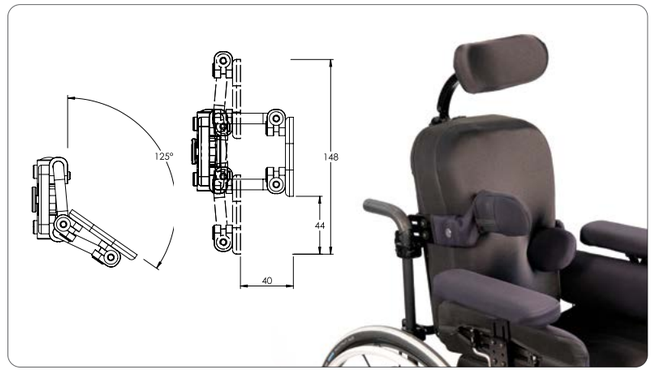
- Super comfortable pressure-reduction padding for moulding to user shape.
- Removable and washable covers.
- Brackets are adjustable in all planes: height, width, depth and lateral angle for ultimate trunk orientation.
- Spex brings you modular creativity! Mix and match with different pad combinations.
- Provide trunk control and stability with the ability to install a lateral in multiple positions on the back support.
- Approx. lateral hardware weight is from 0.15 to 0.45kg, and approx. lateral pad weight is from 0.05 to 0.3kg

OPTIONS

- Select from Fixed, Standard Swing-Away, Axial Swing-Away and Quick-Release Hardware
- Bracket upgrades available:
  - Cane Mount
  - DeepContour back support bracket
  - Extension for DeepContour (commonly used with SuperShape back support)

AXIAL TECHNOLOGY

Unique swing-away hardware that allows the lateral pad to rotate to correctly support/align to the user's trunk needs.



HARDWARE OPTIONS



FIXED
Width and depth adjustable.



STANDARD SWING-AWAY
Width and depth adjustable with vertical pivot adjustment. Offset bracket options available.



AXIAL SWING-AWAY
Width, depth, and multiple angle adjustable by it's rotational system.

Axial technology provides the correct support structure with patented mechanically rotational system. Paediatric sizes available.



CANE MOUNT
Mounts directly to wheelchair canes.



QUICK-RELEASE
Simple lever mechanism where laterals can be temporarily removed from the wheelchair by either user or carer.

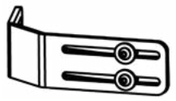


Anatomical full-curve NATURAL-LATERAL technology for optimum fitting to body shape

Comfort to new levels with PRESSURE-REDUCING layer

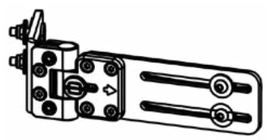
Huge pad range to provide the exact SNUG FITTING comfort that's required (refer to the following page)

FIXED LATERAL HARDWARE



Options (Add pad, shown on Pg 49)	Depth Adjustment	Code
Fixed Bracket	55 mm	1266-2101-100
Paediatric Fixed Bracket	40 mm	1266-2111-100

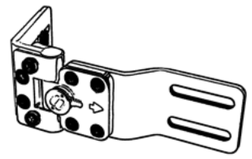
SWING-AWAY LATERAL HARDWARE



Options (Add pad, shown on Pg 49)	Overall length	Plate Length	Code
Swing-Away, straight bracket	175 mm	120 mm	1266-2201-100
Swing-Away, straight extended bracket	205 mm	150 mm	1266-2202-100

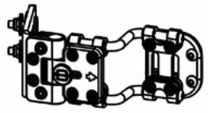
OFFSET SWING AWAY

When lateral support is required to sit closer towards the user's trunk to provide support



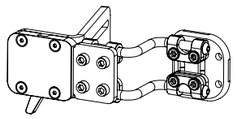
Options (Add pad, shown on Pg 49)	Offset	Code
Swing-Away, offset bracket	20 mm	1266-2203-100
Swing-Away, offset extended bracket	40 mm	1266-2204-100

AXIAL LATERAL HARDWARE



Options (Add pad, shown on Pg 49)	Code
Axial Hardware	1266-2301-100
Paediatric Axial	1266-2623-100-L/R
Paediatric Axial Forward Mount	1266-2623-200-L/R
Paediatric Axial Cane Mount	1266-2623-300-L/R

AXIAL QUICK-RELEASE



Options (Add pad, shown on Pg 49)	Code
Back Mount Fixed Angle	1266-2601-100-L/R
Cane Mount Fixed Angle	1266-2601-100-L/R
Back Mount, Swing-Away, Angle Adjustment	1266-2601-100-L/R
Cane Mount, Swing-Away, Angle Adjustment	1266-2601-100-L/R

Lateral Support Pads

Anatomical pad design with new full curved Natural-Lateral surface has been tested for optimum fitting to body shape. Huge lateral support pad range to provide the exact fit required.



STANDARD COVER

- Pictured above. Removable and washable cover option.

COMFI-COVER

Exclusive Comfi-Covers are available for all laterals (pictured right):

- Extended padding over mechanism to protect arms from the metal hardware.
- Clever release strap for operating the swing away movement .
- Easy release for users who have limited hand function and need independent use to open the laterals for transfers.

Pad Style	Size	Pad Height	Pad Depth	Pad & Std Cover	Pad & Comfi-Cover
Narrow Straight	0	85 mm	115 mm	1266-3010-400	1266-3010-800
"	1	95 mm	145 mm	1266-3011-400	1266-3011-800
"	2	95 mm	180 mm	1266-3012-400	1266-3012-800
"	3	115 mm	210 mm	1266-3013-400	1266-3013-800
"	4	115 mm	240 mm	1266-3014-400	1266-3014-800
Narrow Curved	1	95 mm	145 mm	1266-3021-400	1266-3021-800
"	2	95 mm	180 mm	1266-3022-400	1266-3022-800
"	3	115 mm	210 mm	1266-3023-400	1266-3023-800
"	4	115 mm	240 mm	1266-3024-400	1266-3024-800
Broad	1	105 mm	130 mm	1266-3031-400	1266-3031-800
"	2	125 mm	140 mm	1266-3032-400	1266-3032-800
"	3	140 mm	150 mm	1266-3033-400	1266-3033-800
"	4	160 mm	155 mm	1266-3034-400	1266-3034-800
"	5	195 mm	165 mm	1266-3035-400	1266-3035-800
"	6	230 mm	175 mm	1266-3036-400	1266-3036-800

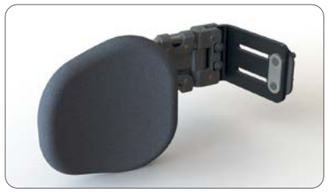
LATERAL PAD OPTIONS



NARROW STRAIGHT
Freedom to move forwards and backwards for functional activities and transfers.



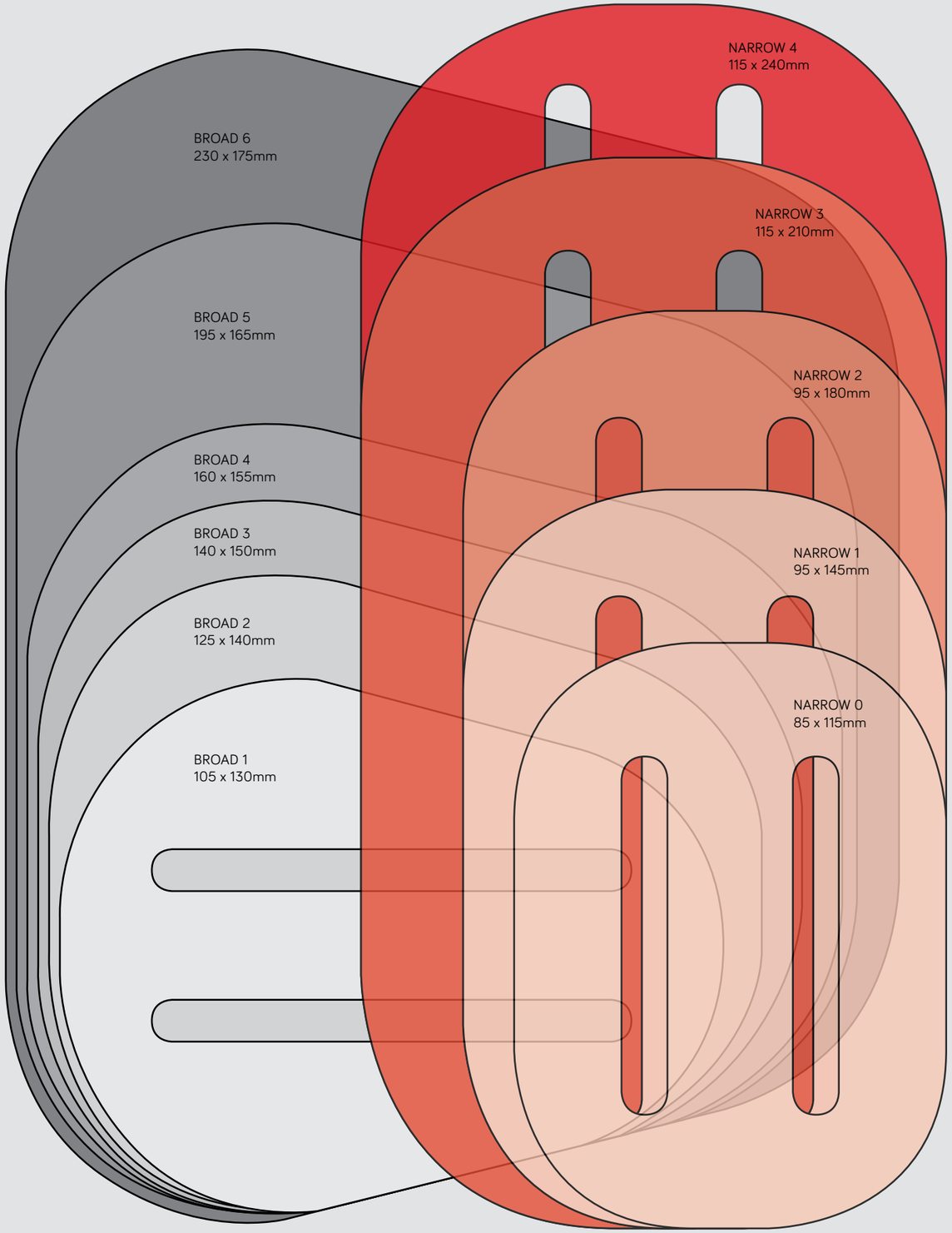
NARROW CURVED
Anterior support for increased comfort and spinal extension.



BROAD
Provides long trunk support and effective pressure reduction.

COMFI-COVER OPTION





Spex provides the tools to make decisions for faster results, including this lateral pad size guide to scale.

When deciding which lateral support pad style and size will suit your clients, place this page against their torso to make an informed decision on the spot!

Axial Biangular Lateral Support



The Axial Biangular lateral trunk support has designed to provide superior trunk positioning and improved pressure distribution for individuals who present with scoliosis and/or other complex trunk asymmetries observed on the frontal plane. Its system comprises a pivot-hinge within the lateral pads which allows for intricate positioning for both concave and convex deviations as it adjusts to different body presentations. Together with the Axial technology and superior foam padding finish, the Biangular lateral support ensures optimum fitting to address asymmetric body shapes, and provides excellent pressure distribution through a wider surface area to optimize comfort.

CLINICAL

Designed for the individual who:

- Presents with scoliosis and/or other trunk asymmetries featuring increased lateral flexion of the trunk.
- Requires superior surface contact area and increased pressure distribution to accommodate lateral trunk deviations – for both concave and convex asymmetries.
- Requires gradual correction of trunk asymmetries towards midline.

FUNCTIONAL

- The lateral trunk support allows for angle adjustment within the pad due to its patented pivot-link system – essential to graduate positioning and comfort.
- The Axial technology associated to this superior lateral trunk support permits positioning of the pad virtually anywhere.
- Superior foam padding finish contains an extra layer of soft pressure-relieving foam which allows for greater surface contact area, superior pressure relief and overall comfort. Two padding styles are available, 12mm Pressure Reduction and 24mm Pressure Reduction; the 24mm Pressure Reduction padding contains an additional layer of foam.
- Swing-away mechanism allows for ease of transfers.
- Supplied with removable and washable covers. Comfi-cover option has pull strap for ease of releasing lateral mechanism.

PADDING OPTIONS



12MM PRESSURE REDUCTION
(OVERALL THICKNESS 30MM)



24MM PRESSURE REDUCTION
(OVERALL THICKNESS 45MM)

COVER OPTION

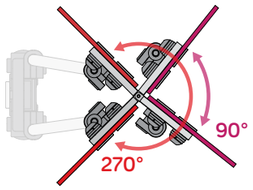


STANDARD



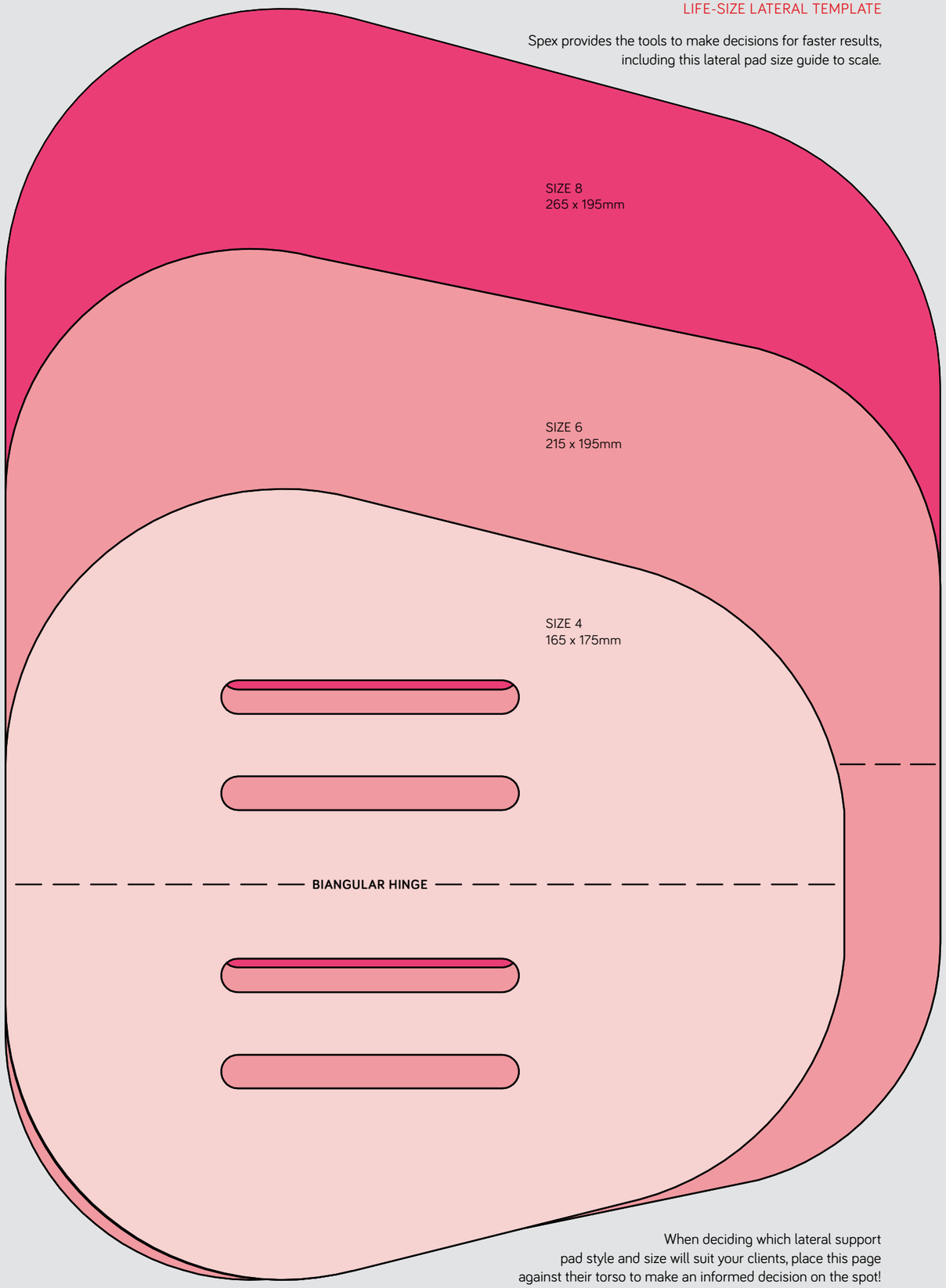
COMFY

Pad Size	Pad Style	Cover Style		Pad Height (mm)	Pad Depth (mm)	Angle Range
		Standard	Comfy			
4	12mm Pressure Reduction	1266-3044-400	1266-3044-800	165	175	±90° from flat
	24mm Pressure Reduction	1266-3044-410	1266-3044-810			
6	12mm Pressure Reduction	1266-3046-400	1266-3046-800	215	195	
	24mm Pressure Reduction	1266-3046-410	1266-3046-810			
8	12mm Pressure Reduction	1266-3048-400	1266-3048-800	265	195	
	24mm Pressure Reduction	1266-3048-410	1266-3048-810			



AXIAL BIANGULAR BRACKET
1266-2501-100

Spex provides the tools to make decisions for faster results, including this lateral pad size guide to scale.

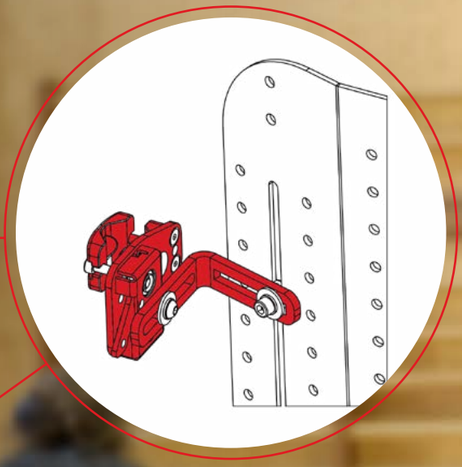


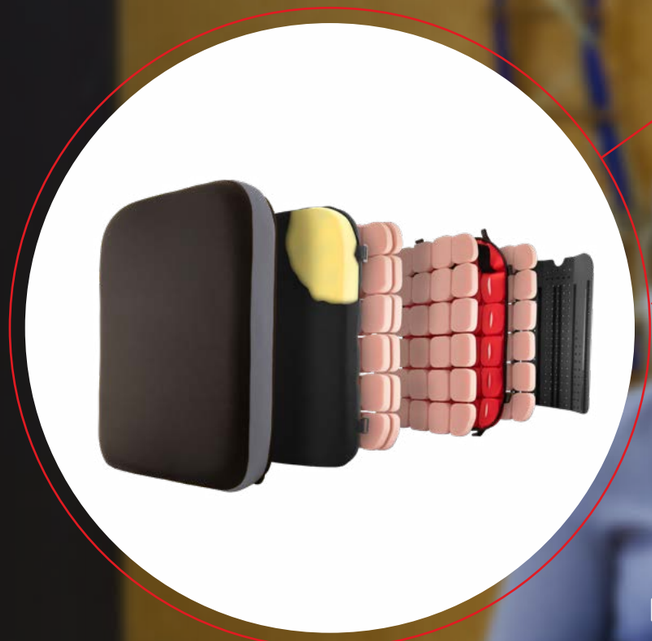
When deciding which lateral support pad style and size will suit your clients, place this page against their torso to make an informed decision on the spot!

spex
Shaping Better Lives

BACK HARDWARE

Quad Mount





BACK SUPPORT

SuperShape in
Granite Grey



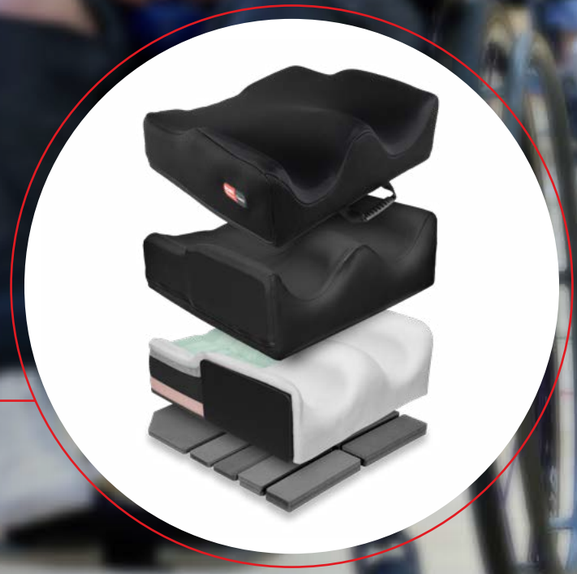
LATERALS

Quick-Release Axial
Back Mount (RHS)



LATERALS

Narrow 2 Pad
on Swing-Away
Hardware (LHS)



CUSHION

Classic SuperHigh Contour

Seat Base

Solid aluminium seat base for effective placement of cushion and auxiliary postural supports with fixed or quick release hardware options.



QUICK-RELEASE

- Best of both worlds: retain flexibility of your folding wheelchair but have the benefit of a fast removal base so you do not have to remove any components for folding.
- Fast two switch installation and removal: the newly designed Quick-Release hardware features two switches you flick up to remove and self engage when installing.
- Suitable for those with limited hand function as switches can be bumped to release.





FIXED MOUNT

- Fixed Mount hardware is 100 grams lighter than Quick-Release, making it a suitable option where weight is an issue.
- Excellent for rigid wheelchairs where the base does not need to be removed.





FOUNDATION FOR POSITIONING REQUIREMENTS

Keeping it neat and tidy with a re-engineered single-piece design making a sturdy base of support to build your postural foundation.

- Ease of mounting
- Easy placement
- Fits to range of models
- Hip belt installation

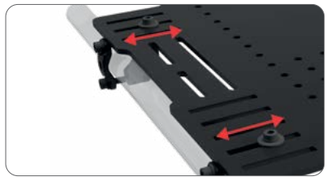
FUNCTIONAL BENEFITS



USER AND CAREGIVER FRIENDLY DESIGN
Flexibility of folding and fast removal



INNOVATIVE HARDWARE WITH VERSATILE DESIGN
Fixed Mount Hardware or Quick-Release



WIDTH ADJUSTMENT FOR GROWTH
Easily fitted to different sized wheelchairs

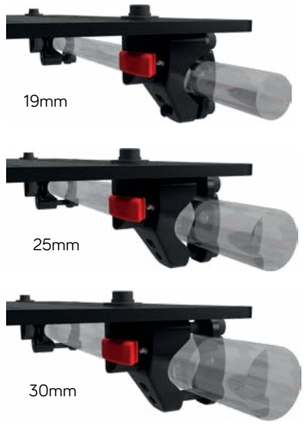


CLINICALLY CORRECT POSITIONING AND STABILITY
Provides stability and a solid foundation



VERSATILE & MULTI FUNCTIONAL HARDWARE

Allows installation to a range of wheelchair frames incorporating tubular canes from 19-30mm in diameter.



SEAT BASE SIZE CHART

Seat Base Width (inches)
Replace WW when ordering

Seat Base Length Height (inches)
Replace LL when ordering

	10	11	12	13	14	15	16	17	18	19	20	22
12	■		■									
13												
14	■		■		■							
15												
16			■		■		■					
17						■		■				
18			■		■		■		■			
19												
20						■	■	■	■		■	
21												
22							■	■	■		■	■

PRODUCT DETAILS

	Wheelchair Compatibility		Code
	10" - 20"	21" & Up	
FIXED MOUNT	-0" to + 2"	-0" to + 1"	1008-WWLL-FXB
QUICK-RELEASE	-1" to + 2"	-1" to + 1"	1008-WWLL-QRB

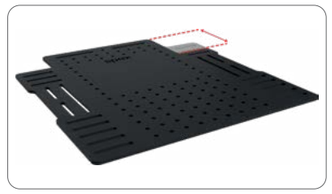
SEAT BASE SIZE	10-15"	16-20"
MAXIMUM USER WEIGHT	90kg (200lb)	180kg (400lb)

HARDWARE STYLE	QUICK-RELEASE	FIXED MOUNT
SEAT BASE WEIGHT (16X18" / 40X45CM)	2.4kg	2.3kg

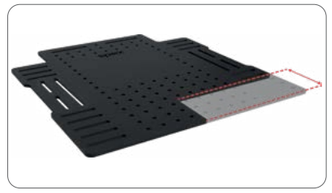
SEAT BASE ACCESSORIES & CUSTOMISATIONS



ADDITIONAL RETAINER BRACKETS
Seat base comes as standard with one pair. Install an additional pair for ease of hip belt placement in precise Seat Base locations.
1008-0250-100



CUSTOM CANE DEPTH CUT-OUTS
Standard cane cut-outs are 3" by 3". Additional depth cut-out of 2" is available in 1" increments, to accommodate non-standard cane sizes.
1008-0291-000



LEG LENGTH DISCREPANCY CUT-OUT
Available in 1-inch increments.
1008-0292-000

Universal Positioning Bases

Traditionally, it has been difficult to meet clinical requirements for wheelchair users with pelvic and postural requirements when seated on pressure care cushions. The Universal Positioning Base solves these challenges by insertion under the air or gel cushion to configure the base system as per the user's clinical assessment to achieve a functional outcome whilst not compromising with pressure care properties.

ENHANCED POSITIONING OUTCOMES UNDERNEATH AIR AND GEL CUSHIONS

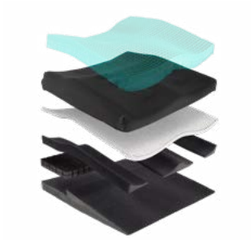
Adaptable for CHANGING NEEDS

MODULAR WITH VELCRO INTERFACING to place positioning components where required



Can be INSERTED INTO the existing cushion cover where suitable depending on caregiver requirement.

ATTACHES to the wheelchair seat pan and remains attached to the wheelchair at all times.



POSITIONING FOR GEL CUSHIONS



POSITIONING FOR AIR CUSHIONS

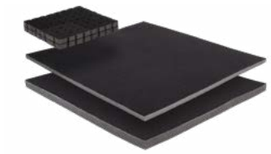
Base Length (inches)	Base Width (inches)						
	14	15	16	17	18	19	20
14	■		■		■		
15							
16			■		■		■
17							
18					■		■
19							
20					■		■



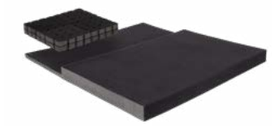
CAN BE CUT AND TRIMMED

- To order Base Options and Accessories replace *WW* in the code with Width and *LL* with Length

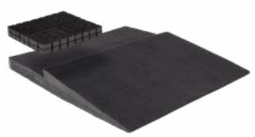
BASE OPTIONS



CUSHION SPACER KIT
Raises cushion for extra long leg lengths, or use as a base for attaching contouring support wedges.
1113-01-WWLL



ISCHIAL CONTOUR CUSHION SPACER KIT
Helps to prevent posterior pelvic sliding.
1113-02-WWLL



HIP FLEXION CONTOUR SPACER KIT
Helps to prevent posterior pelvic sliding.
Allows for 10° Hip Flexion relief.
1113-03-WWLL

ACCESSORIES



CONTOUR KIT
Provides additional support for pelvis and thighs. Includes 2 lateral thigh contour wedges and a medial thigh contour wedge.
1113-05-00LL



PRESSURE REDUCING COVER
Includes neoprene outer cover and pressure-reducing top layer. Provides back-up pressure relief if air cushions deflate.
1113-07-WWLL

Transport Certified

WC20

The Spex Seating System complies with RESNA WC-4:2012, Section 20. Spex is designed only for use with wheelchair frames that have been successfully crash tested to the frontal-impact requirements of RESNA WC-4:2012, Section 19.

Spex Seating Systems must be used on a wheelchair frame that provides four securement points and pelvic-belt anchor points that conform to the requirements of RESNA WC-4:2012, Section 19.

Spex components that are WC20 certified for use during motor vehicle transportation include: Back Support, Seat Base, Cushion, Thigh & Arm Supports, Trunk Supports and Head Support. The seating system is designed to be occupied when the wheelchair is facing forward in motor vehicles.

The seating system has been designed to accommodate the proper use of vehicle-anchored belt restraints and the ratings of the seating systems with regard to a) ease of properly positioning vehicle-anchored belt restraints on the wheelchair passenger, and b) the degree to which proper positioning of belt restraints can be achieved.

ISO 16840-4

Spex Seating is intended only for use with wheelchair bases tested as part of a complete wheelchair system that conforms to the performance requirements of ISO 7176-19.

Spex Seating Systems must be used on a wheelchair base that provides securement points that conform to the design requirements of ISO 7176-19.

Spex components that are ISO 16840-4 certified for use during motor vehicle transportation include: Back Support, Seat Base, Cushion, Thigh & Arm Supports, Trunk Supports and Head Support. The seating system is designed to be forward facing when used with a wheelchair base in a motor vehicle.

A wheelchair tie down and occupant restraint system (WTORS) that conforms to the requirements of ISO 10542-1 must be used during wheelchair transportation with this seating system.

When tested in accordance with Annex D of ISO 16840-4 with regard to accommodating vehicle-anchored occupant restraints, Spex Seating achieved an overall score of 16 out of 16, and a rating of A (Good).



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

Stylo Head Support Technology

Sleek design for the ultimate in head support style





THE LATEST HEAD SUPPORT TECHNOLOGY FROM SPEX

The Stylo Head Support has been designed to provide superior head and neck control for individuals with basic and moderate needs, through to complex postural asymmetries.

This next generation head support technology from Spex Seating provides superior adjustability and strength, with its extended links and ball and socket joints ensuring extra strength to endure greater impact forces. In-built adjustment possibilities allows for better positioning of the head and neck in virtually any position.

CLINICAL

The Stylo 130 is the perfect solution for:

- Users with mostly midline neck and head positioning
- Some children
- Those who only require head support for transportation
- Clients who have basic sitting needs but require recline or tilt-in-space throughout the day and need a head support to facilitate this position

Stylo 160 and Stylo 260 are designed for the individual who:

- Presents with increased thoracic or lumbar curvature of the spine and therefore requires the head support to be placed afar from the back support
- Presents with rotation or lateral flexion of the trunk and may require the head support to be positioned in a specific spot, offset from the back support.

Ultimate and unparalleled adjustability to meet the most complex head positioning needs!

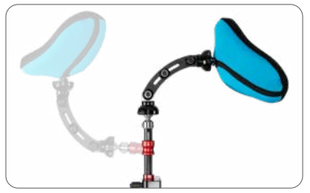
The extended adjustable links, together with ball and socket joints allow for precise head positioning as they permit the head/neck pad to be positioned virtually anywhere within its length. Increased forward reach with 130mm (Stylo 130), 160mm (Stylo 160) or 260mm (Stylo 260) available. With a simplistic yet effective design, the Stylo 130 allows 20° of adjustment in most directions, and an improved ball mount design on the Stylo 160 and Stylo 260, allows for 90° of adjustment in most directions.

STYLO SLIM MOUNT

Where space is limited, this mount ensures the Stylo hardware is still supported, without getting in the way of other equipment that may interfere, like power wheelchairs (See pages 21-22 for powerchairs).
Code: *1274-4140-200*



SUPPORT PAD OPTIONS



FLIP-BACK OPTION
Available on both the Stylo 160 and 260, the flip-back mechanism option is an excellent choice for individuals who require assistance with transfers in and out of the wheelchair. Simply slide the red collar up to disengage the stem and swing backwards.



ONE TOOL FOR ALL ADJUSTMENTS
For ease of Stylo adjustment and fine-tuning to the correct position, only one tool is required – a 5mm Hex/Allen Key.



STURDY POSITIONING
Machined aluminium stem design incorporates two flat edges, ensuring no stem rotation for a fixed position that won't slip. Extra strong design clamps up tightly to prevent lateral movement.



SUPER QUICK INSTALLATION
Head support stem installs simply and easily into the mount, and easily removes when required.

Spex Head Support Fitting Guide

This guide is intended to give a general overview for selecting and fitting a Spex head support.

It's important to correctly position the pelvis and trunk before positioning the head.

Step 1

Choose your pad style

Assess your client's positioning needs and choose the appropriate head support style. Consider the contour to encourage the client's head in midline.



Step 2

Choose your pad size



Measure the client's head and choose the appropriate head support for client's needs (considering positioning, transportation, functionality and comfort).



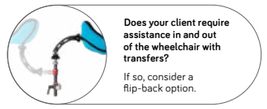
Small		Large		Small		Large		Small		Large	
Circle 150		Circle 250		Contour 250		Contour 350		Paediatric Extended Lateral		Extended Lateral	
Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth
145mm	50mm	180mm	60mm	225mm	105mm	280mm	130mm	135mm	120mm	160mm	140mm

Comfort 250		Comfort 350		Paediatric Standard Lateral		Standard Lateral		Adjustable Lateral 150		Adjustable Lateral 250	
Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth	Inner Width	Inner Depth
235mm	65mm	310mm	80mm	135mm	80mm	160mm	100mm	145mm	205mm	180mm	215mm

Complete head support pad specifications can be found at the link below.

Step 3

Choose your head support mechanism



Does your client require assistance in and out of the wheelchair with transfers?

If so, consider a flip-back option.



Step 4

Fit the head support to the client

Position the in-built occipital shaping beneath the occipital protuberance. This support encourages the head to return to a neutral position.



Stylo 130

The simplistic choice for basic head support needs.

Stylo 130 is the most compact and simple option from the Stylo family, whilst still providing sufficient adjustment to meet basic head support requirements.

Simplicity and ease of adjustment are achieved with an easy setup design. The patent pending spherical hinge joints allow the head pad to be positioned forwards, backwards, rotated, and angled with only two bolts, providing the optimal support where it's required.

Featuring the quick-release Stylo mount, the mechanism can be quickly removed or installed. The finished product… a simplistic yet effective design that allows a range of adjustment of the pad position, creating a solution that is lightweight and Spex Adaptable for the user.

CODE	1274-1232-000
HORIZONTAL FORWARD ADJUSTMENT	130mm
VERTICAL ADJUSTMENT IN MECHANISM	135mm
VERTICAL ADJUSTMENT IN STEM	145mm
SIDEWAYS ADJUSTMENT	30mm
FRONTAL ANGLE ADJUSTMENT	20°
SAGITTAL ANGLE ADJUSTMENT	180° top hinge 180° bottom hinge
TRANSVERSE ANGLE ADJUSTMENT	20°
WEIGHT OF STYLO STEM	570 grams

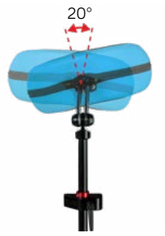




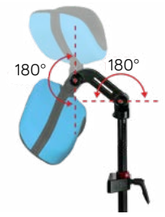
HORIZONTAL FORWARD ADJUSTMENT



VERTICAL ADJUSTMENT IN MECHANISM



SIDEWAYS ADJUSTMENT



PITCH

Stylo 160



For the simple, yet adjustable and Spex Adaptable head positioning solution.

Stylo 160 is crafted to achieve the best of both worlds: simplicity and ease of adjustment, yet highly adjustable and versatile.

Clever use of twin ball joints means the head pad can be orientated to where the optimal support is required, through 90° in all directions; coupled with two hinge joints that offer infinite up and down, and forward and backward adjustment. The finished product... an extremely versatile mechanism that allows true adjustment of the pad position, creating a solution that is completely Spex Adaptable to the user.

Available in flip-back option for ease of transfers.

CODE	1274-1252-000
FLIP-BACK CODE	1274-2252-000
HORIZONTAL FORWARD ADJUSTMENT	160 mm
VERTICAL ADJUSTMENT IN MECHANISM	135 mm
VERTICAL ADJUSTMENT IN STEM	145 mm 80 mm for Flip-back
SIDEWAYS ADJUSTMENT	200 mm
FRONTAL ANGLE ADJUSTMENT	360°
SAGITTAL ANGLE ADJUSTMENT	180° top hinge + 90° top ball joint 180° bottom hinge + 90° bottom ball joint
TRANSVERSE ANGLE ADJUSTMENT	90°
WEIGHT OF STYLO STEM	915 grams (930 grams flip-back)





HORIZONTAL FORWARD ADJUSTMENT



VERTICAL ADJUSTMENT IN MECHANISM



VERTICAL ADJUSTMENT IN STEM



SIDEWAYS ADJUSTMENT



PITCH

Stylo 260

Infinite adjustability for the most complex situations!

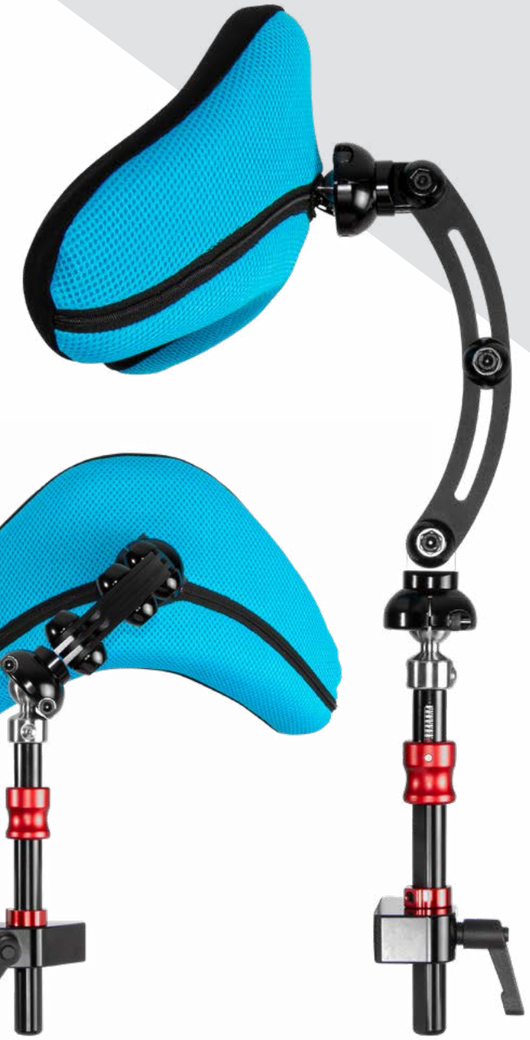
Stylo 260 is engineered to offer ultimate and unparalleled adjustability to meet the most complex head positioning needs!

With simple adjustment and intuitive design, it brings simplicity to the most complex of cases.

Similar to Stylo 160, clever use of twin ball joints means the head pad can be orientated to where the optimal support is required, through 90° in all directions; coupled with two hinge joints that offer infinite up and down, and forward and backward adjustment. In addition, it offers incredible reach with length-adjustable links.

Available in flip-back option for ease of transfers.

CODE	1274-1282-000
FLIP-BACK CODE	1274-2282-000
HORIZONTAL FORWARD ADJUSTMENT	260 mm
VERTICAL ADJUSTMENT IN MECHANISM	160 mm
VERTICAL ADJUSTMENT IN STEM	145 mm 80 mm for Flip-back
SIDEWAYS ADJUSTMENT	250 mm
FRONTAL ANGLE ADJUSTMENT	360°
SAGITTAL ANGLE ADJUSTMENT	180° top hinge + 90° top ball joint 180° bottom hinge + 90° bottom ball joint
TRANSVERSE ANGLE ADJUSTMENT	90°
WEIGHT OF STYLO STEM	990 grams (1.01kg flip-back)





HORIZONTAL FORWARD ADJUSTMENT



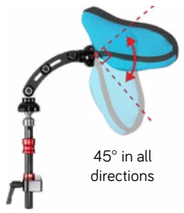
VERTICAL ADJUSTMENT IN MECHANISM



VERTICAL ADJUSTMENT IN STEM



SIDEWAYS ADJUSTMENT



PITCH

Head Support Pads

THE SPEX HEAD PAD ADVANTAGE

Spex Head Support pads are constructed from an internal aluminium shell covered by an injection moulded polyurethane foam to ensure smooth and comfortable support surface. The family of head support shapes have been geometrically and biomechanically designed to give greater support and stability for head positioning for wheelchair users. Along with the versatile Spex Stylo hardware, it's possible to accommodate an extensive range of head positioning requirements. Aluminium plates with multiple positioning holes allow for wide range of adjustment of the pad in relation to the mechanism.



FUNCTIONAL

- In-built occipital shaping of the foam ensures posterior pad control keeping the users head in a supported position.
- Accommodating ear cut-out detail with the Standard and Extended Lateral Head Support Pads allowing for greater levels of comfort on the ears, even for users who rotate their head along the pad.
- Clever dual-layer fabric surface to aid in shear reduction decreasing friction in addition to being gentle on the hair.
- Covers are removable for washing and hygiene purposes.
- Head pad weights range from 295g to 1.16kg





CIRCLE
Unique minimal head support providing direct posterior support for users with good head control.



COMFORT
General use head support pad suited for transit and travel.



CONTOUR
Contoured shaped pad for superior occipital and suboccipital support.



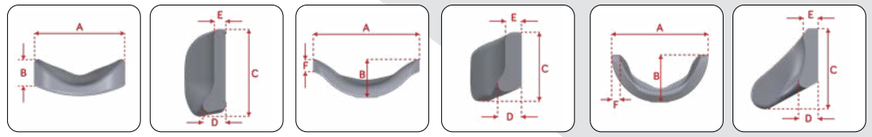
STANDARD LATERAL
One-piece lateral head support solution for moderate head positioning needs.



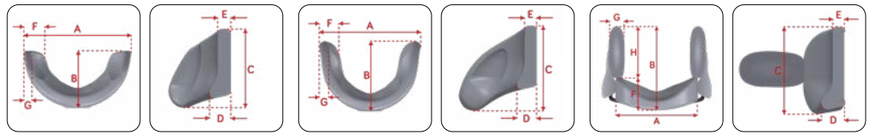
EXTENDED LATERAL
One-piece lateral head support solution for complex head positioning needs.



ADJUSTABLE LATERAL
A superior adjustable lateral head control system with individualised 'tuning'.



Style	Circle		Comfort		Contour	
Size	150	250	250	350	250	350
Code	1275-0011-000	1275-0012-000	1275-0031-000	1275-0032-000	1275-0021-000	1275-0022-000
Weight	295g	500g	340g	580g	225mm	280mm
Internal Width (A)	145mm	180mm	235mm	310mm	105mm	130mm
Internal Depth (B)	50mm	60mm	60mm	80mm	140mm	170mm
External Width (C)	175mm	220mm	260mm	340mm	280mm	350mm
External Depth (D)	55mm	70mm	90mm	120mm	140mm	170mm
Height (E)	145mm	185mm	125mm	165mm	165mm	210mm
Bottom Thickness (F)	45mm	60mm	45mm	60mm	35mm	50mm
Top Thickness (G)	25mm	30mm	30mm	50mm	30mm	40mm



Style	Standard Lateral		Extended Lateral		Adjustable Lateral	
Size	Paediatric	Standard	Paediatric	Extended	150	250
Code	1275-0041-000	1275-0043-000	1275-0042-000	1275-0044-000	1275-0061-000	1275-0062-000
Weight	405g	585g	485g	670g	955g	1,160g
Internal Width (A)	135mm	160mm	135mm	160mm	145mm	180mm
Internal Depth (B)	80mm	100mm	120mm	140mm	205mm	215mm
External Width (C)	220mm	250mm	230mm	260mm	175mm	220mm
External Depth (D)	180mm	145mm	160mm	180mm	55mm	70mm
Height (E)	150mm	170mm	180mm	190mm	145mm	185mm
Bottom Thickness (F)	50mm	60mm	50mm	60mm	45mm	60mm
Top Thickness (G)	40mm	45mm	40mm	45mm	25mm	30mm
Thickness (H)	55mm	60mm	50mm	60mm	55mm	70mm
Thickness (I)	30mm	30mm	35mm	35mm	40mm	40mm
Lateral Wing Length (J)	-	-	-	-	155mm	155mm

spex
Shaping Better Lives

HEAD SUPPORT

Extended Lateral in Leaf Green on Stylo 260 Flip-Back



LATERALS

Pair 2: Broad Pads on Swing-away hardware (used as elbow/arm supports)



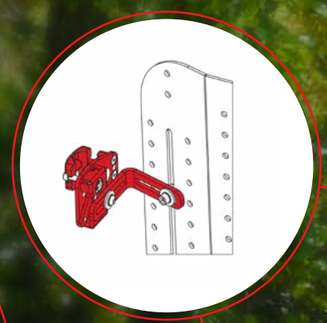
LATERALS

Pair 1: Broad Pads on Paediatric Axial Hardware



BACK HARDWARE

Quad Mount



HIP BELT

4 point Centre-pull, Centre-release



BACK SUPPORT

Spex Height-Adjustable in Leaf Green



CUSHION

Classic SuperHigh in Leaf Green



HARNESS

Vest



Lateral Thigh Supports

Spex wheelchair thigh supports are transport certified and designed to be installed to the seat pan or seat rail, enabling precise positioning for the user. Various configurations are available including our acclaimed Axial hardware that enables full support for external hip rotation and wind-swept postures as well as preventing pelvic rotation tendency.

CLINICAL

- Facilitate good thigh alignment and stabilize the sitting posture.
- Control hip abduction, moderate external hip rotation, reduces femur and greater trochanter lateral pressure into the wheelchair side guards by its comfortable pad.
- Prevent hip, pelvic and trunk rotation by stabilising the pelvis on the seating system.
- In combination with trunk lateral supports, they assist to align the users posture, stabilizing upper body and providing functionality.

FUNCTIONAL

- Hardware can be configured various ways to suit different pelvic and thigh patterns.
- Arm supports can be upgraded to the hardware if necessary.
- Hardware is available in fixed or Axial adjustment. Axial hardware reduces the seat width by 0 to 65 mm each side. Pad is 25 mm thick, and Axial bars allow for up to 40 mm of adjustment.
- Washable upholstery covers

Arm Supports



Arm supports provide functional forearm and upper extremity support. Modular system creates flexibility and takes into consideration the individual needs of all kinds of clients. Hardware can be combined with thigh support pads, if required.

CLINICAL

- By having arm supports in the correct position, bearing normal weight on the arm pads will provide better trunk alignment and support which improves posture.
- Assist pelvic and trunk stability to reduce or redirect forces that lead to pressure sores.
- Correct shoulder girdle stabilising.
- In combination with tray table they assist to improve upper body stability essential to accomplishing tasks.

FUNCTIONAL

- Spex hardware enables precise positioning of the arm support pads to ensure the user gains the correct positioning for function.
- A variety of different hardware options allow specific functions tailored for the user.
- Powered chair drive controllers can be easily installed.
- Gain accurate width setting and infinite height setting for improved arm placement.
- Approx. combo Thigh & Arm Support weight is 1.85 kg per side.

FUNCTIONAL CHOICES

FOR THIGH AND ARM SUPPORTS



- Quick Release



- Flip-Down. Facilitate easy transfers

ARM SUPPORT CHOICES

ANGLE AND HEIGHT ADJUSTABLE



Multiple angle adjustments for precise support.

FIXED ANGLE BUT HEIGHT ADJUSTABLE



Fixed in angle but height adjustable.

THIGH SUPPORTS



Support pads orientate for width reduction of pelvic area.



Lateral growth adjustment.



Wind-sweeping ability for correct alignment of pelvis/thighs.



Abduction control within our patented Axial technology to maintain precise support.

SEAT RAIL MOUNT

Option for thigh/arm support hardware. Mounts vertically to the seat rail on most power chairs.



SEAT PAN MOUNT

Option for thigh/arm support hardware. Mounts horizontally to the seat pan of most wheelchairs.



THIGH SUPPORT PADS

Size	Length	Height	Thickness	Code
10”	265mm	90mm	35mm	1156-1010-400
12”	310mm	95mm	35mm	1156-1012-400
14”	360mm	130mm	50mm	1156-1014-400
16”	410mm	135mm	50mm	1156-1016-400
18”	460mm	145mm	50mm	1156-1018-400
20”	510mm	160mm	50mm	1156-1020-400

ARM SUPPORT PADS

Size	Width	Depth	Code
SML, Slim	40 mm	250 mm	1156-5811-410
MED, Slim	50 mm	300 mm	1156-5812-410
LGE, Slim	60 mm	350 mm	1156-5813-410
SML, Wide	70 mm	250 mm	1156-5821-410
MED, Wide	80 mm	300 mm	1156-5822-410
LGE, Wide	90 mm	350 mm	1156-5823-410

Anterior Trunk & Pelvic Positioning Tips

ANTERIOR PELVIC POSITIONING

The Hip Belt is the primary anterior support in seating, as it helps to maintain the stability of the pelvis. Proper placement and use of anterior pelvic supports may prevent sliding into maladaptive, unsafe, or non-functional postures.

- For maximum effect, position the attachment points of the Hip Belt as close to the user as possible.
- Positioning the main (wide) straps below the ASIS reduces the possibility of the pelvis slipping under the belt.
- The selection and set-up of the cushion and back support influences the position and stability of the pelvis.
- Approx. hip belt weight is from 0.15 to 0.5 kg

ANTERIOR TRUNK POSITIONING

Anterior upper body support is used to maintain spinal alignment over a stable pelvis. Increasing trunk support for proximal stability has been proven to increase upper extremity function.

These are sometimes necessary to maintain an upright trunk and head for functional use of arms, vision, breathing and feeding for individuals who pull or fall forward.

- Attaching the lower straps of the harness to the back support shell rather than the wheelchair frame provides a more snug fit.
- Shoulder strap guides hold the harness in position over the user's shoulders.
- Approx. harness weight is from 0.25 to 0.55 kg

THE SPEX ADVANTAGE

- Soft comfortable pads offer excellent resilience, water resistance, and CONFORM TO THE BODY without creasing.
- Durable webbing is 'ridge' woven for MAXIMUM GRIP once adjusted.
- TOUGH Stainless Steel Adjusters.
- Attachment hardware included with every Hip Belt allows a multitude of positioning options.
- Smooth, soft binding is COMFORTABLE against sensitive skin.
- Sleek pad design reduces coverage to MINIMISE SWEATING.
- Harness follows NATURAL CONTOURS of the body.
- DYNAMIC FABRIC accommodates movement while maintaining positioning.







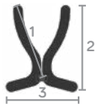
Anterior Trunk Positioning

Unique harness designs suit a wide scope of requirements for postural restraint and support.



FUNCTIONAL

- Pads follow natural contours of the body, with sleek design to minimise sweating.
- Soft edge binding to reduce chafing, while heavy duty webbing will resist the twist.
- Maintain and encourage spinal alignment over a stable pelvis.

	Size	Code	Spec (1)	Spec (2)	Spec (3)	W/C Width	Image
H-HARNESS	XSML	1409-6640-017		27 cm		8" - 12"	
	SML	1409-6641-017		30 cm		11" - 15"	
	MED	1409-6642-017		36 cm		14" - 17"	
	LGE	1409-6643-017		42 cm		17" - 20"	
	XLGE	1409-6644-017		48 cm		20" +	
RETRACTOR HARNESS	SML	1409-6621-017		32 cm		11" - 15"	
	MED	1409-6622-017		38 cm		14" - 17"	
	LGE	1409-6623-017		44 cm		17" - 20"	
	XLGE	1409-6624-017		50 cm		20" +	
VEST HARNESS	XSML	1409-6610-017	15 cm	24 cm	24 cm	8" - 12"	
	SML	1409-6611-017	20 cm	32 cm	32 cm	11" - 15"	
	MED	1409-6612-017	26 cm	40 cm	40 cm	14" - 17"	
	LGE	1409-6613-017	30 cm	48 cm	48 cm	17" - 20"	
CENTRE-POINT HARNESS	XSML	1409-6660-017	23 cm	26 cm	22 cm	8" - 12"	
	SML	1409-6661-017	29 cm	36 cm	32 cm	11" - 15"	
	MED	1409-6662-017	34 cm	40 cm	36 cm	14" - 17"	
	LGE	1409-6663-017	40 cm	45 cm	42 cm	17" - 20"	
	XLGE	1409-6664-017	45 cm	50 cm	50 cm	20" +	

SHOULDER STRAP GUIDES

Recommended for any harness choice to prevent shoulder straps falling off shoulders. Height adjustable and fit both 1" and 1.5" straps.

1400-6692-000



HARNESS OPTIONS



H-HARNESS
Minimalist option with good adjustment



RETRACTOR HARNESS
Encourages retraction of the shoulders



VEST HARNESS
- Greater coverage across the chest area where support is needed
- Low neck design for safety
- Stomach clearance comfort cutout



CENTREPOINT HARNESS
- Follows natural contours of the body and has clearance for items such as stomach feeding tubes
- Can be independently operated by the user

Anterior Pelvic Positioning

Manufactured with top precision quality, the Spex Hip Belt range caters for a wide range of positioning needs.



FUNCTIONAL

- Specially designed webbing and non-slip attachments
- Comfortable cushioned pads with unique soft edge binding
- Full range available: choose from 2- or 4-point, centre pull, side pull, and a range of buckle options and sizes

Hip Belt Style	X-Small Pad width 30 cm	Small Pad width 36 cm	Medium Pad width 46 cm	Large Pad width 56 cm
2 POINT PADDED CENTRE PULL	1405-6210-XXX	1405-6211-XXX	1405-6212-XXX	1405-6213-XXX
2 POINT PADDED DUAL CENTRE PULL	1405-6220-XXX	1405-6221-XXX	1405-6222-XXX	1405-6223-XXX
4 POINT PADDED CENTRE PULL	1406-6410-XXX	1406-6411-XXX	1406-6412-XXX	1406-6413-XXX
4 POINT PADDED DUAL CENTRE PULL	1406-6420-XXX	1406-6421-XXX	1406-6422-XXX	1406-6423-XXX
4 POINT PADDED SIDE PULL	1406-6400-XXX	1406-6401-XXX	1406-6402-XXX	1406-6403-XXX

The last three digits of the code refer to the buckle type. See below table for buckle options.

BUCKLE OPTIONS



Side Release	Centre Release	Anti Escape	Pen Popper	Easy Release Latch
-027	-028	-026	-025	-023
Simple and easy to click together and undo.	Robust design to keep the user positioned and safe.	Prevent users with challenging behaviour from releasing the buckle.	Requires a pen to prod the buckle mechanism to release open.	Simply lift the metal buckle flap and slide the buckle apart.

Note: These harnesses are a positioning device only. Do not use as a safety restraint in vehicles.

HIP BELT OPTIONS



2 POINT
CENTRE PULL
User or carer operated. Tensions at centre of buckle. Suits clients with low muscle tone or weakness.



2 POINT
DUAL-CENTRE PULL
User or carer operated. Tensions from both sides at centre of buckle. Suits clients needing greater adjustment. Accommodates clothing/weight changes.



4 POINT
SIDE PULL
Carer operated. Tensions from the rear of the pad pulling towards the centre, for more severe needs. Suits clients with high muscle tone.



4 POINT
CENTRE PULL
User or carer operated. Tensions at centre of buckle. Suits clients with low muscle tone or weakness.



4 POINT
DUAL CENTRE PULL
User or carer operated. Tensions from both sides at centre of buckle. Suits clients needing greater adjustment. Accommodates clothing/weight changes.

Limb Stabilisers

Careful positioning of the feet is critical as it indirectly influences the position of the pelvis and affects the overall stability of the user.

FOOT-FASTS

- Soft comfortable pads contoured for a snug fit
- Buckle fastened and tension adjustable for quick fitting
- Attachment hardware included
- Posterior strap option adds extra stability to the user's foot

	Small	Medium	Large
FOOT-FASTS	1401-6161-017	1401-6162-017	1401-6163-017
FOOT-FASTS WITH POSTERIOR RETAINER STRAP	1401-6165-017	1401-6166-017	1401-6167-017
INNER CIRCUMFERENCE	15-23 cm	22-30 cm	26-38 cm

CALF STRAPS

- Padded with pressure-relieving foam infill
- Velcro attachment
- Soft water resistant pad

Size	Height	Calf Strap Code
10"	50 mm	1402-6170-017
12"	50 mm	1402-6171-017
14"	70 mm	1402-6172-017
16"	90 mm	1402-6173-017

Size	Height	Calf Strap Code
17"	90 mm	1402-6174-017
18"	110 mm	1402-6175-017
20"	130 mm	1402-6176-017
Custom		1402-6177-017

HEEL LOOPS

- Quality webbing resists twisting
- Low, unobtrusive and secure
- Attachment hardware included
- Allows wheelchair footplates to be folded away without restrictions
- No protruding attachment pins

	Small	Medium	Large
HEEL LOOPS	1403-6181-017	1403-6182-017	1403-6183-017

FOREARM STRAPS

- Buckle fastened
- Adjustable straps
- Can attach with wood screws to wooden arm pads or through existing arm pad attachment points

	Small	Medium	Large
SET OF 4 FOREARM STRAPS	1408-6511-017	1408-6512-017	1408-6513-017
FOREARM STRAP - 1 ONLY	1408-6521-017	1408-6522-017	1408-6523-017



Foot-Fasts with Posterior Retainer Strap









spex

solutions@spexseating.com
spexseating.com



DISTRIBUTED BY:

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

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

CE

Spex UK Catalogue_20240703_EN