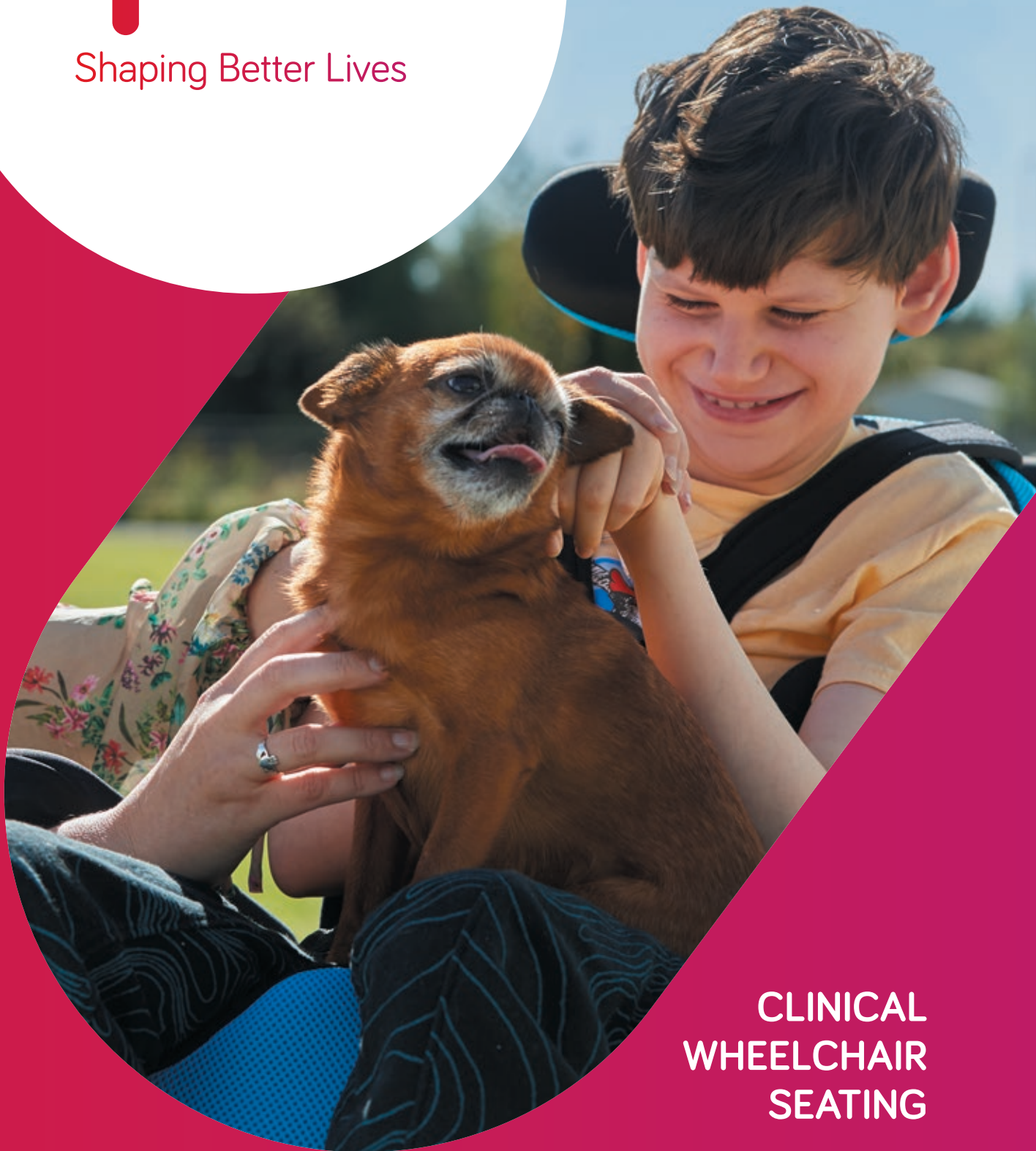


# spex

Shaping Better Lives



**CLINICAL  
WHEELCHAIR  
SEATING**



Designed and  
manufactured by

**medifab**

[SPEXSEATING.COM](https://spexseating.com)

# medifab

Shaping  
better lives  
since 1990.



## Grown from small beginnings, the Medifab story is driven by a single-minded purpose – to bring comfort and functionality to people living with disabilities.

Built from the ground up by a New Zealand family, we design, manufacture and export specialist seating and high-quality clinical equipment for children and adults with complex medical needs.

Established in 1990 with a genuine passion to help, we innovate to create break-through technologies, so our clients can manage their daily physical and cognitive challenges with the dignity they deserve.

Working closely with therapists, carers and clients, our customer-focussed approach and 'whatever it takes' attitude is at the heart of everything we do. And now, as a leading manufacturer and supplier of high-quality clinical equipment, we continue to push boundaries and adapt our solutions so we can shape better lives throughout the world.

## Driven to make a positive difference

Our vision is to make a positive difference to people living with disabilities, along with the carers and therapists that support them. By combining innovative designs with depth of industry know-how, we design, manufacture and supply break-through postural support solutions for people living with a range of special needs and complex disability.

### Revolutionising the postural aid world

Disrupting the current customary, moulded seating industry for the better, Spex is the world's first customisable and adjustable seating system for wheelchairs and pushchairs.

By combining innovative, creative thinking with a thorough clinical evaluation, we developed a fully customisable seating system produced from our state-of-the-art manufacturing facility in Canterbury, so our clients would never have to compromise on comfort again.

### Transforming lives with technical innovations

Featuring specialist adjustable foam components and highly engineered hardware, Spex Seating is designed to mould to the individual's shape, promoting postural integrity and pressure relief.

A technical innovation that's disrupted the conventional moulded seating industry, this fully adjustable system allows carers and therapists to customise Spex to their client's individual postural needs, making daily discomfort a thing of the past.

### Taking Spex global

We developed a modular approach to manufacturing, so therapists anywhere in the world can solve complex postural problems on the spot with Spex Seating.

With registered worldwide patents and internationally recognised certifications that prove Spex meets rigorous quality standards, this break-through technology adds a completely new dimension to postural support and comfort.

### Bringing clinical comfort to the world

Our goal to improve the lives of people globally through exporting Spex inspired us to strengthen our logistical capabilities and elevate procedures to meet the rigorous standards global authorities recognise and trust.

Given the innovative nature of Spex, we've partnered with world-class ISO accredited Third Party Logistics centres in Europe and North America, so we can deliver timely.

### Internationally recognised for quality

Having established a quality and regulatory affairs department, and a culture focused on quality and continuous improvement, we have achieved ISO registration for 9001 Quality Management System, 14001 Environmental Management System and 13485 Medical Devices – the internationally recognised standard that guides medical device manufacturers in implementing quality management systems.

These certifications combined with our comprehensive logistics network enable us to distribute to Australia, Europe, parts of Asia and the rest of the world.

### Distributing Spex to the world

With a solid and comprehensive export network in place, and internationally recognised certifications to our name, we can export Spex Seating to international markets and shape better lives in every corner of the world.



Shaping better  
lives worldwide  
through clinically  
proven modular  
wheelchair  
seating.





# Contents

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Spex Wonderseat Stroller	6
Spex - Our Heritage	10
Codes for Standard Sized Cushions	12
Vigour Cushion	14
Spex Standard Contour Cushion	15
Spex High Contour Cushion	16
Spex SuperHigh Contour Cushion	18
Spex Flex Cushion	20
Codes for Standard Sized Back Supports	22
Spex Back Support Hardware Options	23
ZYGO Back Support	24
ZYGO Active Contour Lo Back Support	26
ZYGO Active Contour Mid Back Support	27
ZYGO Deep Contour Lo Back Support	28
ZYGO Deep Contour Mid Back Support	29
ZYGO Specifications	30
Vigour Back Support	31
Height-Adjustable Back Support	33
Manta Back Support	35
Comfi Back Support	37
Spex Back Support	39
Contouring the Spex Back Support Surface	41
Back Support Contouring Cubes	42
SuperShape Back Support	43
Adapta <sup>2</sup> Back Support	47
Adapta <sup>3</sup> Back Support	47
Tessellated Positioning Kit	51
Spex Wheelchair Padding	52
Lateral Trunk Supports	53
Lateral Support Pads	55
Axial Biangular Lateral Support	57
Transport Certified	59
Seat Base	60
Universal Positioning Bases	62
Stylo Head Support	63
Stylo 160	65
Stylo 260	66
Head Support Pads	67
Medial Thigh Support	69
Head Support	70
Lateral Thigh Supports	71
Arm Supports	71
Spex Wheelchair Padding	73
Anterior Trunk & Pelvic Positioning Tips	73
Anterior Trunk Positioning	74
Anterior Pelvic Positioning	75
Limb Stabilisers	76
Break the Mould!	77
About Medifab	78

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# spex | Wonderseat Stroller

## A breakthrough in rehabilitative stroller seating.

The Spex Wonderseat provides a solution for paediatrics that has never been seen before. For children with positioning needs where a stroller is the preferred option for the family, the Spex Wonderseat provides an optimum seating support designed to accommodate even the most challenging requirements!



Create clinical solutions with Spex cushion and back support system.



### ALLOWANCE FOR HIP/THIGH FLEXION AND PRE-ISCIAL SUPPORT

A good pelvic foundation is paramount to assist in slowing, or even preventing pelvic and spinal asymmetries. Therefore, the cushion adjusts to correct or accommodate the child's pelvic and thigh needs.



### SPEX POSITIONING CUSHION BASE

Strategic positioning pads can be added or removed from underneath the cushion to allow for different contours and shapes. This way we can meet the client's posture requirements present today; and readjust them in the future.



### PELVIC OBLIQUITY BUILD-UP

Pelvic obliquity build-up can be achieved and easily adjusted on the cushion ischial well. Its adjustable pre-ischial area can be conformed on-the-spot for greater or lesser anti-thrust needs.



### CREATE INSTANT SHAPE

Back support shaping allows for accommodation or correction of trunk spinal deformities, that will ultimately be supported through multi-adjustable lateral supports and anterior chest harnesses.



### SPEX CONTOURING SYSTEM

Pockets behind the back-foam inner create a modular and adjustable solution for changing the contour to suit different user shapes and posture needs.



### ASYMMETRICAL CONTOURING

Back support adjustable shaping can be easily adapted to meet common spinal deformities, such as Scoliosis, Lordosis, Kyphosis.



# spex | Wonderseat Stroller

A smart-looking stroller that enables parents to take their child outside and explore!



Adjustable suspension system.



## COMFI HEAD SUPPORT

Ultimate comfort and positioning for the head with inbuilt lateral and occipital support. 2 styles available: standard lateral and extended lateral (shown).  
Standard 2885-4241-XXX  
Extended 2885-4341-XXX



Adjustable recline, seat tilt and elevating footplate.

## SUPERIOR COMFORT AND STYLE

With a wide range of coloured seating options to choose from, the Spex Wonderseat offers a colour to suit any style. Stand out from the crowd in with our Chilli red or look pretty in pink with the Calypso.



OCEAN  
-060



MANGO  
-030



GRANITE  
-090



CHILLI  
-022



CALYPSO  
-028

### WONDERSEAT TECHNOLOGY

- Spex cushion
- Spex back support
- Axial lateral supports
- Forearm supports

### OPTIONS

- Hip belt positioning
- Shoulder harnesses
- Comfi head supports

### FRAME AND SEAT FEATURES

- Bingo OT mobility base in matte black
- Open footrest platform
- Tray table
- Elevating legrest allowing for contractures 85°-160°
- Sun canopy

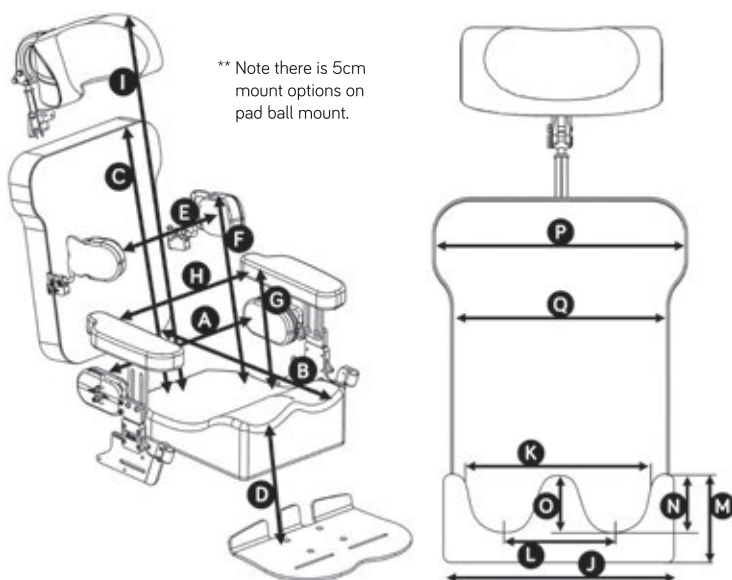
- Basket
- Transport tie-downs

- Oxygen bottle holder
- IV pole
- Weather gear
- Ventilator tray for respiratory equipment
- Feet sandals

- Height-adjustable indoor base
- Axial Pelvic Supports

# spex | Wonderseat User measurements

Bingo Stroller Size		Size 1		Size 2	
Bingo Stroller Order Code		3238-0010-032		3239-0010-032	
Seating specs	A Hip width	17-28cm (6.5-11")		22-33cm (8.5-13")	
	B Seat depth	18-23cm (7-9") 1.1 Cushion	23-30cm (9-12") 1.2 Cushion	23-33cm (9-13") 2.1 Cushion	28-38cm (11-15") 2.2 Cushion
	C Back height	36-44cm (14-17")		40-48cm (16-19")	
	D Lower leg length*	25-40cm (10-16")		25-45cm (10-18")	
	E Trunk lateral width	12-28cm (5-11")		15-30cm (6-12")	
	F Trunk lateral height	15-34cm (6-13.5")		17-40cm (6.5-16")	
	G Arm support height	15-22cm (6-8.5")		15-22cm (6-8.5")	
	H Internal arm support width	20-32cm (8-13")		28-38cm (11-15")	
	I Head support height	45-65cm (18-25.5")		50-70cm (20-28")	
	J Cushion total width	33cm (13") Size 1.1	33cm (13") Size 1.2	38cm (15") Size 2.1	38cm (15") Size 2.2
	K Internal cushion width	23cm (9") Size 1.1	28cm (11") Size 1.2	28cm (11") Size 2.1	33cm (13") Size 2.2
	L Centre of thigh contours	15cm (6") Size 1.1	17cm (6.5") Size 1.2	18cm (7") Size 2.1	20cm (8") Size 2.2
	M Cushion side height	14cm (5.5")		14cm (5.5")	
	N Thigh contour height	9cm (3.5")		9cm (3.5")	
	O Abductor contour height	5cm (2")		5cm (2")	
	P Back cushion width	33cm (13")		38cm (15")	
	Q Trunk cushion width	26cm (10")		30cm (12")	
Stroller specs	Frame seat depth capacity	18-30cm (7-12")		20-38cm (8-15")	
	Frame back height capacity	36-46cm (14-18")		41-55cm (16-22")	
	Backrest recline angle	90-160°			
	Height of push bar	75-110cm (29.5-43")			
	Overall frame width	63cm (25")		68cm (27")	
	Max load of seat unit	50kg (110lb) (body weight including other load)			
	Base frame capacity	60kg (132lb)			





# spex | Wonderseat

## Adjustable seating and stroller



Cobra height-adjustable indoor base. The seat easily transfers into the Cobra for feeding and activity times. Tilt setting can still be adjusted.

**Size 1:** 2880-8711-000

**Size 2:** 2880-8721-000



Seat in forward facing direction.



Seat in rear facing direction.

Rehabilitative care improves with innovative Spex seating.



### AXIAL PELVIC SUPPORTS

Multi-adjustable pelvic supports can orientate in width and angle for optimum pelvic control. These pads are mounted to the quick-release hardware meaning transfers are easy.

**Size 1:** 2885-1111-000

**Size 2:** 2885-1112-000



### SPEX BACK SUPPORT

Comfortable pressure-reducing back support with contouring cell system to permit a personal contour for bony prominences, scoliosis and other asymmetrical back postures.

**Size 1:** 2885-2012-0XX

**Size 2:** 2885-2014-0XX



### SPEX SUPERHIGH CUSHION

Specially designed for a young child who has moderate to high positioning requirements. Spex Superhigh offers optimal adduction and abduction contours to effectively position the pelvis and legs. Spex positioning technology allows further adjustment for pelvic obliquity, hip flexion and other clinical requirements.

**1.1:** 2885-0610-0XX

**1.2:** 2885-0611-0XX

**2.1:** 2885-0612-0XX

**2.2:** 2885-0613-0XX



### AXIAL LATERAL TRUNK SUPPORTS

Comfortable lateral supports that are width, depth and multiple angle adjustable. Patented mechanically rotational system allows the lateral pad to rotate to correctly align to the user's trunk. Swing-away hardware make it easy for carers to transfer the child in and out.

**Narrow:** 2885-3410-291

**Broad:** 2885-3431-291



### FOREARM SUPPORTS

Comfortable, padded forearm supports on quick-release hardware make transfers easy for the carers.

**Size 1:** 2885-5621-291

**Size 2:** 2885-5622-291



### FEET POSITIONING SANDALS

Straps can be fixed in a variety of ways to achieve the most appropriate support for each child. Independently adjustable to exactly accommodate the optimum foot position.

**Sandals:** 2885-6081-000

**Sandal Raising Blocks:** 2885-6091-000

# spex

## Our heritage.

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





The Spex brand is a cultivated result from over 25 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 time taken to reach the solution, and ease of ongoing adaptation.

- Clinically appropriate seating choice
- Easy to use from installation to completion
- Solves clients seating needs in minimal time
- 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 benefitting by distributing weight and therefore reducing pressure, whether on a lateral pelvic/thigh support, lateral trunk support or medial thigh/knee block 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.

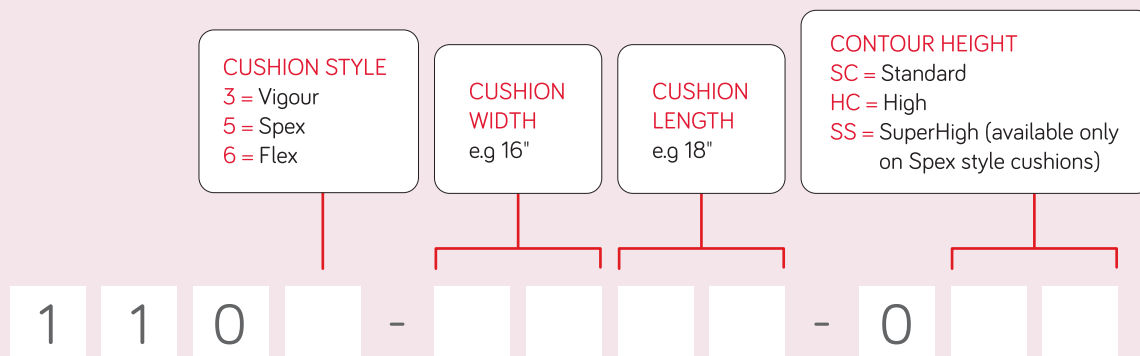
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Spex is the subject of patents, patents pending, design rights and copyright. Medifab places great value in these intellectual property rights and reserves its right to protect them where necessary. User instructions can be downloaded at [www.Spexseating.com/resources](http://www.Spexseating.com/resources).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

# Codes for Standard Sized Cushions

## Our cushion codes are meaningful!

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

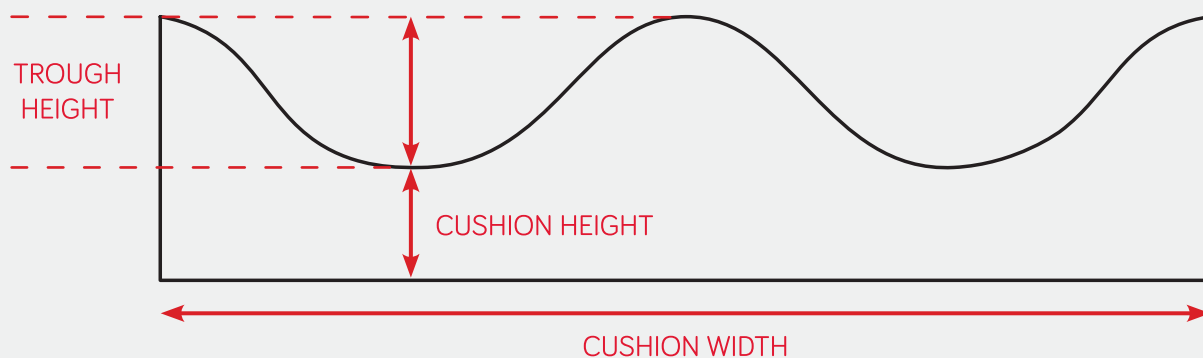


### EXAMPLE

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.

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



# Vigour Cushion



## CLINICAL

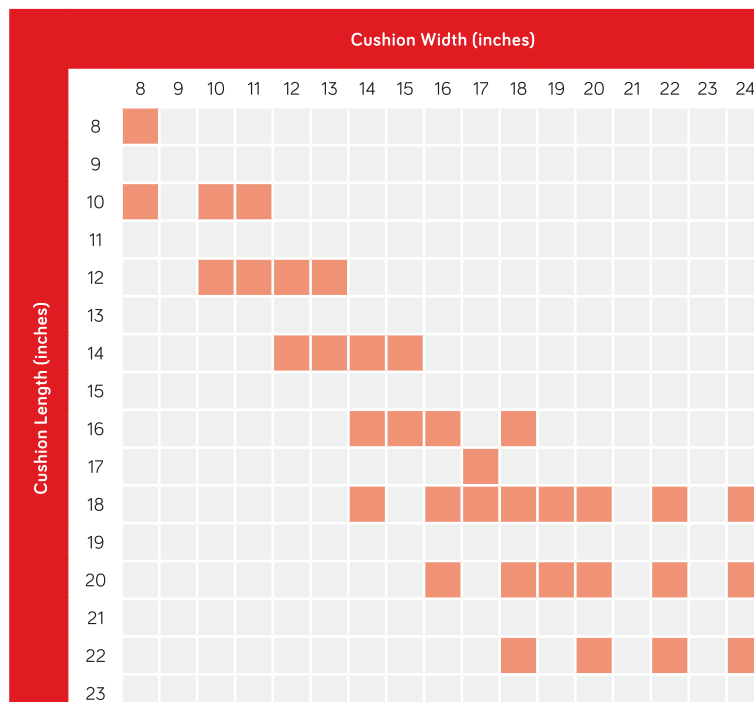
Designed for the user who:

- 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)	(16x16)
11"-15"	2.5"					
16"-17"	2.75"	350lbs (160kg)			1.4kg	1.5kg
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

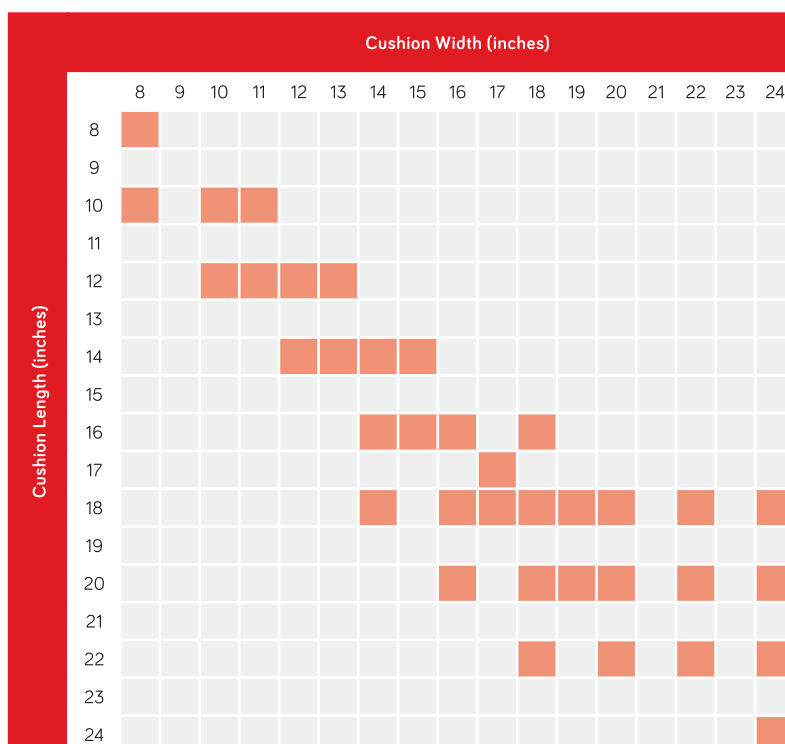
Designed for the user who has moderate to severe postural needs and pressure requirements. Excellent choice for individuals who:

- 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)
11"-15"	2.5"			
16"-17"	2.75"	350lbs (160kg)		1.5kg
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).



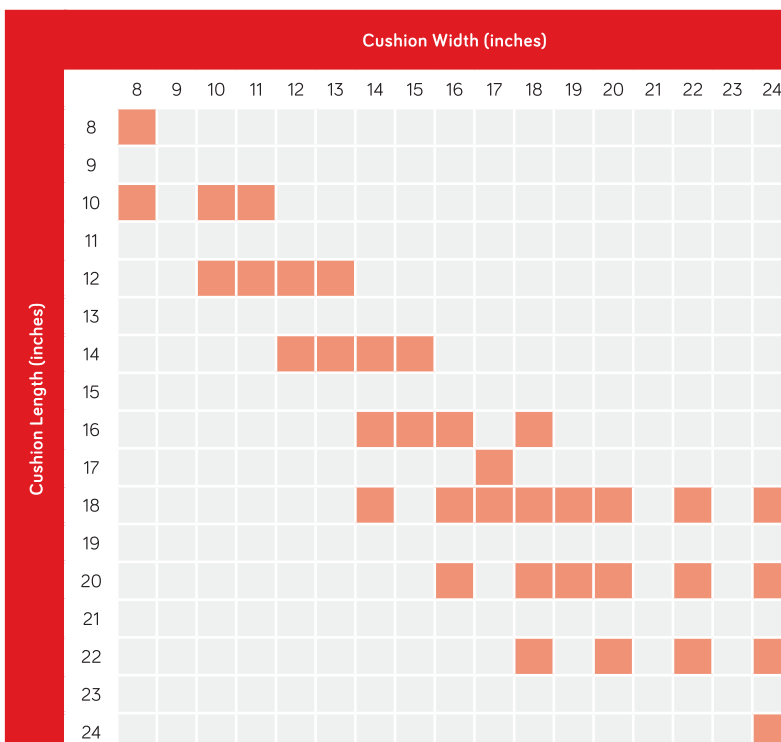
Unique dual-layer **SHEAR REDUCTION** fabric surface

Accentuated thigh/adductor and abductor **CONTROL AND SUPPORT**

**CUSTOMISE** for all sitting postures

Maintain **PELVIC STABILITY** with adjustable positioning base

## 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)	50mm	(16x16) <b>1.6kg</b>
11"-15"	2.5"			
16"-17"	2.75"	350lbs (160kg)		
18"-20"	3"			

## PRODUCT PERFORMANCE

Pressure Care	Red	Red	Red	4
Positioning	Red	Red	Red	4
Lateral Stability	Red	Red	Red	4
Offloading	Red	Red	Red	4
Changing Needs	Red	Red	Red	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.



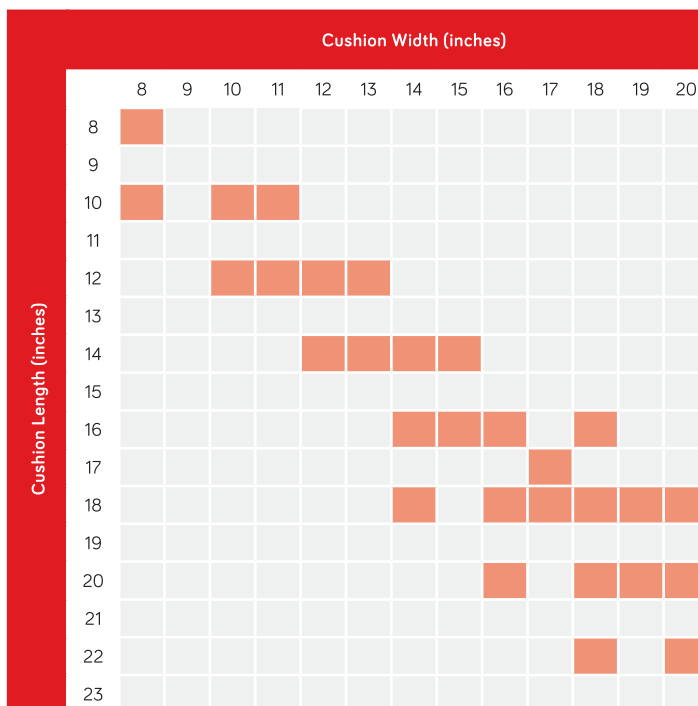
## PELVIC ROTATION

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





## CUSHION SIZE CHART



- 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"		350lbs (160kg)	
14"-15"	2.5"			
16"-17"	2.75"			
18"-20"	3"			

## PRODUCT PERFORMANCE

### Spex SuperHigh

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

### Spex SuperHigh (full length contouring)

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

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

# NEW Spex Flex Cushion

Creating possibilities for complex sitting postures!

Flex cushion implements a truly adaptable and easy approach for even the hardest-to-solve cushion requirements for users with complex postures.

As its name describes, Flex has been designed to fulfil the postural requirements of wheelchair users who present with limited hip flexion. Up-to-date research shows that a considerable number of clients with cerebral palsy at GMFCS level V, present with asymmetric limited hip flexion. This condition must be ruled out or compensated as it has been linked to the development of other conditions like pelvic obliquity, trunk asymmetry, scoliosis, and windswept hip distortion (Ágústsson, A. et al, 2017).

Considering a lack of products available that can support clients with symmetric or asymmetric limited hip flexion, and considering the negative impact that this can have on people's posture and function, we have developed this superior, comfortable, pressure relieving, stable and highly configurable cushion able to address even the most challenging postural requirements.

Every Flex comes with an easily configurable strategic positioning base. The innovative and clinical benefits of the pads and wedges allows the prescribing clinician to achieve a result on-the-spot whilst having the peace of mind that its able to change for future unseen posture changes.

Flex has a unique cover design which can change its shape. This ensures that once all the adaptations are done to the inner foam unit, the incontinence and outer covers are manipulated for a comfortable fit.



## CLINICAL APPLICATIONS

Excellent choice for individuals who:

- Have symmetrical or asymmetrical limited hip flexion
- Have internal hip rotation with tight hamstrings on one side
- Require pelvic and thighs pressure distribution due to asymmetric sitting posture
- Have changing postural needs over time
- Require a high degree of pelvic stability and specific contouring

## FUNCTIONAL

- Positioning base primarily accommodates lack of hip flexion up to 20° but due to its innovative positioning base it can support ruling out other associated deformities as pelvic obliquity, windsweeping, hip abduction, hip internal rotation with tight hamstrings and even lack of hip extension.
- Strategic positioning base, pads and wedges offer complete customisations on-the-spot for a perfect fit for the user
- Bevelled front edge allow for knee contractures
- The exceptional combination of top foam overlays guarantees pressure distribution throughout the complete surface
- Outer breathable cover and inner incontinence cover included
- Customisable for individual requirements such as higher thigh supports, leg length discrepancies, among others.



## FLEX CUSHION AND ITS INNOVATIVE POSITIONING BASE



Strategic positioning base offers on-the-spot customisations to accommodate even the most complex postural needs.



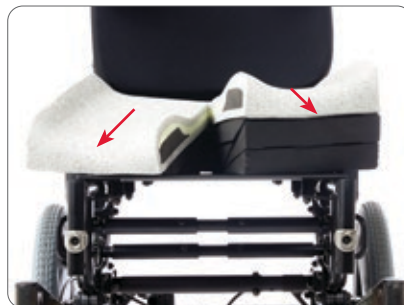
Asymmetric limited hip flexion is achieved by removing one or more frontal wedges from that side, depending on the angle required.



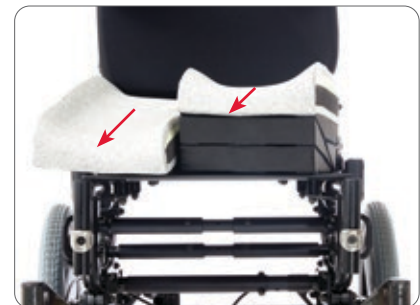
Lack of hip flexion on one side with lack of hip extension on the other is now possible to be compensated by changing the wedges from one side to the other. If pelvic obliquity is present, positioning pads provided with the cushion must be adjusted as well.



Symmetric limited hip flexion is achieved by removing one or more frontal wedges from both sides, depending on the angle required.



If hip abduction needs to be addressed, the frontal segments of the cushions can be pulled apart and locked in place with an additional wedge (provided).



If a moderate windsweeping needs to be accommodated, the frontal segments of the cushion can be slightly angled.

## CUSHION SIZE CHART

		Cushion Width (inches)												
Cushion Length (inches)		10	11	12	13	14	15	16	17	18	19	20	21	22
	12													
	13													
	14													
	15													
	16													
	17													
	18													
	19													
	20													
	21													
	22													

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.
- Standard Contour Flex Cushion is default option (as pictured). SuperHigh Contour available upon request (non-trial option).

## CUSHION DETAILS

Length	Height	Capacity	Trough Height (mm)		Product Weight
			Std	High	
14"-15"	4.7"	Width < 16" 200lbs (90kg)	30	50	(16x16)
16"		Width > 16" 350lbs (160kg)			1.5kg
17"-20"	5.1"				

## PRODUCT PERFORMANCE

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

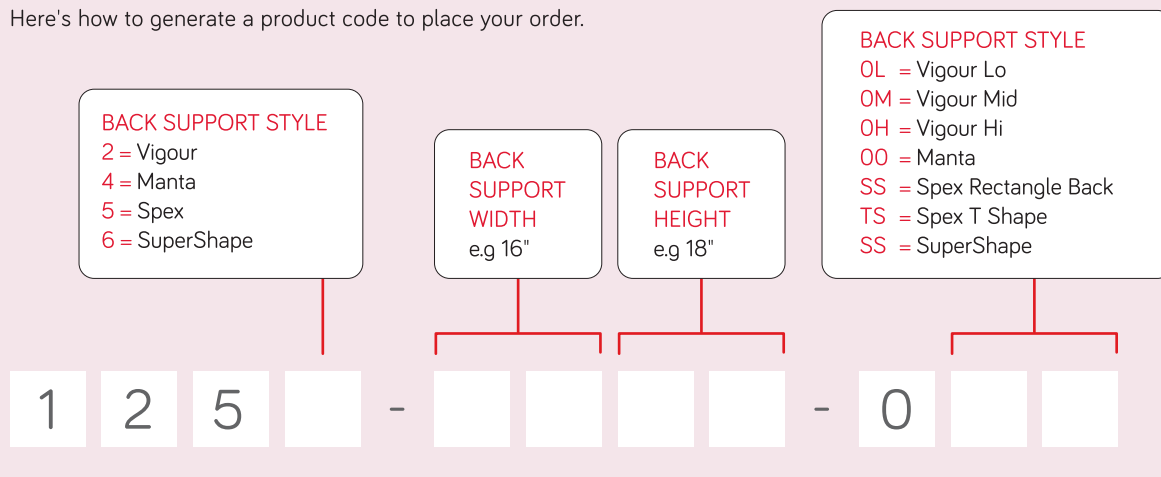
- Note: This is a guide only and ratings are dependent on correct use of product.



# Codes for Standard Sized Back Supports

## Our back support codes are meaningful!

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



### EXAMPLE

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

## Stand out from the crowd!

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

We offer 5 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

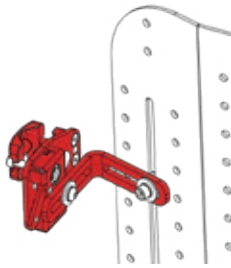
**SPARE OUTER COVERS** for any Spex back support are available for purchase. Refer to the Spex ordering and scripting guide for details, or get in touch with your local Spex distributor.

# Spex Back Support Hardware Options

## QUAD MOUNT (DEFAULT)

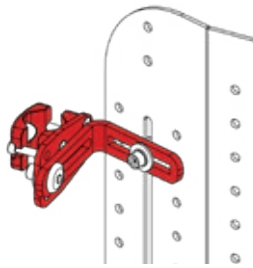
Quad Mount hardware is the default hardware option for Spex Back Supports and uses four independent points of attachment to the back support canes of the wheelchair for ultimate strength and lateral positioning. This hardware type offers 40mm of seat depth adjustment, and is available in three different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

### QUAD MOUNT (DEFAULT)



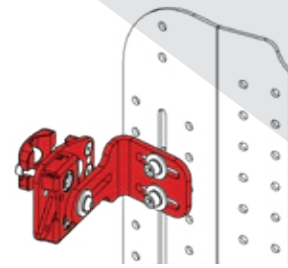
- Has a unique locking system that allows the back support to be removed easily
- Provides 10° of back support angle
- Weighs 0.9kg

### FIXED MOUNT



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

### HEAVY-DUTY QUICK-RELEASE



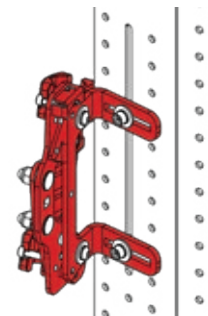
- Supports heavier users with stronger L-brackets
- Shares the benefits of quick release hardware
- Weighs 1.1kg

## 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.



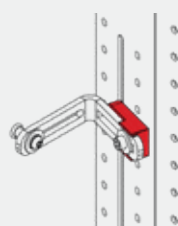
## BACK SUPPORT HARDWARE ACCESSORIES/ATTACHMENTS

### QUAD/SINGLE MOUNT WIDTH EXTENSIONS

Allows mounting of back supports up to 3" wider than the chair width, depending on the size of the back support. Cannot be used on Quad Mount HD.

- Weighs 0.1kg (set of 4)

1259-2490-100



### 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



# ZYGO

GO YOU

WHEELCHAIR BACK SUPPORTS

**ZYGO** back support by Spex gives you more comfort, flexibility, personalisation and freedom to move – enabling you to go places, achieve more, and be whoever you want to be.



- Four different shell styles: **Zygo Active Lo, Zygo Active Mid, Zygo Deep Lo** and **Zygo Deep Mid**.
- Invertible shell design (**Active** and **Deep**), so you can adjust your lateral height.
- Lightweight, self-locking hardware, with easy 'drop-in' installation onto wheelchair.
- Superior comfort and flexibility with breathable upholstery and padding design.







**GO** play that game. Go push those limits.

**GO** for that dream job.

**GO** shopping. Go out with friends.

**GO** have fun. Go and live your life to it's full potential.

**GO** you, knowing that Zygo's advanced back support system has got your back - wherever you go.

**GO** enjoy the freedom of technology that's more breathable, lightweight and easy to install, lock and remove.

**GO** all day (or night) with more comfort, more flexibility and more adjustability.

**GO** your own way, with more ways to customise your back support and accessories than ever before. So, wherever you go, your wheelchair reflects you.

**GO** break that record. Go get that degree. Go to the all-night party.

**GO** be your best you.

With Zygo, you can go for it. **GO YOU.**

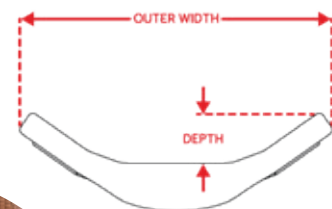
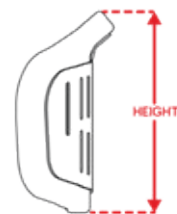
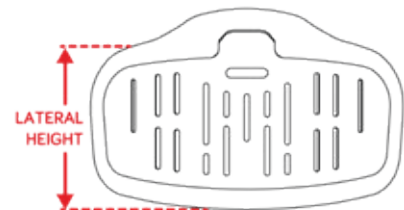


# Active Contour Lo Back Support



## ZYGO ACTIVE LO SIZE CHART

ZYGO SIZE	OUTER WIDTH	HEIGHT	DEPTH	LATERAL HEIGHT
12" x 7"	10.7"	7.8"	2"	7"
14" x 8"	12.7"	8.6"	2.3"	7.5"
16" x 9"	14.7"	9.8"	2.6"	8.4"
18" x 9"	16.7"	10.3"	2.8"	8.9"
20" x 11"	18.7"	11.5"	3.3"	9.9"



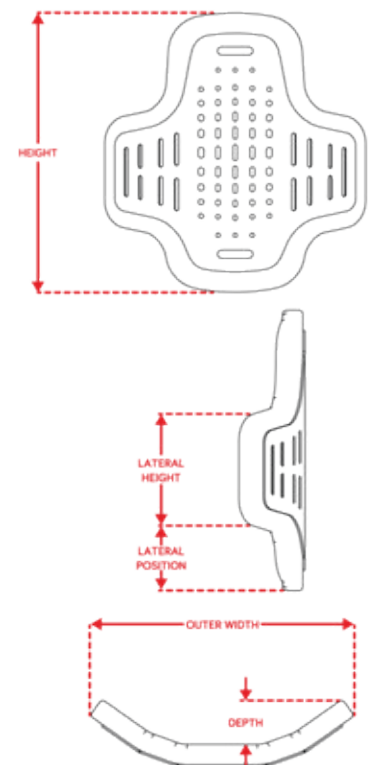


# Active Contour Mid Back Support



## ZYGO ACTIVE MID SIZE CHART

ZYGO SIZE	OUTER WIDTH	HEIGHT	DEPTH	LATERAL HEIGHT	LATERAL POSITION
10" x 9"	8.8"	9"	1.4"	4.3"	2.3"
10" x 11"	8.8"	11"	1.4"	4"	2.8"
12" x 10"	10.7"	10"	1.8"	4.8"	2.5"
12" x 12"	10.7"	11.5"	1.8"	4.9"	3.1"
12" x 13"	10.7"	12.5"	1.8"	5.3"	3.1"
14" x 13"	13.5"	13"	2.2"	6.6"	2.9"
14" x 15"	13.5"	15"	2.2"	6.1"	3.6"
14" x 16"	13.5"	16"	2.2"	6.1"	3.8"
16" x 14"	15.3"	14"	2.6"	7"	3.1"
16" x 16"	15.3"	16"	2.6"	6.3"	3.6"
16" x 17"	15.3"	17"	2.6"	7.2"	3.4"
18" x 15"	17.2"	14.5"	2.9"	7"	3.3"
18" x 17"	17.2"	16.5"	2.9"	6.6"	3.6"
18" x 18"	17.2"	18"	2.9"	6.6"	4.4"
20" x 15"	19"	15"	3.3"	7.4"	3.5"
20" x 18"	19"	17.5"	3.3"	6.7"	4.2"



## ZYGO ACTIVE HEIGHT OPTIONS

The ZYGO ACTIVE Back Support is available in two height styles: Lo to reach the lower-thoracic region and the Mid with a range of height options to reach the mid-thoracic or upper-thoracic region.



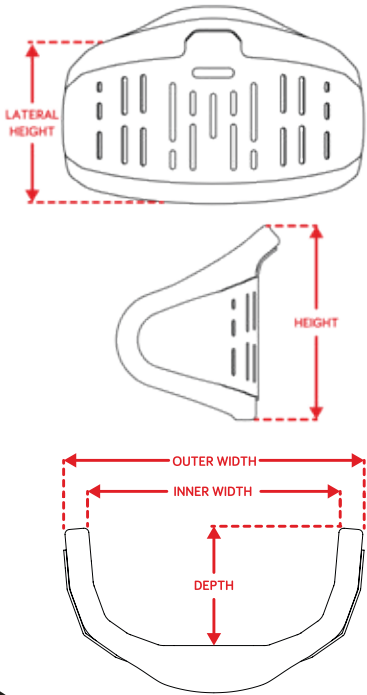


# Deep Contour Lo Back Support



ZYGO ACTIVE LO SIZE CHART

ZYGO SIZE	OUTER WIDTH	INNER WIDTH	HEIGHT	DEPTH	LATERAL HEIGHT
12" x 7"	10.5"	8.5"	7"	3.5"	6.2"
14" x 8"	12.5"	10.5"	8.2"	4.5"	7.4"
16" x 9"	14.7"	12.5"	8.8"	5.8"	7.8"
18" x 9"	16.7"	14.5"	9.4"	6.3"	8"
20" x 11"	18.7"	16.5"	10.6"	6.3"	8.5"



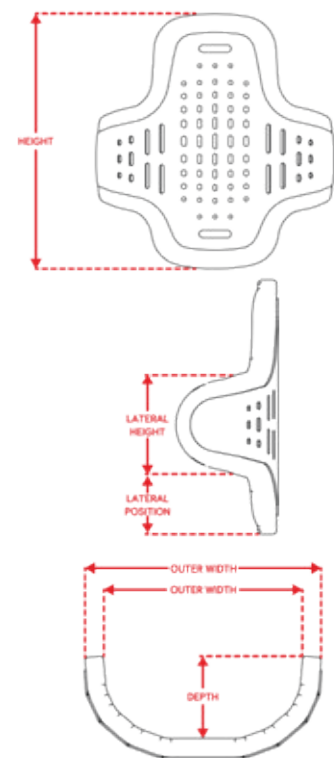


# Deep Contour Mid Back Support



ZYGO DEEP MID SIZE CHART

ZYGO SIZE	OUTER WIDTH	INNER WIDTH	HEIGHT	DEPTH	LATERAL HEIGHT	LATERAL POSITION
10" x 9"	8.8"	6.8"	9"	2.5"	4.3"	2.3"
10" x 11"	8.8"	6.8"	11"	2.5"	4"	2.8"
12" x 10"	10.8"	8.8"	10"	3"	4.8"	2.5"
12" x 12"	10.8"	8.8"	11.5"	3"	4.9"	3.1"
12" x 13"	11"	9"	12.5"	3.8"	5.3"	3.1"
14" x 13"	12.9"	10.5"	13"	3.6"	6.6"	2.9"
14" x 15"	12.9"	10.5"	15"	3.6"	6.1"	3.6"
14" x 16"	13.5"	11.2"	16"	4.7"	6.1"	3.8"
16" x 14"	15.1"	12.8"	14"	5.2"	7"	3.1"
16" x 16"	15.1"	12.8"	16"	5.2"	6.3"	3.6"
16" x 17"	15.2"	12.9"	17"	6"	7.2"	3.4"
18" x 15"	17"	14.7"	14.5"	5.7"	7"	3.3"
18" x 17"	17.3"	14.7"	16.5"	5.7"	6.6"	3.6"
18" x 18"	17.3"	14.9"	18"	6"	6.6"	4.4"
20" x 15"	19"	16.7"	15"	6.3"	7.4"	3.5"
20" x 18"	19"	16.7"	17.5"	6.7"	6.7"	4.2"





# Specifications

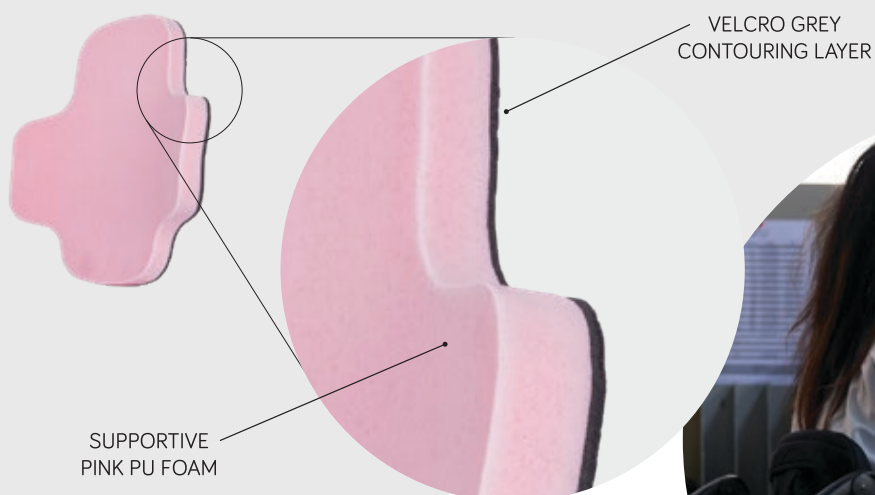
## PRODUCT DETAILS

ZYGO STYLE	WEIGHT	WEIGHT CAPACITY
ZYGO Active Lo	0.7kg	Maximum Occupant Weight: 136kg
ZYGO Active Mid	1.0kg	
ZYGO Deep Lo	0.9kg	
ZYGO Deep Mid	1.2kg	

- Note: This is the weight of a 16" wide back support and does not include the hardware. For hardware weight, refer to page 23.

## THICKNESS OF ZYGO BACK SUPPORTS

ZYGO STYLE	WIDTH	SUPPORTIVE PINK PU FOAM	VELCRO GREY CONTOURING LAYER	OVERALL THICKNESS (INCLUDING COVER)
ZYGO Lo	12" to 14"	20mm	6mm EVA	30mm
ZYGO Lo	16" to 20"	25mm	6mm EVA	35mm
ZYGO Mid	10" to 14"	25mm	3mm EVA	30mm
ZYGO Mid	16" to 20"	30mm	3mm EVA	35mm





# 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 LO

New invertible shell design means the Vigour Lo can be used either way up on the wheelchair. Sacral and lumbar height support allowing unrestricted upper body range of movement.

Designed for the individual who requires:

- A solid back support with the ability to self-propel
- Minimal postural support
- Improved spinal and pelvic positioning whilst maintaining propelling efficiency
- For clients that have mild torso asymmetries



## VIGOUR MID

Lightweight and designed for efficient propelling, with scapular subtractions for unimpeded arm function.

Designed for the individual who requires:

- A solid back support with the ability to self-propel
- 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
- For clients that have mild torso asymmetries

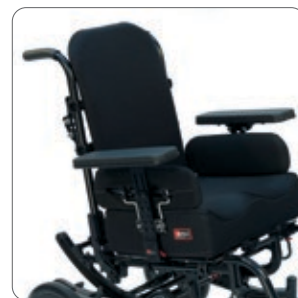


## VIGOUR HI

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



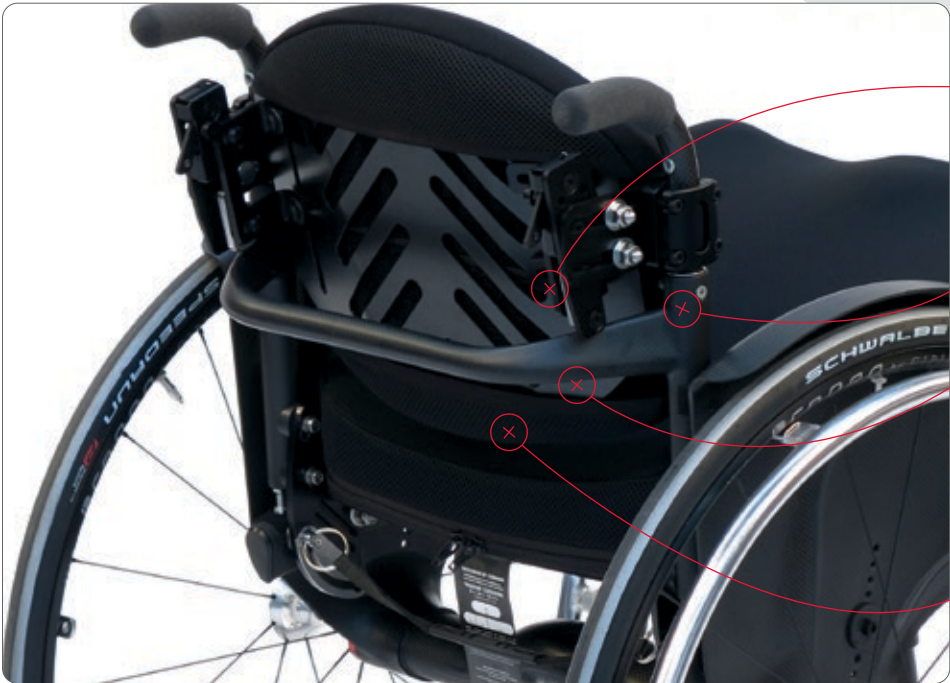
## MICRO-CUBE FOAM UPGRADE

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

Add laterals as required from our **LARGE MODULAR RANGE**

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

SIZE CHART



- 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
11"-15"	2.5"		Mid Back (16x16) 1.0kg
16"-17"	2.75"	300lbs (136kg)	Hi Back (16x16) 1.3kg
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 29.

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.

- Vigour Lo Back Support
- Vigour Mid Back Support
- Vigour Hi Back Support

# NEW Height-Adjustable Back Support

The newest back support shell style in the Spex range, retaining all the lightweight yet sturdy features of the Vigour and Spex Back Supports and incorporating inbuilt growth adjustment due to the unique shell style.

## THE BACK SUPPORT THAT STRETCHES FOR FUTURE GROWTH!

An innovative back support shell style retains all the lightweight yet sturdy features of the Vigour and Spex Back Supports yet incorporates inbuilt growth adjustment due to the unique shell style.

This growth system has an upper sliding interface and allows up to 4" / 10cm of additional growth adjustment meaning that from the initial wheelchair set-up the prescriber can rest assured that the back support can grow in height as the user grows. This is particularly effective for paediatrics

The foam and upholstery unit is matched for the longest growth setting meaning that you don't have to purchase different sizes of padding as the user grows.

The height-adjustable shell is available with the following padding options:

- Vigour foam: for users with symmetrical postures.
- Micro-cube foam: for users that require heat reduction and comfort
- Spex contourable cube padding: for users with asymmetries and require pressure reduction

## CLINICAL APPLICATIONS

Designed for the individual who requires:

- Future growth ability
- A specific height of back support (without the concern of purchasing a custom item)
- Multiple user applications or assessments
- Users pending surgery with ongoing changes to their wheelchair seating

## FUNCTIONAL

- When a wheelchair user grows, this is typically predominantly in height more than in width
- Foam padding follows adjustments made
- Available in sizes to fit 10" to 18" wheelchairs
- Available with Vigour, Micro-cube and Spex foam padding
- Height adjustment can be done on the spot without additional parts required

## 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



## HARDWARE ADJUSTMENTS



Height adjustment feature



Padding tucks under back support when at lower height range

Padding extends with back support when height is extended

## QUAD MOUNT WIDTH-ADJUST BRACKETS



For narrow width wheelchairs



Quad mount width-adjust brackets (can also be used with single mount hardware). Enables back support to be mounted on a greater variety width of wheelchairs. Allows 60mm narrower width adjustment overall.

1259-2490-100



		Wheelchair Width (inches)								
		10	11	12	13	14	15	16	17	18
Back Support Height (inches)	12									
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									

## PRODUCT CODES

To order the correct product using the code guide on page 28, Back Support Width is the size shown across the table, and Back Support Height, shown on the left, is the first size shown in the shaded area.

## EXAMPLE

To order a 14" wide by 18" high support, you can order either 1414 or 1416, depending on the adjustability required.



# Manta Back Support

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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





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

Solid back support with integrated **ADJUSTABLE LATERAL SUPPORTS**

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

## SIZE CHART

		Wheelchair Width (inches)								
		12	13	14	15	16	17	18	19	20
Wheelchair Height (inches)	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)	<b>2.2kg</b>

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 29.

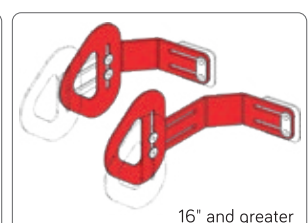
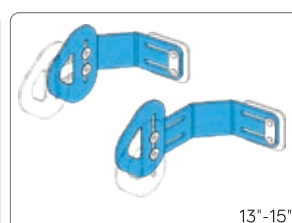
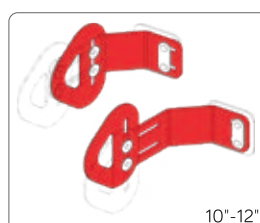
## PRODUCT PERFORMANCE

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

W/C Width	Size	Depth Adjustment	Height Adjustment
10"-12"	0	57 mm	30 mm
13"-15"	1	50 mm	30 mm
16" +	2	78 mm	40 mm



# Comfi Back Support

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The Comfi back support foam system was developed to provide a simplistic approach to basic contouring needs while coupling this with Spex Air-Flow technology. Skin breakdown is most often caused by three combined extrinsic factors: Pressure, shear and moisture.

## CLINICAL

- Designed for the individual who requires a solid back support to assist with mild to moderate postural needs
- Ideal to assist clients who may need pressure relief in identified areas
- The cut grid shape and configuration creates a mild suspension effect which provides comfort and increases sitting tolerance
- Suitable for geriatric users who need comfort, minor shaping and pressure-relieving back surface

## FUNCTIONAL

- Comfortable pressure reducing foam surface layer to absorb bony prominences.
- Cubes allow tear-off function to remove pressure areas
- Dual-layer cover reduces shear forces
- Breathable air-mesh on back support sides counters moisture and temperature
- Swap out the upholstery unit at any future point to full Spex contouring system if required, utilising the same shell and mounting hardware.

## TEAR OFF CUBES

Ability to accommodate bony prominences or to relieve tender spots or lesions. Moulds without resistance to both concave and convex flexion.



## INSTANT IMMERSION

Auto-conforming of the foam support unit through the combination of thermosensitive foam and cube technology.





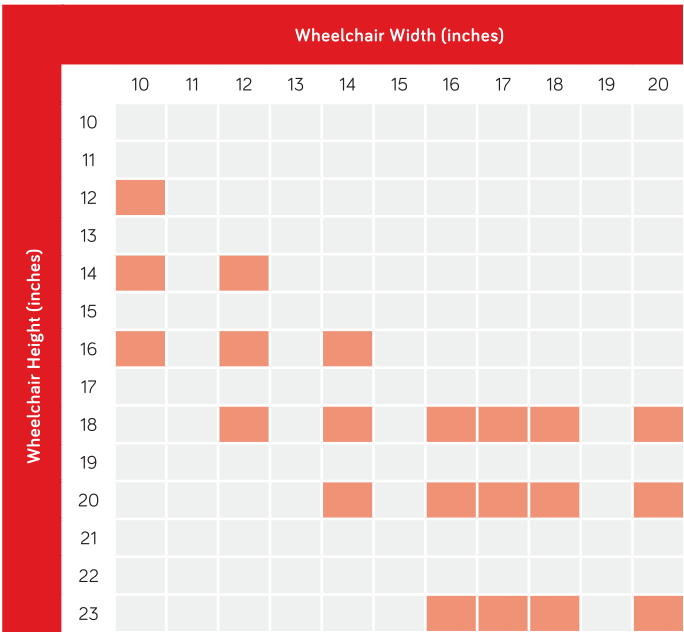
Tear-off padding to assure **PRESSURE RELIEF** in identified areas

**SMOOTH CONTOURING** surface

**BREATHABLE CUBES** increase air flow through the back support offering daily comfort

Soft memory foam overlay to provide **COMFORT AND PRESSURE REDUCTION**

SIZE CHART



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

PRODUCTS DETAILS

Width	Capacity	Product Weight
10"-15"	200lbs (90kg)	(16x16)
16"-20"	350lbs (160kg)	0.6kg

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 29.

PRODUCT PERFORMANCE

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

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



# Spex 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

## SIZE CHART

		Wheelchair Width (inches)										
		10	11	12	13	14	15	16	17	18	19	20
Wheelchair Height (inches)	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)
16"-20"	300lbs (136kg)	<b>1.7kg</b>

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 29.

## 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 incorporates into the upholstery unit of the backrest. 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).



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

## FOR MILD BONY PROMINENCES

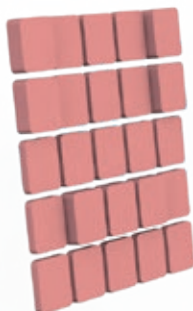
Without even adjusting the cube system, the Spex back support has slight contouring and integrates a comfortable pressure reducing foam surface layer to absorb mild bony prominences and asymmetries for uniform torso contact.



Showing front pressure-reducing surface

## FOR IMMERSION

For individuals that require immersion into the backrest, 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



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**.

Top of back

Left side of user

PRIMARY LAYER

Top of back

Right side of user

MIDDLE LAYER

Top of back

Left side of user

REAR LAYER

## EXAMPLE

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

Top of back

Write the number of PINK(P) foam pads

If no pads are inserted

If it's a shorter back height with less pockets, cross the bottom ones out.

Left side of user

If a positioning wedge is used, mark the area.

If it's a Pediatric back with less pockets, cross the outer ones out.

2P	1P	1P	3P	2P
2P	0	2P	3P	2P
0	1P	2P	2P	2P
1P	1P	2P	2P	2P
1P	1P	2P	2P	2P
X	X	X	X	X
X	X	X	X	X



# 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:

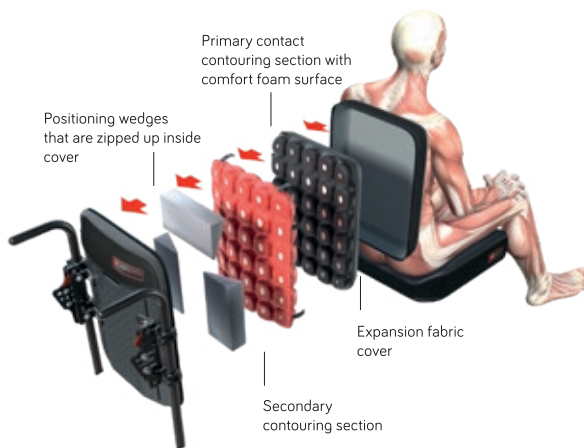
- Has complex postural needs
- Has significant spinal or trunk asymmetries
- Has protruding skeletal prominences
- Risks skin breakdown and has pressure care requirements
- Requires greater immersion into back support for stability and comfort
- Requires torso pain reduction

## 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.



# 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, hyperlordosis
- Angle, depth and height adjustable
- Breathable, 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 off-the-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.

## SIZE CHART

		Wheelchair Width (inches)										
		10	11	12	13	14	15	16	17	18	19	20
Wheelchair Height (inches)	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)
16"-20"	300lbs (136kg)	<b>2.2kg</b>

- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 29.

## PRODUCT PERFORMANCE

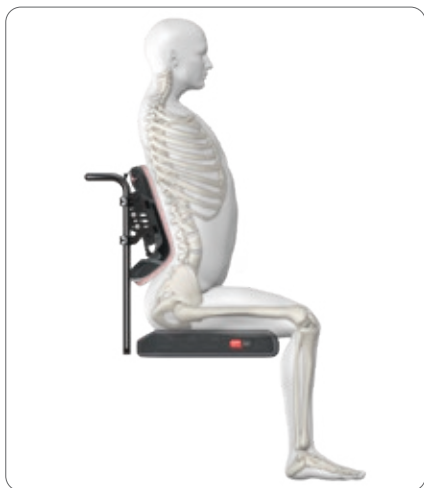
Postural Control					5
Lateral Stability					5
Postural Asymmetries					5
Changing Needs					5
Pressure Care					5

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



# Adapta<sup>2</sup> Back Support

The Adapta<sup>2</sup> Back Support meets the needs of wheelchair users with complex postural presentations including Lordosis, Anterior Pelvic Tilt, and prominent gluteal shelf. The back support splits the rigid aluminium shell into two different sections that can be adjusted to achieve a natural contour to position and support the pelvis and spine. The Adapta<sup>2</sup> Back Support can provide the shape needed to support the user by contouring the rigid aluminium shell, rather than the foam padding.



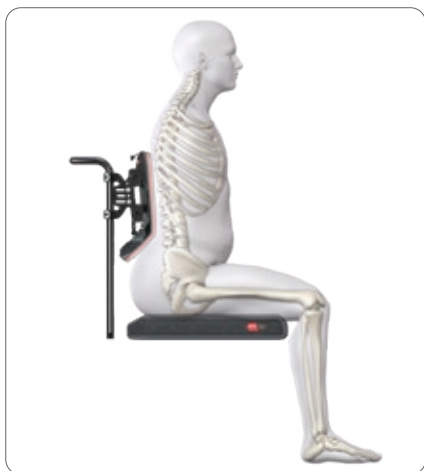
## CLINICAL

Designed for the individual who:

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

## FUNCTIONAL

- Provide effective positioning through the adaptive Profile Curvature System that contours to the shape of the individual.
- Strong aluminium shell composed of two sections which can be adjusted independently from one another.
- Soft yet supportive thin-line foam padding combined with breathable upholstery conforms to its section to provide superior comfort and postural support.
- Increased positioning can be achieved through use of the additional wedges included in the kit. Extra contouring can be achieved using the TSS Lite Kit accessory.
- All adjustments can be made while the wheelchair user is seated, avoiding the need to transfer out of the chair.

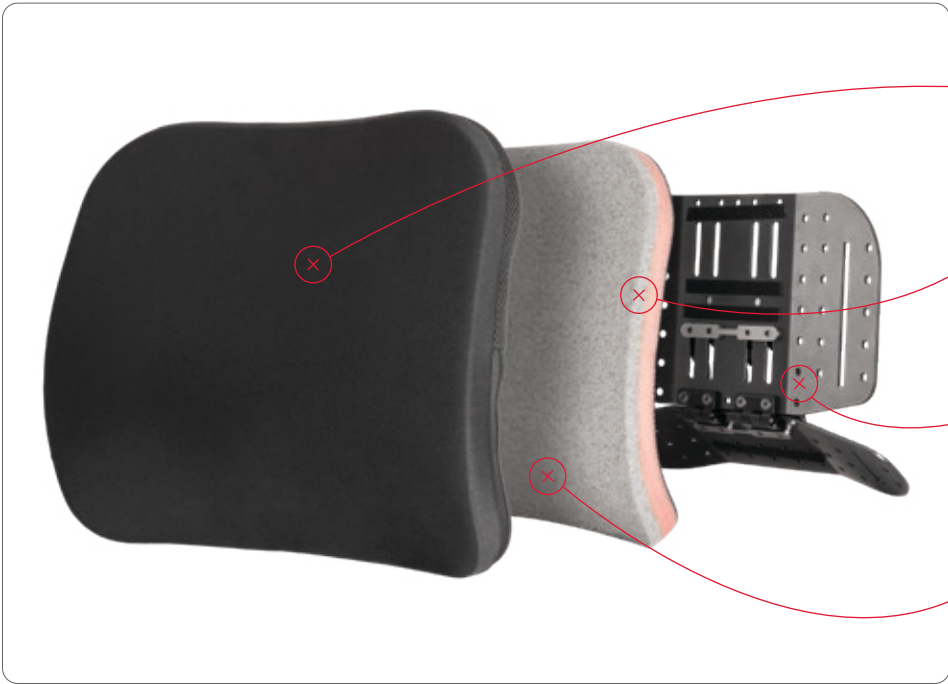


## POSITIONING WITH LESS COMPLEXITY



## THIN-LINE FOAM PADDING





Split into **TWO SECTIONS** that can be adjusted independently from one another.

Soft yet supportive **THIN-LINE FOAM PADDING** provides superior comfort and postural support.

Match trunk profile with **ADAPTA-POINTS** to provide effective positioning to the individual.

The adjustment in angle provides the **FLEXIBILITY** to accommodate moderate to complex spinal curves.

SIZE CHART

Wheelchair Width (inches) (WW)				
Back Support Height (inches) (HH)	14	16	18	20

PRODUCT DETAILS

Product Weight	Weight Capacity	Angle Adjustment Capability (Bottom)	Overall Thickness (Including Cover)
(16x15) 1.6kg	136kg	40° Anterior & 60° Posterior	35mm

- Note: This is the weight of the back support and does not include the hardware. For hardware weight, refer to page 31.

# Adapta<sup>3</sup> Back Support

The Adapta<sup>3</sup> Back Support meets the needs of wheelchair users with complex postural presentations including anterior pelvic tilt, lordosis, posterior pelvic tilt, and kyphosis. The back support splits the rigid aluminium shell into three different sections that can be individually adjusted to achieve natural contours to position and support the pelvis and spine. The Adapta<sup>3</sup> Back Support can provide the shapes needed to support the user by contouring the rigid aluminium shell, rather than the foam padding.



## CLINICAL

Designed for the individual who:

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

## FUNCTIONAL

- Provide effective positioning through the adaptive Profile Curvature System that contours to the shape of the individual.
- An additional height-adjustable section providing even greater contouring opportunities for more complex postures.
- Top Adapta-Point on all sizes can adjust up to 2 inches of additional height.
- Soft yet supportive thin-line foam padding combined with breathable upholstery conforms to its section to provide superior comfort and postural support.
- Increased positioning can be achieved through use of the additional wedges included in the kit. Extra contouring can be achieved using the TSS Lite Kit accessory.
- All adjustments can be made while the wheelchair user is seated, avoiding the need to transfer out of the chair.
- Available with a flip-back upper section (and head support if attached) which swings away to aid with transfers for kyphotic clients, giving easy access for slings and other aids.



## POSITIONING WITH LESS COMPLEXITY



## HEIGHT ADJUSTABLE TOP SECTION





Split into **THREE SECTIONS** that can be adjusted individually in angle and in height.

**HEIGHT ADJUSTABLE** top section to anatomically match spinal curves.

Soft yet supportive **THIN-LINE FOAM PADDING** provides superior comfort and postural support.

Match trunk profile with **ADAPTA-POINTS** to provide effective positioning to the individual.

SIZE CHART

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

- Adapta<sup>3</sup> Back Supports have an additional 2" of padding length to accommodate adjustments.

PRODUCT DETAILS

Product Weight	Weight Capacity	Angle Adjustment Capability (Top)	Angle Adjustment Capability (Bottom)	Overall Thickness (Including Cover)
(16x18) 2.6kg	136kg	40° Anterior & Posterior	40° Anterior & 60° Posterior	35mm

- Note: This is the weight the back support and does not include the hardware. For hardware weight, refer to page 31.





# Tessellated Positioning Kit

Spex has taken the concept of a tessellation, and applied this method to create contours for seating and positioning. This system can be added to any back support from the Spex range for additional contouring behind the existing upholstery padding.



**STACK AND CONFIGURE** the shapes according to the user's needs

Positioning pack includes a number of different tessellations in **VARYING FOAM DENSITIES**

Developed to be placed **BEHIND THE BACK SUPPORT SQUAB** (in front of the seat shell)



## CLINICAL

Tessellated upgrade system can be used:

- To assist clients with mild postural needs when using a standard back support with flat padding
- In all situations where a supportive build-up foundation may be beneficial to assist positioning and comfort
- To improve sitting posture and enhance function (e.g. Creating sacral/lumbar supports)

## FUNCTIONAL

- Upgrade Vigour, Manta or Spex back supports in order to maximize stability, positioning, and seating tolerance
- Different densities are colour-coded for easy application  
Black = Firm density  
Grey = Medium density  
Blue = Softer density



## SIZE CHART

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

## DETAILS

Product Weight
(16x16)
0.6kg

- Red squares are standard sizes.
- Non-standard or custom sizes are available on request.
- Elements kit only for mounting directly to back shell - 1250-3959-000

# NEW 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

## TRAVEL 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 degree hangers	80 and 90 degree 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

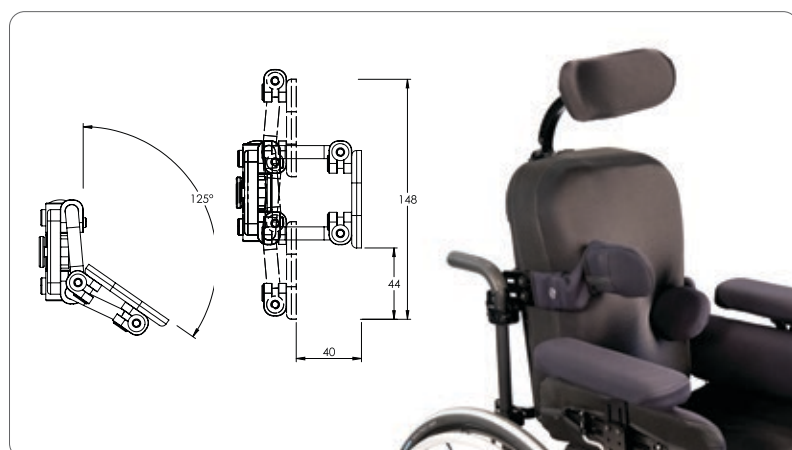
- Super comfortable pressure-reduction padding for moulding to user shape
- Removable and washable covers
- Brackets are adjustable in all planes: height, width, depth and lateral angle for ultimate trunk orientation
- Spex brings you modular creativity! Mix and match with different pad combinations
- 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 0.45 kg, and approx. lateral pad weight is from 0.05 to 0.3 kg

## OPTIONS

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

## 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

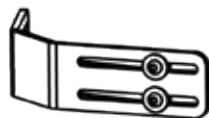


Anatomical full-curve  
**NATURAL-LATERAL** technology  
for optimum fitting to body shape

Comfort to new levels with  
**PRESSURE-REDUCING** layer

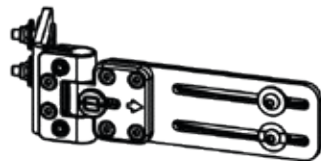
Huge pad range to provide the exact  
**SNUG FITTING** comfort that's required  
(refer Page 46)

## FIXED LATERAL HARDWARE



Options (Add pad, shown on Pg 46)	Depth Adjustment	Code
Fixed Bracket	55 mm	1266-2101-100
Paediatric Fixed Bracket	40 mm	1266-2111-100

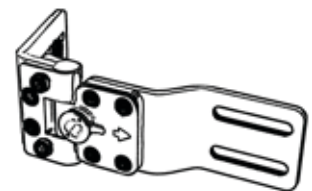
## SWING-AWAY LATERAL HARDWARE



Options (Add pad, shown on Pg 46)	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



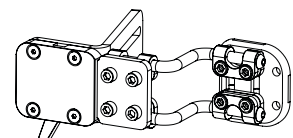
Options (Add pad, shown on Pg 46)	Offset	Code
Swing-Away, offset bracket	20 mm	1266-2203-100
Swing-Away, offset extended bracket	40 mm	1266-2204-100

## AXIAL LATERAL HARDWARE



Options (Add pad, shown on Pg 46)	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 46)	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

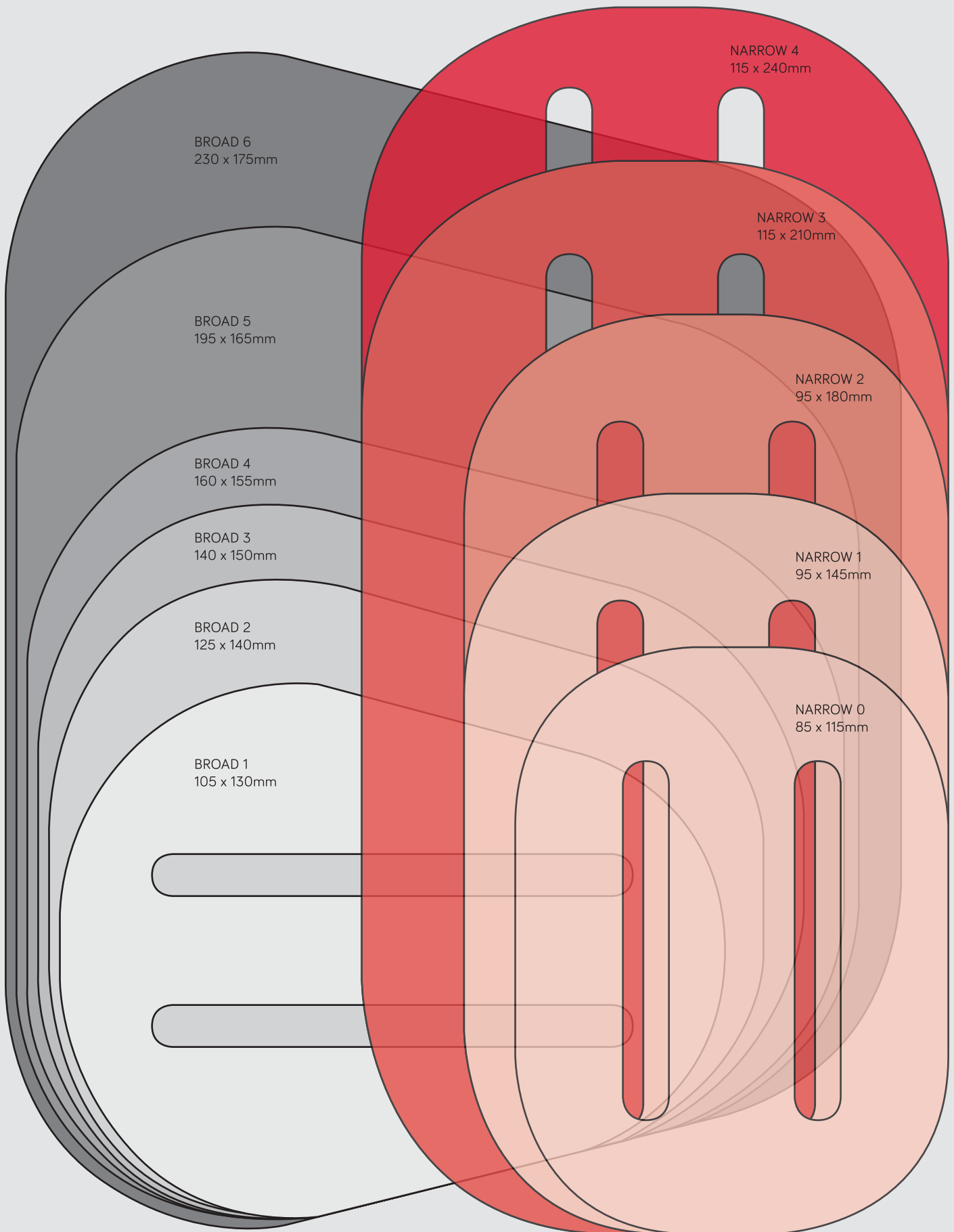


### BROAD

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 been 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

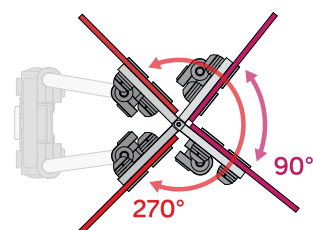


STANDARD



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

## LIFE-SIZE LATERAL TEMPLATE

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

SIZE 8  
265 x 195mm

SIZE 6  
215 x 195mm

SIZE 4  
165 x 175mm

BIANGULAR HINGE

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!





## 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, Grid-Base Seat Pan, 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, Grid-Base Seat Pan, 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.

# Seat Base

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



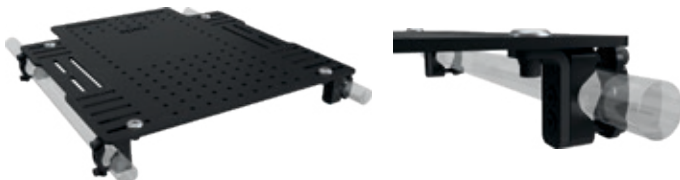
## QUICK-RELEASE

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

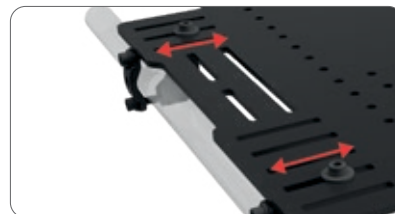
## FUNCTIONAL BENEFITS



**USER & 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

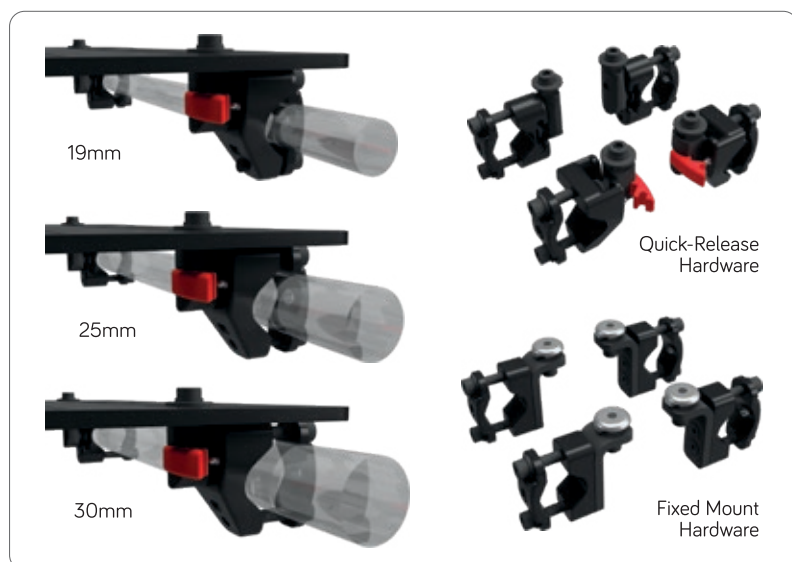


**CLINICALLY CORRECT POSITIONING AND STABILITY**  
Provides stability and a solid foundation



## 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												
		10	11	12	13	14	15	16	17	18	19	20	22	
Seat Base Length Height (inches) Replace LL when ordering	12													
	13													
	14													
	15													
	16													
	17													
	18													
	19													
	20													
	21													
	22													

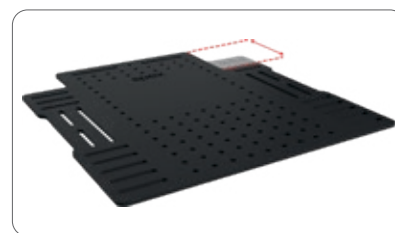
## SEAT BASE ACCESSORIES & CUSTOMISATIONS



### 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.

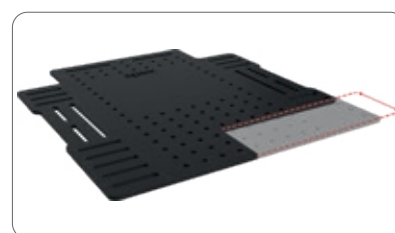
1008-0250-100



### 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

## 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

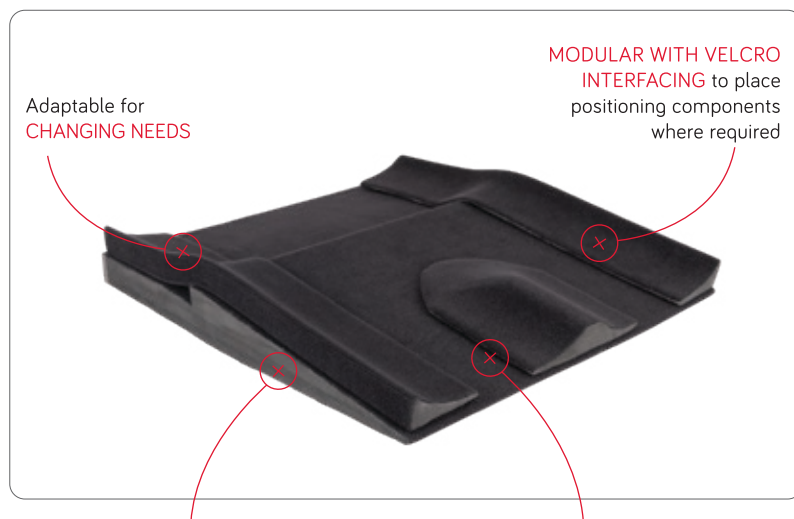
SEAT BASE SIZE	10-15"	16-20"
MAXIMUM USER WEIGHT	90kg (200lb)	180kg (400lb)
HARDWARE STYLE	QUICK-RELEASE	FIXED MOUNT
SEAT BASE WEIGHT (16X18" / 40X45CM)	2.4kg	2.3kg



# Universal Positioning Bases

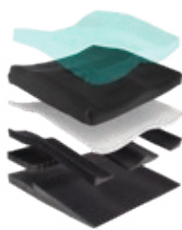
Traditionally, it has been difficult to meet clinical requirements for wheelchair users with pelvic and postural requirements when seated on pressure care cushions. The Universal Positioning Base solves these challenges by insertion under the air or gel cushion to configure the base system as per the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

## ENHANCED POSITIONING OUTCOMES UNDERNEATH AIR AND GEL CUSHIONS

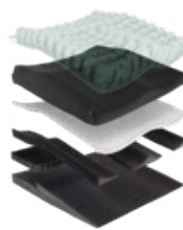


Can be **INSERTED INTO** the existing cushion cover where suitable depending on caregiver requirement.

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



POSITIONING FOR GEL CUSHIONS



POSITIONING FOR AIR CUSHIONS

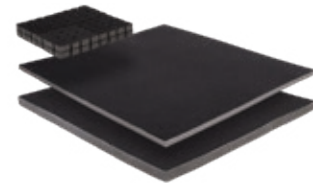
Base Width (inches)		14	15	16	17	18	19	20
Base Length (inches)	14							
	15							
	16							
	17							
	18							
	19							
	20							



CAN BE CUT AND TRIMMED

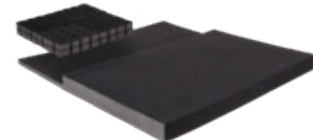
- To order Base Options and Accessories replace **WW** in the code with Width and **LL** with Length

### BASE OPTIONS



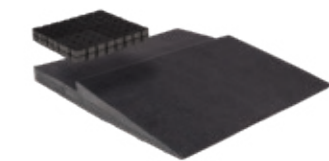
#### CUSHION SPACER KIT

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



SPEX - CLINICAL WHEELCHAIR SEATING

# 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

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 160mm (Stylo 160) or 260mm (Stylo 260) available. Improved ball mount design allows incredible range of angle adjustment, with total adjustment possible up to 270°.

## 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.



# Stylo 160

For the simple, yet adjustable and 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 an available 45° of pitch; 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 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
PITCH	45° of head support pad in all directions within the ball joint. The ball joint is also on a hinge which offers an additional 180° in up and down angle
WEIGHT OF STYLO STEM	745 grams



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 an available 45° of pitch; 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
PITCH	45° of head support pad in all directions within the ball joint. The ball joint is also on a hinge which offers an additional 180° in up and down angle
WEIGHT OF STYLO STEM	830 grams



HORIZONTAL FORWARD  
ADJUSTMENT

VERTICAL ADJUSTMENT  
IN MECHANISM

VERTICAL ADJUSTMENT  
IN STEM

SIDEWAYS ADJUSTMENT

PITCH



# Head Support Pads

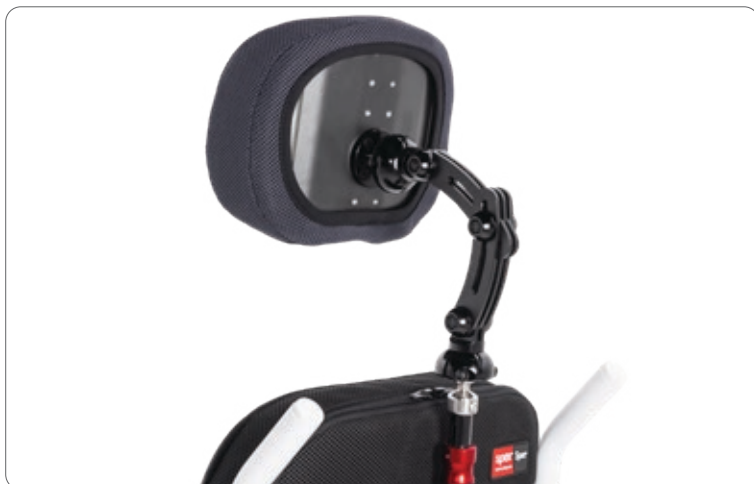
## THE SPEX HEAD PAD ADVANTAGE

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. Aluminum 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.



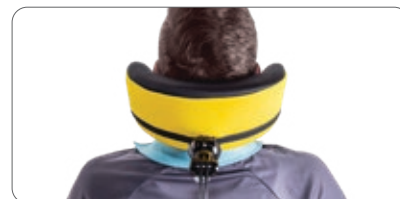
### CONTOUR

Contoured shaped pad for superior occipital and suboccipital support.



### STANDARD LATERAL

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



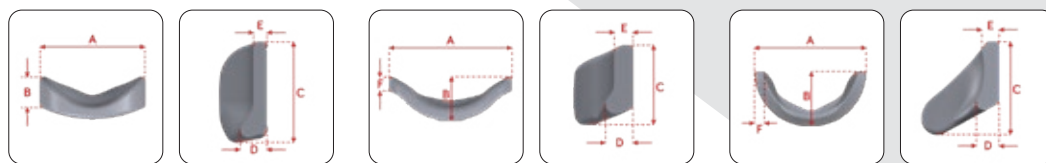
### EXTENDED LATERAL

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

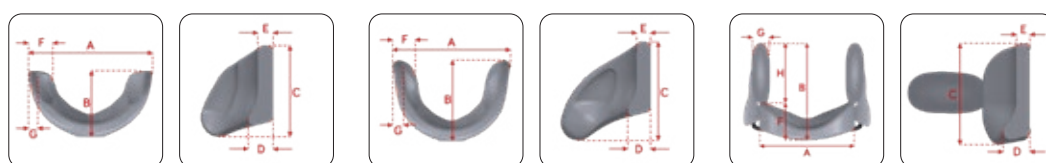


### ADJUSTABLE LATERAL

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	380g	640g
Width (A)	175mm	220mm	260mm	340mm	280mm	350mm
Depth (B)	55mm	70mm	90mm	120mm	140mm	170mm
Height (C)	145mm	185mm	125mm	165mm	165mm	210mm
Bottom Thickness (D)	45mm	60mm	45mm	60mm	35mm	50mm
Top Thickness (E)	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
Width (A)	220mm	250mm	230mm	260mm	175mm	220mm
Depth (B)	180mm	145mm	160mm	180mm	55mm	70mm
Height (C)	150mm	170mm	180mm	190mm	145mm	185mm
Bottom Thickness (D)	50mm	60mm	50mm	60mm	45mm	60mm
Top Thickness (E)	40mm	45mm	40mm	45mm	25mm	30mm
Thickness (F)	55mm	60mm	50mm	60mm	55mm	70mm
Thickness (G)	30mm	30mm	35mm	35mm	40mm	40mm
Lateral Wing Length (H)	-	-	-	-	155mm	155mm

# Medial Thigh Support

The Spex medial thigh support is a wedge shape that can be attached to the front of the wheelchair seat. It should be used to keep the user's legs in the correct position to maintain a neutral pelvis. Provides a comfortable yet firm knee and medial thigh support through a soft padding and removable washable cover.



## CLINICAL

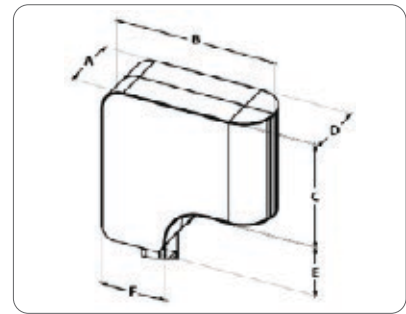
- Should be used with clients who experience a variety of movement disorders, fluctuating muscle tone, spasticity or contractures
- Assists to align the heads of the femurs with the acetabulum providing symmetrical hip abduction for proper posture
- Abduction allows equal weight bearing through both ischial tuberosities and thighs, thus permitting better pressure distribution
- Provides a wider, more stable support base for the upper body while limiting contractures and deformities that could interfere with function
- In hip dysplasia cases, luxation or dislocation; provides comfort and reduces pain
- Not to be used as a way to prevent or limit forward sliding. Should be installed clear of the groin area

## FUNCTIONAL

- Depth adjustable convenience combined with flip down hardware, which can then pull off the mount to allow an unimpeded transfer (pull-off feature can be locked with a bolt if not required)
- Easy access release hardware which can be mounted to a seat pan
- Huge height range for high profile cushions

Pad Style	Pad Size	Code	A	B	C	D	E	F
Standard	1	1162-1501-000	60 mm	145 mm	95 mm	40 mm	40 mm	65 mm
"	2	1162-1502-000	60 mm	155 mm	100 mm	60 mm	50 mm	65 mm
"	3	1162-1503-000	60 mm	185 mm	105 mm	60 mm	60 mm	75 mm
Axial-Adjust	1	1162-1601-000	70-140 mm	145 mm	95 mm	50-120 mm	40 mm	65 mm
"	2	1162-1602-000	70-140 mm	155 mm	100 mm	60-140 mm	50 mm	65 mm
"	3	1162-1603-000	70-160 mm	185 mm	105 mm	60-140 mm	60 mm	75 mm

## PAD OPTIONS



### STANDARD PAD

Refer table below for size options.

Approx. weight is from 0.8 to 1.1 kg



### AXIAL-ADJUSTABLE PAD

Shown below without cover. Unique expansion fabric cover allows multiple adjustments.

Offset and swivel for asymmetric positions. Infinite adjustments.

Approx. weight is from 0.95 to 1.25 kg

# Head Support

Provide adequate neck and head control simply with the Spex head support system. Clever use of twin ball-joints means the head pad can be orientated to where the optimal support is needed.



## FUNCTIONAL

- Softly padded foam inner head support, with supple upholstery covers
- Powerful clamp mechanism allows super-quick release and prevents lateral movement
- Extra strong and non-wobbly hardware
- No protruding bar at rear. Carer-friendly design doesn't harm anyone pushing the wheelchair
- Goose-necked stem permits additional fine-tuning, forward and rearward
- Select mechanism from either Standard (20 cm/8" forward range) or Zoom for extended reach (28 cm/11" forward range).
- Approx. head support weight is from 1.2 to 2.05 kg



Pad Style	Pad Size	Pad Width	Pad Height	Pad & Std Mechanism	Pad & Zoom Mechanism
Compact	-	250 mm	100 mm	1270-4131-000	1270-4231-000
Square	Small	200 mm	160 mm	1270-4111-000	1270-4211-000
"	Large	240 mm	200 mm	1270-4112-000	1270-4212-000
Contoured	Small	285 mm	115 mm	1270-4121-000	1270-4221-000
"	Large	340 mm	165 mm	1270-4122-000	1270-4222-000
Adjustable Lateral	Small	200 mm	160 mm	1270-4141-000	1270-4241-000
"	Large	240 mm	200 mm	1270-4142-000	1270-4242-000
Comfi	Standard	270 mm	150 mm	1270-4151-000	1270-4251-000
	Extended	270 mm	165 mm	1270-4152-000	1270-4252-000

## SUPPORT PAD OPTIONS



### COMPACT

Basic, compact head support for clients with good head control.



### SQUARE

Unobtrusive yet provides good contact support.



### CONTOURED

Offers close lateral and occipital support for clients with reduced head control.



### ADJUSTABLE LATERAL

Lateral wings of the head support can be adjusted and locked at the desired position.



### COMFI

Posterior head pad with extra support on the sub-occipital area to promote head positioning and encourage alignment

Coloured options available to match cushion/back supports. See page 19 for colours available.



# 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 sideguards 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 & ARM SUPPORTS



- Quick Release



- Flip-Down. Facilitate easy transfers

## ARM SUPPORT CHOICES ANGLE & 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

# NEW Spex Wheelchair Padding

## 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° & 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



# 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 backrest 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 backrest 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




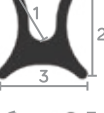
# Anterior Trunk Positioning

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	Size	Height	Calf Strap Code
10"	50 mm	1402-6170-017	17"	90 mm	1402-6174-017
12"	50 mm	1402-6171-017	18"	110 mm	1402-6175-017
14"	70 mm	1402-6172-017	20"	130 mm	1402-6176-017
16"	90 mm	1402-6173-017	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



# Break the mould!



Wheelchair user in her previous custom moulded seating system.

Spex has developed a modular approach to enable the most complex postures to be assessed and fitted with an off-the-shelf seating solution.

In the early beginnings of Medifab, we carved and moulded foam seating systems around the client's shape. This was laborious work and took many fitting sessions to get right. It was difficult to achieve postural

**"Spex truly changes lives – therapists included"**

outcomes as the clients positioning needs kept changing daily.

Striving for a modular and easier approach, Spex methodology has disrupted the custom moulded seating industry. The patented intuitive shape and contouring technology together with finely adjustable hardware has allowed wheelchair users

with asymmetrical body positions who are typically immersed into a moulded foam seating system to experience the relief of sitting in a seating system that not only still offers a match for their shape, but enhanced comfort, temperature control and the ability to infinitely modify the system after the first set-up.

Spex truly changes lives – therapists and clinicians included as the Spex adjustable system allows carers and therapists to customise Spex to their client's individual postural needs, making daily discomfort a thing of the past.

**"Spex methodology has disrupted the custom moulded seating industry"**



Contouring the seating system with the patented contouring pockets.



Now fitted with Spex after a single appointment.





## Our culture

We are driven by a single-minded purpose – to bring comfort and functionality to people living with disabilities. Every day, we work towards our mission: 'shaping better lives'. And our values are embedded in everything we do.

## Our values



### LOYALTY

We're committed to the company, team and every one of our customers.



### INTEGRITY

We uphold the strongest moral and ethical principles every day.



### VICTORY

We achieve and succeed in everything we do.



### ENTHUSIASM

We're passionate about shaping better lives.



### SOLUTIONS

We're creative, forward thinking solution-finders.



# medifab

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