

# spex

Shaping Better Lives



**CLINICAL  
WHEELCHAIR  
SEATING**



[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.

We design and manufacture 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 in Australia.



spex



# A culture of going 'the extra smile'.

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 underpin everything we do.



Graham Mascull

Australian Manager



Joana Santiago, BSc OT

Head of Clinical Education

## Our company values

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### 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.



### VISIONARY THINKING

Innovation sits at the heart of our company. We lead rather than follow, to seek out new and visionary ways to re-shape our industry.



### EXCELLENCE

We're committed to shaping a culture of excellence, empowerment, collective contribution and accountability, to provide exceptional service and products.



### SOLUTIONS

We're creative, forward thinking solution-finders.

At Medifab, we specialise in comfort and functionality for those living with disabilities and medical conditions in simpler terms, we 'shape better lives'. You may wonder how we do it. We also specialise in Complex Rehabilitation Technology (CRT) equipment and this enables us to make a positive difference.

We understand that the best way to implement lasting change is to provide individuals with the equipment they need to stay active, comfortable and functional within their homes and communities. With knowledgeable staff and maximising the latest innovations, our breakthrough CRT products play a critical role in helping those less able to tackle their daily physical and functional challenges with comfort and ease.

Our world-leading equipment includes strollers and pushchairs, indoor seating, car seats and harnesses, standing and walking aids, beds, sleep systems, and therapy equipment.

Shaping better  
lives worldwide  
through clinically  
proven modular  
wheelchair  
seating.





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# BINGO Spex Stroller

## A breakthrough in rehabilitative stroller seating.

The BINGO Spex Stroller 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 BINGO Spex Stroller 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.



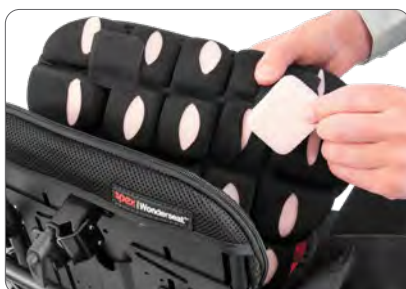
### PELVIC OBLIQUITY BUILD-UP

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.



# BINGO Spex Stroller

A smart-looking stroller that enables parents to take their child outside and explore!  
(A sun canopy is included in the package.)



Adjustable suspension system.



Adjustable recline, seat tilt and elevating footplate.



## 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

## SUPERIOR COMFORT AND STYLE

With a wide range of coloured seating options to choose from, the BINGO Spex Stroller 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.



BLACK  
-099

BUMBLEBEE  
-044

CALYPSO  
-028

CHILLI  
-022

GRANITE  
-090

LEAF  
-054

MANGO  
-030

OCEAN  
-060

ROYAL  
-077

### BINGO SPEX TECHNOLOGY

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

### OPTIONS

- Hip belt positioning
- Anterior chest supports
- 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

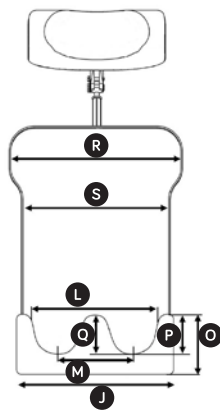
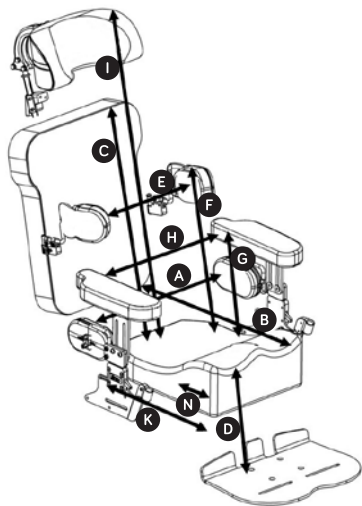
- Ventilator tray for respiratory equipment
- Feet sandals

- Height-adjustable indoor base
- Axial Pelvic Supports

# BINGO Spex Stroller User measurements

| BINGO Stroller Size       |                              | Size 1  |                      | Size 2              |                     |
|---------------------------|------------------------------|---|----------------------|---------------------|---------------------|
| BINGO Stroller Order Code |                              | 2885-0031-032                                   |                      | 2885-0032-032       |                     |
| Seating specs             | A Hip width                  | 17-28cm (6.5-11")                               |                      | 22-33cm (8.5-13")   |                     |
|                           | B Seat depth                 | 18-30cm (7-12")                                 |                      | 23-38cm (9-15")     |                     |
|                           | 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 Cushion total depth        | 33cm  |                      | 38cm                |                     |
|                           | L Internal cushion width     | 23cm (9") Size 1.1                              | 28cm (11") Size 1.2  | 28cm (11") Size 2.1 | 33cm (13") Size 2.2 |
|                           | M 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  |
|                           | N Cushion side height        | 14cm (5.5")                                     |                      | 14cm (5.5")         |                     |
|                           | O Thigh contour depth        | 10cm (4") Size 1.1                              | 12cm (5") Size 1.2   | 12cm (5") Size 2.1  | 15cm (6") Size 2.2  |
|                           | P Thigh contour height       | 9cm (3.5")                                      |                      | 9cm (3.5")          |                     |
|                           | Q Abductor contour height    | 5cm (2")  |                      | 5cm (2")            |                     |
|                           | R Back cushion width         | 33cm (13")                                      |                      | 38cm (15")          |                     |
|                           | S 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)                                    |                      |                     |                     |

Stroller Package includes matte black frame with tie downs, 3kg fabric basket, tray table, and sun canopy.



\*\* Note there is 5cm mount options on pad ball mount.





# BINGO Spex Stroller

## 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

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

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

**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 positioning, function and comfort.





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



## Benefits of Spex

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

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

## Hardware

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

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

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

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

## Axial technology

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

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

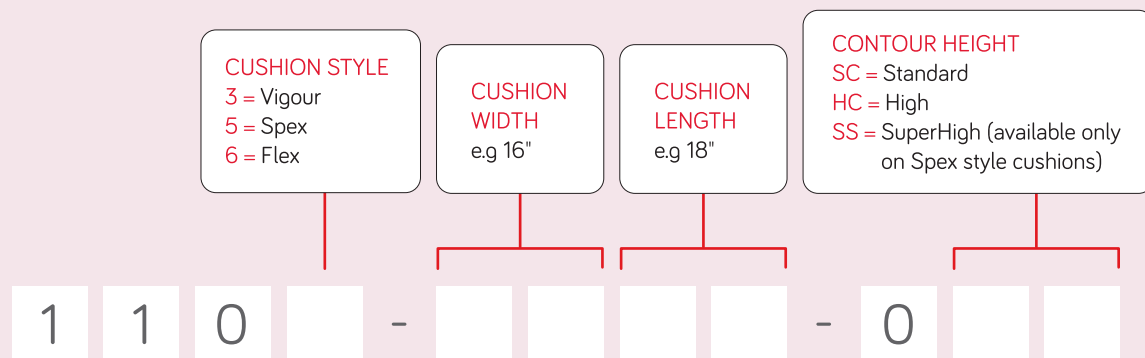
Z-bars allow unimpeded adjustability for setting support pads at the desired width and angle for maintaining clinically correct posture. In addition to the rotational pad adjustment, the Z-bars allow infinite offset capabilities and width adjustment.

Spex is the subject of patents, patents pending, design rights and copyright. 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.

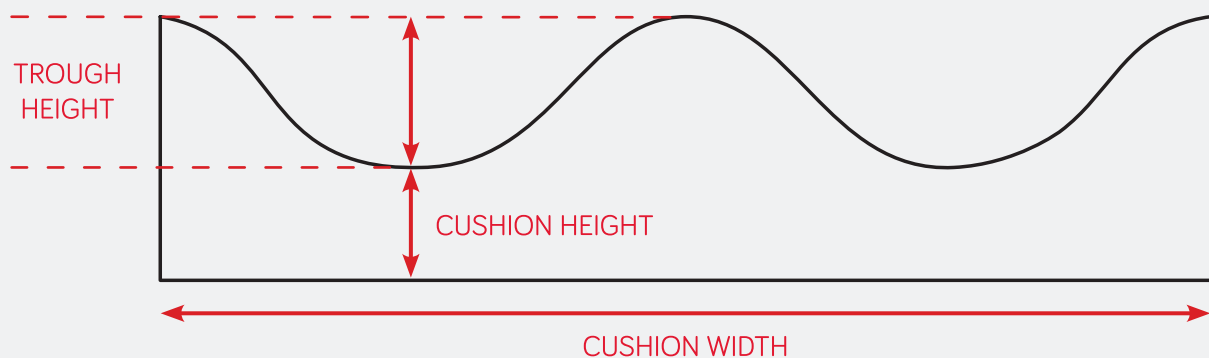


### EXAMPLE

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

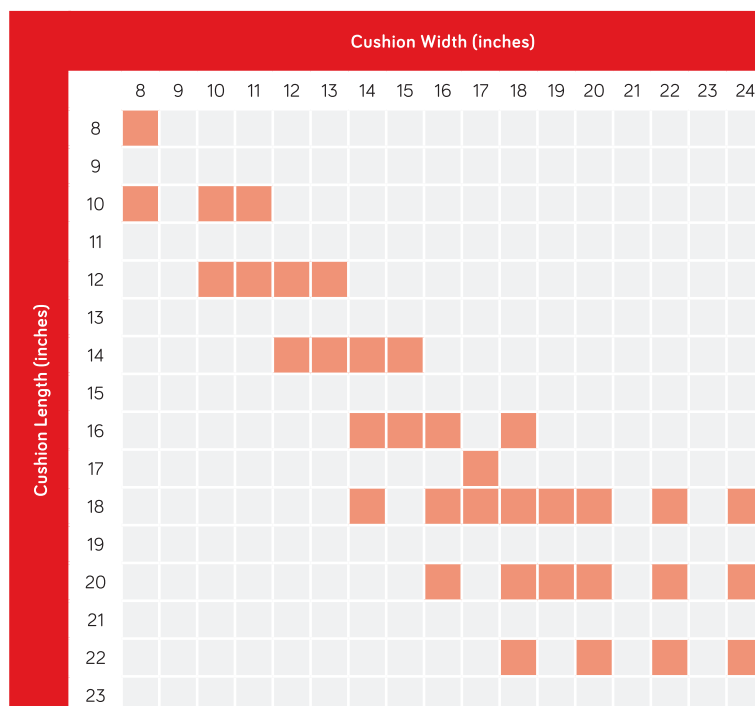
Designed for the user who:

- 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     | Red | Red | 3 |  |  |
| Positioning       | Red | Red | 3 |  |  |
| Lateral Stability | Red | Red | 3 |  |  |
| Offloading        | Red | Red | 3 |  |  |
| Changing Needs    | 1   |     |   |  |  |

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

# Spex Standard Contour Cushion



## CLINICAL

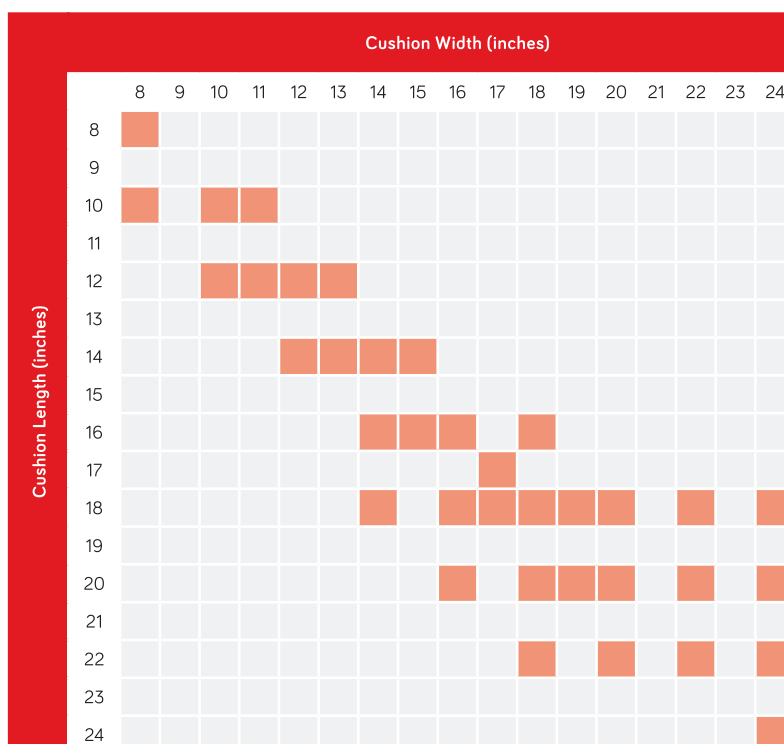
Designed for the user who has moderate to severe postural needs and pressure requirements. Excellent choice for individuals who:

- 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     | Red | Red | Red | 4 |  |
| Positioning       | Red | Red | Red | 4 |  |
| Lateral Stability | Red | Red | 3   |   |  |
| 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 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:

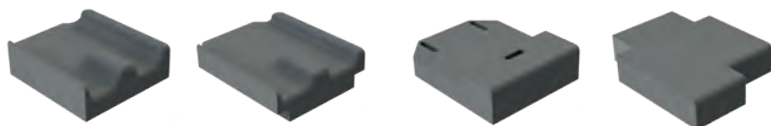
- Need high control of abduction or adduction propensities
- Have changing postural needs over time
- Have a symmetrical or asymmetrical sitting posture that requires correction or control
- Require pelvic comfort and pressure relief/distribution
- Require a high degree of pelvic stability and specific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





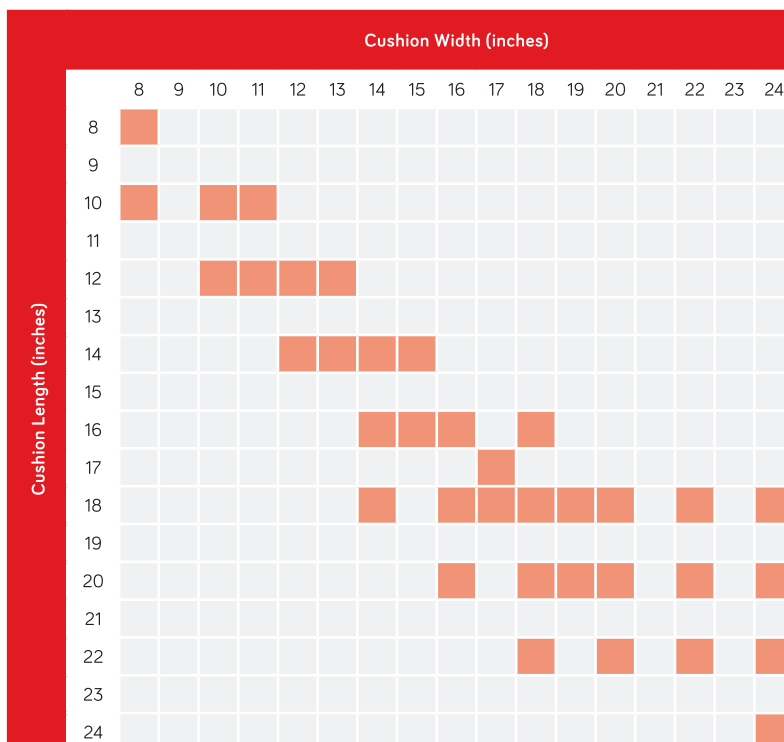
Unique dual-layer **SHEAR REDUCTION** fabric surface

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)<br><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).



Lower **REAR CONTOURING**  
allows for improved hip belt  
positioning

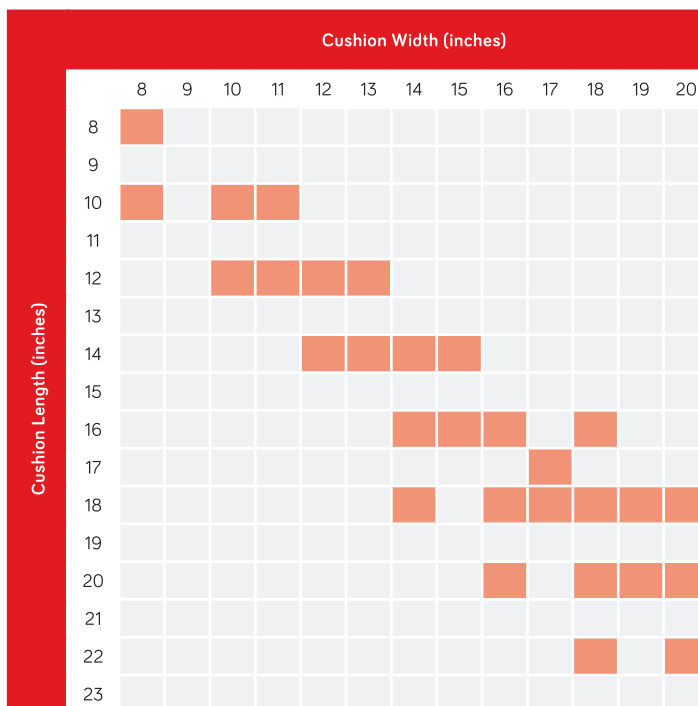
Deep **PELVIC IMMERSION**  
for anti-thrust needs

Super high medial and lateral  
contouring for **STABILITY  
AND CONTROL**

Cross-linked foam profiles  
for **DURABILITY**

Maintain **PELVIC STABILITY**  
with adjustable positioning  
base

## CUSHION SIZE CHART



- 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<br>(90kg)  | 80mm          | (16x16)<br><br>2.0kg |
| 11"-13" | 2.5"   |                   |               |                      |
| 14"-15" | 2.5"   | 350lbs<br>(160kg) | 100mm         |                      |
| 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.



# 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.



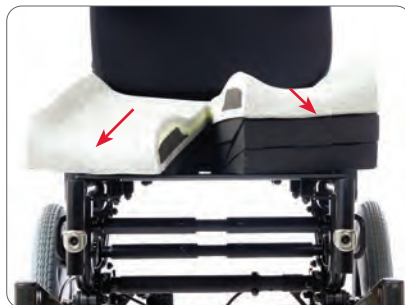
Asymmetric limited hip flexion is achieved by removing one or more frontal wedges from that side, depending on the angle required.



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) |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------------------|----|------------------------|----|----|----|----|----|----|----|----|----|----|----|----|
|                         |    | 10                     | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| Cushion Length (inches) | 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"<br>200lbs<br>(90kg)  | 30                 | 50   | (16x16)<br><br>1.5kg |
| 16"     |        | Width > 16"<br>350lbs<br>(160kg) |                    |      |                      |
| 17"-20" | 5.1"   |                                  |                    |      |                      |

## PRODUCT PERFORMANCE

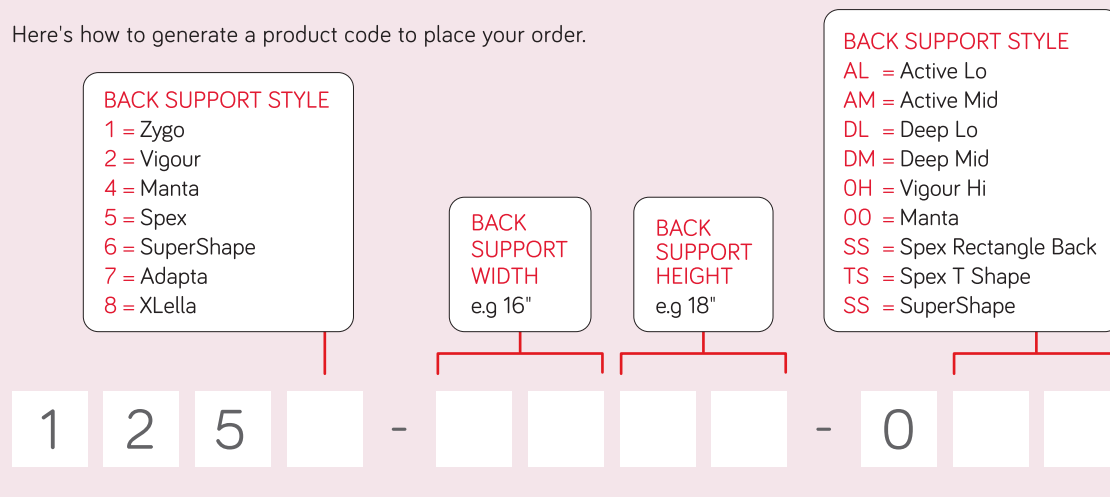
|                   |  |  |  |   |   |
|-------------------|--|--|--|---|---|
| Pressure Care     |  |  |  | 4 |   |
| Positioning       |  |  |  |   | 5 |
| Lateral Stability |  |  |  | 4 |   |
| Offloading        |  |  |  |   | 5 |
| Changing Needs    |  |  |  |   | 5 |

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



**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.

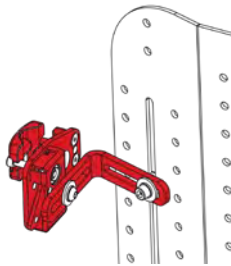


# Spex Back Support Hardware Options

## QUAD MOUNT (DEFAULT)

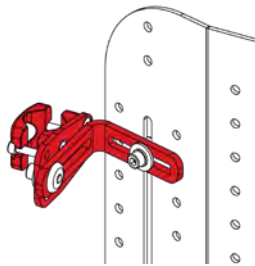
Quad Mount hardware is the default hardware option for Spex Back Supports and uses four independent points of attachment to the back support canes of the wheelchair for ultimate strength and lateral positioning. This hardware type offers 40mm of seat depth adjustment, and is available in three different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

### QUAD MOUNT (DEFAULT)



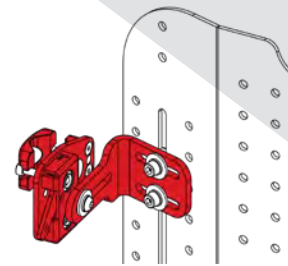
- Has a unique locking system that allows the back support to be removed easily
- Provides 10° of back support angle
- Weighs 0.9kg

### 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



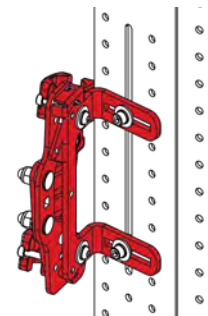
- Supports heavier users with stronger L-brackets
- Shares the benefits of quick release hardware
- Weighs 1.1kg

## 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)

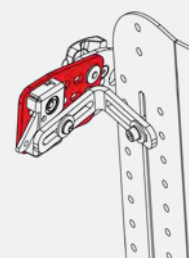
- Weighs 0.1kg

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 Mid** and **Deep Mid**), 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.**



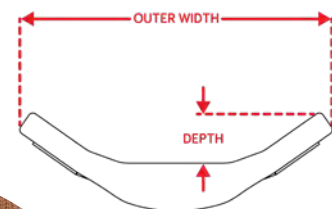
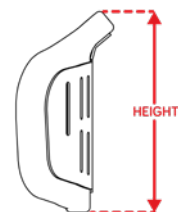
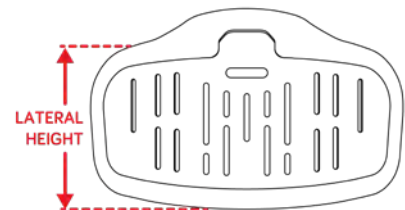


# Active Contour Lo Back Support



## 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"           |



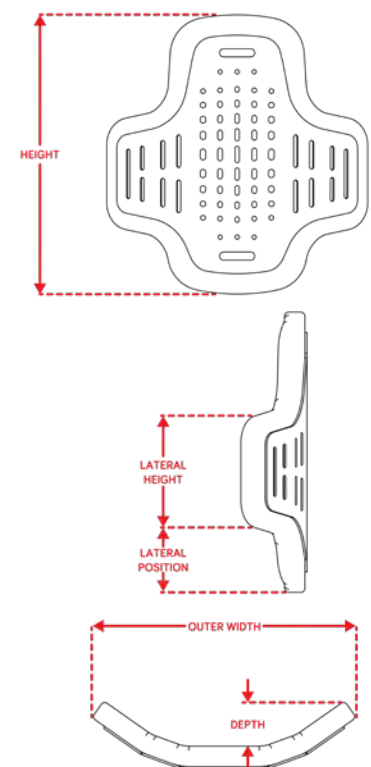


# Active Contour Mid Back Support



## 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.

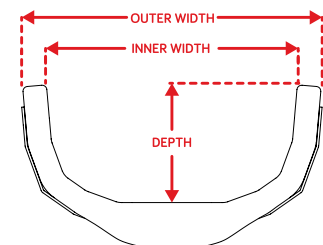
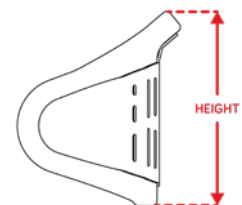
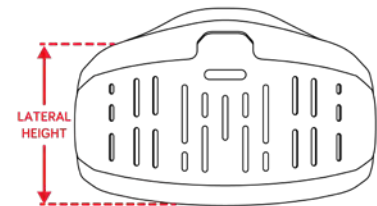


## Deep Contour Lo Back Support



### 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"           |





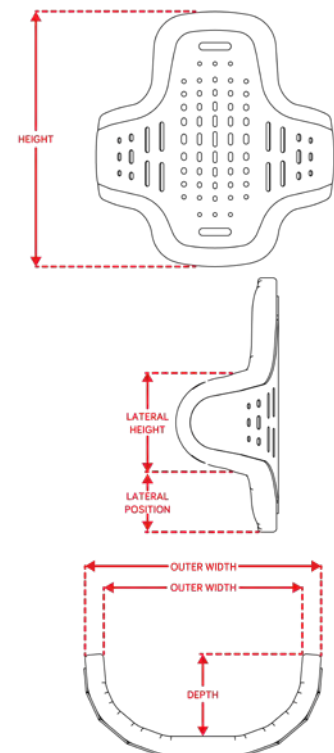


# Deep Contour Mid Back Support



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

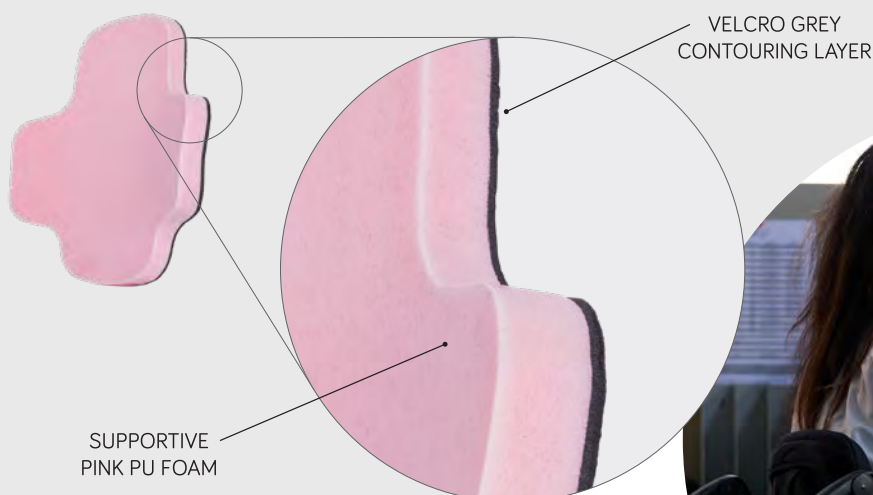
## PRODUCT DETAILS

| 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 20.

## 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 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





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

Can be upgraded with **DIFFERENT FOAM PADDING OPTIONS** for excellent results

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

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

SIZE CHART



- 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)<br>0.7kg  |
| 11"-15" | 2.5"   |                | Mid Back (16x16)<br>1.0kg |
| 16"-17" | 2.75"  | 300lbs (136kg) | Hi Back (16x16)<br>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 20.

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.

# 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.
- 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



## HARDWARE ADJUSTMENTS



Height adjustment feature



Padding tucks under back support when at lower height range

Padding extends with back support when height is extended





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

Up to 4" / 10cm of additional  
**GROWTH ADJUSTMENT**

Select from a range of  
**FOAM PADDING OPTIONS**

Foam Padding **FOLLOWS**  
**ADJUSTMENTS** made on  
the spot

|                                    |    | Wheelchair Width (inches) |    |    |
|------------------------------------|----|---------------------------|----|----|
|                                    |    | 12                        | 14 | 16 |
| Back Support Height Range (inches) | 11 |                           |    |    |
|                                    | 12 |                           |    |    |
|                                    | 13 |                           |    |    |
|                                    | 14 |                           |    |    |
|                                    | 15 |                           |    |    |
|                                    | 16 |                           |    |    |
|                                    | 17 |                           |    |    |
|                                    | 18 |                           |    |    |
|                                    | 19 |                           |    |    |
|                                    | 20 |                           |    |    |
|                                    | 21 |                           |    |    |
|                                    | 22 |                           |    |    |
|                                    | 23 |                           |    |    |
|                                    | 24 |                           |    |    |

## PRODUCT CODES

To order the correct product using the code guide on page 75, Back Support Width is the size shown across the table, and Back Support Height Range, shown on the left, is the first size shown in the shaded area.

## EXAMPLE

To order a 14" wide by 16" high support, you can order either 1412 or 1416, depending on the adjustability required.

# Manta Back Support

---

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

## CLINICAL

Designed for the individual who requires:

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

## FUNCTIONAL

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

## CONFORMING COMFORT



## NEW COVER DESIGN





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 |                           |    |    |    |    |    |    |    |    |
|                            | 21 |                           |    |    |    |    |    |    |    |    |

- 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>   |

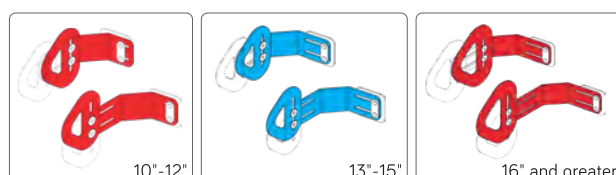
- Note: This is the weight of the back support only and does not include the hardware. For hardware weight, refer to page 20.

## PRODUCT PERFORMANCE

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

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

## MANTA WING ADJUSTABILITY



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



# Spex Classic Back Support

---

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

## CLINICAL

Designed for the individual who:

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

## FUNCTIONAL

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

## RECTANGLE SHAPE

Fits between wheelchair canes



## T SHAPE

Sits in front of wheelchair canes





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

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

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

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

## CUSHION SIZE CHART

|                            |    | Wheelchair 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 20.

## 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 back support. Easy configurations are performed for asymmetrical trunk postures without the need for complicated custom/bespoke seating.

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

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



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 back support, simply adjust the cube contouring cell system to configure for a perfect fit and shape for the client's back.



Showing contouring cells without the front foam surface

## FOR ASYMMETRY

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



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



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:

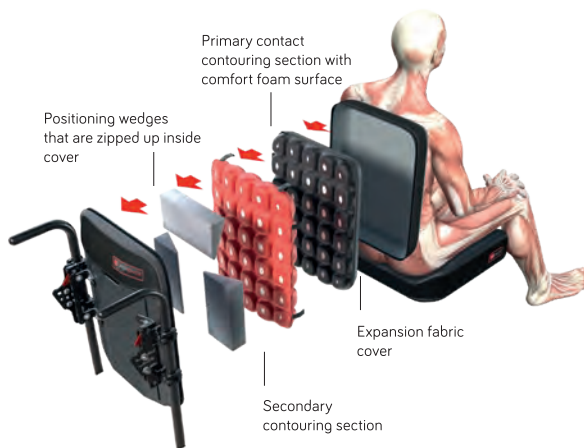
- Has complex postural needs
- Has significant spinal or trunk asymmetries
- Has protruding skeletal prominences
- Risks skin breakdown and has pressure care requirements
- Requires greater immersion into back support for stability and comfort
- Requires torso pain reduction

## 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 out-of-shelf products and then size and adjust them to achieve a one-of-a-kind fit for complex postural needs' users
- Easy set-up and optimum interfacing with a range of wheelchair chassis
- Wide range of adjustment for growth and changing needs
- Wide range of lateral supports (sizes, models and adjustments)
- Robust and durable
- Comfortable and pressure relief

## CREATE DIGNITY WITH BEAUTY

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





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



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



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



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

## CUSHION SIZE CHART

|                            |    | Wheelchair 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<br>(90kg)  | (16x16)        |
| 16"-20" | 300lbs<br>(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 20.

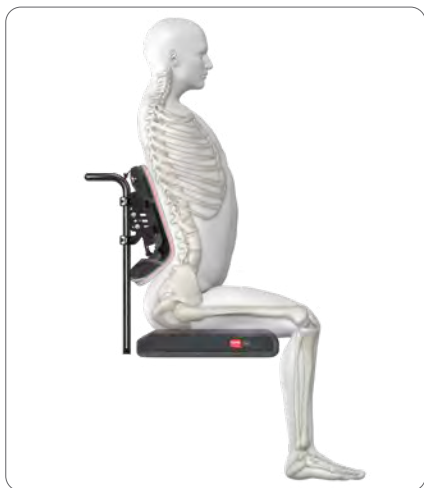
## PRODUCT PERFORMANCE

|                      |  |  |  |  |   |
|----------------------|--|--|--|--|---|
| 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.



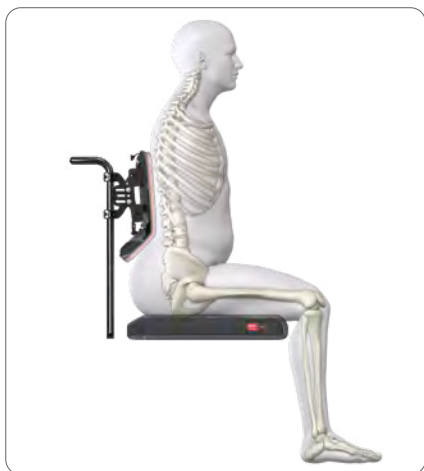
## CLINICAL

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.



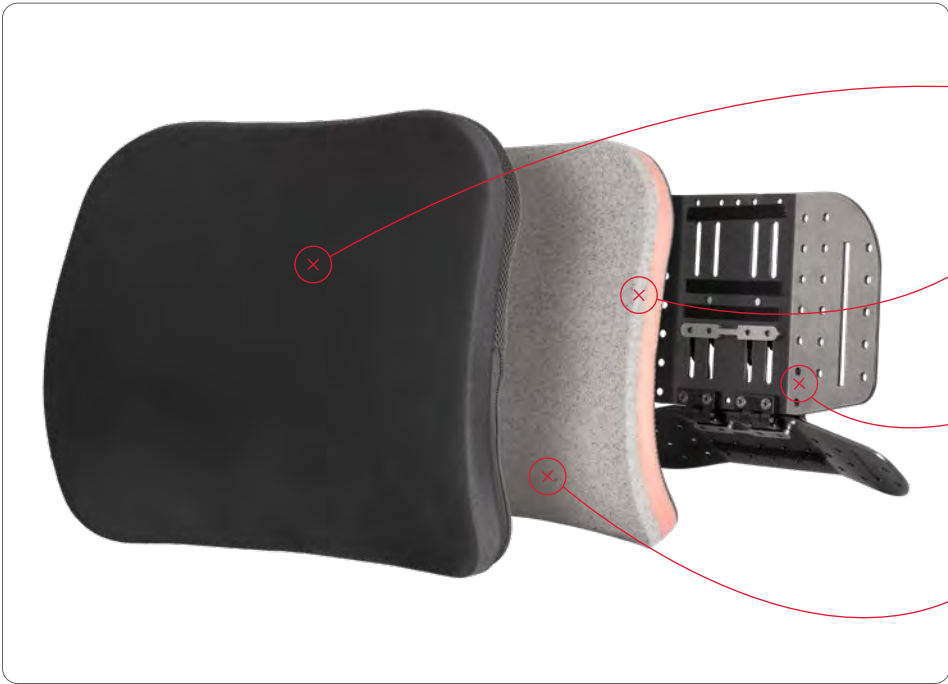
## POSITIONING WITH LESS COMPLEXITY



## 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) |    |    |    |
|-----------------------------------|--------------------------------|----|----|----|
|                                   | 14                             | 16 | 18 | 20 |
| Back Support Height (inches) (HH) | 12                             |    |    |    |
|                                   | 13                             |    |    |    |
|                                   | 14                             |    |    |    |
|                                   | 15                             |    |    |    |
|                                   | 16                             |    |    |    |
|                                   | 17                             |    |    |    |
|                                   | 18                             |    |    |    |

PRODUCT DETAILS

| Product Weight   | Weight Capacity | Angle Adjustment Capability (Bottom) | Overall Thickness (Including Cover) |
|------------------|-----------------|--------------------------------------|-------------------------------------|
| (16x15)<br>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 20.

# 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.



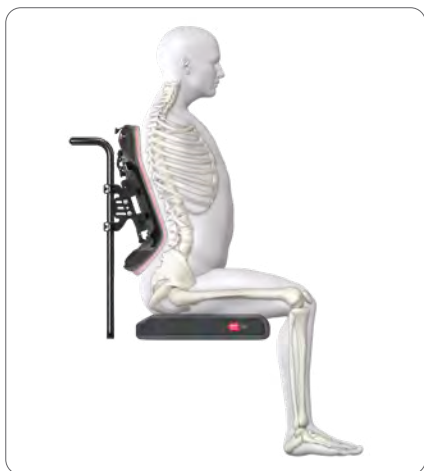
## CLINICAL

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

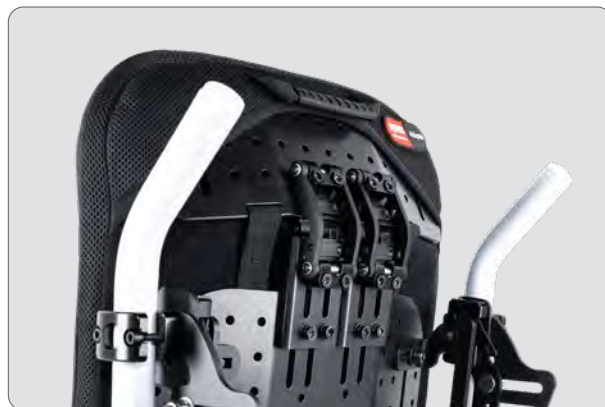
- Provide effective positioning through the adaptive Profile Curvature System that contours to the shape of the individual.
- An additional height-adjustable section providing even greater contouring opportunities for more complex postures.
- Top Adapta-Point on all sizes can adjust up to 2 inches of 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)<br>2.6kg | 136kg           | 40°<br>Anterior & Posterior       | 40°<br>Anterior & 60°<br>Posterior   | 35mm                                |

- Note: This is the weight the back support and does not include the hardware. For hardware weight, refer to page 20.





SPEX - CLINICAL WHEELCHAIR SEATING

# XLella Bariatric Back Support Range



# XLella Back Support Range

The XLella back supports provides an off-the-shelf solution, with integrated adjustability and adaptability for potential changing needs. These are available in three different styles to meet the individual requirements and body shapes of the user, XLella Vigour, XLella Classic, and XLella<sup>2</sup>. All models are transport certified and have a weight capacity of up to 300kg.



XLella Classic



XLella Vigour

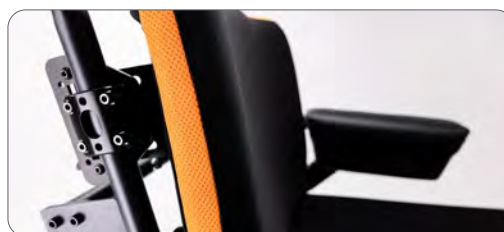


XLella<sup>2</sup>



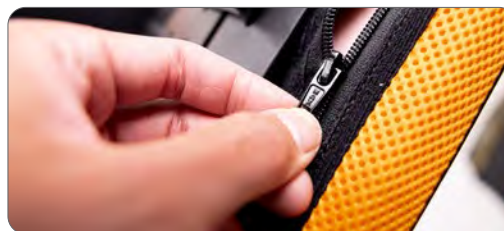
## PURPOSE-BUILT FOR BARIATRIC USERS

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



## EASILY PROVIDE ADDITIONAL POSITIONING

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



## DUAL-LAYER OUTER COVER TECHNOLOGY

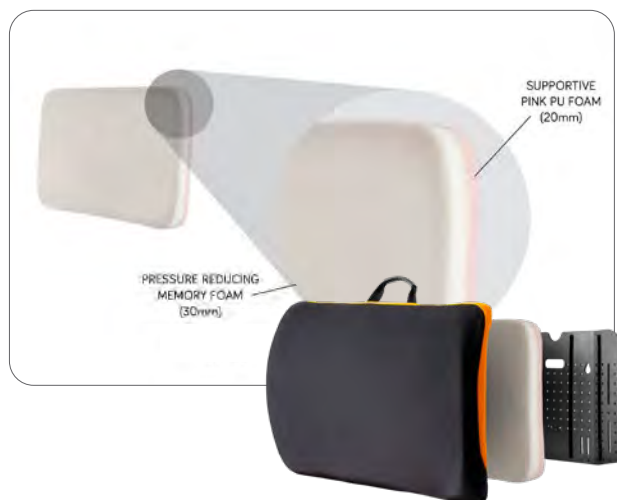
Dual-layer technology in the back support outer cover reduces shear forces, combating the likelihood of chafing and pressure sores. With air-mesh side panels and moisture-wicking front surface fabric; buildup of heat and moisture is limited.



## COMPATIBILITY WITH SPEX POSTURAL SUPPORTS

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

# XLella Bariatric Back Support Range

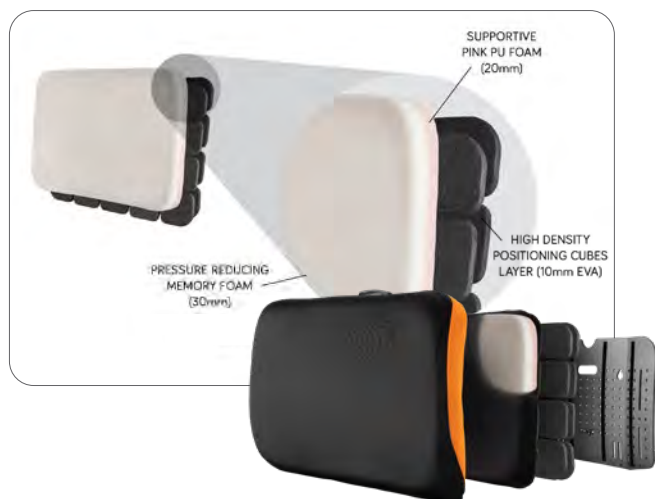


## XLELLA VIGOUR BACK SUPPORT

Planar rigid bariatric back support for minimal postural requirements.

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

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

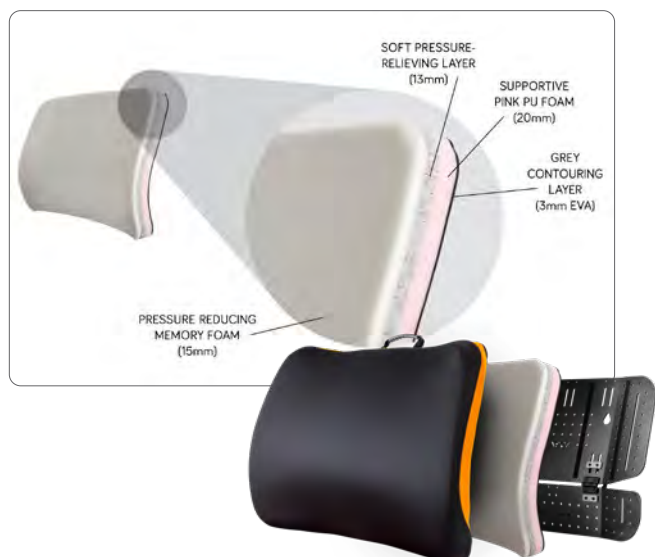


## XLELLA CLASSIC BACK SUPPORT

Rigid back support with contouring capabilities to shape and configure.

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

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



## XLELLA² BACK SUPPORT

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

This model of Back Support provides effective positioning through the adaptive Profile Curvature System that contours to the shape of the individual. Match trunk profile with Adapta-Points and tighten to secure. Once tightened you can be confident the system will stay in place. Adjustments are made through each shell section offering flexibility as positioning needs change over time.

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



## SIZE CHART

| Back Support Height (inches) | Wheelchair Width (inches) |    |    |    |    |    |
|------------------------------|---------------------------|----|----|----|----|----|
|                              | 20                        | 22 | 24 | 26 | 28 | 30 |
| 12                           |                           |    |    |    |    |    |
| 13                           |                           |    |    |    |    |    |
| 14                           |                           |    |    |    |    |    |
| 15                           |                           |    |    |    |    |    |
| 16                           |                           |    |    |    |    |    |
| 17                           |                           |    |    |    |    |    |
| 18                           |                           |    |    |    |    |    |
| 19                           |                           |    |    |    |    |    |
| 20                           |                           |    |    |    |    |    |
| 21                           |                           |    |    |    |    |    |
| 22                           |                           |    |    |    |    |    |
| 23                           |                           |    |    |    |    |    |
| 24                           |                           |    |    |    |    |    |
| 25                           |                           |    |    |    |    |    |

XLElla Vigour or Classic
  XLElla<sup>2</sup> Biangular



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

### FIXED MOUNT BARIATRIC HARDWARE

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



### QUICK-RELEASE BARIATRIC HARDWARE

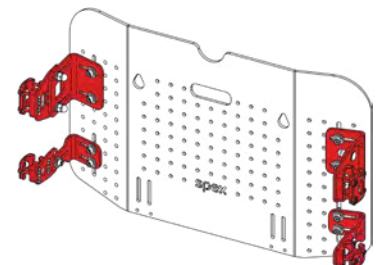
Allows easy removal of back support for use with folding wheelchairs or in situations the back is required to be removed.



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

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

Hardware in flipped orientation for greater seat depth.



# Tessellated Positioning Kit

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

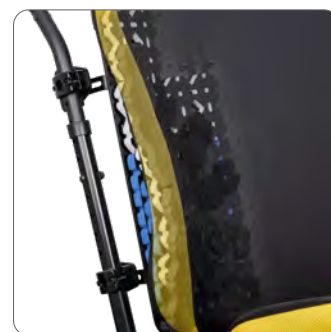


## SIZE CHART

|                            |    | 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

# Spex Wheelchair Padding

## TRAY PADDING

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



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

## SOFT PADDED TRAY

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

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



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

## IMPACT GUARDS

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



| Hanger Type | 70 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

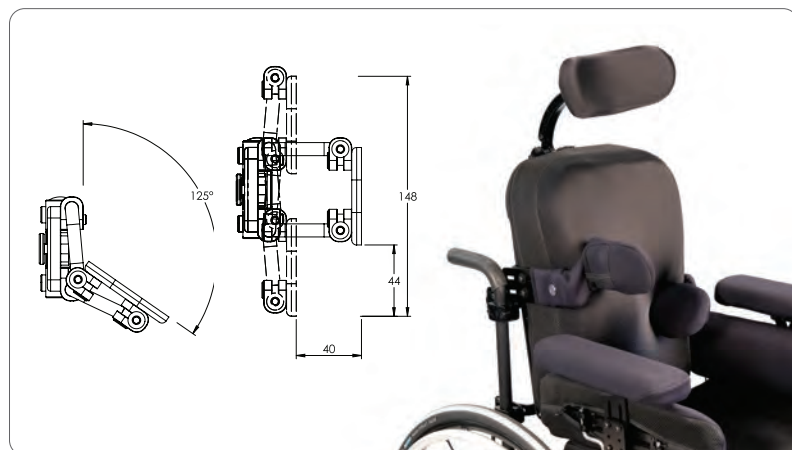
- Super comfortable pressure-reduction padding for moulding to user shape
- Removable and washable covers
- Brackets are adjustable in all planes: height, width, depth and lateral angle for ultimate trunk orientation
- Spex brings you modular creativity! Mix and match with different pad combinations
- 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
  - Deep Contour back support bracket
  - Extension for Deep Contour (commonly used with SuperShape back support)

## AXIAL TECHNOLOGY

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



## HARDWARE OPTIONS



### FIXED

Width and depth adjustable



### STANDARD SWING-AWAY

Width and depth adjustable with vertical pivot adjustment. Offset bracket options available



### AXIAL SWING-AWAY

Width, depth, and multiple angle adjustable by it's rotational system.

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



### CANE MOUNT

Mounts directly to wheelchair canes



### QUICK-RELEASE

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



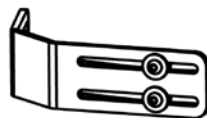


Anatomical full-curve  
**NATURAL-LATERAL** technology  
for optimum fitting to body shape

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

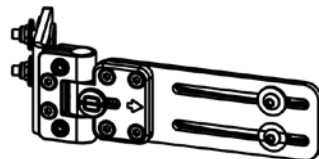
Huge pad range to provide the exact  
**SNUG FITTING** comfort that's required  
(refer page 57)

## FIXED LATERAL HARDWARE



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

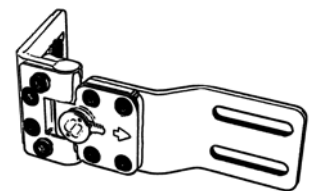
## SWING-AWAY LATERAL HARDWARE



| Options<br>(Add pad, shown on Pg 46)  | Overall<br>length | Plate<br>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 |

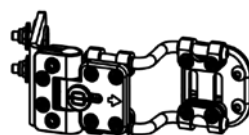
## OFFSET SWING AWAY

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



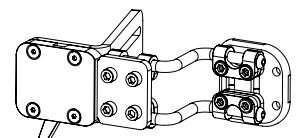
| Options<br>(Add pad, shown on Pg 46) | Offset | Code          |
|--------------------------------------|--------|---------------|
| Swing-Away, offset bracket           | 20 mm  | 1266-2203-100 |
| Swing-Away, offset extended bracket  | 40 mm  | 1266-2204-100 |

## AXIAL LATERAL HARDWARE



| Options<br>(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<br>(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

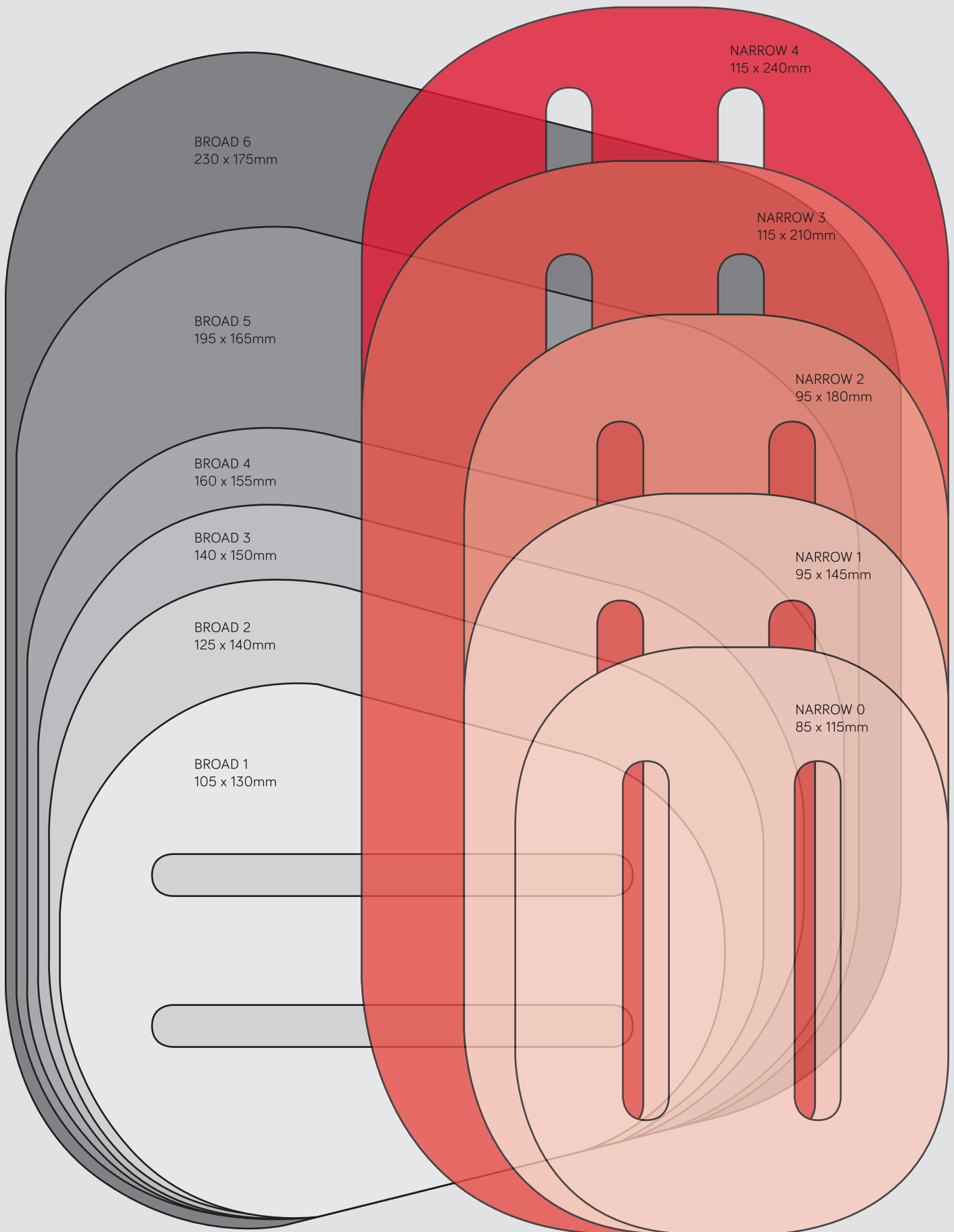


### BROAD

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

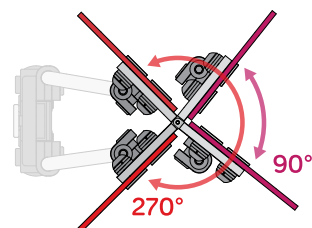


STANDARD



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°<br>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!

# Seat Base

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



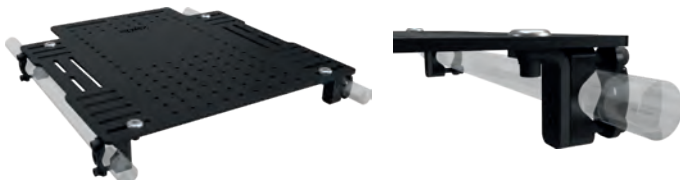
## QUICK-RELEASE

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



## FIXED MOUNT

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



## FOUNDATION FOR POSITIONING REQUIREMENTS

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

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

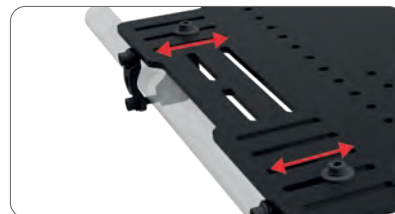
## FUNCTIONAL BENEFITS



**USER AND CAREGIVER FRIENDLY DESIGN**  
Flexibility of folding and fast removal



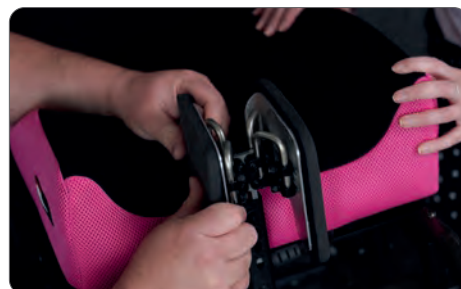
**INNOVATIVE HARDWARE WITH VERSATILE DESIGN**  
Fixed Mount Hardware or Quick-Release



**WIDTH ADJUSTMENT FOR GROWTH**  
Easily fitted to different sized wheelchairs

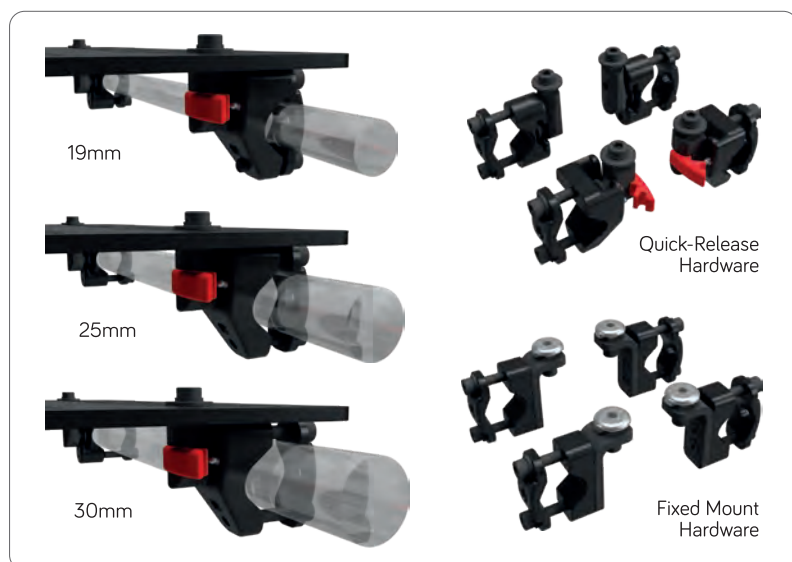


**CLINICALLY CORRECT POSITIONING AND STABILITY**  
Provides stability and a solid foundation



## VERSATILE & MULTI FUNCTIONAL HARDWARE

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



## SEAT BASE SIZE CHART

|  |    | Seat Base Width (inches)<br>Replace WW when ordering |    |    |    |    |    |    |    |    |    |    |    |  |
|--|----|--|----|----|----|----|----|----|----|----|----|----|----|--|
|  |    | 10   | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 |  |
| Seat Base Length Height (inches)<br>Replace LL when ordering | 12 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 13 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 14 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 15 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 16 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 17 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 18 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 19 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 20 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 21 |  |    |    |    |    |    |    |    |    |    |    |    |  |
|  | 22 |  |    |    |    |    |    |    |    |    |    |    |    |  |

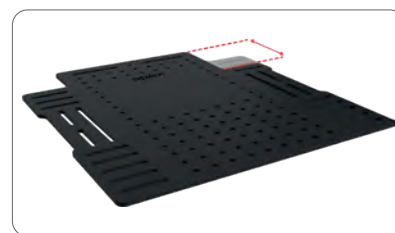
## SEAT BASE ACCESSORIES & CUSTOMISATIONS



### 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.

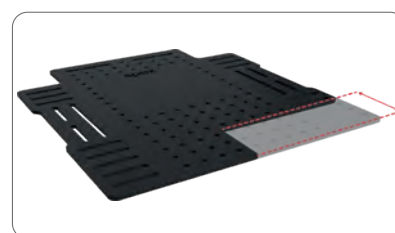
1008-0250-100



### 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 |

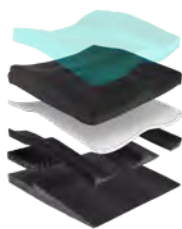
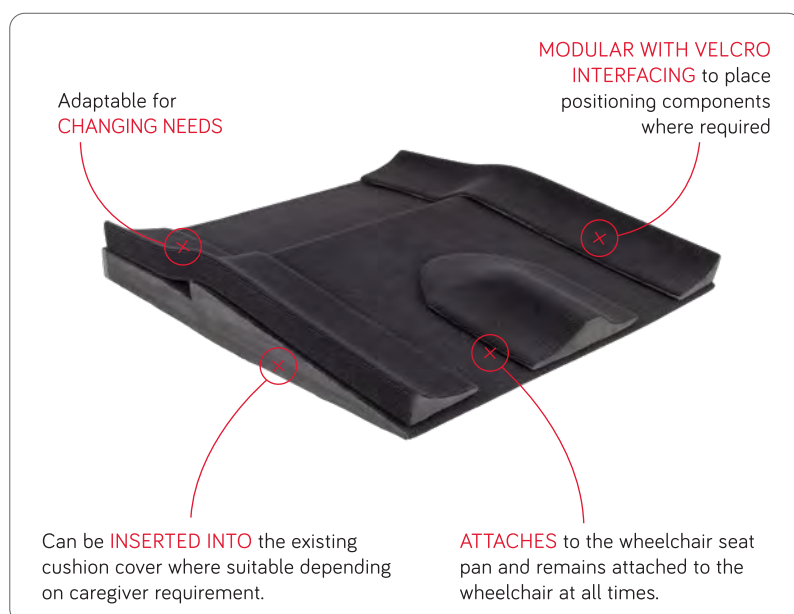
| SEAT BASE SIZE                         | 10-15"        | 16-20"        |
|--|---------------|---------------|
| MAXIMUM USER WEIGHT                    | 90kg (200lb)  | 180kg (400lb) |
| HARDWARE STYLE                         | QUICK-RELEASE | FIXED MOUNT   |
| SEAT BASE WEIGHT<br>(16X18" / 40X45CM)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



POSITIONING FOR GEL CUSHIONS



POSITIONING FOR AIR CUSHIONS

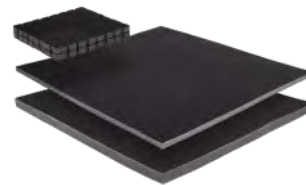
| Base Width (inches)  |    | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------------------|----|----|----|----|----|----|----|----|
| Base Length (inches) | 14 |    |    |    |    |    |    |    |
|                      | 15 |    |    |    |    |    |    |    |
|                      | 16 |    |    | 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



CAN BE CUT AND TRIMMED

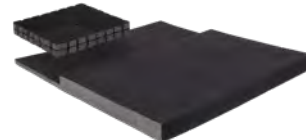
- To order Base Options and Accessories replace **WW** in the code with Width and **LL** with Length

## BASE OPTIONS



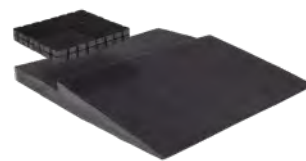
### CUSHION SPACER KIT

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



# Transport Certified

## WC20

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

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

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

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

## ISO 16840-4

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

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

Spex components that are ISO 16840-4 certified for use during motor vehicle transportation include: Back Support, 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.

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

The Stylo 130 is the perfect solution for:

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



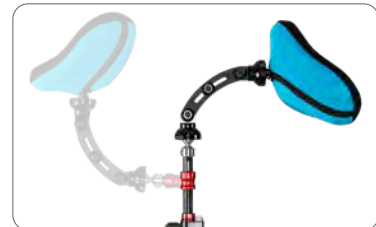
Stylo 160 and Stylo 260 are designed for the individual who:

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

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

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

## SUPPORT PAD OPTIONS



### FLIP-BACK OPTION

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



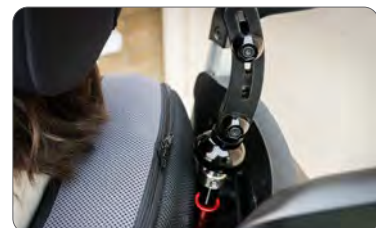
### ONE TOOL FOR ALL ADJUSTMENTS

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



### STURDY POSITIONING

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



### SUPER QUICK INSTALLATION

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

# Spex Head Support Fitting Guide

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

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

## Step 1

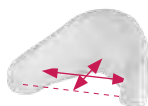
### Choose your pad style

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



## Step 2

### Choose your pad size



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

| Small       |             | Large       |             | Small                       |             | Large            |             | Small                       |             | Large                  |             |
|-------------|-------------|-------------|-------------|-----------------------------|-------------|------------------|-------------|-----------------------------|-------------|------------------------|-------------|
| Circle 150  |             | Circle 250  |             | Contour 250                 |             | Contour 350      |             | Paediatric Extended Lateral |             | Extended Lateral       |             |
| Inner Width | Inner Depth | Inner Width | Inner Depth | Inner Width                 | Inner Depth | Inner Width      | Inner Depth | Inner Width                 | Inner Depth | Inner Width            | Inner Depth |
| 145mm       | 50mm        | 180mm       | 60mm        | 225mm                       | 105mm       | 280mm            | 130mm       | 135mm                       | 120mm       | 160mm                  | 140mm       |
| Comfort 250 |             | Comfort 350 |             | Paediatric Standard Lateral |             | Standard Lateral |             | Adjustable Lateral 150      |             | Adjustable Lateral 250 |             |
| Inner Width | Inner Depth | Inner Width | Inner Depth | Inner Width                 | Inner Depth | Inner Width      | Inner Depth | Inner Width                 | Inner Depth | Inner Width            | Inner Depth |
| 235mm       | 65mm        | 310mm       | 80mm        | 135mm                       | 80mm        | 160mm            | 100mm       | 145mm                       | 205mm       | 180mm                  | 215mm       |

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

## Step 3

### Choose your head support mechanism



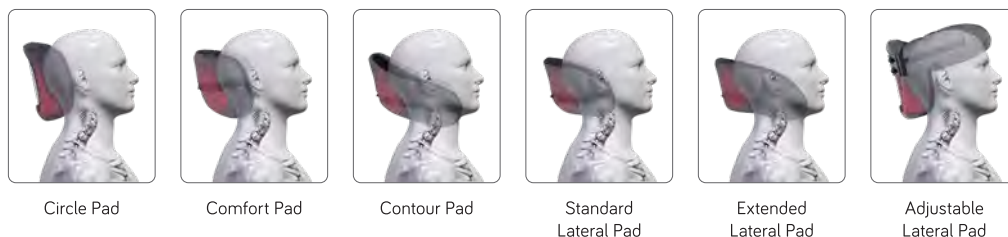
Does your client require assistance in and out of the wheelchair with transfers?  
If so, consider a flip-back option.



## Step 4

### Fit the head support to the client

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



# Stylo 130

## The simplistic choice for basic head support needs.

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

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

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

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



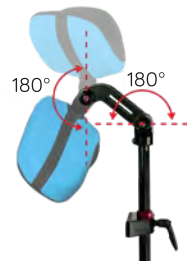
HORIZONTAL FORWARD  
ADJUSTMENT



VERTICAL ADJUSTMENT  
IN MECHANISM



SIDEWAYS ADJUSTMENT



PITCH



# Stylo 160

For the simple, yet adjustable and adaptable head positioning solution.

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

Clever use of twin ball joints means the head pad can be orientated to where the optimal support is required, through 90° in all directions; coupled with two hinge joints that offer infinite up and down, and forward and backward adjustment. The finished product... an extremely versatile mechanism that allows true adjustment of the pad position, creating a solution that is completely 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<br>80 mm for Flip-back  |
| SIDEWAYS ADJUSTMENT              | 200 mm   |
| FRONTAL ANGLE ADJUSTMENT         | 360°   |
| SAGITTAL ANGLE ADJUSTMENT        | 180° top hinge +<br>90° top ball joint<br>180° bottom hinge +<br>90° bottom ball joint |
| TRANSVERSE ANGLE ADJUSTMENT      | 90°  |
| WEIGHT OF STYLO STEM             | 915 grams<br>(930 grams flip-back)   |



HORIZONTAL FORWARD ADJUSTMENT



VERTICAL ADJUSTMENT IN MECHANISM



VERTICAL ADJUSTMENT IN STEM



SIDEWAYS ADJUSTMENT



PITCH



# Stylo 260

## Infinite adjustability for the most complex situations!

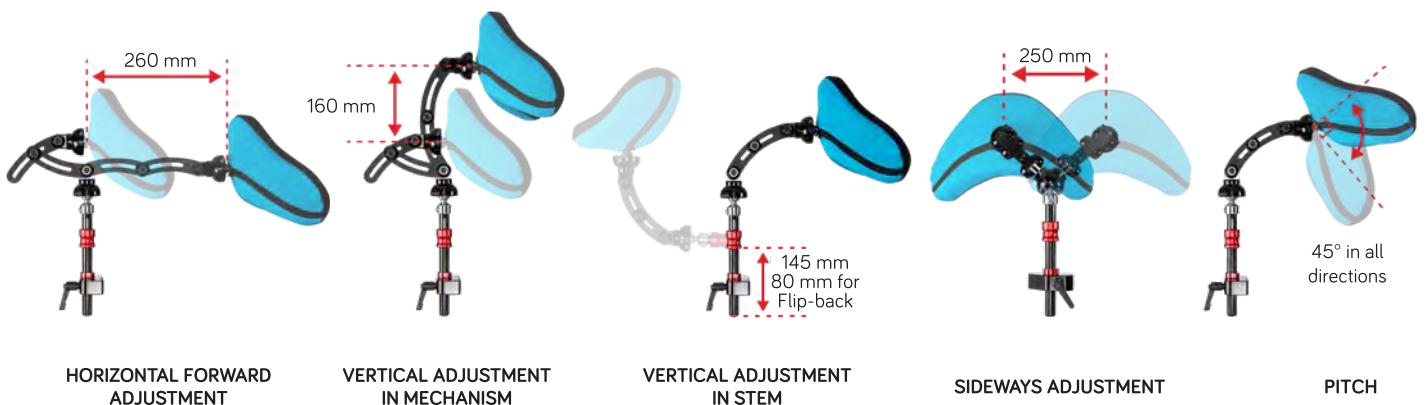
Stylo 260 is engineered to offer ultimate and unparalleled adjustability to meet the most complex head positioning needs!

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

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

Available in flip-back option for ease of transfers.

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



# Head Support Pads

## THE SPEX HEAD PAD ADVANTAGE

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



## FUNCTIONAL

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



### CIRCLE

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



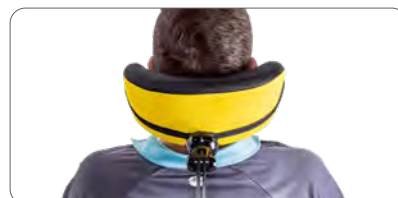
### COMFORT

General use head support pad suited for transit and travel.



### CONTOUR

Contoured shaped pad for superior occipital and suboccipital support.



### STANDARD LATERAL

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



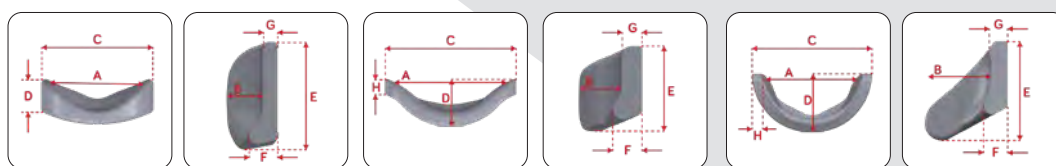
### EXTENDED LATERAL

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

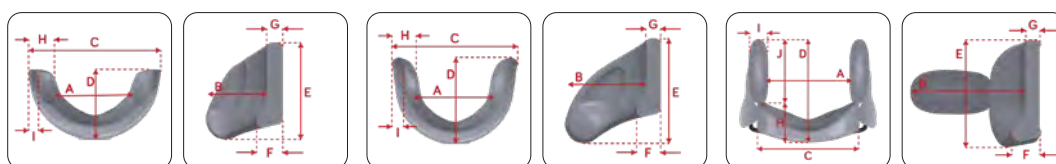


### ADJUSTABLE LATERAL

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



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



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



# 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 Axial adjustment. Axial hardware reduces the seat width by 0 to 65 mm each side. Pad is 25 mm thick, and Axial bars allow for up to 40 mm of adjustment
- Washable upholstery covers

# Arm Supports

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



## CLINICAL

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

## FUNCTIONAL

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

## FUNCTIONAL CHOICES

FOR THIGH AND ARM SUPPORTS



- Quick Release



- Flip-Down. Facilitate easy transfers

## ARM SUPPORT CHOICES

ANGLE AND HEIGHT ADJUSTABLE



Multiple angle adjustments for precise support.

FIXED ANGLE BUT HEIGHT ADJUSTABLE



Fixed in angle but height adjustable.



## THIGH SUPPORTS



Support pads orientate for width reduction of pelvic area.



Lateral growth adjustment.



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



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

### SEAT RAIL MOUNT

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



### SEAT PAN MOUNT

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



## THIGH SUPPORT PADS

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

## ARM SUPPORT PADS

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

# Anterior Trunk & Pelvic Positioning Tips

## ANTERIOR PELVIC POSITIONING

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

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

## ANTERIOR TRUNK POSITIONING

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

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

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

## THE Spex ADVANTAGE

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



# Anterior Trunk Positioning

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



## FUNCTIONAL

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

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

## SHOULDER STRAP GUIDES

Recommended for any harness choice to prevent shoulder straps falling off shoulders. Height adjustable and fit both 1" and 1.5" straps.  
1400-6692-000



## HARNESS OPTIONS



### H-HARNESS

Minimalist option with good adjustment



### RETRACTOR HARNESS

Encourages retraction of the shoulders



### VEST HARNESS

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



### CENTREPOINT HARNESS

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

# Anterior Pelvic Positioning

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



## FUNCTIONAL

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

| Hip Belt Style                  | X-Small<br>Pad width 30 cm | Small<br>Pad width 36 cm | Medium<br>Pad width 46 cm | Large<br>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   |



Foot-Fasts with  
Posterior Retainer  
Strap



# Savant Head Support

Savant is a unique head support which is cool, light-weight and can easily be shaped by hand. It provides support at three levels on the head to control lateral flexion and rotation. A headband can be used for anterior support.

## TOTAL HEAD CONTROL



Savant is constructed with a unique steel core that allows selective shaping without tools.



The mounting disk accommodates a 1" (25 mm) ball. The disk can be removed to attach custom hardware using M5 screws. Compatible with Spex head support mechanisms.



Savant comes with a headband that can be used for anterior support. The Savant can be worn with or without the headband.  
A side pad for extra lateral support can be added if required: 1280-4210-100.

## BENEFITS FOR THE USER AND CAREGIVER



- Cool and comfortable head support, the modular pad design allows for air circulation
- Low heat retention
- Easy to put on and remove
- Low profile; unobtrusive appearance
- Easy to keep clean (sponge clean with soap and water, then air dry)
- Total control for the head

## OTHER BENEFITS



- Easy to fit (head support can be shaped by hand)
- Attaches to standard three point hardware
- Optional use of headband (included) for additional anterior support
- Pads are easily reshaped by hand when the occupant is repositioned

| Size       | Code          | On the client             |                               | On the head support               |                                      |                |
|------------|---------------|---------------------------|-------------------------------|-----------------------------------|--------------------------------------|----------------|
|            |               | Circumference at Forehead | 1/2 Circumference behind ears | Inside distance along top support | Inside distance along middle support | Overall Height |
| PAEDIATRIC | 1280-4101-000 | 14-18" / 36-46 cm         | 5-6" / 13-15 cm               | 9" / 23 cm                        | 5" / 13 cm                           | 4.5" / 12 cm   |
| SMALL      | 1280-4102-000 | 18-22" / 46-56 cm         | 6-7" / 15-18 cm               | 12" / 30 cm                       | 7" / 18 cm                           | 5" / 13 cm     |
| ADULT      | 1280-4104-000 | 22-24" / 56-61 cm         | 8-9" / 20-30 cm               | 14" / 36 cm                       | 8" / 20 cm                           | 6" / 15 cm     |

# Axion Rotating Head Support Mech

Axion is a Rotary Interface for wheelchair head supports which can be attached to most head supports and hardware. It allows head supports to freely rotate, improving the function of the user. Axion is applicable to those with limited head control, limited range of motion or field of vision. It is also applicable to those who frequently rotate their head against a head support.

## FREEDOM OF HEAD MOVEMENT! INTERFACE TO PERMIT ROTATION OF HEAD SUPPORTS



## BENEFITS OF THE AXION



- Axion Rotary Interface is quiet, free running and does not require lubrication.
- The range of rotation can be limited or stopped by means of a simple knob control. This allows the head support to be positioned at a fixed angle or be free running.
- Some drag may be introduced to slow the rotation, if desired. Usually the Axion will be used to allow free lateral rotation of the head with the head support.
- This permits the head to be fully supported by the head support as it rotates.

### USERS WITH MUSCLE WEAKNESS

The benefit of this to those with muscle weakness is assured support from the head support as they rotate laterally.

### USERS WHO RUB AGAINST A HEAD SUPPORT

- For those with good muscle tone but who have a tendency to rub frequently against a head support, the Axion allows the head support to move with their head.
- This can reduce or eliminate the friction between the head and the head support, so reduces hair loss or abrasion of the head.



The Axion comprises the base, curved rail and ball on a stem.

Rail rotates with head support, base stays stationary. A knob permits locking at any position of rotation.

Rotation is 30 deg. each way for Axion 60 and 45 deg each way for Axion 90.

## TURN THE HEAD WHILE MAINTAINING FULL HEAD SUPPORT



Attach the mounted Axion to the hardware on the wheelchair



The head support should follow the head freely as it rotates



The Axion may be used on a wide variety of head supports

|                    | 19 mm (3/4") Ball | 25 mm (1") Ball | For R82 hardware/<br>head support |
|--------------------|-------------------|-----------------|-----------------------------------|
| 60 DEGREE ROTATION | 1280-4461-100     | 1280-4462-100   | 1280-4463-100                     |
| 90 DEGREE ROTATION | 1280-4491-100     | 1280-4492-100   | 1280-4493-100                     |

Axion 90 rail is longer than the Axion 60 rail. The longer rail may project beyond the edge of smaller head supports. If in doubt, choose the Axion 60.

# Pelvi-Loc Hip Belt

Experience ultimate pelvis retraction with the 'Pelvi-Loc' hip belt! These superior high tensile strength 3D retraction belts are suitable for all wheelchair users.

## ENHANCED PELVIC STABILITY FOR FUNCTION AND COMFORT



### BASIC STYLE: EXPOSED BUCKLES, SLIM PAD

Low profile pads which fit securely over the pelvis. Suited for all wheelchairs including manual and power chairs.



### ACTIVE STYLE: COVERED BUCKLES, LARGE PAD

Provides more support and surface area over thighs and has front padded cover over buckles to avoid unintentional opening of the belt and prevent harm to users with uncontrolled arm movements e.g. Athetoid. Suited for sport players.

|         | W/Chair Width | Active Style Mount |            | Basic Style Mount |            | Compact Buckle | Easy Buckle |
|---------|---------------|--------------------|------------|-------------------|------------|----------------|-------------|
| X-SMALL | 6" - 9"       |                    |            | Solid             | 1430-6350- | 024            | 025         |
|         |               | -                  | -          | Webbing           | 1430-6360- | 024            | 025         |
| SMALL   | 8" - 12"      | Solid              | 1430-6371- | Solid             | 1430-6351- | 024            | 025         |
|         |               | Webbing            | 1430-6381- | Webbing           | 1430-6361- | 024            | 025         |
| MEDIUM  | 12" - 16"     | Solid              | 1430-6372- | Solid             | 1430-6352- | 024            | 025         |
|         |               | Webbing            | 1430-6382- | Webbing           | 1430-6362- | 024            | 025         |
| LARGE   | 14" - 18"     | Solid              | 1430-6373- | Solid             | 1430-6353- | 024            | 025         |
|         |               | Webbing            | 1430-6383- | Webbing           | 1430-6363- | 024            | 025         |

## BUCKLE OPTIONS



### EASY BUCKLE

Easily opened for those with limited hand function, e.g. tetraplegics, stroke victims. Add -025 to end of code when ordering.



### COMPACT BUCKLE

Low profile use. Most commonly chosen buckle. Add -024 to end of code when ordering.

## MOUNT OPTIONS



### WEBBING MOUNT

Loop through standard fixings or attach via mounting kit to the seat canes. Most common mount option; however not recommended for clients with strong extensor thrust.



### SOLID MOUNT

Rigid mount which bolts to the chair. For heavy thrusting clients or active sports players to prevent movement.



# Notes

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# medifab

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