

## 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



# Superior Clinical Seating

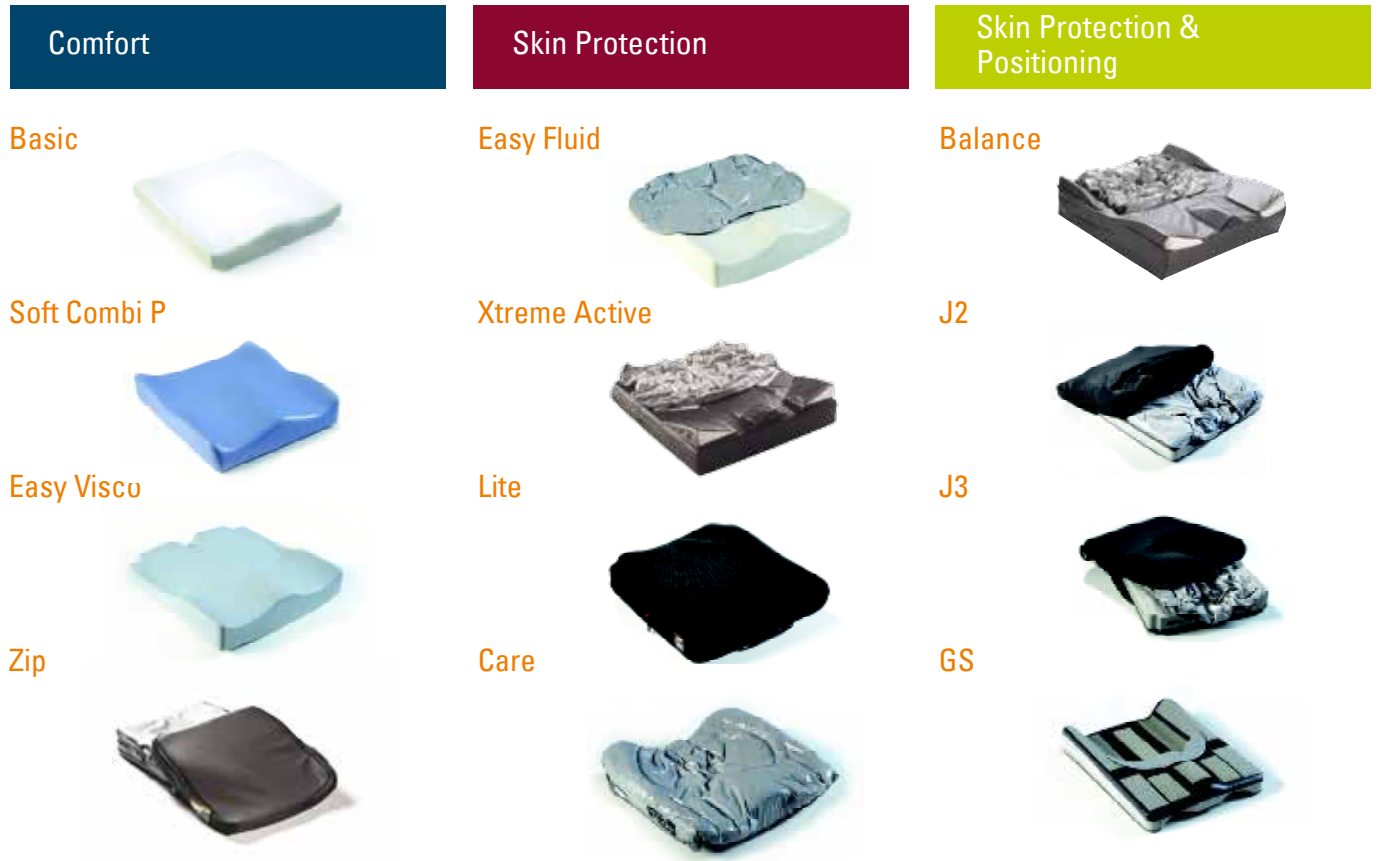
Compromises in clinical use are not acceptable.

Effectiveness and easy of use are the top priorities.

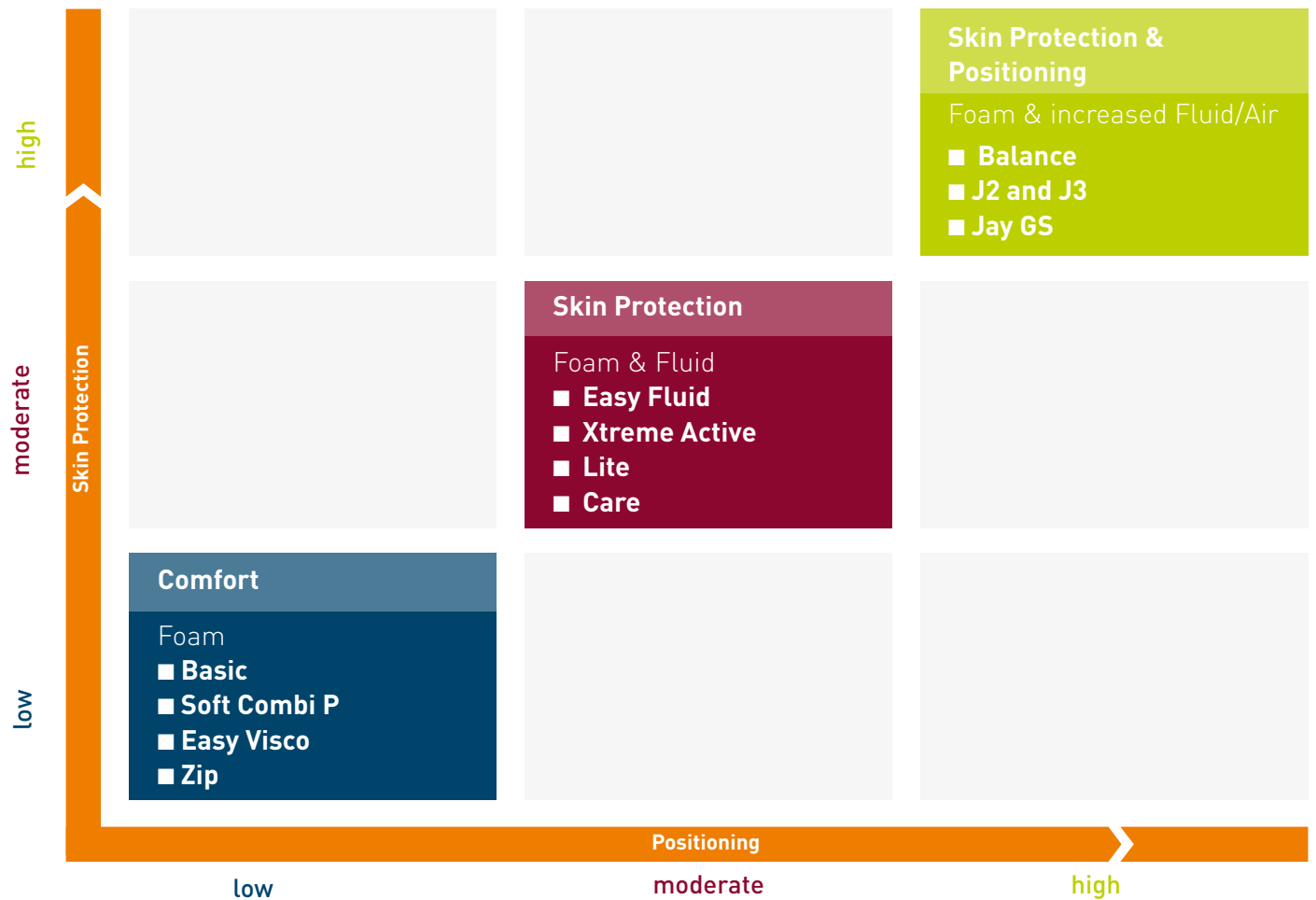
For this reason, Jay develops products that address the challenges whilst maintaining clinical efficacy.

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



# JAY Cushion and Back Range

## Comfort Range

<b>Basic</b>	Long life comfort	12
<b>Soft Combi P</b>	Long life stability	13
<b>Easy Visco</b>	High level comfort and stability	14
<b>Zip</b>	Designed to meet the pediatric client's unique needs	15

## Skin Protection Range

<b>Easy Fluid</b>	Skin integrity with stability	16
<b>Xtreme Active</b>	Skin protection for active users	17
<b>Lite</b>	Designed for the active client with mild to moderate skin integrity risk	18
<b>Care</b>	Elderly care and posture	19

## Skin Protection & Positioning

<b>Balance</b>	Perfect balance between skin protection and stability	20
<b>J2</b>	Stability and positioning with skin integrity protection	22
<b>J2 DC</b>	Stability and positioning with extreme skin integrity risk	23
<b>J3, J3 DC</b>	Complex options for complex needs	24
<b>GS</b>	Paediatric stability, positioning, skin protection and growth	27

## Backs

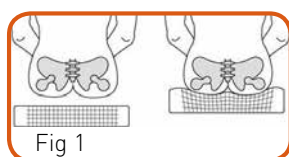
<b>J3 Back</b>	Clients requiring postural back support from mild postero-lateral stability to high levels of posterior and lateral support	29
<b>J3 Carbon Back</b>	A lightweight and stylish backrest for active users	37
<b>Easy Back</b>	Easy to prescribe, to order and to use	40
<b>Zip Back</b>	Designed for pediatrics	42

# Clinical Performance Factors

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

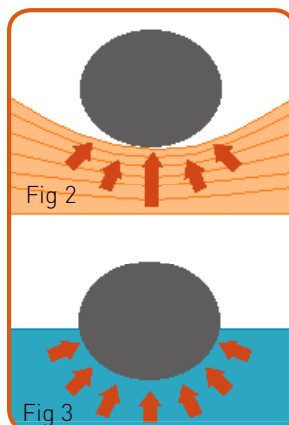
## Skin Integrity (Pressure Redirection)

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



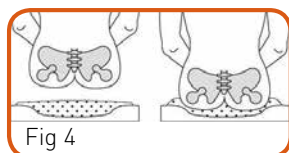
### Skin integrity is optimised by spreading the mass of the client

- 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

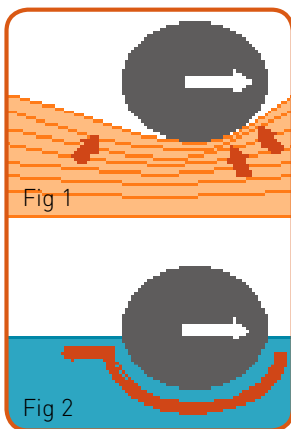
- gases and liquids where the client is at moderate to higher risk
- foam, viscos and gels in lower to moderate risk cases for budgetary and weight benefits

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.

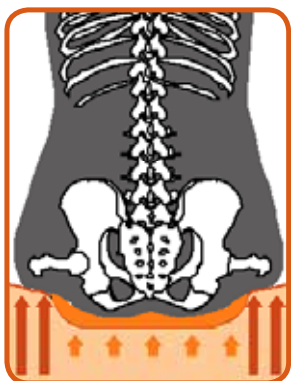
As in pressure redistribution, shear and friction can be partially mitigated but is also dependant on the surface tension of the materials. Tight covers and fluid sacs create surface tension of their own!

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)

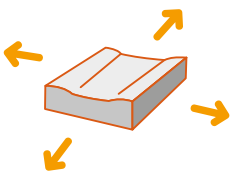
## Seating Tolerance

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.

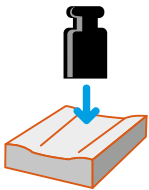
Positioning cushions may not be as 'comfortable' as a product that does not offer positioning. To maximize seating tolerance it is necessary to optimize pressure redistribution and shear reduction, maximize stability and positioning but also take into account comfort.

# Functional Seating Characteristics



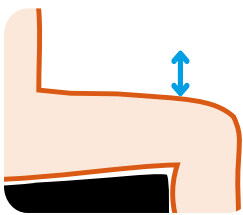
## Size Range

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.



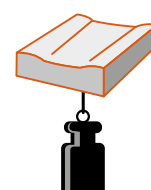
## Seat to Floor Height

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.



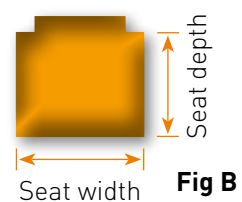
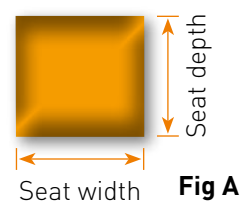
### Measuring the Jay Cushions

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.





COMFORT

# 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:

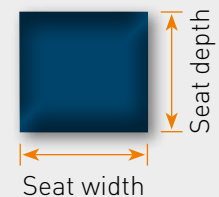
- Client requires comfort with minimal postal support
- Low risk of skin breakdown or shear, intact skin integrity
- Independent weight shifts
- Intermittent wheelchair user



Depth	Width											
cm	25	30	35	38	40	42	44	46	48	50	56	60
25												
30												
35												
40												
42												
44												
46												
50												
56												
60												

Height (in cm)		Maximum Height
Front	Rear	
4,8	4,7	6,3

weight cushion 40x40	0,7 kg
max. user weight	125 kg
Guarantee	2 years



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 trocantic support
- Easy-clean sealed foam with black incontinence cover
- Flat base
- Option of solid seat insert for sling seat use

## Clinical Application:

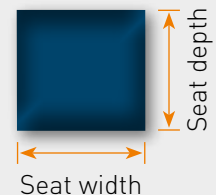
- Designed for clients with symmetrical posture needing minimum to moderate postural support
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Low risk of skin breakdown
- Independent weight shifts



Depth	Width											
cm	25	30	35	38	40	42	44	46	48	50	56	60
25												
30												
35												
40												
42												
44												
46												
50												
56												
60												

Height (in cm)		Maximum Height
Front	Rear	
5,9	4,4	7,7

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



Depth	Width											
cm	25	30	35	38	40	42	44	46	48	50	56	60
25												
30												
35												
40												
42												
44												
46												
50												
56												
60												

Height (in cm)		Maximum Height
Front	Rear	
6,3	6	8,8

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 inner 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



Depth	Width										
cm	20	22	24	26	28	30	32	34	36	38	40
20											
22											
24											
26											
28											
30											
32											
34											
36											
38											
40											
42											
44											
46											

Height (in cm)		Maximum Height
Front	Rear	
5	4,5	6

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:

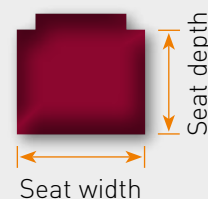
- Client with symmetrical and mild asymmetrical posture and moderate postural support requirements
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Moderate risk of skin breakdown and shear
- Independent weight shift



Depth	Width											
cm	25	30	35	38	40	42	44	46	48	50	56	60
25	■	■										
30	■	■	■									
35		■	■	■								
40			■	■	■	■	■	■				
42				■	■	■	■	■	■	■		
44				■	■	■	■	■	■	■	■	
46			■	■	■	■	■	■	■	■	■	■
50								■	■	■	■	■
56											■	■
60												■

Height (in cm)		Maximum Height
Front	Rear	
6,3	6	8,8

weight cushion 40x40cm	1,6 kg
max. user weight	150 kg
Guarantee	2 years



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





## Xtreme Active

Skin protection for active users

SKIN PROTECTION

### 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 asymmetrical posture requiring minimal support
- Client able to perform an independent weight shift



→ **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.

Depth	Width									
cm	34	36	38	40	42	44	46	48	50	
34	■	■								
36	■	■								
38		■	■	■	■	■				
40		■	■	■	■	■	■			
42		■	■	■	■	■	■	■		
44			■	■	■	■	■	■	■	
46				■	■	■	■	■	■	
48					■	■	■	■	■	
50						■	■	■	■	

Height (in cm)	Maximum Height
Front	9
5	

weight cushion 40x40cm	1,7 kg
max. user weight	150 kg
Guarantee	2 years

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

# Lite

Specifically designed for the active client seeking minimal weight

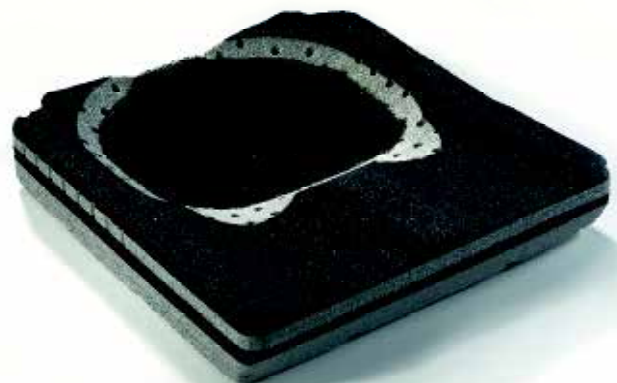


## Product Features:

- 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:

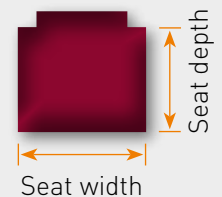
- Symmetrical client requires comfort with minimal weight but mild/moderate postural support
- Mild to moderate lateral and forward/rearward stability needs
- Moderate risk of skin breakdown
- Able to perform independent weight shifts
- Requires heat and moisture dissipation



Depth	Width									
cm	35	38	40	42	44	46	48	50	56	60
35										
38										
40										
42										
44										
46										
50										
56										
60										

Height (in cm)		Maximum Height
Front	Rear	
8	8	9,5

weight cushion 40x40cm	0,7 kg
max. user weight	113 kg
Guarantee	2 years



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:

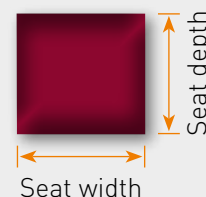
- Sacral sitter with symmetrical posture requiring moderate postural support
- Moderate risk of skin breakdown
- Can perform an independent weight shift



Depth	Width		
	40	45	50
40			
45			
50			

Height (in cm)		Maximum Height
Front	Rear	
10,1	10,1	10,5

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.



# Balance

Skin protection & positioning cushions

## 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

cm	34	36	38	40	42	44	46	48	50	56	60
34	■										
36	■	■									
38	■	■	■								
40	■	■	■	■							
42	■	■	■	■	■						
44	■	■	■	■	■	■					
46	■	■	■	■	■	■	■				
48	■	■	■	■	■	■	■	■			
50	■	■	■	■	■	■	■	■	■		
56	■	■	■	■	■	■	■	■	■	■	
60	■	■	■	■	■	■	■	■	■	■	■
PLA	A			B				C			

<b>Max. Height [standard]</b>	8,5 cm
weight cushion 40x46cm	2,4 kg fluid insert 1,9 kg air insert
max. user weight	136 kg (width 34-50cm) 225 kg (width 56-60cm)
Guarantee	2 years

The perfect balance between skin protection and stability



### 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.



### The field-adjustable positioning components

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



### 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:

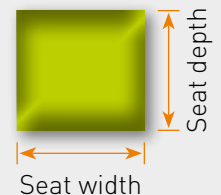
- Client with high risk of skin breakdown and shear
- Designed for the client with symmetrical posture to aggressive postural needs that change over time
- Clients unable to weight shift; limited postural stability and unable to reposition



Depth	width					
cm	36	39	43	46	51	61
41						
43						
46						
51						

Height (in cm)		Maximum Height
Front	Rear	
8	8	9

weight cushion 39x41cm	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:

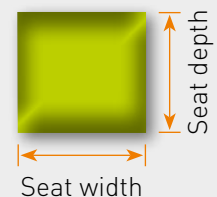
- Designed for the client with extreme long term risk of skin breakdown and symmetrical to aggressive postural needs
- Unable to weight shift or reposition



Depth	Width							
cm	36	38	41	43	46	51	56	61
36								
38								
41								
43								
46								
51								

Height (in cm)		Maximum Height
Front	Rear	
10	10	11

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

Designed for the client with complex needs

## 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:

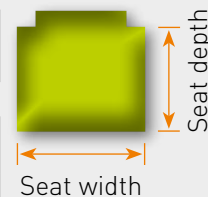
- Client at high (std. cushion) to extreme (deep contour cushion) risk of skin breakdown with or without aggressive postural needs
- Symmetrical to significant postural needs requiring laterally, forward/rearward stability and/or positioning
- May be unable to reposition or perform an independent weight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



cm	30	35	38	40	42	44	46	48	50	56	60
30											
35											
38											
40											
42											
44											
46											
48											
50											
56											
60											

<b>Max. Height [standard]</b>	9,5 cm
<b>Max. Height [Deep]</b>	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 un symetric 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:

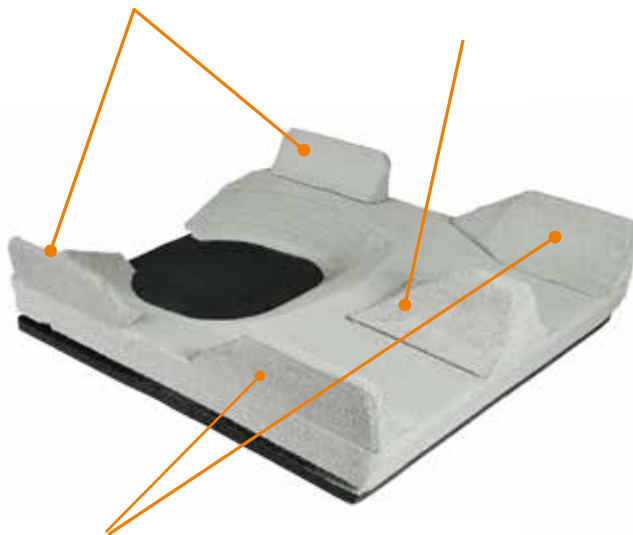
- Lateral thigh supports
- Medial thigh supports
- Lateral pelvic supports
- Pelvic obliquity wedges
- Solid seat

### J3 accessories



lateral pelvic supports

medial thigh support



lateral thigh supports



J2 and J2 DC accessories

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

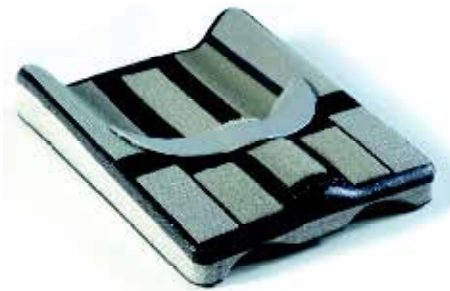
SKIN PROTECTION & POSITIONING

## Features:

- Lightweight foam base with growth capability via well inserts and a wide range of postural support. Contracutre cuts to accommodate tight harmstrings
- 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:

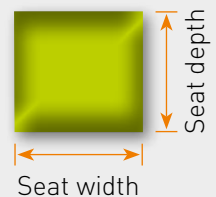
- Designed for the client with symmetrical and asymmetrical posture to aggressive postural needs that change over time
- Clients unable to weight shift; limited postural stability and unable to reposition
- Designed to grow with the child



Depth	Width				
	25	31	36	41	46
33					
38					
43					
48					
51					

Height (in cm)		Maximum Height
Front	Rear	
8	7,5	9

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.



## J3 Back Range

**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



# J3 Backs - Level of support

## Four levels of support

<b>Shoulder Height</b>	(SH)	53-61 cm
<b>Upper Thoracic Height</b>	(UT)	42-50 cm
<b>Mid Thoracic Height</b>	(MT)	30-38 cm
<b>Lower Thoracic Height</b>	(LT)	17-24 cm



## 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



Short (S)



Medium (M)



Tall (T)

# J3 Backs - Range overview

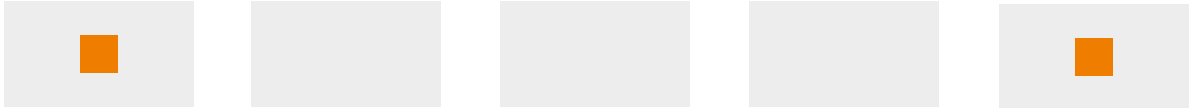


## J3 Back range overview

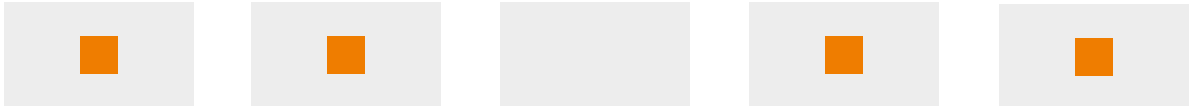
These contour depths and back heights are available in the following combinations



Lower thoracic (LT)



Mid thoracic (MT)



Laterals, headrest and harnesses available for SC, MC, DC, MDC and PDC

Upper thoracic (UT)



Laterals, headrest and harnesses available for SC, MC, DC, MDC and PDC

Shoulder height (SH)



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
-------------------------	-------------------------	---------------------	---------------------	---------------------

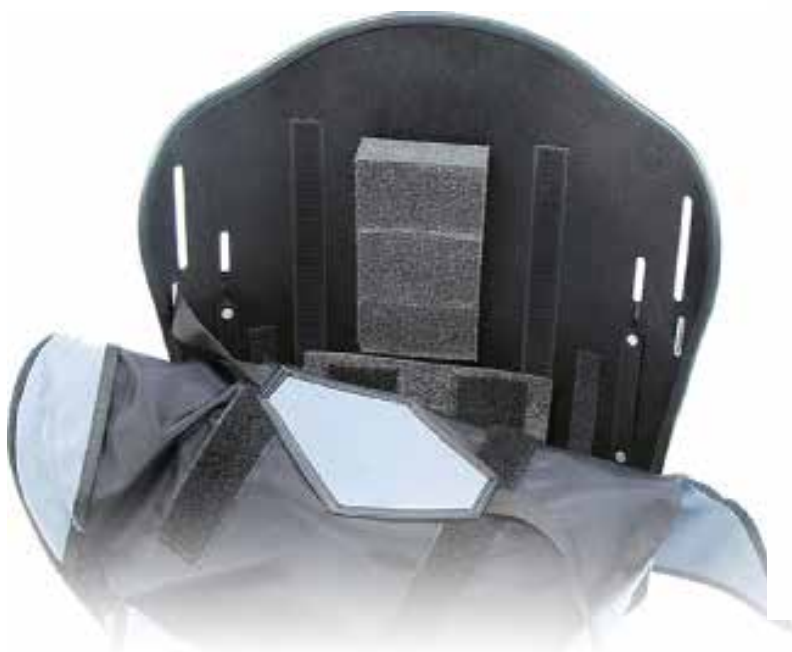


# J3 Backs - Spine-align package

## 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.



# J3 Backs - Hardware

## 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



2,8 cm



2,5 cm



1,9 cm

### 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.



Lower seat depth remains constant

# J3 Backs - Options and Accessories

## Options and Accessories

### Headrests



Standard headrest: occipital/suboccipital support



Contour headrest: added lateral support



Jay mounting bracket



Universal mounting bracket

### 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



### J3 Carbon - 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 live, reduces back pain and provides a great comfort.

#### → Quick & easy to remove

With the optional quick release hardware the backrest is quick and easy to release – ideal for folding chairs.



### For all types of chairs

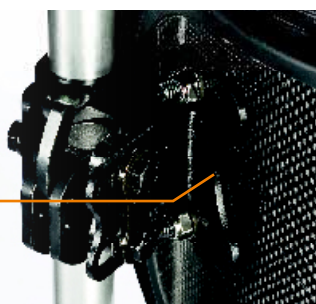
Whether a rigid or folding frame is used, the J3 Carbon is the proper back. The fixed or quick release version fit on all types of chairs.

### 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.

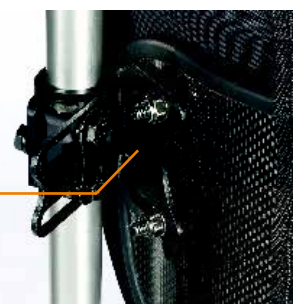
#### The quick release hardware

ideal for folding wheelchairs



#### The fixed mounting system

the minimum weight solution



# J3 Carbon Back

## 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.

### → Different support levels

Always the right support  
(four heights from 17 to 38 cm)



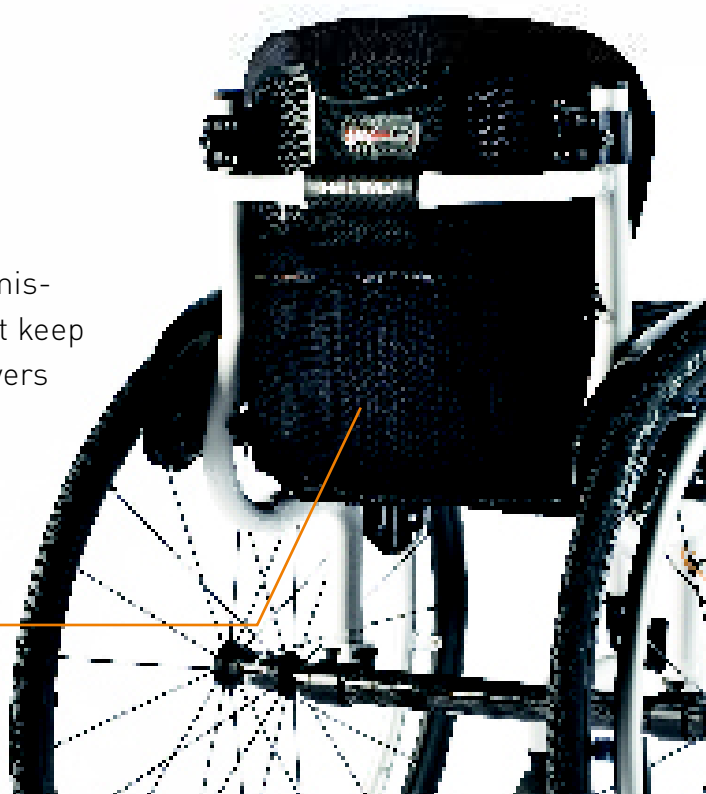
### → Active contour

Mild lateral trunk support  
through 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.

The usefully stylish  
accessory bag



# Jay Easy Back



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.



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.



# 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



One step release

Backrest width:	20 / 25 / 30 / 35 cm	Back angle:	+20° to -20°
Backrest height:	15 / 20 / 25 / 30 cm	Width adjustability:	+2,5 cm
Transport weight:	1,1 kg	Depth adjustability:	7,5 cm
Max. user weight:	75 kg	Accessories:	Headrest, Lateral support, spine align positioning components, chest strap, vanity flap and spare cover





## 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](http://www.SunriseMedical.com)

