

## Posterior Pelvic Tilt with Kyphosis



### Common Factors:

- Seat depth too long
- Lack of support at lumbar spine or PSIS
- Foot supports at incorrect height
- Increased/decreased trunk tone
- Hip flexion to less than 90°
- Shortened hamstrings
- Back support too upright or tall

### Flexible

### Fixed

#### Clinical Back Support Goals

- Correct flexible deformity
- Reduce back or neck pain
- Increase trunk stability and balance
- Maximise upper body function
- Increase comfort and sitting tolerance
- Promote skin integrity

- Accommodate fixed deformity
- Reduce back or neck pain
- Increase trunk stability and balance
- Maximise upper body function
- Increase comfort and sitting tolerance
- Promote skin integrity

#### Specific Features Required

- **Adjustable contouring** - to correct deformity
- **Angle adjustable** - optimise trunk stability
- **Appropriate height** - support trunk to enable function
- **Depth adjustable** - improve lateral trunk stability
- **Breathability** - reduce perspiration
- **Soft foam overlay** - increased comfort

- **Adjustable contouring** - to accommodate deformity
- **Angle adjustable** - allow open seat to back angle for stability
- **Appropriate height** - support trunk to enable function
- **Depth adjustable** - increase lateral stability
- **Breathability** - reduce perspiration
- **Soft foam overlay** - for comfort

#### Support Type

First option:  
Tension Adjustable Back



For firmer support:  
Solid Back Support



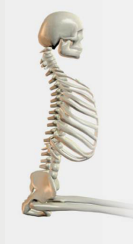
First option:  
Tension Adjustable Back



For firmer support:  
Solid Back Support with foam inserts



## Anterior Pelvic Tilt with Hyperlordosis



### Common Factors:

- Back support too upright
- Excessive lumbar contouring
- Tight Quadriceps / Hip flexors, spinal extensors
- Weak abdominals or low central tone

### Flexible

### Fixed

#### Clinical Back Support Goals

- Correct flexible deformity - restore correct spinal curves
- Reduce back / neck pain
- Increase trunk stability and balance
- Maximise upper body function
- Increase comfort and sitting tolerance
- Promote skin integrity

- Accommodate fixed posture
- Reduce back or neck pain
- Increase trunk stability and balance
- Maximise upper body function - contact with pelvis and spine
- Increase comfort and sitting tolerance
- Promote skin integrity

#### Specific Features Required

- **Adjustable contouring** - to correct deformity and promote spinal curves
- **Angle adjustable** - closed angle for support at PSIS/ Lumbar region
- **Appropriate height** - sufficient support at PSIS / Lumbar region without compromising arm function
- **Depth adjustable** - improve lateral trunk stability if required
- **Breathability** - reduce perspiration
- **Soft foam overlay** - increased comfort

- **Adjustable contouring** - to accommodate Hyperlordosis
- **Angle adjustable** - closed angle for support at PSIS/ Lumbar region
- **Height** - provide support at PSIS / Lumbar region without compromising arm function
- **Horizontal depth adjustable** - bring backrest user to maximum support
- **Breathability** - reduce perspiration
- **Soft foam overlay** - increased comfort

#### Support Type

Solid Back Support



Tension Adjustable Back



## Pelvic Obliquity and Scoliosis



### Common Factors:

- Seat width too wide
- Sling upholstery (slackened /stretched)
- Armrests too low
- Lack of pelvic support under greater trochanters
- Asymmetrical pain, ATNR

### Flexible

### Fixed

#### Clinical Back Support Goals

- Correct flexible deformity - restore correct spinal curves
- Reduce back / neck pain
- Increase trunk stability and balance using 3-point force correction
- Maximise upper body function
- Increase comfort and sitting tolerance
- Promote skin integrity

- Accommodate fixed deformity
- Reduce back / neck pain
- Increase trunk stability and balance using 3-point force principle to support
- Maximise upper body function
- Increase comfort and sitting tolerance
- Promote skin integrity

#### Specific Features Required

- **Adjustable contouring** - to correct deformity and promote symmetrical spine
- **Angle adjustable** - optimise trunk stability
- **Appropriate height** - to enable placement of pads in 3-point force configuration
- **Depth adjustable** - improve lateral trunk stability if required
- **Breathability** - reduce perspiration
- **Soft foam overlay** - increased comfort

- **Adjustable contouring** - to accommodate deformity
- **Angle adjustable** - optimise trunk stability
- **Appropriate height** - to enable placement of pads in 3-point force configuration
- **Depth adjustable** - improve lateral trunk stability if required
- **Breathability** - reduce perspiration
- **Soft foam overlay** - increased comfort

#### Support Type

Solid Back Support



Solid Back Support



# Choosing The Right Back Support For You

Our JAY range has offered superior postural support design since 1983.

JAY wheelchair backs provide stability in sitting to reduce fatigue and discomfort whilst optimising propulsion performance. Go anywhere with confidence.

For more information visit: [sunrisemedical.com](http://sunrisemedical.com)



## JAY J3

The J3™ Back is designed with a variety of contour depths, support heights, widths ranging from (31 to 51cm) and support shapes to fit almost every user.



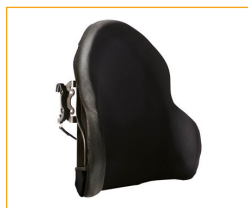
## JAY ZIP

Lightweight, versatile and designed just for kids.



## JAY J3 Carbon

Ultra lightweight and stylish backrest for active users.



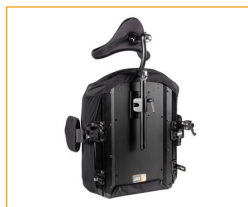
## JAY Easy

Positioning and comfort made easy.



## JAY Shape

Premium tension adjustable backrest for greater support and comfort.



## JAY Fit

The improved JAY Fit Back is a modular adjustable contour back, specially designed for the needs of children and young adults.

Whatever your seating needs, there's a JAY wheelchair back just for you.

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