SUNRISE MEDICAL

JAY®
Superior Clinical Seating.

JAY CUSHION & BACK RANGE


JAY

Superior Clinical Seating

Compromises in clinical use are not acceptable.

Effectiveness and easy of use are the top priorities.

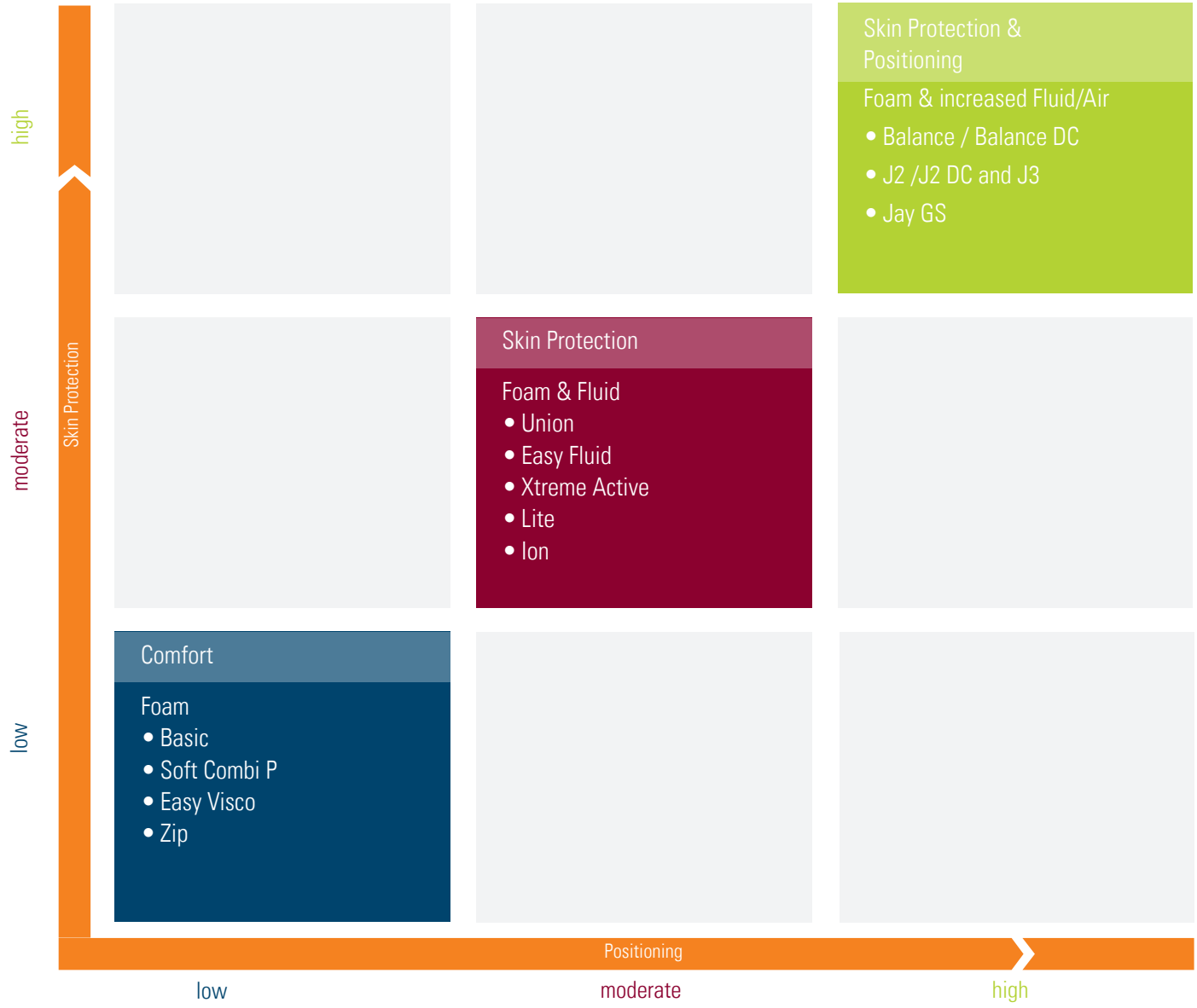
For this reason, JAY develops products that address the challenges whilst maintaining clinical efficacy.

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.

Comfort	Skin Protection	Skin Protection & Positioning
Basic	Union	Balance / Balance Deep Contour
Soft Combi P	Easy Fluid	J2 / J2 Deep Contour
Easy Visco	Xtreme Active	J3
Zip	Lite	GS
	Ion	

JAY Cushion range



JAY Cushion and Back Range

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.

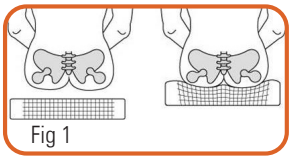


Fig 1

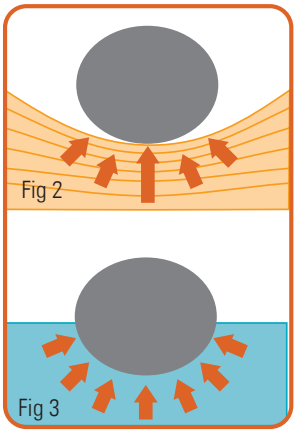


Fig 2

Fig 3

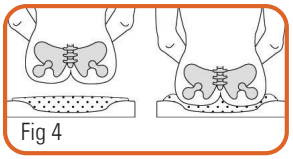


Fig 4

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 far 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 tuberosity 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
- clothings 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 generally cannot dissipate their heat by weight shifting.

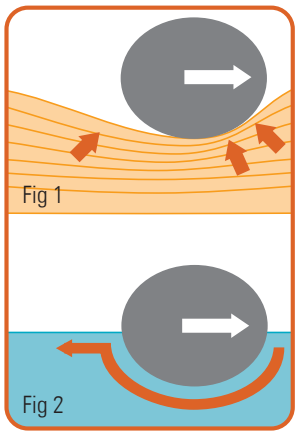
Select the most suitable seating material based upon the skin assessment

- 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.

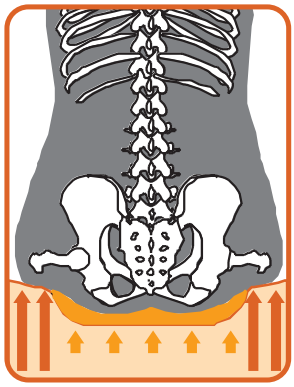
As in pressure redistribution, shear and friction can be partially mitigated but is also dependant on the surface tension of the materials. Tight covers and fluid sacs create surface tension of their own!

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 ischium 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).

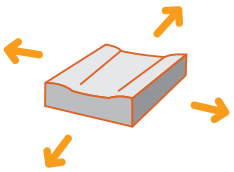
Seating Tolerance

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.

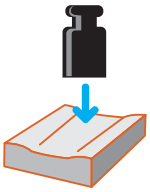
Positioning cushions may not be as 'comfortable' as a product that does not offer positioning. To maximize seating tolerance it is necessary to optimize pressure redistribution and shear reduction, maximize stability and positioning but also take into account comfort.

Functional Seating Characteristics



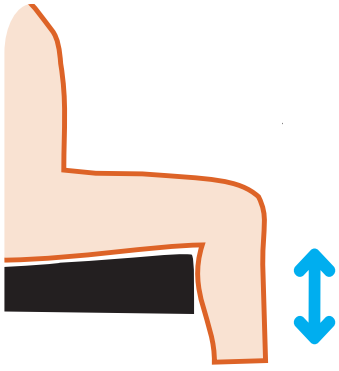
Size Range

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.

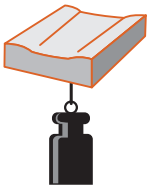


Seat to Floor Height

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 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.

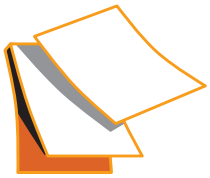
Cushion Weight

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, Xtreme Active, JAY Lite, J3, J3 DC, Balance, Balance DC

Please note, the cushions' dimensions are measured with the cover.

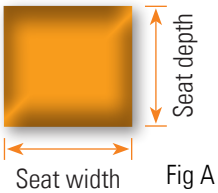


Fig A

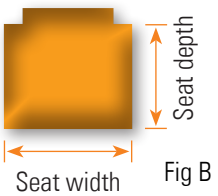


Fig B

COMFORT

Basic

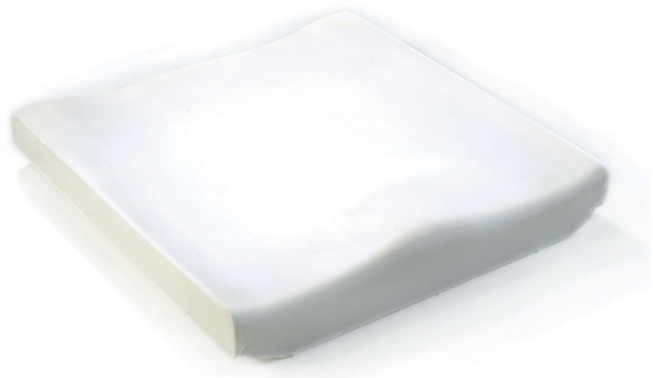
Long life comfort

Product Features:

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

Clinical Application:

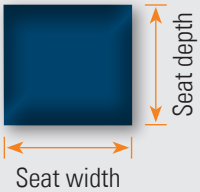
- Client requires comfort with minimal postural support
- Low risk of skin breakdown or shear, intact skin integrity
- Independent weight shifts
- Intermittent wheelchair user



Depth	Width												
mm	250	300	350	360	380	400	420	440	460	480	500	560	600
250	■	■											
300	■	■	■										
350		■	■										
360				■									
400			■	■	■	■	■	■					
420				■	■	■	■	■	■	■	■		
440				■	■	■	■	■	■	■			
460			■	■		■	■	■	■	■	■	■	■
500									■	■	■	■	■
560												■	■

Height (in mm)		Maximum Height
Front	Rear	
48	47	63

Weight cushion 400 x 400 mm	0,7 kg
Max. user weight	150 kg
Guarantee	2 years



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

Soft Combi P

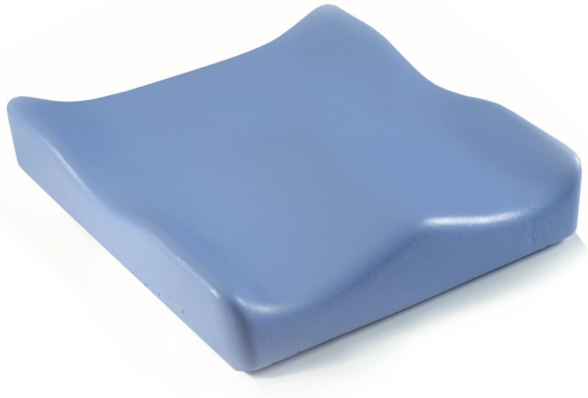
Comfort and Positioning

Product Features:

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

Clinical Application:

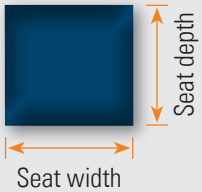
- Designed for clients with symmetrical posture needing minimum to moderate postural support
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Low risk of skin breakdown
- Independent weight shifts



Depth	Width											
mm	250	300	350	380	400	420	440	460	480	500	560	600
250	■	■										
300	■	■	■									
350		■	■									
400			■	■	■	■	■					
420				■	■	■	■	■	■	■		
440				■	■	■	■	■	■			
460			■		■	■	■	■	■	■	■	■
500								■	■	■	■	■
560											■	■
600												■

Height (in mm)		Maximum Height
Front	Rear	
59	44	77

Weight cushion 400 x 400 mm	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.

COMFORT

Easy Visco

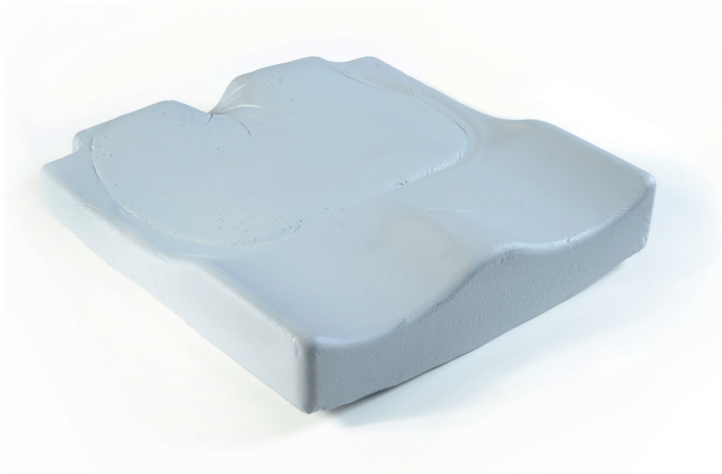
High level comfort and positioning with mild pressure redistribution

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:

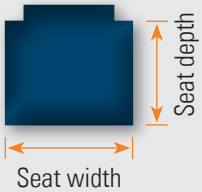
- Client with mild symmetric or asymmetric posture and moderate postural support requirements
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Clients with low to moderate risk of skin breakdown and low shear risk
- Independent weight shifts



Depth	Width											
mm	250	300	350	380	400	420	440	460	480	500	560	600
250	■	■										
300	■	■	■									
350		■	■									
400			■	■	■	■	■					
420				■	■	■	■	■	■	■		
440				■	■	■	■	■	■			
460			■		■	■	■	■	■	■	■	■
500								■	■	■	■	■
560											■	■
600												■

Height (in mm)		Maximum Height
Front	Rear	
63	60	88

Weight cushion 400 x 400 mm	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®

JAY Zip

A comfortable, clinically effective cushion designed uniquely for kids

COMFORT

Product Features:

- Dual 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

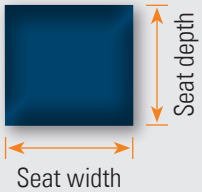
Clinical Application:

- 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
- Paediatric with low to moderate risk of skin breakdown
- Independent weight shifts

Depth	Width										
mm	200	220	240	260	280	300	320	340	360	380	400
200	■	■									
220	■	■	■								
240	■	■	■	■							
260	■	■	■	■	■						
280		■	■	■	■	■					
300			■	■	■	■					
320				■	■	■	■				
340					■	■	■	■			
360					■	■	■	■	■	■	
380						■	■	■	■	■	■
400							■	■	■	■	■
420								■	■	■	■
440									■	■	■
460									■	■	■

Height (in mm)		Maximum Height
Front	Rear	
50	45	60

Weight cushion 300 x 300 mm	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.

Union

Effectively combining fluid and foam for medium to high skin protection, stability and low maintenance - ideal for active or passive users

Product Features:

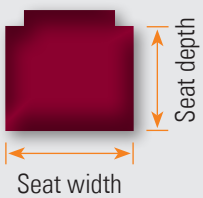
- Lightweight, deeply contoured, multi-layered foam providing excellent stability for the pelvis and thighs
- Visco elastic top layer provides enhanced skin protection by increasing immersion and surface contact to spread pressure broadly
- New gel infused visco elastic top layer assists cooling by optimising air exchange and preventing heat retention
- Integral JAY fluid pad offers higher level skin protection by dynamically contouring around the pelvis and hips whilst being low maintenance - no kneading or fluid migration
- Two way stretch Dartex™ inner cover is water resistant and easy to clean. The Aquaguard™ zipper and anti-wicking thread ensure that the foam base stays dry.
- Microclimatic outer cover with 3DX™ spacer fabric vents heat and moisture to ensure skin stays cool and dry
- Available in 2 heights:
  Standard height (110 mm): ideal for powerchair, tilt in space or standard manual chair users
  Reduced height (90 mm): ideal for active users needing low seat height for transfers and optimal rear wheel access

Clinical Application:

- Active or passive clients with moderate to high risk of skin breakdown and shear
- Clients needing a deeper profiled cushion for stability and comfort without increasing cushion height
- Symmetrical or mildly asymmetrical postures requiring minimal correctional support
- Clients able to perform a partial or independent weight shift

Depth	Width										
mm	360	380	400	420	440	480	500	520	540	560	600
360	■	■	■	■	■						
380	■	■	■	■	■	■	■				
400	■	■	■	■	■	■	■				
420	■	■	■	■	■	■	■	■	■		
440	■	■	■	■	■	■	■	■	■		■
480		■	■	■	■	■	■	■	■	■	■
500		■	■	■	■	■	■	■	■	■	■
520				■	■	■	■	■	■	■	■
540					■	■	■	■	■	■	■
560						■	■	■	■	■	■
600							■	■	■	■	■

Max. Height (standard)	110 mm
Weight cushion 400 x 440 mm	2.3 kg
Max. user weight	136 kg (width 360 - 540 mm) 227 kg (width 560 - 600 mm)
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)

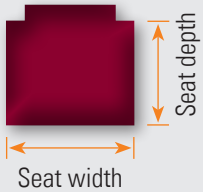
Clinical Application:

- 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											
mm	250	300	350	380	400	420	440	460	480	500	560	600
250	■	■										
300	■	■	■									
350		■	■									
400			■	■	■	■	■					
420				■	■	■	■	■	■	■		
440				■	■	■	■	■	■			
460			■		■	■	■	■	■	■	■	■
500								■	■	■	■	■
560											■	■
600												■

Height (in mm)		Maximum Height
Front	Rear	
63	60	88

Weight cushion 400 x 400 mm	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

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 use with advanced muscle atrophy
- The dual cover system promotes air flow and dissipates heat and moisture effectively
- Thigh 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

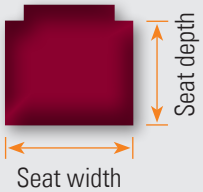
→ **Standard fluid pad**
with standard base.

→ **Large fluid pad**
in case of advanced muscle atrophy. It comes with a base with a larger pelvic load area.

Depth	Width								
mm	340	360	380	400	420	440	460	480	500
340	■	■							
360	■	■							
380		■	■	■	■	■			
400		■	■	■	■	■			
420		■	■	■	■	■	■	■	■
440			■	■	■	■	■	■	■
460				■	■	■	■	■	■
480					■	■	■	■	■
500						■	■	■	■

Height (in mm)	Maximum Height
Front	
50	90

Weight cushion 400 x 400 mm	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.

JAY®

SKIN PROTECTION

Lite

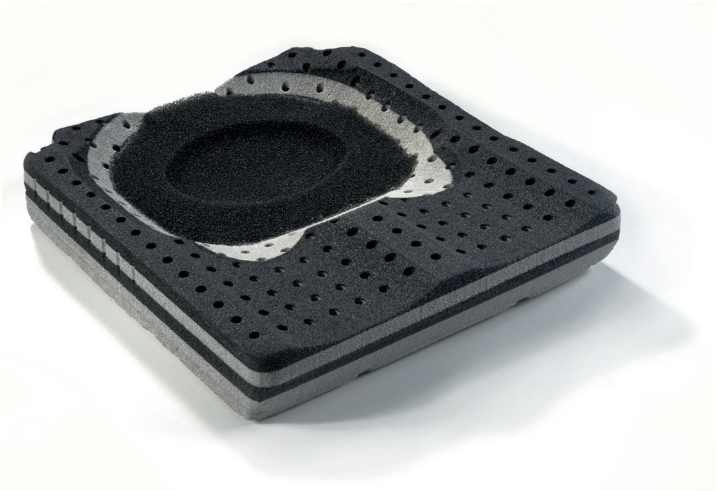
Specifically designed for the active client seeking minimal weight

Product Features:

- Firm, extremely lightweight, breathable, airflow layered foam base with ischium 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, ischium 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:

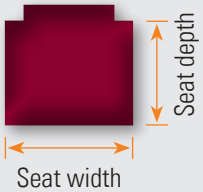
- Symmetrical client requires comfort with minimal weight but mild/moderate postural support
- Mild to moderate lateral and forward/rearward stability needs
- Moderate risk of skin breakdown
- Able to perform independent weight shifts
- Requires heat and moisture dissipation



Depth	Width									
mm	350	380	400	420	440	460	480	500	560	600
350	■									
380		■	■	■	■					
400	■	■	■	■	■	■	■	■		
420		■	■	■	■	■	■			
440		■	■	■	■	■	■			
460	■	■	■	■	■	■	■	■	■	■
500			■			■	■	■	■	■
560									■	■
600										■

Height (in mm)		Maximum Height
Front	Rear	
80	80	95

Weight cushion 400 x 400 mm	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.


JAY
Balance
SPINERGY

Ion

Medium skin protection cushion
providing stability and comfort with low maintenance

Product Features:

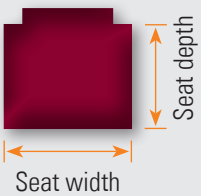
- Lightweight, pre-contoured, multi-layered foam base provide excellent stability for the pelvis and thighs
- Visco elastic top layer provides enhanced skin protection by increasing immersion and surface contact to spread pressure broadly whilst also preventing excessive heat build up
- Two way stretch Dartex™ inner cover is water resistant and easy to clean. The Aquaguard™ zipper and anti-wicking thread ensure that the foam base stays dry
- Microclimatic outer cover with 3DX™ spacer fabric vents heat and mositure to ensure skin stays cool and dry

Clinical Application:

- Client with symmetrical posture and moderate postural support requirements
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Moderate risk of skin breakdown and shear
- Able to perform independent weight shifts
- Independent weight shift

Depth	Width										
mm	340	380	400	420	440	460	500	520	540	560	600
380	■	■	■	■	■						
400	■	■	■	■	■	■	■				
420	■	■	■	■	■	■	■				
440	■	■	■	■	■	■	■	■	■		
460	■	■	■	■	■	■	■	■	■		
500		■	■	■	■	■	■	■	■	■	■
520		■	■	■	■	■	■	■	■	■	■
540		■	■	■	■	■	■	■	■	■	■
560			■	■	■	■	■	■	■	■	■
600				■	■	■	■	■	■	■	■
620					■	■	■	■	■	■	■

Max. Height (standard)	100 mm
Weight cushion 440 x 460 mm	1.6 kg
Max. user weight	136 kg (width 340 - 540 mm) 227 kg (width 560 - 600 mm)
Guarantee	2 years



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

SKIN PROTECTION & POSITIONING

Balance and Balance Deep Contour

Skin protection & positioning cushions

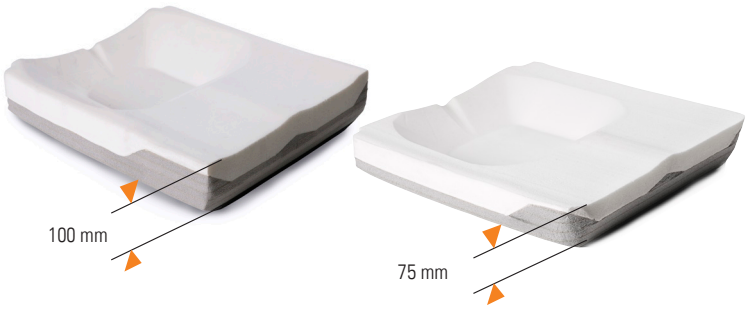
Optimised for skin protection, stability and comfort

Features:

- Features as the contoured thick soft foam layer that prevents IT and trochanter contacts available in 2 base heights
- The PLA shape with close rear wall to avoid fluid migration
- Three different inserts available: Cryo® Fluid, Flow Fluid & air inserts
- The 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:

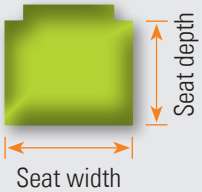
- Designed for client at high risk (standard) to extreme risk (deep contour) of skin breakdown with or without postural needs
- Cushion allows envelopment and immersion of the prominent bony areas of the pelvis, maximising pressure redistribution and maintaining skin integrity
- Maximum stability and positioning is achieved thanks to the PLA design based on anthropometric measurements
- The positioning elements can be fitted in the innercover which encourages orthopaedic alignment, increases sitting tolerance and accommodates changing user needs



The multi-layered, contoured foam base with seat rail relief cut, available in two heights

Depth	Width										
mm	340	360	380	400	420	440	460	480	500	560	600
340											
360											
380											
400											
420											
440											
460											
480											
500											
560											
600											
PLA	A			B					C		

Max. Height (standard)	75 mm
Max. Height (Deep Contour)	100 mm
Weight cushion 400 x 460 mm	2,4 kg Flow Fluid insert 3,0 kg Cryo Fluid insert 1,9 kg air insert
Max. user weight	150 kg (width 340 - 500 mm) 225 kg (width 560 - 600 mm)
Guarantee	2 years



Note: Balance with Cryo Fluid only available from 360 mm cushion width.Please see your order form for modifications or special sizes.

The perfect balance between skin protection and stability

Cryo® Fluid, JAY Flow Fluid or Air Inserts*

The JAY Balance may be ordered with Cryo® Fluid, JAY Flow Fluid or 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. Additionally, the Cryo® Fluid actively cools the user's seated skin surface for up to eight hours. For further information see Cryo® Fluid brochure.

The field-adjustable positioning components

With the optional pelvic obliquity pads and 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 Aquaguard™ 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.

*The JAY Air Inserts choices are only available for the J3 Standard profile version

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 postural support accessories
- 3DX™ Microclimatic cover with stretchable Neoprene™ sideband as standard, incontinence resistant cover and solid seat are options

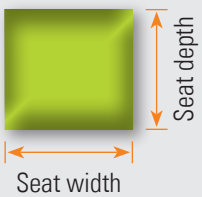
Clinical Application:

- 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					
mm	350	400	420	450	500	600
400						
420						
450						
500						

Height (in mm)		Maximum Height
Front	Rear	
80	80	90

Weight cushion 400 x 410 mm	2 kg
Max. user weight	175 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

Product 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
- 3DX™ Microclimatic cover with stretchable Neoprene™ sideband as standard, incontinence resistant cover and solid seat are options

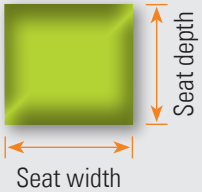
Clinical Application:

- 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							
mm	350	380	400	420	450	500	550	600
350	■							
380		■		■				
400	■		■		■	■	■	
420		■						
450			■		■	■	■	■
500			■		■	■		

Height (in mm)		Maximum Height
Front	Rear	
100	100	110

Weight cushion 410 x 410 mm	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

Product Features:

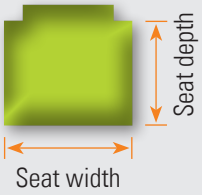
- Precontoured, carvable, closed cell foam base with Opti-well™ technology i.e. anthropometrically designed pelvic loading area (PLA)
- Two Heights Versions
- Optiwell™ Technology
- The Choice of Fluid or Air PLA inserts*
- Microclimatic or incontinence cover options. Comfort layer is integral to cover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

Clinical Application:

- Client at high (standard 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

Depth	Width										
mm	300	350	380	400	420	440	460	480	500	560	600
300	■	■									
350	■	■									
380		■	■	■	■	■					
400		■	■	■	■	■					
420			■	■	■	■	■	■	■		
440			■	■	■	■	■	■			
460		■		■	■	■	■	■	■	■	■
480					■	■	■	■	■	■	■
500						■	■	■	■	■	■
560										■	■
600										■	■

Max. Height (standard)	95 mm
Max. Height (Deep)	108 mm
Weight cushion 400 x 400 mm	1,9 kg
Max. user weight	150 kg (width 300 - 500 mm) 227 kg (width 560 - 600 mm)
Guarantee	2 years

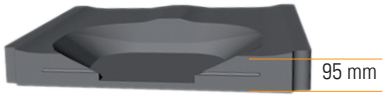


These sizes are available, please see your order form for modifications or special sizes.

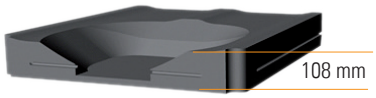
*The JAY Air Inserts choices are only available for the J3 Standard profile version

The cushion offers two contour depths

Standard contour: High skin risk client



Deep contour: Highest level of skin risk – requires maximimum 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

Air Inserts*:

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

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

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 and is machine-washable.

*The JAY Air Inserts choices are only available for the J3 Standard profile version

Accessories

J2, J2 Deep Contour and J3 modifications

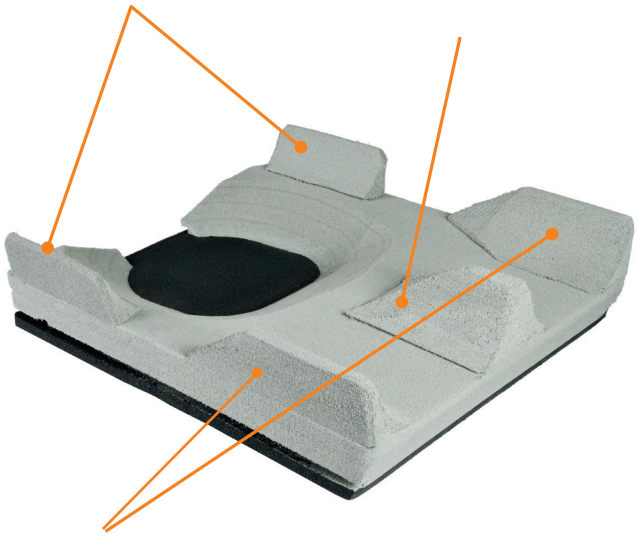
All cushions can be modified, and offer excellent positioning possibilities. We offer a variety of positioning components, from single accessories to complete kits, including:

- 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.

A 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

Product Features:

- Lightweight foam base with growth capability via well inserts and a wide range of postural support. Contracture 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)

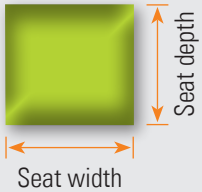
Clinical Application:

- 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				
mm	250	310	360	410	460
330					
380					
430					
480					
510					

Height (in mm)		Maximum Height
Front	Rear	
80	75	90

Weight cushion 250 x 330 mm	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.


JAY J3

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 JAY J3 is available in widths from 310 mm to 510 mm, 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

Four contour depths

The JAY J3 Back offers 4 types of contour depths:
Shallow Contour (SC) which provides 50 mm depth, Mid Contour (MC) with
80 mm depth, Deep Contour (DC) & Mid Deep Contour (MDC) with 150 mm depth.
The MDC & DC Back is also available in an Extra Deep version with 180 mm depth.

Shallow Contour
Moderate lateral support

50 mm

Mid Contour
Medium lateral support

80 mm

Deep Contour
Full lateral support

150 mm

Mid Deep Contour
Full lateral support

150 mm

Deep Contour, Extra Deep
Full lateral support

180 mm

Mid Deep Contour, Extra Deep
Full lateral support

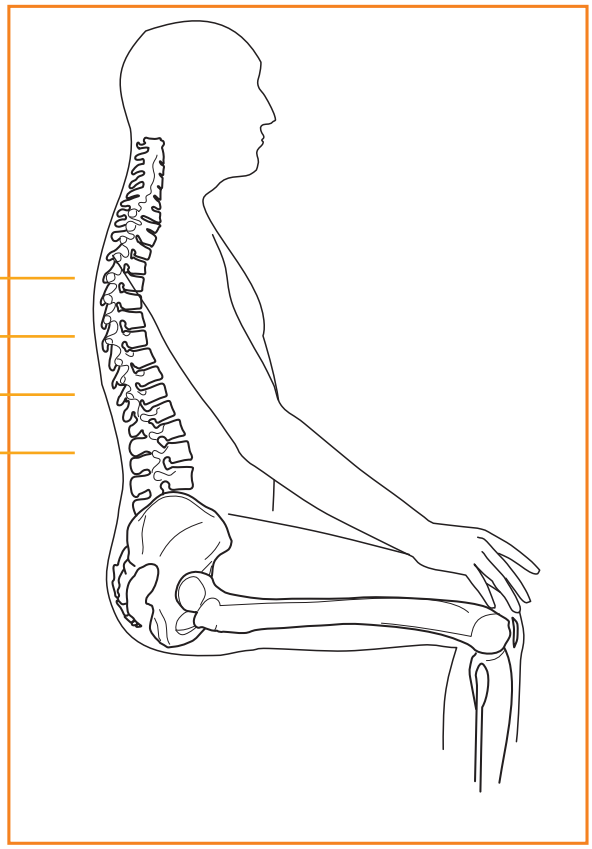
180 mm

J3 Backs – Level of support

Four levels of support

The users can choose between 4 different levels of support depending on their functional needs and level of trunk stability.

Shoulder Height	(SH)	530 - 610 mm
Upper Thoracic Height	(UT)	420 - 500 mm
Mid Thoracic Height	(MT)	300 - 380 mm
Lower Thoracic Height	(LT)	170 - 240 mm



Three individual 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

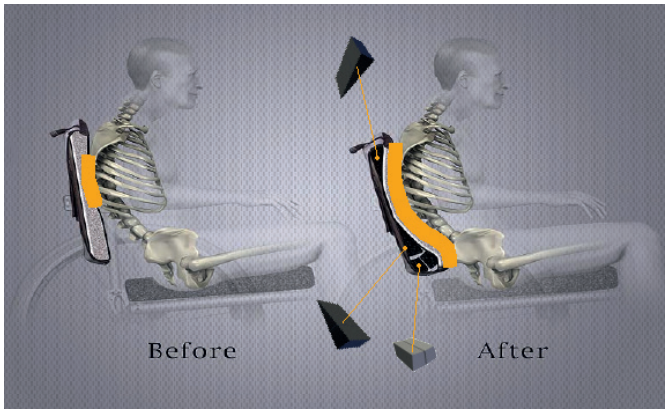
	 Shallow Contour (SC)	 Mid Contour (MC)	 Deep Contour (DC)	 Mid Deep Contour (MDC)	 (Mid) Deep Contour, Extra Deep (MDC)
Lower thoracic (LT)	■			■	■
Mid thoracic (MT)	■	■		■	■ *only MDC
	Laterals, headrest and harnesses available for SC, MC, DC, MDC				
Upper thoracic (UT)	■	■	■	■	■ *only MDC
	Laterals, headrest and harnesses available for SC, MC, DC, MDC				
Shoulder height (SH)	■	■	■	■	
Widths available	310, 360, 410, 460 & 510 mm	310, 360, 410, 460 & 510 mm	360, 410, 460 & 510 mm	310, 360, 410, 460 & 510 mm	410 & 510 mm

J3 Backs – Spine align system

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



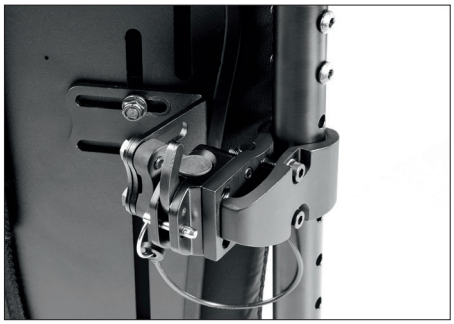
Different kits available, 7, 12 or 36 pcs.

J3 Backs – Hardware

Ease of use – JAY mounting hardware

The JAY mounting hardware is easy to fit, easy to remove, compact in size and packed with adjustments in width, depth, height, depth and angle. You can even adjust the back with the client in the chair.

Compact Mounting Hardware – for active users, 25% lighter as the standard hardware



Hardware Mounting Location

Frequently, obstructions such as towel bars and armrest receivers force clinicians, dealers and technicians to make compromises. To maximize compatibility, the unique attachment of the J3 compact mounting hardware occupies as little space as possible and mount without affecting the user's fit.

Heavy Duty Compact Mounting Hardware – for passive users, focused on greater stability

Multi-Tubing Compatibility

The JAY mounting hardware features a clamp design that fits 19 mm D-Type tubes, 25 mm & 28 mm round tubes. With only one attaching clamp that is compatible with 90% of wheelchairs in the market and no need for additional hardware, the entire ordering and fitting process is simplified.

Angle Adjustment

The JAY mounting hardware was designed to minimise loss of seat depth. When the J3 back is reclined the lower back position remains constant, resulting in no loss of seat depth.

Width Adjustment

Many times backs fit the chair but not the user. To address this problem the backrest was designed with 50 mm of built-in width adjustment.

J3 Backs – Headrests and Accessories

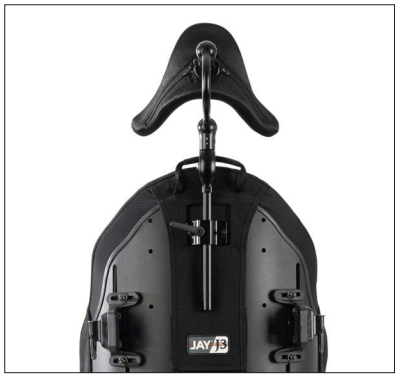
Headrests and Accessories

The JAY J3 Back offers Whitmyer° headrests and a wide range of accessories to enable optimum user positioning in the backrest.

All J3 backs that can accommodate headrests have been tested and approved for transit against relevant ISO standards.

WHITMYER®

Whitmyer® Headrests



Whitmyer® Cobra Cradle Pad

Whitmyer® AXYS with Plush Pad

Accessory bag

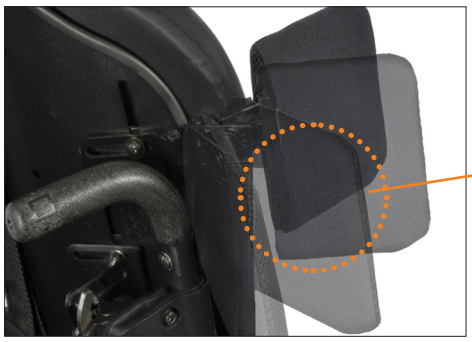
Stylish and durable accessory bag to safely store your essential items.

Lateral Supports*

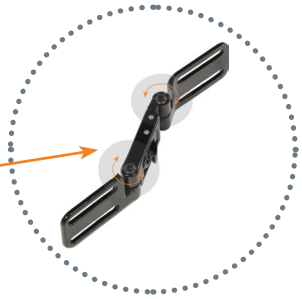
Fixed Lateral

Lateral support - fixed or Swing-away
Available in 6 sizes - 100 x100 mm, 100 x120 mm, 100 x150 mm, 150 x100 mm, 150 x 120 mm and 150 x 150 mm

Swing-away Lateral



Improved positioning and lateral stability to help maintain proper posture with a lighter design.



An easy-to-use push-button lever allows the lateral to swing out of the way for easy transfers.

Chest straps and harnesses available in 4 sizes (S, M, L and XL)

*The lateral is delivered standard with a 3DX™ Cover and Pad


SOPUR
SOPUR QUIC
JAY
HELIUM
MARATHON PLUS
SCHWALBE

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 life, 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

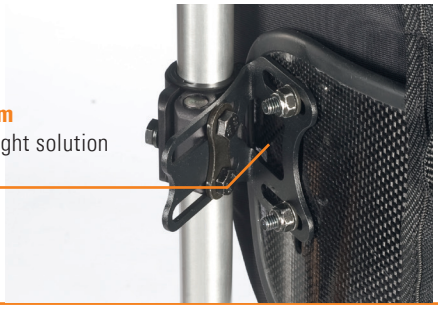
Whether a rigid or folding frame is used, the J3 Carbon is the proper back. The fixed or quick release version fit on all types of chairs.

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 170 to 380 mm) focus on the active user with a need for low to moderate posterior trunk support. Mild lateral trunk support is also given by the 50 mm contour depth.

→ **Different support levels**
Always the right support
(four heights from 170 to 380 mm)

→ **Active contour**
Mild lateral trunk support
through 50 mm contour depth

Where are the keys?

The user now has 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: 19 mm with insert, 22 – 23 mm with insert or 25 mm 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, 380 mm

Upper Thoracic, 460 mm

Shoulder Height, 530 mm

JAY Zip Back

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

Versatile Quick Release Hardware

- Easy quick release hardware
- Fits on wide range of tubing: 19 to 29 mm
- Numerous height adjustment options

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

Quick release

Backrest width:	200 / 250 / 300 / 350 mm	Back angle:	+20° to -20°
Backrest height:	150 / 200 / 250 / 300 mm	Width adjustability:	+25 mm
Transport weight:	1,1 kg	Depth adjustability:	70 mm
Max. user weight:	75 kg	Accessories:	Headrest, Lateral support, spine align positioning components, chest strap, vanity flap and spare cover

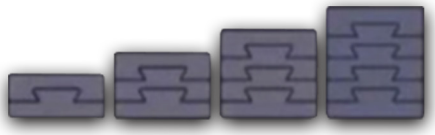

TSG 1899
Hoffenheim
e-fix
JAY zip

JAY FIT 2U Back

JAY FIT 2U Back – Try it, change it, rearrange it

For individuals who require a more complex seating solution, when an off-the shelf back cannot accommodate an individual`s orthopedic asymmetires, or when a molded back cannot accommodate changes. Combined with the JAY GS cushion it makes an excellent solution for growing and changing needs - ideally for pediatric clients.

- Multidimensional support to accommodate orthopedic asymmetries or a pronounced trunk rotation
- Flexible and quick to change - adjustments to made upon delivery and over time
- Dovetail Inserts - add or remove interlocking inserts to create personalized contour

25 mm  65 mm

ZIPPIE IRIS® with JAY FIT 2U® BACK and JAY GS® Cushion

Innovative cover technology

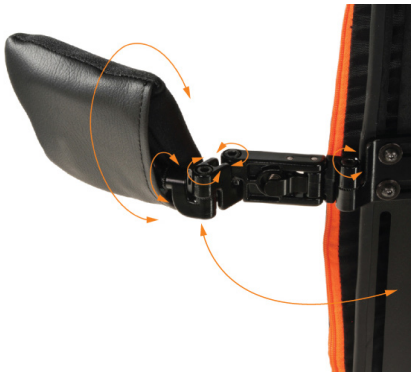
- JAY FIT 2U Back comes with a stretch cover and a soft foam underneath for maximum comfort and user protection
- The outer cover can easily be removed for cleaning while the inner cover keeps the inserts in place and dry
- Machine washable at 60° C and quick to dry

JAY FIT 2U Back

Make it fit – more individuality and personalisation

There are variety of options and accessories available on the JAY FIT 2U that guarantees an optimal fit for the user.

Whitmyer® Headrest
Whitmyer® headrests provide support of the head and neck if you are using tilt-in-space wheelchairs or need additional support to hold your head upright.



JAY Rotational Swing-Away Laterals
Adjustable, swing-away laterals for additional adjustment for thoracic support.

JAY Positioning Supports
A selected range of harnesses is offered together with the new JAY FIT 2U Back to address any additional positioning need.

Back Shell Colors

Personalize the back shell to match your chair or express your creativity.
Please note: Print processes cannot accurately represent paint finishes. Actual colors my vary.

*Color modification available through JAY Your Way Modification Programm
* Applicable for the following products: JAY J3 Back, JAY FIT Back, JAY FIT 2U Back, JAY ZIP Back

Improved hardware – adjustable quick mount

The JAY FIT 2U Back utilizes the patented J3 hardware with quick release levers for fast back removal and adjustment.

- The hardware is easy and fast to mount and adjust
- Brackets come pre-mounted to the shell to facilitate mounting and reduce time
- Available as Four-Point (FP) and Two-Point Hardware (Two-Point available as spare parts only)
- Crash tested & Transit approved

STEPS
Sunrise Training & Education Programs

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.

For further information on the full specification, options and accessories, please check the order form on our website. All information is subject to change without notification. Please consult Sunrise Medical with any queries you may have. If you are visually impaired, this document can be viewed in PDF format at www.SunriseMedical.eu.

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