Jay Cushions and Backs
„Jay cushions and backs are a reliable support for my patients. The various range of Jay products is an important help for me to find the appropriate product fitting the patients individual needs.“

Stephanie, physical therapist
Compromises in clinical use are not acceptable.

Effectiveness and easy of use are the top priorities.

For this reason, Jay develops products that address the challenges whilst maintaining clinical efficacy.

Every single aspect is thought through, down to the last detail. A portfolio offering solutions that span the continuum of clinical need.

The result is a technological masterpiece: “Jay” combining stability, effective postural and pressure management, easy handling and comfort to the highest degree.
Jay Cushion range

Skin Protection & Positioning
- Foam & increased Fluid/Air
  - Balance
  - J2 and J3
  - Jay GS

Skin Protection
- Foam & Fluid
  - Easy Fluid
  - Xtreme Active
  - Lite
  - Care

Comfort
- Foam
  - Basic
  - Soft Combi P
  - Easy Visco
  - Zip

Positioning
- low
- moderate
- high
## JAY Cushion and Back Range

### Comfort Range

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<tr>
<th>Model</th>
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<tr>
<td>Basic</td>
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<td>Soft Combi P</td>
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<td>Easy Visco</td>
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<td>Zip</td>
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### Skin Protection Range

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<td>Xtreme Active</td>
<td>Skin protection for active users</td>
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<td>Lite Care</td>
<td>Designed for the active client with mild to moderate skin integrity risk</td>
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### Skin Protection & Positioning

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<td>GS</td>
<td>Paediatric stability, positioning, skin protection and growth</td>
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<td>Clients requiring postural back support from mild posterolateral stability to high levels of posterior and lateral support</td>
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<td>J3 Carbon Back</td>
<td>A lightweight and stylish backrest for active users</td>
<td>37</td>
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<td>Easy Back</td>
<td>Easy to prescribe, to order and to use</td>
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<tr>
<td>Zip Back</td>
<td>Designed for pediatrics</td>
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## Clinical Performance Factors

The science and clinical application of mobility seating can be broken down into the following factors:

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### Skin Integrity (Pressure Redirection)

How seating can redirect the client’s weight to reduce peak pressures in critical zones and reduce the risk of skin breakdown

**Skin integrity is optimised by spreading the mass of the client**
- over as wide a surface area as possible
- away from bony prominences to areas that can take load
- by reducing peak pressures in pressure sensitive areas

**Solid materials; including foams, viscos and gels**
- conform to the shape of the client to a varying degree dependant on the type of material (Fig 1 and 2)
- can provide some pressure reduction, BUT as solids there is always a material counterforce
- high compression creates counter-intuitive reactive pressure in the critical areas
- have limited ability to redistribute pressure from pressure sensitive areas

**Liquids and gases (non-Newtonian)**
- differ from solids as they displace, conforming completely to the form of the client without any counterforce working against the client (e.g. floating in a pool. (Fig 3)
- spread pressure evenly across entire body surface in contact (Fig 4)

**Surface tension**

All materials come in a container (cover, sac, foam surface)

Foams, gels, liquids, gases, can only displace and conform to the client’s contours when the surface materials are equally flexible and compliant. Water tightly filled into a flexible rubber ball will only displace as the rubber will flex.

To avoid surface materials restricting compression and displacement, it is essential that they are much larger than the compressing/displacing materials held within.

**Bottoming out**

All benefits of the best displacement/compression materials and the loose covers will be lost if the ischial tuberosities prominences actually pass through into the harder materials underneath!

Clinicians must either ensure the pressure redirection materials allow enough immersion to not hit the bottom or that the cushion structure is designed to suspend and immerse the ITs.
Humidity and Heat Reduction

Certain clients are more at risk of skin breakdown than others. Excellent pressure redirection requires a uniform ‘immersion’ of the client’s surface, and as a result humidity may be created.

The impact of humidity can be reduced but not avoided by ‘wicking’ cover materials, and careful attention needs to be paid to ‘long term’ clients sitting in warm, humid conditions.

- Foams and gels are heat insulators and do not dissipate heat well
- Foams and gels have low thermal mass (seem warmer and can hold heat)
- Liquids and gases conduct and dissipate heat to a certain degree
- Jay Fluid has medium thermal mass
- Air cushions have low thermal mass (seem colder and dissipate heat more effectively)

Rubber and neoprene covers prevent the dissipation of humidity. The key issue is cushion design and the materials surrounding the cushion:

- wicking covers help
- clothing’s critical; e.g. cotton is bad for moisture retention

Clothing and incontinence have a higher impact on humidity than the cushion’s materials themselves.

Weight shifting is critical to heat dissipation as well as to pressure redistribution. Active users usually weight shift to dissipate heat as well as pressure. Passive users can not dissipate their heat by weight shifting.

Select the most suitable seating material based upon the skin assessment

- gases and liquids where the client is at moderate to higher risk
- foam, viscos and gels in lower to moderate risk cases for budgetary and weight benefits

Displacement of fluid/air under the bony prominences alone is not sufficient to preserve skin integrity. Cushion design must also provide stability and positioning of the pelvis and femurs. This minimizes the risk of “bottoming out”.

Shear Reduction

Shear and frictional forces are critical elements in client safety. Clients with a high risk of tissue breakdown may receive good or adequate pressure reduction yet can experience significant friction and shear forces when transferring or sliding forward due to poor positioning.

Foams, viscos and gels are compressible solids which do not displace (fig 1). This creates a “counteractive” response to the client’s horizontal movements which may result in friction and shear in pressure sensitive tissues.

Gases and liquids displace (fig 2) and offer a minimal lateral shear force, which is beneficial at critical points.

As in pressure redistribution, shear and friction can be partially mitigated but is also dependant on the surface tension of the materials. Tight covers and fluid sacs create surface tension of their own!

The perfect seating that offers very low shear would be easy to slide off and poor for stability and positioning if it was the only structure used within the cushion.

The key is to minimise shear in the critical client zones, whilst utilising less sensitive areas to receive the diverted pressure and provide the client with stability and postural support.

Stability

A cushion can only function effectively if the client is ‘stable’ in the specified position for his/her activities and pressure can be effectively redistributed. The key is to stabilise the pelvis:

**Anterior/Posterior Stability:** by ensuring that the pelvic loading area (well) has adequate depth to allow immersion of the ischial tuberosities with the trochanters/femurs supported and the presence of the anterior shelf, the pelvis is stabilized in optimal AP alignment.

A solid back rest to provide posterior pelvic support is highly recommended to facilitate this alignment and minimize posterior pelvic tilt.

**Lateral Stability:** simple visco, gel, fluid or air cushions may provide initial pressure reduction, but will not function effectively if it cannot provide stability.

Whilst a ‘well’ (pelvic loading area) can be deep for the Ischial Tuberosities, the trochanters should be well supported to reduce lateral tilt resulting in pelvic obliquity. Not only does this improve client activity and posture, but it also reduces the likelihood of increased pressure on one Ischial creating the risk of bottoming out.

Cushions made for pressure reduction should also provide a firmer surrounding structure to stabilise the client when stability is a desired outcome.
Clinical Performance Factors

Positioning

Stability and positioning are very similar concepts. This may involve a combination of increasing or customizing contours of the cushion itself (contouring for pelvis, trochanters and thighs), the positioning of the wheelchair seating platform and the choice and application of the backrest system.

Positioning becomes critical where clients have postural deformity. These clients may require a ‘custom configuration’ of fluid pads, additional stability supports and/or ‘cut outs’.

Positioning cushions have much firmer bases than ‘comfort products’ to ensure that they carve correctly and that additional positioning elements are held firmly in place.

Approximately 30% of all clients will need specialist positioning, and it is here that clinicians use their specialist skills with positioning cushions and modular accessories (e.g. Jay J3 or J2).

Seating Tolerance

Comfort is subjective, but seating tolerance can be considered to be an objective measure. It is essential to assess this in relation to the time the client expects to spend in the chair. Short term users may only be interested in the initial comfort, but it is essential that longer term users assess cushion comfort over a period of several hours.

Clients need to balance their comfort perceptions with their stability, pressure redirection, physical and positioning requirements. Clearly a very soft cushion may provide excellent comfort, but will not provide stability and may be too high to provide suitable seat to floor height.

Positioning cushions may not be as ‘comfortable’ as a product that does not offer positioning. To maximize seating tolerance it is necessary to optimize pressure redistribution and shear reduction, maximize stability and positioning but also take into account comfort.
Functional Seating Characteristics

Size Range
We offer a lot of sizes, please see individual cushion for available sizes.

Client Weight
A client with a weight higher than the maximum user weight stated on the cushion runs the risk of bottoming out. Pay attention to the larger sizes of a cushion range where a client could exceed specified limits.

Seat to Floor Height
Seat to floor height of the client on the cushion in their chair is important to ensure the clients can assess their environment. Active users often request low seat to floor height and low cushion weight, but need to retain pressure reduction and stability. Specialist active cushions exist (e.g. Jay Active, Jay Easy Fluid). Cushions offering protection for high risk clients via deeper immersion e.g. the J2 Deep Contour or J3 Deep Contour also comes with optional drop seats to address seat to floor height.
Cushion Weight
Relevant to active users for ease of vehicle transfers and for wheelchair propulsion.

Cushion Longevity
- Cushions are supplied with a fixed period of guarantee, for example 12 months to 5 years.
- Cushions made from a moulded open cell foam are softer and more comfortable for the user but also provide increased durability than non moulded open cell foam cushions.

Measuring the Jay Cushions
Measuring Jay cushions for the wheelchair is done in the following ways;

Fig A: Basic, Soft Combi P, J2, J2 DC, GS
Fig B: Easy Visco, Easy Fluid, Active, Xtreme, Jay Lite, J3, J3 DC

Please note, the cushions’ dimensions are measured with the cover.
Basic
Long life comfort

Product Features:
- Durable moulded foam contoured for mild lateral and posterior stability
- Bevelled base for use with seat sling
- Incontinence cover

Clinical Application:
- Client requires comfort with minimal postal support
- Low risk of skin breakdown or shear, intact skin integrity
- Independent weight shifts
- Intermittent wheelchair user

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These sizes are available, please see your order form for modifications or special sizes.
Soft Combi P
Comfort and Positioning

Product Features:

- Premoulded incontinence resistant coated foam base
- Deeper leg trough and medial thigh and trocantetic support
- Easy-clean sealed foam with black incontinence cover
- Flat base
- Option of solid seat insert for sling seat use

Clinical Application:

- Designed for clients with symmetrical posture needing minimum to moderate postural support
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Low risk of skin breakdown
- Independent weight shifts

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- weight cushion 40x40cm 0.8 kg
- max. user weight 150 kg
- Guarantee 5 years

These sizes are available, please see your order form for modifications or special sizes.
Easy Visco
High level comfort and positioning with mild pressure redistribution

**Product Features:**
- Lightweight precontoured foam with medial/lateral thigh support
- Visco elastic foam in the seat well to allow immersion of the ischial tuberosities and load distribution to the femurs
- Sacral and seat rail notches
- Curved or flat base for use with solid or sling seat
- Incontinence cover as standard with option for microclimatic cover
- Solid seat (as option)

**Clinical Application:**
- Client with mild symmetric or asymmetric posture and moderate postural support requirements
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Clients with low to moderate risk of skin breakdown and low shear risk
- Independent weight shifts

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- Weight cushion 40x40 1,06 kg
- Max. user weight 150 kg
- Guarantee 2 years

These sizes are available, please see your order form for modifications or special sizes.
Jay Zip
A comfortable, clinically effective cushion designed uniquely for kids

Product Features:

- Duals layered contoured foam base for mild positioning
- Soft and stretchable outer cover; 3DX™ fabric spacer underneath promotes air movement
- Outer cover available in pink, blue and black
- Stretchable water resistant incer cover which is easy to wipe off

Clinical Application:

- The Jay Zip cushion is designed through the use of anthropometric data so they are specially sized to meet a pediatric client’s unique needs.
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Pediatrics with low to moderate risk of skin breakdown
- Independent weight shifts

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- Weight cushion 30x30cm: 0.9 kg
- Max. user weight: 75 kg
- Guarantee: 2 years

These sizes are available, please see your order form for modifications or special sizes.
Easy Fluid
Skin integrity with stability

Product Features:
- Lightweight precontoured foam base with sacral and seat rail notches
- The built-in medial and lateral thigh support promotes optimal thigh positioning
- Choice of curved or flat base for use with solid or sling seat
- Choice of incontinence or microclimatic cover
- Solid seat (as option)

Clinical Application:
- Client with symmetrical and mild asymmetrical posture and moderate postural support requirements
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Moderate risk of skin breakdown and shear
- Independent weight shift

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- Weight cushion 40x40cm: 1.4 kg
- Max. user weight: 150 kg
- Guarantee: 2 years

These sizes are available. Please see your order form for modifications or special sizes.
Product Features:

- A lightweight and lowprofile cushion for an active performance and easy transfers
- The cushion offers two different fluid pad options: the standard fluid pad and the large fluid pad for advanced muscle atrophy
- The dual cover system promotes air flow and dissipates heat and moisture effectively
- Thighs positioning can be achieved through retrofittable leg support components.

Clinical Application:

- Active client with moderate to high risk of skin breakdown and shear
- Moderate to high skin protection and client does not want to go to a heavier, high profile cushion
- Symmetrical or mildly assymetrical posture requiring minimal support
- Client able to perform an independent weight shift

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Seat depth

Seat width

Height (in cm) | Maximum Height
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5            | 9

- Standard fluid pad with standard base.
- Large fluid pad in case of advanced muscle atrophy. It comes with a base with a larger pelvic load area.

These sizes are available, please see your order form for modifications or special sizes.
Lite
Specifically designed for the active client seeking minimal weight

Product Features:
- Firm, extremely lightweight, breathable, airflow layered foam base with ischial cut outs
- Excellent lateral and forward/rearward stability achieved via combination of Optiwell™ technology and firmness layering in base – “the pelvis fits the well”
- Optiwell technology, ischial cut-outs and scooped foam in pelvic loading area (PLA) effectively redistribute pressure away from the ‘at risk’ bony prominences
- Microclimatic cover with 3DX™ spacer fabric for heat and moisture dissipation

Clinical Application:
- Symmetrival client requires comfort with minimal weight but mild/moderate postural support
- Mild to moderate lateral and forward/rearward stability needs
- Moderate risk of skin breakdown
- Able to perform independent weight shifts
- Requires heat and moisture dissipation

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<tr>
<th>Depth (cm)</th>
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<table>
<thead>
<tr>
<th>Weight (in cm)</th>
<th>Maximum Height</th>
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<tbody>
<tr>
<td>weight cushion 40x40 cm</td>
<td>8,7 kg</td>
</tr>
<tr>
<td>max. user weight</td>
<td>113 kg</td>
</tr>
<tr>
<td>Guarantee</td>
<td>2 years</td>
</tr>
</tbody>
</table>

These sizes are available, please see your order form for modifications or special sizes.
Care

Designed specifically to address the needs of the elderly client

Product Features:

- Contoured shape for symmetrical positioning and both forward/rearward and lateral stability
- “Fluid Tripad” incorporates three sections to ensure fluid remains under ischials with Jay Flow also protecting thighs and acting as incontinence resistant casing
- Longer seat well to accommodate sacral sitter
- Bevelled base for use with sling seat, impermeable and non-skid bottom
- Washable stretch cover
- One piece sealed system (except cover) so is easy to clean and re-apply to new clients

Clinical Application:

- Sacral sitter with symmetrical posture requiring moderate postural support
- Moderate risk of skin breakdown
- Can perform an independent weight shift

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Height (in cm)</th>
<th>Maximum Height</th>
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<tbody>
<tr>
<td>cm</td>
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</table>

Weight cushion 41x43cm 2,3 kg
max. user weight 113 kg
Guarantee 2 years

These sizes are available, please see your order form for modifications or special sizes.
Optimized for skin protection, stability and comfort

Features:
- New features as the contoured thick soft foam layer that prevents IT and trochanter contacts
- The new PLA shape with close rear wall to avoid fluid migration
- The new design of the fluid pad is low maintenance
- The dual cover system offers a high degree of skin protection and comfort
- Three different covers available: microclimatic, incontinence and stretch

Clinical Application:
- Cushion allows envelopment and immersion of the prominent bony areas of the pelvic, maximising pressure redistribution and maintaining skin integrity
- Maximum stability and positioning is achieved thanks to the PLA design based on anthropometric measurements
- The positioning elements can be fitted in the inner cover which encourages orthopedic alignment, increases sitting tolerance and accommodates changing user needs

The Multi-Layered, Contoured Foam Base

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<th>cm</th>
<th>34</th>
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<td>Seat width</td>
<td>40x46 cm</td>
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<td>weight cushion 40x46 cm</td>
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</table>
The field-adjustable positioning components

With the optional positioning components the pelvic and thighs can be properly positioned for many clinical applications.

JAY Flow Fluid™ or ROHO Dry Floatation™ Air Inserts

The Balance may be ordered with JAY Flow fluid or ROHO air inserts, which conform to each individual’s shape, adjust to sitting positions, and ensure proper fluid placement beneath bony prominences to help protect the skin from breakdown.

Innovative, Dual-Cover System

Balance cushion features a dual-cover system.

The inner cover is water-resistant and easy to wipe off and clean, while its Aqua-guard zipper and antiwicking thread ensure that the foam base stays dry.

The microclimatic outer cover dissipates heat and moisture for additional skin protection. Optionally the Balance is also available with an outer stretch or incontinent cover. All covers are machine washable at 60°C and quick to dry.
J2
Stability and positioning with skin integrity protection

Product Features:
- Firm base, anatomical well, femoral loading
- Carveable base for build-ups, cut outs and customisation
- Jay Fluid Tripad for ischial immersion and envelopment
- Wide range of and postural support accessories
- Air exchange cover as standard, incontinence resistant cover and solid seat are options

Clinical Application:
- Client with high risk of skin breakdown and shear
- Designed for the client with symmetrical posture to aggressive postural needs that change over time
- Clients unable to weight shift; limited postural stability and unable to reposition

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<th>Depth (cm)</th>
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Height (in cm) | Maximum Height
---|---
8 | 9

Weight cushion 39x41 cm: 2 kg
Max. user weight: 150 kg
Guarantee: 2 years

These sizes are available, please see your order form for modifications or special sizes.
J2 Deep Contour
Stability and positioning with extreme skin risk

Features:
- Firm base; anatomically correct well
- Carveable base for build-ups, cut outs and customisation
- Jay Deep Fluid Tripad with soft foam overlay
- Wide range of postural support accessories
- Air exchange cover as standard, incontinence resistant cover and solid seat inserts are options

Clinical Application:
- Designed for the client with extreme long term risk of skin breakdown and symmetrical to aggressive postural needs
- Unable to weight shift or reposition

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- Weight cushion 41x41cm.: 2.4 kg
- Max. User weight: 150 kg
- Guarantee: 2 years

These sizes are available, please see your order form for modifications or special sizes.
J3 Standard and Deep Contour Cushion

Features:
- Precontoured, carvable, closed cell foam base with Optiwell™ technology i.e. anthropometrically designed pelvic loading area (PLA)
- Two Depths Versions
- Optiwell Technology
- The Choice of Fluid or Air PLA inserts
- Microclimatic or incontinence cover options. Comfort layer is integral to cover
- Modification possibilities

Clinical Application:
- Client at high (std. cushion) to extreme (deep contour cushion) risk of skin breakdown with or without aggressive postural needs
- Symmetrical to significant postural needs requiring laterally, forward/rearward stability and/or positioning
- May be unable to reposition or perform an independent weight shift

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Max. Height (standard) 9,5 cm
Max. Height (Deep) 10,8 cm

- Weight cushion 40x40cm 1,9 kg
- Max. user weight 150 kg (width 30-50cm)
- 227 kg (width 56-60cm)

Guarantee 2 years

These sizes are available, please see your order form for modifications or special sizes.
The cushion offers two contour depths

Standard contour: High skin risk client

Deep contour: Highest level of skin risk – requires maximum immersion due to significant muscle atrophy

The choice of Fluid or Air technology

Fluid Inserts:
Factory Filled (FF) PLA insert; also as Field Variable (FV) available

The Jay Flow Fluid Technology is the optimal choice when ease of use and minimal maintenance is priority.

Roho® Air Inserts:
Air Single Valve (AS) PLA insert; also as Air Dual Valve (AD) for asymmetric adjustments available

The air insert is the optimal choice when easy or ongoing adjustment is required or a lighter weight solution is desired.

Different cover options

J3 offers two covers, the microclimatic and the incontinence cover.

Reticulated foam comfort layer within cover results in increased sitting tolerance. Comfort is critically important as discomfort can result in pain, fatigue, increased tone and equipment abandonment. The cover is oversized to reduce the surface tension and therefore allowing optimal immersion of the pelvis into the insert. Cleaning is easy, is machine-washable.
Accessories
J2, J2 Deep Contour and J3 modifications

All cushions can be modified, and offer excellent positioning possibilities. We offer a variety of positioning components, from single accessories to complete kits, including:

- Lateral thigh supports
- Medial thigh supports
- Lateral pelvic supports
- Pelvic obliquity wedges
- Solid seat

Cutting and/or carving the base will not damage the structural integrity of the closed cell foam base.

An one-time, free replacement base will be supplied if a mistake is made during carving the base.
GS cushion

Designed for the paediatric client with moderate to aggressive asymmetric posture and high postural support requirements

Features:
- Lightweight foam base with growth capability via well inserts and a wide range of postural support. Contracutre cuts to accommodate tight hamstring
- Jay Flow fluid pad
- For added skin protection there is a pressure relief pad with more fluid
- Incontinence resistant cover as standard (air exchange cover as option)

Clinical Application:
- Designed for the client with symmetrical and asymmetrical posture to aggressive postural needs that change over time
- Clients unable to weight shift; limited postural stability and unable to reposition
- Designed to grow with the child

<table>
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<tr>
<th>Depth (cm)</th>
<th>Seat width</th>
<th>Seat depth</th>
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<tbody>
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</table>

**Weight and Maximum User Weight**
- weight cushion 25x33cm: 0.6 kg
- max. user weight: 113 kg
- Guarantee: 2 years

These sizes are available, please see your order form for modifications or special sizes.
For moderate to high positioning needs, the JAY J3 backrest offers the widest range of sizes, shapes and options for clients that require a precisely fitted and individually tailored backrest.

The anthropometrically designed J3 is available in widths from 31cm to 51cm, four back heights, four support shapes all offering a full selection of contours to meet client needs from active manual chair users, right through to passive powerchair users.

- Suitable for moderate to high positioning
- Ability to customise and tailor to the individual
- Provides a precise fit for client (size, shape, heights, adjustment range, options)
- Lightweight design (ideal for active manual chair users but also suitable for power wheelchair users)
- Easy fitting 2 or 4 point adjustable mounting hardware
J3 Backs - Contours

Five contour depths

**Shallow contour**
Moderate lateral support
5 cm

**Mid contour**
Medium lateral support
8 cm

**Deep contour**
Full lateral support
15 cm

**Mid deep contour**
Full lateral support
15 cm

**Posterior deep contour**
Full lateral support
15 cm
Four levels of support

<table>
<thead>
<tr>
<th>Back Location</th>
<th>Code</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shoulder Height</td>
<td>SH</td>
<td>53-61 cm</td>
</tr>
<tr>
<td>Upper Thoracic Height</td>
<td>UT</td>
<td>42-50 cm</td>
</tr>
<tr>
<td>Mid Thoracic Height</td>
<td>MT</td>
<td>30-38 cm</td>
</tr>
<tr>
<td>Lower Thoracic Height</td>
<td>LT</td>
<td>17-24 cm</td>
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</table>

Three back support heights

Two individuals may both require support at the same location on the spine; however, due to differences in height, they still require different height backs. This is why each support height is available in 3 different individual heights.
**J3 Backs - Range overview**

These contour depths and back heights are available in the following combinations:

<table>
<thead>
<tr>
<th>Lower thoracic (LT)</th>
<th>Mid thoracic (MT)</th>
<th>Upper thoracic (UT)</th>
<th>Shoulder height (SH)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="" alt="Shallow Contour (SC)" /></td>
<td><img src="" alt="Mid Contour (MC)" /></td>
<td><img src="" alt="Deep Contour (DC)" /></td>
<td><img src="" alt="Mid Deep Contour (MDC)" /></td>
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<tr>
<td><img src="" alt="Posterior Deep Contour (PDC)" /></td>
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Laterals, headrest and harnesses available for SC, MC, DC, MDC and PDC:

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<thead>
<tr>
<th>Laterals, headrest and harnesses available for SC, MC, DC, MDC and PDC</th>
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</thead>
<tbody>
<tr>
<td><img src="" alt="Shallow Contour (SC)" /></td>
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</tbody>
</table>

Widths available:

- 31, 36, 41, 46 and 51cm
- 31, 36, 41, 46 and 51cm
- 36, 41, 46 and 51cm
- 36, 41, 46 and 51cm
- 36, 41, 46 and 51cm
J3 Backs - Spine-align package

Very versatile spine-align package

**Spine Align Kit**
- Shaping components to optimise postural stability and provide correction/accommodation of mild to moderate postural deformity
- Loading area can be maximized for skin integrity preservation
- Create reliefs
- Comfort and sitting tolerance

Different kits available, 7, 12 or 36 pcs.
Ease of use – JAY mount hardware

The Jay Mount hardware is easy to fit, easy to remove, compact in size and packed with adjustments. You can even adjust the back with the client in the chair!

Multiple hardware mounting locations that did not alter the required backrest position

Frequently obstructions such as towel bars and armrests receivers force clinicians, dealers and technicians to make compromises. The unique 2-point attachment occupies as little space as possible and mounts without effecting the user's fit.

4-point attachment:
- Heavy duty hardware to provide added stability for the client with high tone or excessive movement
- Available on Upper Thoracic and Shoulder Height
- Same angle and depth adjustability
- Available as a retro-fit kit

Multi-Tubing Compatibility
- Revolutionary hinged clamp design that is compatible with most wheelchairs on the market
- Compatible with 2,22 cm (7/8”) – 3,18 cm (1 ¼”) tubing
- Even mounts to non-traditional tubing such as double “D” tubing

To provide up to 22° of backrest angle adjustability, without reducing seat depth

Jay Mount hardware was designed to minimise loss of seat depth. Depth adjustability of 5cm or 8.2cm (with extended hardware) is also available independent of angle adjustability.
J3 Backs - Options and Accessories

Options and Accessories

**Headrests**
- Standard headrest: occipital/suboccipital support
- Contour headrest: added lateral support

**Lateral Supports**
- Lateral support - fixed or swing away
  - Available in 6 sizes: 10x10cm, 10x12cm, 10x15cm, 15x10cm, 15x12cm and 15x15cm

**Chest straps and harnesses**
- Available in 4 sizes (S, M, L and XL)

All J3 backs that can accommodate headrests have been tested and approved for transit against relevant ISO standards.
J3 Carbon Backs
Feel the difference

IT’S SO LIGHT...

Carbon is lightweight and strong – therefore the ideal material for this backrest. Offering the same strength as aluminium (but 60 % lighter), the J3 Carbon back reduces the weight that a wheelchair user has to push, day-by-day.

... AND STYLISH

The J3 Carbon back will also impress with its unique and beautiful finish. An active and clean design combined with an elegant appearance – the stage is truly yours.
J3 Carbon Back - The support needed to be active

The J3 Carbon back provides great stability and comfort. Through the right pelvis support it offers firm stabilisation of the upper trunk and encourages an optimal spinal curve. This enhances the stability you need for a very active life, reduces back pain and provides a great comfort.

For all types of chairs

Whether a rigid or folding frame is used, the J3 Carbon is the proper back. The fixed or quick release version fit on all types of chairs.

Two different mounting systems for folding and rigid chairs available

The J3 Carbon back is available with two different mounting systems. The fixed system offers rigid wheelchair users a mounting option that’s extremely weight optimised. Alternatively, the quick-release system allows the backrest to be easily removed, ideal for mounting on a folding wheelchair. Regardless of choice, both mounting systems are designed as easy-to-handle, 2-point mounting systems and offer the same adjustments in angle, depth, height and width.
Choose your back...!

Different needs demand adequate solutions. The four back heights (from 17 to 38 cm) focus on the active user with a need for low to moderate posterior trunk support. Mild lateral trunk support is also given by the 5 cm contour depth.

Where are the keys?

The user now have somewhere to store those easy to misplace items with the new accessory bag. Not only will it keep all of the valuables in one place, but it also smartly covers the gap between the back and cushion.
With the JAY experience in seating and positioning, the JAY EASY backrest is designed to offer simple, comfortable and effective support.

**Versatile One-step Release Hardware**

The hardware is easy to operate and to adjust for an optimal back support.

- Backrest can be released with only one hand. Unlock system on both sides with the cord then angle backrest and pull up to take it out of the fixation
- Hardware fits on all commonly used back tubes: 1.9 cm with insert, 2.2 – 2.3 cm with insert or 2.5 cm without insert
- Adjustable in height, width, depth and back angle with just one tool

**Innovative Cover Technology**

JAY EASY Back comes with a microclimatic cover and a soft foam underneath for maximum comfort and user protection.

- 3DX™ spacer fabric vents both heat and moisture and increases air flow
- Cover is machine washable at 60°C and quick to dry
- Shape of the back can be easily adapted to the user through lumbar pads
Jay Easy Back

Choose your level of support

The JAY EASY Back system supports an upright posture and provides a stable and ergonomic seating position. The JAY EASY Back offers two different types of contours for an increased trunk stability depending on users needs.

- Shallow Contour: Mild lateral trunk support
- Posterior Deep Contour: High lateral trunk support

Different conditions and needs of the client demand adequate solutions. The three different heights focus on users with a need for moderate to full posterior support.

- Mid Thoracic, 38 cm
- Upper Thoracic, 46 cm
- Shoulder Height, 53 cm
Jay Zip Back

The JAY Zip backrest was designed through the use of anthropometric data so they are specially sized to meet a pediatric client’s unique needs. It is an ultra lightweight backrest that features X-static™ and Aquaguard™ cover technologies as well as adjustable, one step release hardware to accommodate a wide range of mounting locations and user presentations.

**Versatile One Step Release Hardware**
- Easy one step release
- Fits on wide range of tubing: 1.9 cm with inserts; 2.2 - 2.3 cm with inserts or 2.5 cm without insert
- One tool adjustments

**Convenient & Antimicrobial**

*Outer Cover*
- Machine washable and quick to dry
- Extra layer of microclimatic spacer fabric for comfort
- Safe non-toxic material

*Inner Cover*
- Easy to wipe off
- Aquaguard™ zipper resists moisture
- Anti-wicking seam thread protects foam base

<table>
<thead>
<tr>
<th>Backrest width:</th>
<th>20 / 25 / 30 / 35 cm</th>
<th>Back angle:</th>
<th>+20° to -20°</th>
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</thead>
<tbody>
<tr>
<td>Backrest height:</td>
<td>15 / 20 / 25 / 30 cm</td>
<td>Width adjustability:</td>
<td>+2.5 cm</td>
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<tr>
<td>Transport weight:</td>
<td>1.1 kg</td>
<td>Depth adjustability:</td>
<td>7.5 cm</td>
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<td>Max. user weight:</td>
<td>75 kg</td>
<td>Accessories:</td>
<td>Headrest, Lateral support, spine align positioning components, chest strap, vanity flap and spare cover</td>
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</tbody>
</table>
Knowledge for the future

Our STEPS workshops provide greater knowledge, better product awareness, and more understanding for individual requirements to employees in medical and rehabilitation centres, as well as clinic and hospital personal.

Sunrise Medical provides a full STEPS clinical, product and technical training programme open to clinical and commercial customers. The modules include;

- Seating and positioning
- Powered wheelchair mobility
- Manual wheelchair mobility
- Paediatric wheelchair mobility

www.SunriseMedical.com