



JAY CUSHION & BACK RANGE





Superior Clinical Seating

Clinical compromises are not acceptable.

Effectiveness and ease of use are the top priorities.

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

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

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

Comfort	Skin Protection	Skin Protection & Positioning
Basic 	Easy Fluid 	Balance 
Soft Combi P 	Xtreme Active 	J2 / J2 DC 
Easy Visco 	Lite 	J3 
Zip 	Care 	GS 

Jay Cushion range

high			Skin Protection & Positioning Foam & increased Fluid/Air <ul style="list-style-type: none">■ Balance■ J2 /J2 DC and J3■ Jay GS
		Skin Protection Foam & Fluid <ul style="list-style-type: none">■ Easy Fluid■ Xtreme Active■ Lite■ Care	
	Comfort Foam <ul style="list-style-type: none">■ Basic■ Soft Combi P■ Easy Visco■ Zip		
moderate			
low			
	low	moderate	high

JAY Cushion Range

Comfort Range

Basic	Long life comfort	12
Soft Combi P	Long life comfort and stability	13
Easy Visco	Higher level comfort and stability	14
Zip	Designed to meet the paediatric client's unique needs	15

Skin Protection Range

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

Skin Protection & Positioning

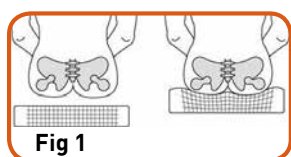
J2	Stability and positioning with skin integrity protection	20
J2 DC	Stability and positioning with extreme skin integrity risk	21
Balance	Perfect balance between skin protection and stability	22
J3, J3 DC	Complex options for complex needs	24
GS	Paediatric stability, positioning, skin protection and growth	27

Clinical Performance Factors

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

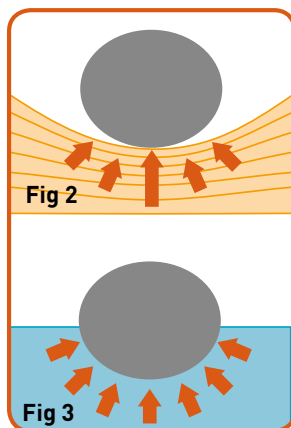
Skin Integrity (Pressure Redistribution)

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



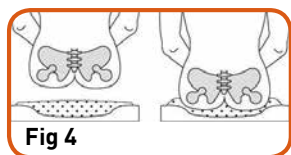
Skin integrity is optimised by spreading the mass of the client:

- 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 filled fully into a flexible rubber ball will only displace as the rubber flexes.

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 (Ischial Tuberosities).

Humidity and Heat Reduction

Certain clients are more at risk of skin breakdown than others. Excellent pressure distribution 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 high 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 material e.g. cotton increases 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 cannot dissipate their heat by weight shifting.

Select the most suitable seating material based upon the skin assessment

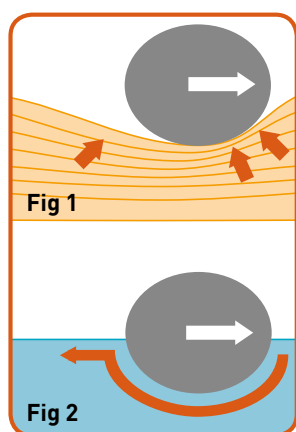
- gases and liquids where the client is at moderate to higher risk
- foam, viscos and gels in lower to moderate risk cases for budgetary and weight benefits

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 minimises 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.

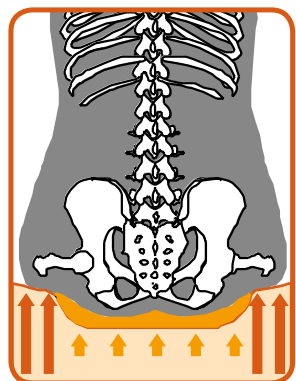
As in pressure redistribution, shear and friction can be partially mitigated but is also dependant on the surface tension of the materials. Tight covers and fluid sacs create surface tension of their own!

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 stabilised in optimal AP alignment.

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

Lateral Stability: simple visco, gel, fluid or air cushions may provide initial pressure reduction, but will not function effectively if they 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 customising 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.

We estimate that 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).

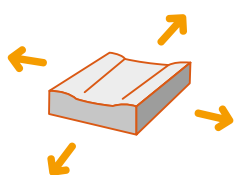
Seating Tolerance

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 wheelchair. 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.

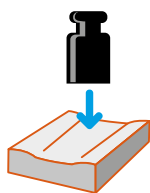
Positioning cushions may not be as 'comfortable' as a product that does not offer positioning. To maximise seating tolerance it is necessary to optimise pressure redistribution and shear reduction, maximise stability and positioning but also take into account comfort.

Functional Seating Characteristics



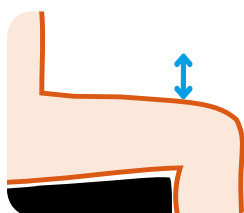
Size Range

We offer a lot of sizes, please see the 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 wheelchair is important to ensure 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 Xtreme Active and 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

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

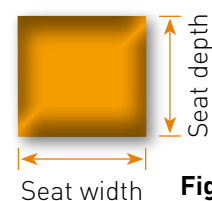


Fig A

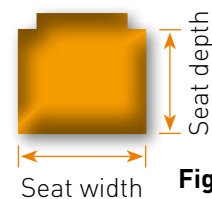


Fig B

Basic

Long life comfort



Product Features:

- Durable moulded foam which is gently contoured for comfort and mild support
- Bevelled base for use with slung upholstery sling
- Incontinence cover as standard

Clinical Application:

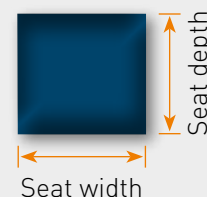
- Suitable for adults and children
- Clients needing comfort with minimal postural support
- Intact skin integrity or low risk of skin breakdown or shear
- Independent weight shifts and repositioning ability
- Ideal for intermittent wheelchair users



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	113 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 troughs and lateral hip support
- Easy-clean sealed foam with black incontinence cover
- Flat base
- Option of solid seat insert for sling seat use

Clinical Application:

- Suitable for adults and children
- Designed for clients with symmetrical posture needing minimum to moderate pelvic and thigh support
- Deeper contouring to increase lateral stability as well as moderate forward/rearward stability
- Clients at low risk of skin breakdown
- Clients who can perform independent weight shifts

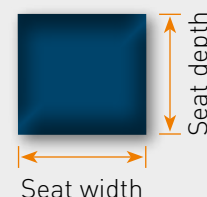


Depth	Width											
cm	25	30	35	38	40	42	44	46	48	50	56	60
25												
30												
35												
40												
42												
44												
46												
50												
56												
60												

Height (in cm)		Maximum Height
Front	Rear	
5.9	4.4	

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.



Seat depth

Seat width

Easy Visco

Superior high level comfort and positioning with mild pressure redistribution

Product Features:

- Lightweight precontoured foam with medial/lateral thigh support
- Soft moulded elastic visco foam in the seat well to allow greater immersion of the ischial tuberosities (ITs) and distribution of weight to the thighs
- Sacral and seat rail notches to offer added skin protection to sacrum ITs and hips
- Curved or flat base for use with solid or sling seat to maximise the effect of cushion surface
- Incontinence cover as standard with option for microclimatic cover
- Solid seat (as option)
- Flexible spray covering to prevent ingress of liquids



Clinical Application:

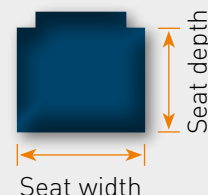
- Ideal for semi-active clients or clients with mild symmetrical or asymmetrical posture and moderate postural support who require increased skin protection
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Clients with low to moderate risk of skin breakdown and low shear risk
- Clients who can perform independent weight shifts and who sit for longer periods in a wheelchair



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:

- Dual layered mildly contoured foam base to enhance comfort but maintain stability
- The Zip has a unique dual cover system with a waterproof inner cover to protect the foam and a breathable, anti-microbial outer cover to improve hygiene and comfort
- Soft and stretchable outer cover; 3DX™ fabric spacer underneath promotes air movement and reduces shear forces
- Outer cover available in pink, blue and black
- Stretchable water resistant inner cover which is easy to wipe off



Clinical Application:

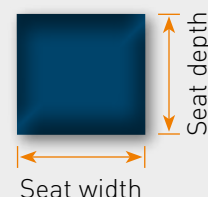
- The JAY Zip cushion is designed through the use of anthropometric data so they are specially sized to meet a child's unique needs
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Paediatrics with low to moderate risk of skin breakdown
- Independent weight shifts



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	

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.

Lite

Specifically designed for the active client seeking minimal weight and maximal stability



Product Features:

- Extremely lightweight, breathable, layered foam base with ischial seat well
- Excellent lateral and forward/rearward stability through a combination of Optiwell™ (seat well) technology ensuring that hips and thighs are supported and ischial bones are accommodated
- 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 and enhanced comfort
- Lightest foam cushion in its class

Clinical Application:

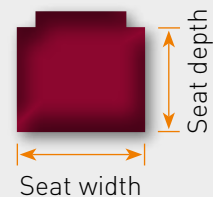
- Designed primarily for active users with symmetrical postures who need a lightweight, stable cushion
- Mild to moderate lateral and forward/rearward stability
- Moderate risk of skin breakdown
- Able to perform independent weight shifts
- Clients requiring breathability, heat and moisture dissipation



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

Height (in cm)		Maximum Height
Front	Rear	
8	8	9.5

Weight cushion 40x40cm	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.

Easy Fluid

Skin protection with stability

Product Features:

- Lightweight, soft moulded foam base with JAY fluid pad for greater skin protection around the pelvis and hips
- The deeper medial and lateral thigh support increases comfort and thigh positioning
- Choice of curved or flat base for use with solid or sling seat
- Choice of incontinence or microclimatic cover for breathability
- Solid seat (as option)
- Sacral and seat rail notches to allow optimal placement of the fluid pad under the client's buttocks



Clinical Application:

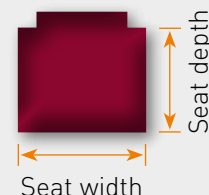
- Client with symmetrical or mild asymmetrical posture and moderate postural support requirements
- Provides moderate lateral stability as well as moderate forward/rearward stability
- Moderate risk of skin breakdown and shear
- Independent weight shift
- Can be used to correct or accommodate pelvic obliquities



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

Increased skin protection for active users



Product Features:

- A lightweight, low profile cushion with JAY fluid pad which is ideal for active users and easier transfers
- The cushion offers two different fluid pad options: the standard fluid pad (for moderate to high pressure relief) and the large fluid pad (for higher skin protection needs)
- The dual cover system promotes air flow and dissipates heat and moisture effectively to further increase skin protection
- Improved thigh positioning can be achieved through retrofittable leg support components
- A choice of three outer covers: microclimatic, incontinence and stretch, for greater immersion and envelopment into the JAY fluid



Clinical Application:

- Active clients with moderate to high risk of skin breakdown and shear
- Clients needing a low height, low profile cushion to enable the most efficient self-propulsion
- Symmetrical or mildly asymmetrical postures requiring minimal support
- Can be used to correct or accommodate pelvic asymmetries
- Clients able to perform a partial or independent weight shift



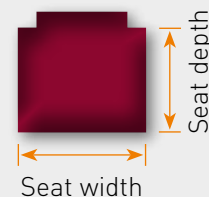
→ **Standard fluid pad**
With standard base.



→ **Large fluid pad**
A base with a larger pelvic load area, and fluid sac for greater immersion and pressure redistribution around bony prominences of pelvis and hips.

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	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.

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:

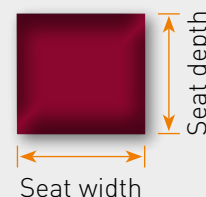
- Sacral sitter with symmetrical posture requiring moderate postural support
- Moderate risk of skin breakdown
- Can perform an independent weight shift



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.

J2

Stability and positioning with skin protection



Product Features:

- Firm base, anatomical seat 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
- Air exchange cover as standard, incontinence resistant cover and solid seat are options
- 3DX Microclimatic cover with stretchable neoprene sideband as standard, incontinence resistant cover and solid seat are options

Clinical Application:

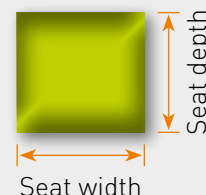
- Clients with high risk of skin breakdown and shear
- Designed for clients with symmetrical and asymmetrical postures and needs that change over time
- Clients unable to weight shift; limited postural stability and unable to reposition



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; anatomical seat well
- Carveable base for build-ups, cut outs and customisation
- JAY Deep Fluid Tripad with soft foam overlay for deeper immersion and envelopment
- Wide range of postural support accessories
- Air exchange cover as standard, incontinence resistant cover and solid seat inserts are options

Clinical Application:

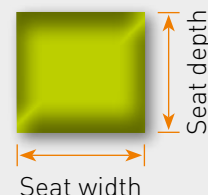
- Designed for the client with very high risk of skin breakdown and with symmetrical or asymmetrical postures
- Clients unable to weight shift or reposition



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.

Balance

Skin protection, stability and comfort



The perfect balance between skin protection and stability

Features:

- JAY Balance's well or Pelvic Loading Area (PLA) is based on anthropometric measurements of the average pelvic bone width. The PLA size will automatically correspond to the cushion width to ensure maximal pelvic stability
- Soft polyurethane foam overlay gently supports the trochanters and thighs. Provides extra protection to the ischial bones in situations where there is loading onto the front well wall
- New rear well wall and steeper front wall have been designed to prevent fluid migration
- The JAY Balance may be ordered with a JAY Flow Fluid or Roho Air insert
- Three different covers available: microclimatic, incontinence and stretch



The Multi-Layered, Contoured Foam Base

Clinical Application:

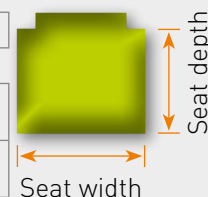
- Suitable for clients at high risk of skin breakdown and shear e.g. elderly users or clients with MS, stroke, Muscular Dystrophy, Motor Neurone disease and other neurological conditions
- Clients with symmetrical or asymmetrical postures who require increased pelvic stability and lower limb positioning
- Clients who are unable to pressure relieve or reposition themselves



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			

Max. Height [standard] 8.5 cm

Weight cushion 40x46cm	2.4 kg fluid insert 1.9 kg air insert
Max. user weight	150 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, and ensure fluid placement underneath bony prominences to help protect the skin from breakdown. The pads can be used to correct or accommodate pelvic asymmetries.



The field-adjustable positioning components

With the optional positioning components the pelvis and thighs can be properly positioned for optimal orthopaedic alignment, increased sitting tolerance and accommodates the user's changing needs.

Innovative, Dual-Cover System

The Balance cushion features a dual-cover system.

The **inner cover** is two-way stretch dartex fabric, water resistant and easy to clean. The 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. The Balance is also available with an incontinence cover or stretch cover for greater immersion and pressure relief. All covers are machine washable at 60°C and quick to dry.



J3 Standard and Deep Contour Cushion

Designed for the client with complex needs

Features:

- Precontoured, carvable, closed cell foam base
- Two contour depths versions: standard or deep
- Optiwell™ technology i.e. anthropometrically designed Pelvic Loading Area (PLA)
- The choice of Fluid or Air PLA inserts
- Microclimatic or incontinence cover options. Comfort layer is integral to cover
- Modification possibilities



Clinical Application:

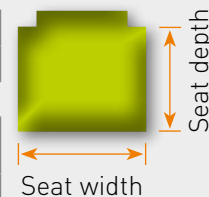
- Clients at high (standard cushion) to very high (deep contour cushion) risk of skin breakdown with or without pelvic and thigh asymmetries
- Clients requiring greater lateral, forward/rearward stability and/or positioning components
- Clients unable to reposition or perform an independent weight shift



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

Max. Height [standard]	9.5 cm
Max. Height [Deep]	10.8 cm

Weight cushion 40x40cm	1.9 kg
Max. user weight	150 kg (width 30-50cm) 227 kg (width 56-60cm)
Guarantee	2 years



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



The cushion offers two contour depths

Standard contour: High skin risk client



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



The choice of Fluid or Air technology



Fluid Inserts:

Factory Filled (FF) PLA insert. Also as Field Variable (FV) available

The JAY Flow Fluid Technology is the optimal choice when ease of use, stability and minimal maintenance are priorities.



Roho® Air Inserts:

Air Single Valve (AS) PLA insert. Also as Air Dual Valve (AD) to correct or accommodate pelvic asymmetries

The air insert is the optimal choice when correcting changing pelvic positions or a lighter weight solution is desired.

Different cover options

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

The reticulated foam comfort layer within the 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.



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:

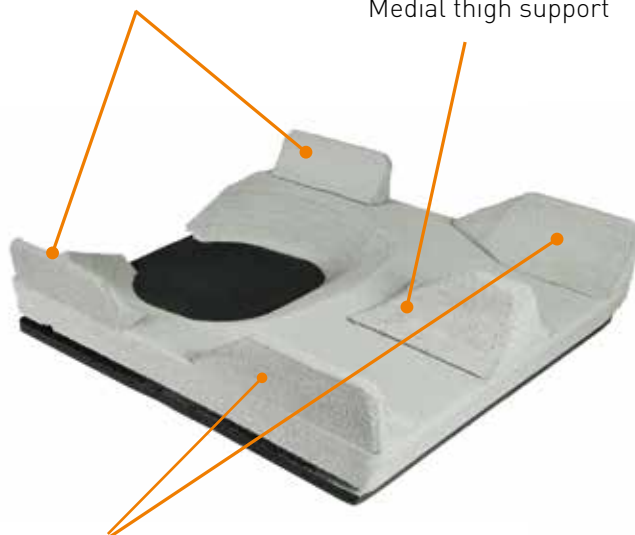
- Lateral thigh supports
- Medial thigh supports
- Lateral pelvic supports
- Pelvic obliquity wedges
- Solid seat

J3 accessories



Lateral pelvic supports

Medial thigh support



Lateral thigh supports



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



J2 and J2 DC accessories



GS cushion

Designed for the paediatric client with moderate to aggressive postural needs

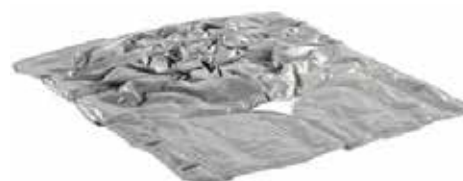
Features:

- Lightweight foam base with growth capability via well inserts and a wide range of postural support. Bevelled front edge to accommodate tight hamstrings
- Choice of JAY Flow fluid pads; standard, balance and pressure relief
- For added skin protection there is a pressure relief pad with more fluid
- Incontinence resistant cover as standard (air exchange cover as option)
- Wide range of retrofittable positioning components to easily customise the cushion to meet specific needs



Clinical Application:

- Designed for the client with symmetrical and asymmetrical postures who require correction or accommodation
- Clients unable to weight shift; limited postural stability and unable to reposition
- Designed to grow with the child (1 to 3 growth ratio)



New 'balance' GS fluid pad



Old style 'standard' fluid pad

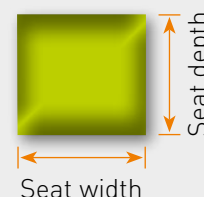


Old style 'pressure relief' pad

Depth	Width				
cm	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	150 kg
Guarantee	2 years



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



JAY Backrest Range

JAY Comfort

Offers a simple and effective solution for clients requiring a solid backrest support to enhance posture and provide a high level of comfort with mild positioning

32

JAY Shape

Premium tension adjustable backrest for greater support and comfort

36

JAY Easy

Provides a simple and easy solution for clients that do not require the truly tailored and precise fit that the J3 backrest offers

38

JAY J3

Offers the widest range of sizes, shapes and options for clients that require a precisely fitted, and individually tailored backrest

43

JAY J3 Carbon

An ultra lightweight and stylish backrest for active users

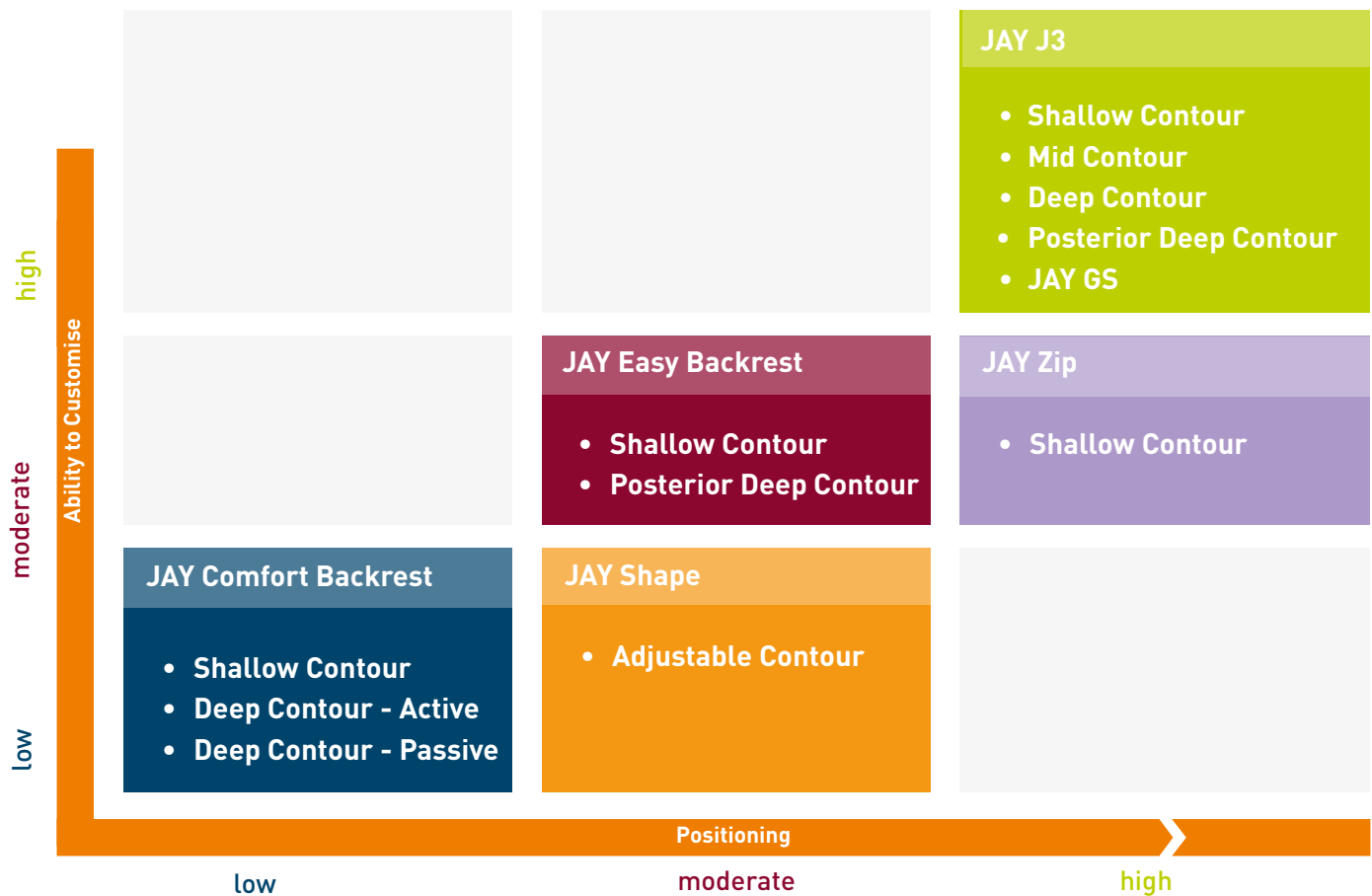
48

JAY Zip

Clinical seating, designed for kids

50

JAY Backrest Range - Adult



JAY Comfort

A range of thick padded backrests designed to deliver comfort and mild positioning through a variety of contours (shallow or deep), all offering built in adjustment (tension adjustable straps) for improved posture and comfort.

User Group:

Adults, powerchair or passive manual chair users

Equipment Goals:

- (1) Comfort
- (2) Mild positioning - No customisation



JAY Easy

A simple, easy to use backrest designed for clients requiring a greater level of support than the JAY Comfort can provide but who do not require the higher level of customisation or positioning possible with the J3.

Lightweight, adjustable and customisable, the JAY Easy is ideal for both manual or powered wheelchair users.

User Group:

Suitable for semi-active to passive, manual or powered wheelchair users

Equipment Goals:

- (1) Mild to moderate positioning
- (2) Comfort
- (3) Ability for individual customisation (Spine Align kit plus wide range of options)



JAY Shape

The JAY Shape combines a highly adjustable strap system with a soft and breathable padded upholstery, the JAY Shape is a lightweight and foldable solution for fixed or semi-reducible spinal postures.

User Group:

Active through to passive, manual or powered wheelchair users

Equipment Goals:

- (1) Mild to Moderate positioning
- (2) Ability to customise for more complex postures



JAY Zip

The JAY Zip backrest is the baby brother of the J3, designed specifically for children. It is available in four widths and four heights, with a range of positioning accessories to meet varying clinical needs. The JAY Zip is quick and easy to install and adjust with one 10mm spanner.

User Group:

Suitable for active through to passive, manual or powered wheelchair users

Equipment Goals:

- (1) Moderate to high positioning
- (2) Very precise fit for the client with the ability to customise (width, heights, adjustment range, options)



JAY J3 and J3 Carbon

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. It provides the highest level of support available from a modular backrest.

User Group:

Suitable for active through to passive, manual or powered wheelchair users

Equipment Goals:

- (1) Moderate to high positioning
- (2) Very precise fit for the client, with the ability to customise (width, heights, adjustment range, options)



JAY[®] COMFORT



The JAY Comfort range offers a simple and effective solution for clients requiring a solid backrest support to enhance posture and provide a high level of comfort with mild positioning.

Ideally suited for powerchair users as the backrests are heavier and deeper than the JAY Easy and JAY J3, but also can be mounted onto manual wheelchairs for more passive wheelchair users where product weight is not critically important.

- Different backrest widths and heights
- Shallow or Deep Contour for greater lateral positioning
- Deep Contour in Active or Passive shapes for different levels of support
- Solid wooden, elastic straps or tension adjustable straps
- Available on all Quickie power wheelchair order forms and compatible with all Quickie manual wheelchairs
- Compatible with almost all other wheelchairs on the market thanks to the simple mounting hardware

Simple J3 Mounting System

- Utilises the revolutionary J3 mounting hardware
- Easily fits onto most manual or power wheelchair backrest tubes including 'D' type tubing
- Brackets provide width, depth and angle adjustment
- Can be easily retro fitted onto existing wheelchairs in use



J3 Backrest Range

- Entry level comfort backrest
- Shallow contour and padded for extra comfort
- Hard wooden, elastic or tension adjustable straps
- 50cm (hard back) or 57cm (elastic or tension adjustable straps) back height

Performance within the JAY Comfort range

Comfort	■ ■
Stability	■
Anatomical contouring	■ ■
Positioning	■ ■
Freedom to move	■ ■ ■ ■



Hard back - 50cm tall



Elastic straps - 57cm tall



Tension adjustable - 57cm tall

Backrest sizes							
16"	17"	18"	19"	20"	22"	23.5"	25"
40cm	43cm	46cm	48cm	51cm	56cm	60cm	64cm

Deep Contour - Active

- 4" Deep Contour backrest for greater lateral stability
- Lateral support around the lower back, tapering away at the shoulders
- Deep Contour tapers away at the shoulders so as not to restrict active users.
- Tension adjustable straps to accommodate spinal curves
- 57cm back height

Performance within the JAY Comfort range

Comfort	■ ■ ■
Stability	■ ■ ■ ■
Anatomical contouring	■ ■ ■
Positioning	■ ■ ■
Freedom to move	■ ■ ■



Backrest sizes							
16"	17"	18"	19"	20"	22"	23.5"	25"
40cm	43cm	46cm	48cm	51cm	56cm	60cm	64cm

- Other sizes available upon request from Built-4-Me

Deep Contour - Passive

- 4" Deep contour backrest extending up the whole backrest giving support across the entire upper body.
- Ideally suited for more passive users who require more support
- Tension adjustable straps to accommodate spinal curves
- 57cm back height

Performance within the JAY Comfort range

Comfort	■ ■ ■
Stability	■ ■ ■ ■
Anatomical contouring	■ ■ ■ ■
Positioning	■ ■ ■ ■
Freedom to move	■ ■



Backrest sizes							
16"	17"	18"	19"	20"	22"	23.5"	25"
40cm	43cm	46cm	48cm	51cm	56cm	60cm	64cm

- Other sizes available upon request from Built-4-Me

JAY Shape



The JAY Shape backrest can be easily shaped to offer maximum surface contact to optimise the spinal support, pressure distribution and accommodate fixed postures including kyphosis, hyper lordosis or rib cage asymmetries.

Premium Tension Adjustable Upholstery

The JAY Shape offers a quick and simple field-adjustable backrest support system. Wide straps provide a stable and comfortable support surface. Two vertical rows of auto-lock buckles allow fast, independent adjustment to tailor the backrest support to specific user needs, for example right or left sided shaping to accommodate rib hump asymmetries or trunk rotation.

The two vertical zippers allow easy mounting of the backrest and optional lateral supports on the back posts without interfering with the strap system. This ensures rapid fitting and a greater compatibility for more complex postures.



Easily adjustable straps

Back post cover with front and back zippers

Auto-lock buckles for fast and secure adjustments



Exceptional Comfort and Breathability

The thin soft foam overlay supports the adjusted shape and maximises contact around the user's back to enhance comfort and pressure distribution. Optional spine align components can be inserted to further shape the backrest surface to meet more complex positioning needs.

The highly breathable 3DX™ spacer fabric of the cover increases air flow and vents heat and moisture effectively to ensure that skin stays cool, dry and comfortable.

Options and Accessories

JAY Shape is available with spine alignment components. Lateral supports are available for advanced trunk positioning to correct or support a lateral collapse or scoliosis.



Technical Data

Backrest width:	36cm - 48cm (in 2cm increments)	Backrest weight:	0.98kg (40cm x 46cm)
Backrest height:	40 / 46 / 50cm	Cover:	Microclimatic cover with spacer fabric
Maximum user weight:	135kg	Accessories:	Lateral supports and spine align components



JAY Easy Backrest

Evolved out of feedback from users and prescribers, the JAY Easy provides a simple and easy solution for clients that do not require the truly tailored and precise fit that the J3 offers.

Combining a simple and elegant design with the revolutionary J3 technology, the JAY Easy is a simple and easy to use solution for providing optimal spinal support, positioning and exceptional comfort.

■ EASY to order ■ EASY to fit ■ EASY to use

Guidelines for JAY Easy:

- For mild to moderate positioning
- When accommodation and comfort are the main priorities (for correction and aggressive positioning choose J3)
- Users who do not need the precise fit of JAY J3 but a simpler solution
- A less complex and easier to prescribe solution (in comparison to other backrests)
- When you require a solution that is easy to order, easy to fit and easy to adjust
- Likely user groups include; Stroke, MS, MND and the elderly population



Easy ordering

The JAY Easy perfectly balances the need for a good fit and adequate positioning with simplicity. For a truly tailored fit the J3 is available in a wider range of shapes, sizes and heights but for most of your clients the JAY Easy supports an upright posture and provides a stable and ergonomic seating position.

Shallow or Deep Contour

The JAY Easy is available in 14", 16", 18" and 20" widths and offers two different types of contours for an increased trunk stability.



3 levels of support

Available in three different heights to match the client's function and desired level of support, right from the more active (Mid Thoracic) to passive wheelchair users (Shoulder Height).



Mid Thoracic,
38 cm



Upper Thoracic,
46 cm



Shoulder Height,
53 cm

JAY EASY BACK

Backrest width	36 / 41 / 46 / 51 cm	(+2" of width adjustment via brackets)
Backrest height	38 / 46 / 53 cm	(adjustable via backrest brackets and/or posts)
Back angle	+12° to -12°	
Transport weight	2.4 kg	
Max. user weight	136 kg	
Accessories	Headrest, fixed lateral support, chest straps and lumbar supports	
Safety	Crash tested	

Easy Mounting Hardware

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

- **Easy to fit** to all common backrest tubes: 1.9cm, 2.2 – 2.3 cm or 2.5 cm
- **Easy to mount:** Two point fixation to backrest tube
- **Stronger with less play:** Four point attachment to backrest
- **Easy to use with less play:** One handed backrest pull cord release
- **Easy to adjust:**
 - 2" width adjustment
 - 3" depth adjustment
 - +12° to -12° height adjustment
 - Height adjustable



Easy comfort with advanced foam and cover technology

Designed to maximise comfort and increase sitting tolerance, the JAY Easy utilises the latest foam technology and a microclimatic cover.

- 3DX™ spacer fabric vents both heat and moisture and increases air flow
- Cover is machine washable at 60°C and quick to dry
- Thick, soft foam that increases immersion and comfort



Easy positioning and customisation

For users who require further customisation or increased support, there are a variety of options available on the JAY Easy taken from the JAY J3 backrest range.

- Shape of the back can be easily adapted to the user through lumbar pads and JAY Spine Align
- Lateral supports
- Headrests
- Chest straps and harnesses





J3 Backrest 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 wheelchair users, right through to passive powered wheelchair users.

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



Designed to deliver the perfect fit

Through a wider range of shapes, sizes and heights, the J3 offers a varied and comprehensive solution for prescribers to achieve a precise fit which can then be further tailored to meet individual client needs.

Five contour depths

The JAY J3 is available in 12", 14", 16", 18", and 20" widths and offers five different contour shapes to provide varying levels of trunk stability.

Shallow contour

Moderate lateral support

5cm



Mid contour

Medium lateral support

8cm



Deep contour

Upper thoracic lateral support

15cm



Mid deep contour

Mid thoracic lateral support

15cm



Posterior deep contour

Low thoracic lateral support

15cm

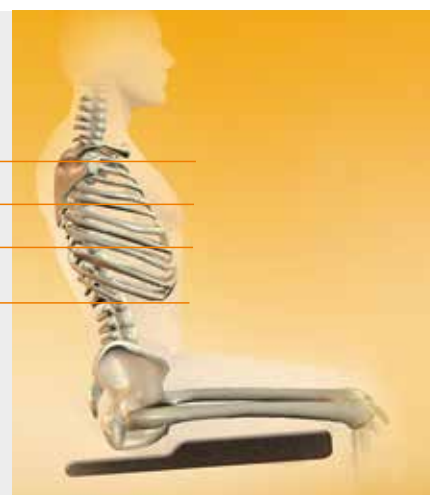


Four levels of back support

Available in four different heights to match the client's function and desired level of support.

Lower Thoracic for the most active manual wheelchair users, right through to the Shoulder Height for passive users requiring more support.

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



Three back support heights

Each level of back support from Lower Thoracic to Shoulder Height is available in either a short, medium or tall to perfectly fit the client's back height.

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 is available in three different individual heights and one of the reasons why the J3 offers such a precise fit.

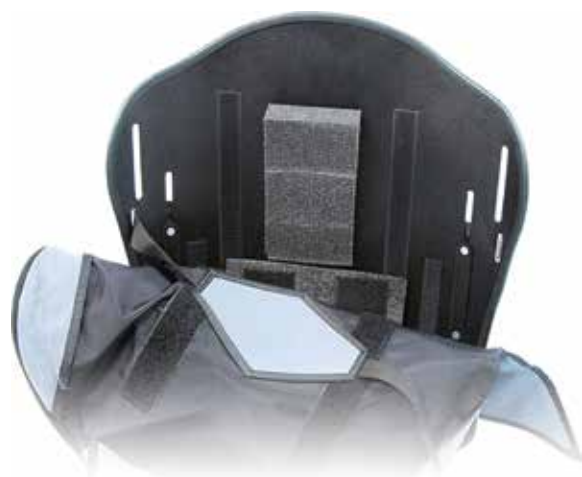
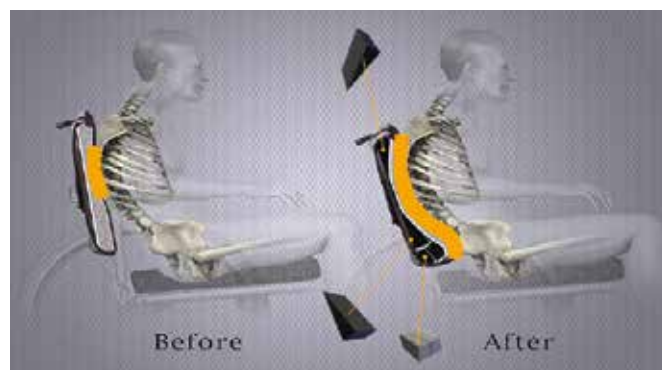


Take the perfect fit and customise it even further

Even a perfectly sized backrest in width, height and contour may need to be further customised to accommodate or correct spinal asymmetries and promote good posture and function.

Spine Align kit

- Shaping components to optimise postural stability and provide precise correction/ accommodation of mild to moderate postural deformity
- Surface loading area can be maximised for skin integrity preservation
- Improve comfort and sitting tolerance



Different kits available with 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 in width, depth, angle and height. You can even adjust the back with the client in the chair!



Compact Mounting Hardware

The Compact Mounting hardware has been redesigned tailored to the needs of active users. This hardware is provided as standard with Low Thoracic and Mid Thoracic back heights.

The Compact Mounting Hardware is slim and more compact and so 25% lighter than the standard hardware and the lightest on the market.



Heavy Duty Compact Mounting Hardware

The Heavy Duty Compact Mounting hardware is tailored to the needs of more passive users. This hardware is provided as standard with Upper Thoracic and Shoulder High back heights

This hardware is focused on greater stability and more adjustments for more passive users.

Multi-Tubing Compatibility

- Revolutionary hinged clamp design that is compatible with most wheel-chairs on the market
- Even mounts to non-traditional tubing such as double "D" tubing



2,8 cm



2,5 cm



1,9 cm

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 Back



J3 Carbon - the support needed to be active

Designed to provide an ultra lightweight and stylish backrest for active users, the J3 Carbon backrest provides firm stabilisation of the pelvis and lower spine to encourage an optimal spinal curve. This stability is needed for upper body movement to ensure you can maintain an active lifestyle. Apart from being exceptionally comfortable, it can also help to reduce back pain.

The force that's generated when propelling your wheelchair is transferred more efficiently through a solid back into the frame. That means when pushing, you're generating greater movement with less effort.

Choose your back...!

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



→ **Different support levels**
Always the right support
(four heights from 17 - 38cm)



→ **Active contour**
Mild lateral trunk support
through 5cm contour depth

J3 Carbon Back

Choose your mounting system

The J3 Carbon backrest is available with two different mounting systems. The fixed system offers rigid wheelchair users the lightest possible mounting solution. Alternatively, the quick-release system allows the backrest to be easily removed, ideal for folding wheelchairs. Both mounting systems offer the same angle, depth, height and width adjustments to adapt to your individual needs.

The quick release hardware

Ideal for folding wheelchairs



The fixed mounting system

The minimum weight solution. Ideal for rigid wheelchairs.



Where are the keys?

You now have somewhere to store those easy to misplace items with the new accessory bag. Not only will it keep all of your valuables in one place, but it also smartly covers the gap between your back and cushion. You'll wonder what you ever did without it.

Accessory bag -
useful and stylish



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, 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: 1.9cm with inserts; 2.2 - 2.3cm with inserts or 2.5cm without insert
- One tool adjustments

Convenient and 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 / 35cm	Back angle:	+20° to -20°
Backrest height:	15 / 20 / 25 / 30cm	Width adjustability:	+2.5cm
Transport weight:	1.1kg	Depth adjustability:	7.5cm
Maximum user weight:	75kg	Accessories:	Headrest, lateral support, spine align positioning components, chest strap, vanity flap and spare cover

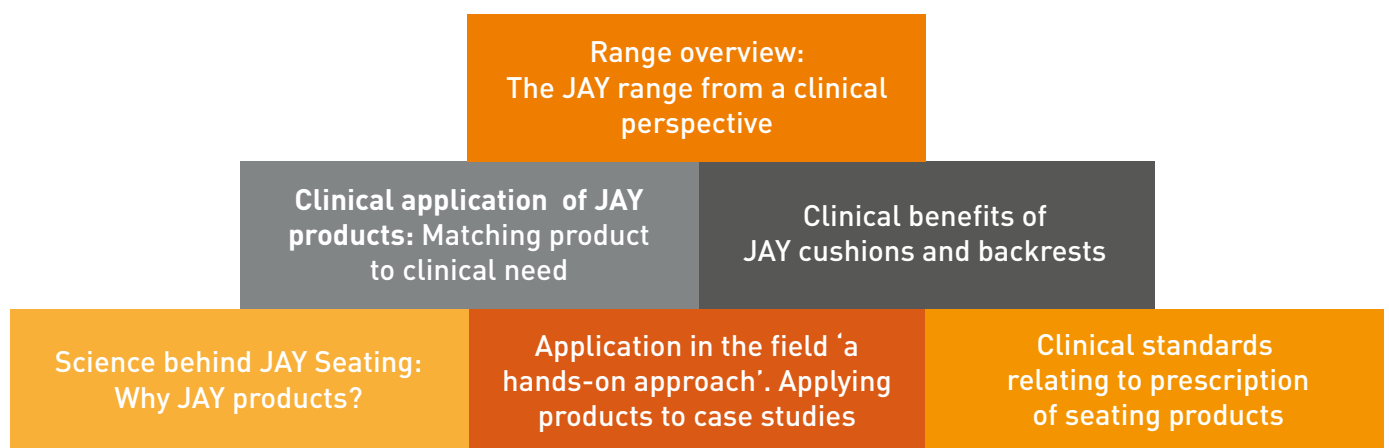




Knowledge for the future

Available to you are a range of training courses developed out of feedback from clinicians and health professionals. Regularly updated from ongoing feedback, each session is up-to-date, relevant and tailored to the individual group.

Each session is delivered by the JAY Seating, Product and Clinical Specialist, Matthew Eveleigh, OT and blends product, clinical and hands on content covering the following areas:



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