



nxt
SEATING

Shaped to support
your every move

NXT SEATING AND POSITIONING



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NXT [nekst] *noun: wheelchair seating and positioning products*

The NXT Wheelchair Cushions and Back Supports are elegant, modern-looking seating and positioning products. These highly functional wheelchair seating solutions are built with superior quality materials and added-value features.

We have used our clinical know-how and proven expertise to develop seating and positioning solutions that provide effective postural support that maximizes comfort, mobility and function.

REACH THE
NXT LEVEL



nxt
SEATING

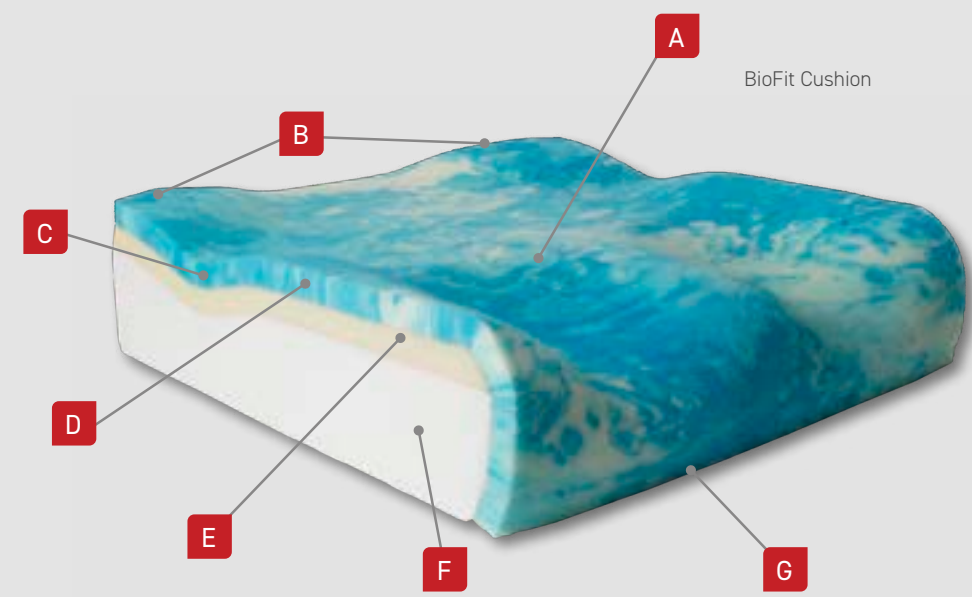
CUSHION

The NXT BioFit Wheelchair Cushion's multi-layer design provides deep immersion, support and skin protection for users at **medium to high risk of skin break down**, by redistributing pressure over the full surface of the cushion.



BIOFIT OVERVIEW

- A** Pre-Ischial bar to reduce sliding and enhance positioning
- B** Posterior lateral contour for firm support and off loading
- C** Trochanteric contour for positioning
- D** Soft density top layer for comfort and immersion. smartGEL infused Visco Technology)
- E** Medium density foam provides improved support, positioning and and immersion. BioFit incorporates a medium density Visco foam
- F** Firm HR moulded layer for support, stability and durability with SIT Technology
- G** Beveled front edge is ideal for foot propellers or users who may have tight hamstrings
- H** Textured non-skid bottom with loop Velcro® and carry strap
- I** smartx3D antimicrobial polyester 4-way stretch cover for comfort, breathability and enhanced immersion
- J** Waterproof zipper



NXT SIT (Selective Immersion Technology)
BioFit Cushions incorporate NXT's SIT technology. Perforations are anatomically positioned to support the ischial/sacral area to prevent sliding and shear while maintaining pelvic positioning. The perforations are molded at different depths and are conical in shape. This provides immersion and lower pressures to the bony prominence's while supporting surrounding areas that can take a higher load.



PELVIC OBLIQUITY/LATERAL PADS
Available in 0.5" (1.3 cm) or can be doubled to 1" (2.5 cm), are easy to install in a variety of locations with double-sided tape and trimmed to fit. Can be used as a pelvic obliquity build up or adduction for thighs.



INCONTINENCE OUTER COVER
The NXT incontinent outer cover with waterproof zipper is made from hospital grade, durable stretch material that is easily cleaned and disinfected. Antimicrobial resistant, breathable and fluid proof, latex free.

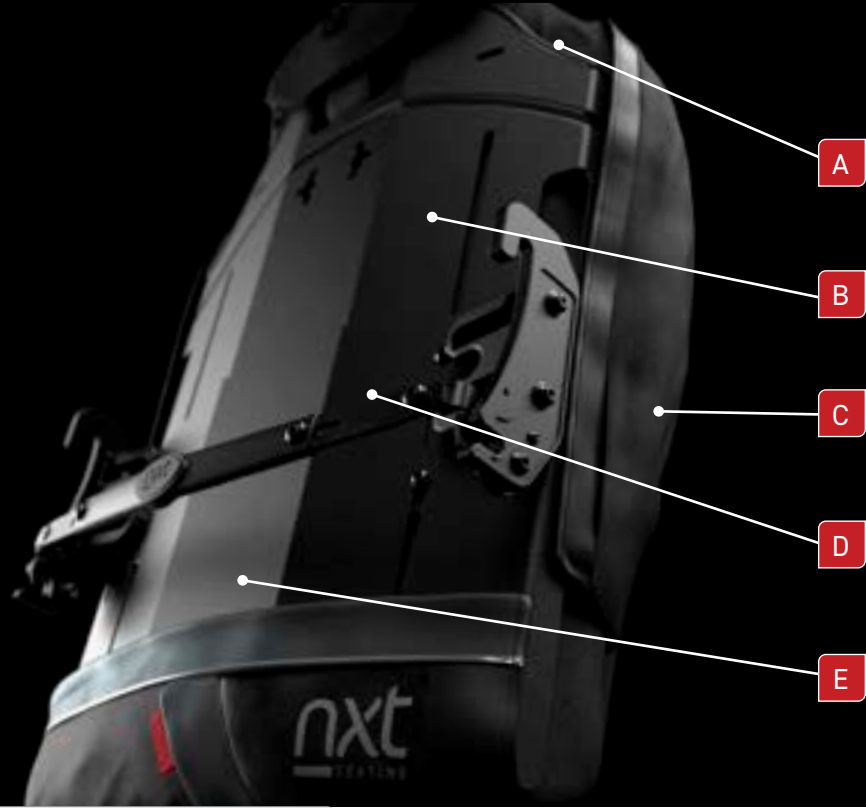


SOLID SEAT INSERT
Slim profile solid seat inserts are available to provide a firm sitting surface and are contoured to eliminate the hammock effect when cushions are used on a sling seat.

Xtend

HEIGHT ADJUSTABLE THORACIC BACK SUPPORT

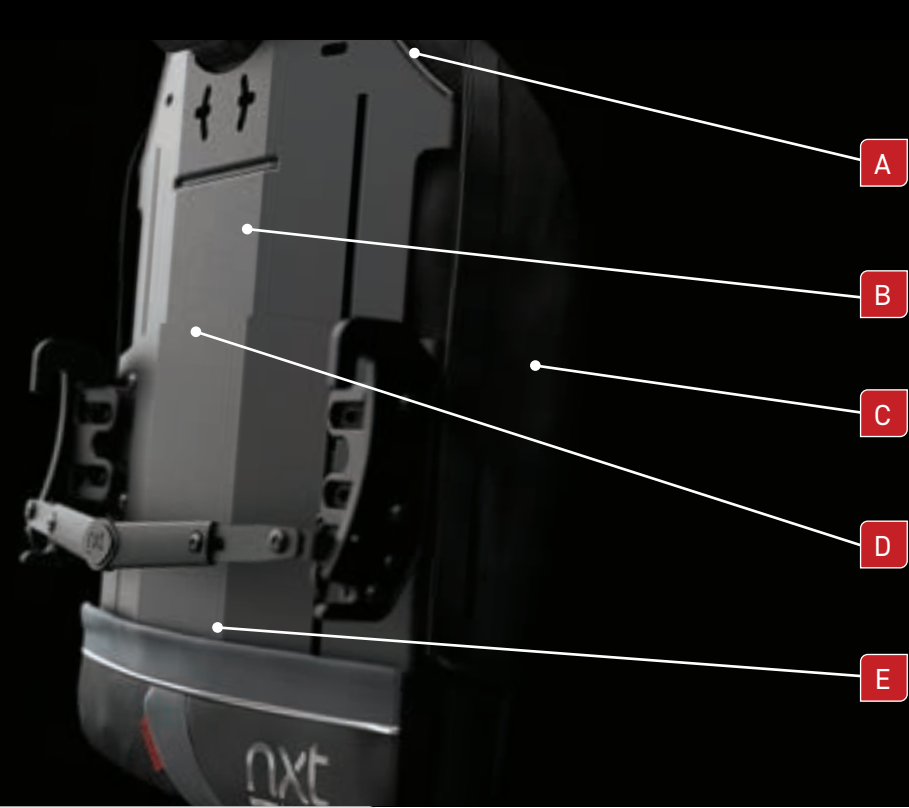
The NXT Xtend Back Support is one of the most uniquely adjustable back supports on the market today – with an adjustable height range from 16" – 20" allowing for precise targeted support of the thoracic region.



Xtend LOW

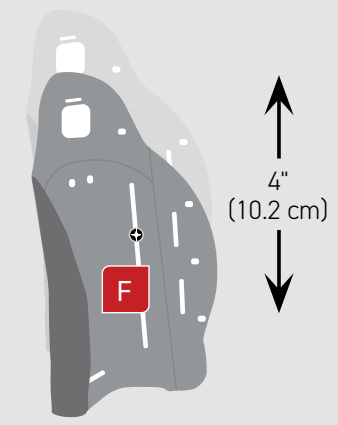
HEIGHT ADJUSTABLE THORACIC BACK SUPPORT

With an adjustable height range of 13" - 17" the NXT Xtend LOW Back Support is lower than the standard back. This offers an improved fit for shorter users and users who need lower trunk support, without restricting their range of motion of the shoulders and upper limbs.



OVERVIEW

- A** Scapula cut-out shape
- B** Adjustable upper section allows for optimal lateral thoracic support
- C** Xtend is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 5.5" to 7" (14 cm to 17.8 cm) for optimal mid-line support and positioning
- D** Two-piece lightweight aluminum shell
- E** Fixed lower section supports the pelvis
- F** Built-in height adjustment, allows back height, and lateral contour height to be to be set exactly where support is needed. Done quickly and easily with the user seated in the wheelchair



HEIGHT ADJUSTABLE

WHAT IS INCLUDED

- Dual density foam back cushion includes smartGEL Infused Visco Technology
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Pelvic / Lumbar pad
- Installation hardware – QuickFit Mounting System
- One-hand Quick Release

XTEND



XTEND DEEP

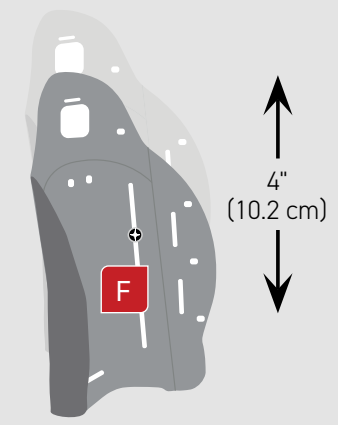


ACCESSORIES & OPTIONS

- Lateral supports
- Head supports
- Replacement cover and foam
- Incontinent infection control covers (inner and outer)

OVERVIEW

- A** Scapula cut-out shape
- B** Adjustable upper section allows for optimal lateral thoracic support
- C** Xtend LOW is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 5.5" to 7" (14 cm to 17.8 cm) for optimal mid-line support and positioning
- D** Two-piece lightweight aluminum shell
- E** Fixed lower section supports the pelvis
- F** Built-in height adjustment, allows back height, and lateral contour height to be to be set exactly where support is needed. Done quickly and easily with the user seated in the wheelchair



HEIGHT ADJUSTABLE

WHAT IS INCLUDED

- Dual density foam back cushion includes smartGEL Infused Visco Technology
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Pelvic / Lumbar pad
- Installation hardware – QuickFit Mounting System
- One-hand Quick Release

XTEND LOW



XTEND LOW DEEP



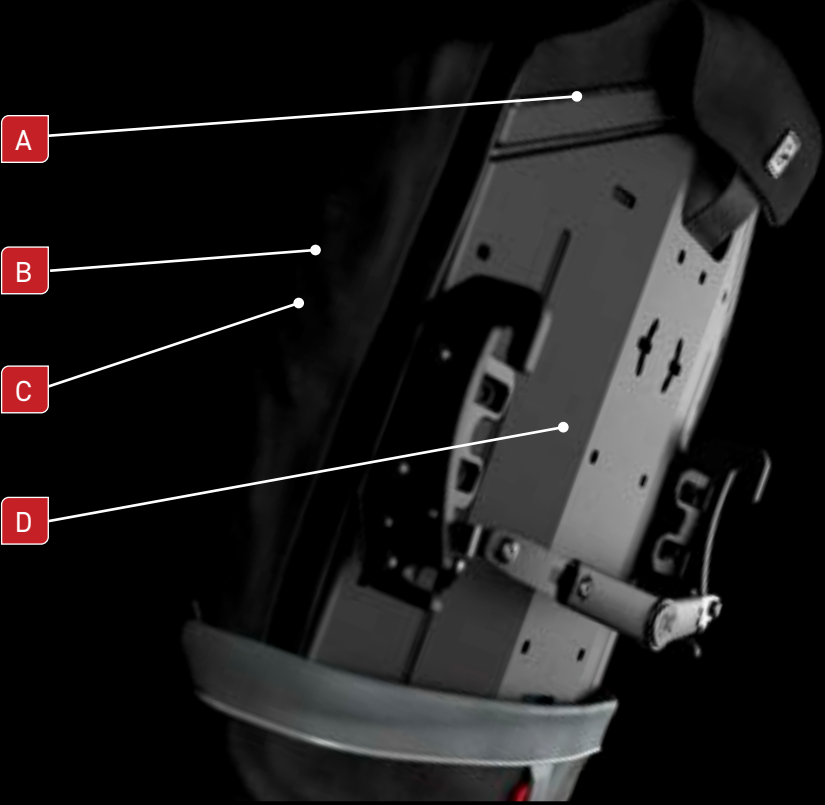
ACCESSORIES & OPTIONS

- Lateral supports
- Head supports
- Replacement cover and foam
- Incontinent infection control covers (inner and outer)

Optima

THORACIC BACK SUPPORT

The NXT Optima Back Support allows for optimal pelvic positioning while providing proper support for the user's thoracic region. The Optima offers a very large range of width and height choices to accommodate a large range of users, from very active to less active - and body types from very small to bariatric.



Optima CARBON

THORACIC BACK SUPPORT

The NXT Optima CARBON Back Support is designed for active users wishing to keep the total weight of their chair down without sacrificing material strength or performance.



OVERVIEW

- A** Scapula cut-out shape for advanced freedom of movement
- B** Optima is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 5.5" to 7" (14 cm to 17.8 cm) for optimal mid-line support and positioning
- C** Higher lateral contours, providing better support in the thoracic region while maintaining optimal pelvic positioning
- D** Lightweight aluminum shell

WHAT IS INCLUDED

- Dual density foam back cushion includes smartGEL Infused Visco Technology
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Installation hardware - QuickFit Mounting System
- One-hand Quick Release

OPTIMA



OPTIMA DEEP



ACCESSORIES & OPTIONS

- Lateral supports
- Head supports
- Replacement cover and foam
- 2 point micro mount, 2 point mount & 4 point mount

OVERVIEW

- A** Scapula cut-out shape for advanced freedom of movement
- B** One-piece ultra-light carbon fiber shell. Manufactured from T700 high-modulus carbon fiber, the lightest and most rigid available
- C** Higher lateral contours, providing better support in the thoracic region while maintaining optimal pelvic positioning
- D** Optima Carbon is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 5.5" to 7" (14 cm to 17.8 cm) for optimal mid-line support and positioning

WHAT IS INCLUDED

- Dual density foam back cushion includes smartGEL Infused Visco Technology
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Pelvic / Lumbar pad
- Installation hardware - QuickFit Mounting System
- One-hand Quick Release

OPTIMA CARBON



OPTIMA CARBON DEEP



ACCESSORIES & OPTIONS

- Lateral supports
- Head supports
- Replacement cover and foam
- 2 point micro mount, 2 point mount & 4 point mount

Classic

PELVIC BACK SUPPORT

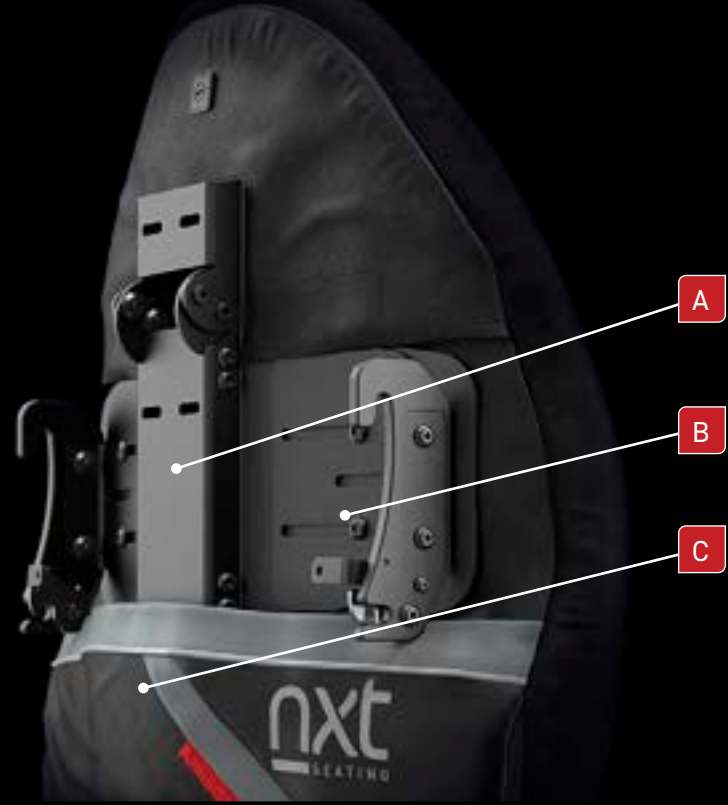
The NXT Classic Back Support is designed to provide stability in the pelvic region for users with good trunk control or to enhance thoracic support.



Armadillo

MULTI-ADJUSTABLE BACK SUPPORT

The NXT Armadillo Back Support is a multi-adjustable postural support back which features a three section modular shell with smartGEL Infused Visco Technology back cushion. The Armadillo is designed to adjust to fit the unique contour of the user's spine and to accommodate users with kyphosis and other unique spinal positioning needs.



OVERVIEW

- A

Scapula cut-out shape for advanced freedom of movement
- B

One-piece lightweight aluminum shell
- C

Lateral contours provide pelvic stability for users with good trunk control
- D

Classic is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 5.5" to 7" (14 cm to 17.8 cm) for optimal mid-line support and positioning

WHAT IS INCLUDED

- Dual density foam back cushion includes smartGEL Infused Visco Technology
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Pelvic / Lumbar pad
- Installation hardware – QuickFit Mounting System
- One-hand Quick Release

CLASSIC



CLASSIC DEEP



ACCESSORIES & OPTIONS

- Lateral supports
- Head supports
- Replacement cover and foam
- 2 point mount & 4 point mount

OVERVIEW

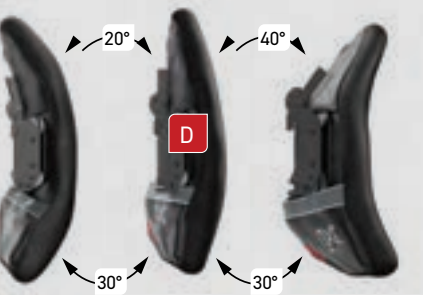
- A

Off-loading for spinious processes in the recessed middle channel
- B

Expandable mounting hooks allow the back support to mount on wider wheelchairs (up to 2" wider)
- C

Adjustable bottom plate offers individualized pelvic support at the PSIS
- D

Able to wrap around the curve of the spine for users with kyphosis and other unique spinal positioning needs.



WHAT IS INCLUDED

- Lightweight aluminum three-section modular shell
- Dual density foam back cushion includes smartGEL Infused Visco Technology
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Installation hardware – QuickFit Mounting System
- One-hand Quick Release

ARMADILLO



Optional Side Lateral Contour



ACCESSORIES & OPTIONS

- 2" lateral contour add-on
- Lateral supports
- Head supports
- Replacement cover and foam

üFit

CUSTOMIZABLE PELVIC BACK SUPPORT

NXT üFit Pelvic Back Support can be customized to uniquely fit users with Scoliosis, kyphosis, and other spinal irregularities requiring pelvic support. The main foam support layer is comprised of removable/customizable üCube foam blocks, which can be individually removed and or cut to create the required fit that accommodates each user's unique needs. A secondary layer of foam ensures the contour is smooth and prevents exposure of the shell.

üFit is not available in the USA



üFit II

CUSTOMIZABLE THORACIC BACK SUPPORT

The NXT üFit II Thoracic Back Support can be customized to uniquely fit users with scoliosis, kyphosis, and other spinal irregularities requiring thoracic support. The main foam support layer is comprised of removable/customizable üCube foam blocks, which can be individually removed and or cut to create the required fit that accommodates each user's unique needs. A secondary layer of foam ensures the contour is smooth and prevents exposure of the shell.

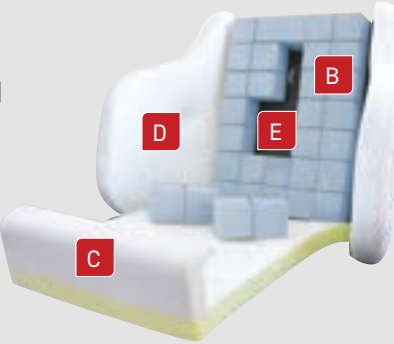
üFit II is not available in the USA



OVERVIEW

- A** üFit is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 7.75" – 8.75" (19.7 – 22.2 cm) for optimal mid-line support and positioning
- B** Easily removable üCube foam blocks allows adjustability of the contour shape for a customized fit for the user

- (üCubes are also individually customizable by cutting them to suit the user as required)
- C** Centre foam overlay and double zipper provides easy access to adjust üCubes
- D** Side contour foam overlays for stability and added comfort
- E** Aluminum shell



WHAT IS INCLUDED

- 2" tall üCube polyurethane foam blocks
- Medium density foam cushion overlay
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Installation hardware – QuickFit Mounting System
- One-hand Quick Release



ACCESSORIES & OPTIONS

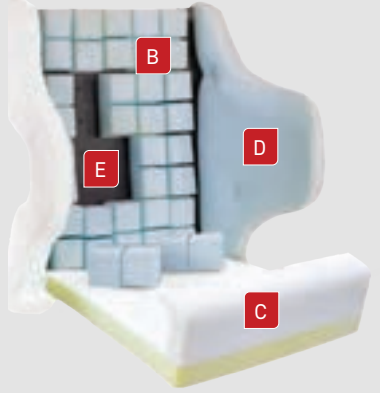
- Head supports
- Incontinent infection control covers
- Optional Visco Gel midsection
- Optional 1" and 3" tall üCubes available
- Replacement cover and foam
- Standard and DEEP Contour options
- 2 point mount & 4 point mount



OVERVIEW

- A** üFit II is available in a Standard and Deep adjustable lateral contour depth. The Deep offers an adjustable depth of 7.75" – 8.75" (19.7 – 22.2 cm) for optimal mid-line support and positioning
- B** Easily removable üCube foam blocks allows adjustability of the contour shape for a customized fit for the user

- (üCubes are also individually customizable by cutting them to suit the user as required)
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WHAT IS INCLUDED

- 2" tall üCube polyurethane foam blocks
- Medium density foam cushion overlay
- smartx3D antimicrobial polyester 4-way stretch cover (washable)
- Installation hardware – QuickFit Mounting System
- One-hand Quick Release



ACCESSORIES & OPTIONS

- Head supports
- Incontinent infection control covers
- Optional Visco Gel midsection
- Optional 1" and 3" tall üCubes available
- Replacement cover and foam
- Standard and DEEP Contour options
- 2 point mount & 4 point mount



TECHNOLOGY AND FEATURES

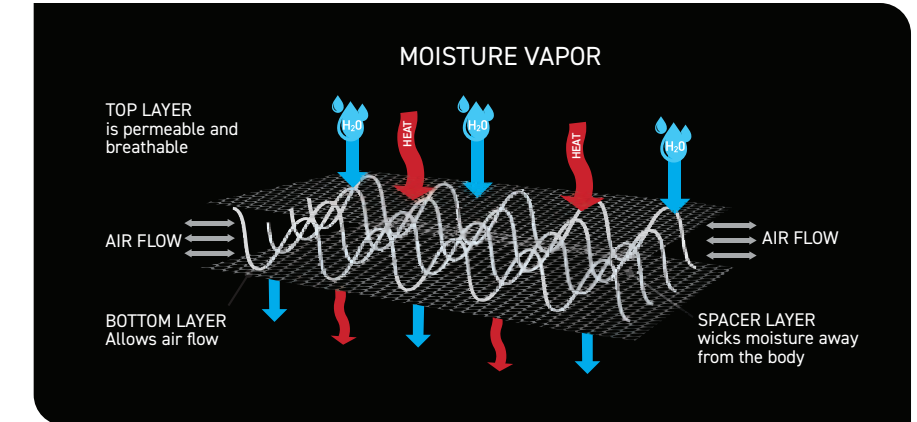
The NXT Seating Series offers a diverse selection of wheelchair back supports and cushions designed to offer our customers the utmost comfort and support. Our seating and positioning products incorporate state-of-the-art fabric and foam technologies, ensuring the highest levels of quality and durability.

smartx^{3D}

OFFERS UNPRECEDENTED COMFORT AND DURABILITY.

Unlike two-dimensional fabrics, smartx3D uses a three-layer technology that includes two separate fabrics joined by a monofilament yarn, creating a breathable channel between the two fabrics. This channel gives smartx3D its 3D structure and creates a “micro-climate” between layers. Heat and vapor move easily through the highly permeable fabric layer. smartx3D naturally offers a four-way stretch that enhances immersion, aiding pressure redistribution. Soft, breathable, and with moisture-wicking properties, smartx3D provides the ultimate in comfort.

- Pill resistant and durable
- Antimicrobial capabilities are built into the fabric and will not wash out
- Improves immersion/envelopment
- Reduces shear
- 4 way stretch with 100% recovery
- 20 times more air permeable than standard fabrics



SMARTGEL AND SMARTX3D: THE PERFECT COMBINATION

The combination of NXT's smartx3D fabric and smartGEL foam provides the ultimate in comfort and support in our NXT Seating products. Our smartGEL foam offers a higher IFD (Indent Force Deflection and Density), yet it is incredibly soft, highly resilient, and long-lasting. smartGEL is a Visco Elastic foam that is infused with gel. The gel is incorporated into the foam mixture at the molecular level, which allows for 100% homogeneous cooling with no breakdown of embedded gel beads.



NXT SIT (Selective Immersion Technology) perforations are anatomically positioned to support the ischial/sacral area to prevent sliding and shear while maintaining pelvic positioning. The perforations are molded at different depths and are conical in shape. This provides immersion and lower pressures to the bony prominence's while supporting surrounding areas that can take a higher load.

TECHNOLOGY & FEATURES

- A** Slotted holes to allow for installation of most aftermarket head supports, headrests, belts and harnesses
- B** Alternate mounting heights, allow hardware to be installed at optional heights to achieve a proper set-up
- C** Mounting hardware has 2" (5.1 cm) of width adjustability increasing the size of a chair that each

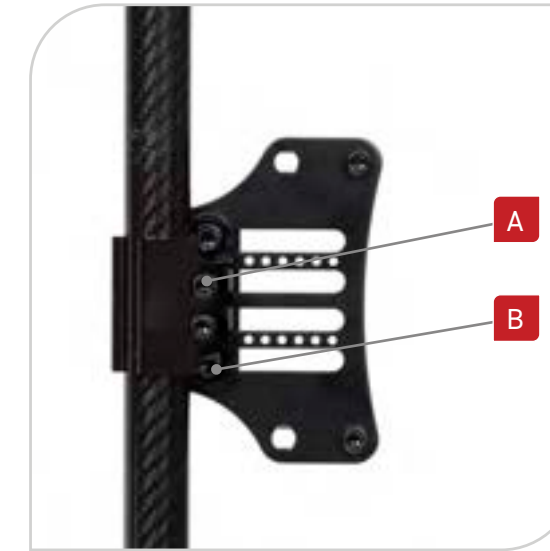
back can be used on [i.e. a 16" (40.6 cm) wide back will fit a 16, 17, or 18" (40.6, 43.2, or 45.7 cm) wide chair]

- D** One-Hand Quick Release allows the back to be removed from the chair with ease
- E** Pelvic cut-out for optimal pelvic positioning and support of the P.S.I.S.



QUICKFIT MOUNTING SYSTEM LETS YOU QUICKLY AND EASILY ADJUST WHILE YOUR CLIENT IS IN THE CHAIR

- A** Lock hardware onto the back cane and control height and rotation
- B** Control depth and angle adjustment



- Easily expandable to allow the back support to fit on wider wheelchairs (up to 2" wider than the back)
- 5" (12.7 cm) of depth adjustment, 2.5" (6.4 cm) in front or behind back canes
- Install or remove clamps without taking them apart
- Fits metric and imperial tubing including 0.75" to 1" (1.9 cm to 2.5 cm) back canes without shims
- Reversible for increased depth range

FEATURES



THE ONE-HAND QUICK RELEASE

Allows the back support to be easily removed from the chair.



PELVIC POSITIONING CUT-OUT

Provides a space for the buttocks to protrude beyond the back for a better, more natural seated position.



LOW PIVOT POINT

This allows you to support the pelvis while adjusting recline and reduces the movement of the pelvis affected by angle adjustment of the hardware.



CUSTOMIZABLE LATERAL CONTOUR

Lateral contours can be bent in or out for better postural control and a customized fit.

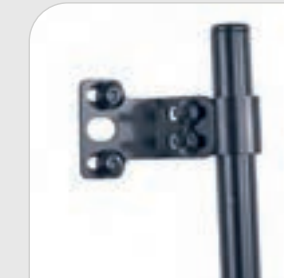


STABILITY, SYMMETRY & SHOULDER FREEDOM

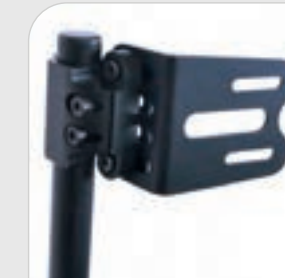
Supports the spinal column within the "Scapula Triangle" which improves shoulder freedom and head control.

BACK SUPPORT HARDWARE OPTIONS

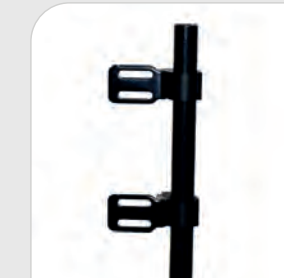
- All backs comes standard with QuickFit Mounting System hardware. Alternative fixed hardware options are available at no charge
- The 2-point micro mount fixed hardware is our lightest weight option with minimal adjustability
- Both the 2-point and 4-point fixed hardware have 1" depth adjustment. The 2-point fixed mount has 25 degrees of posterior & anterior angle adjustment, the 4-point hardware has an average of 15 degrees of posterior & anterior angle adjustment (varies, depending on spacing between the brackets)



2 POINT MICRO MOUNT

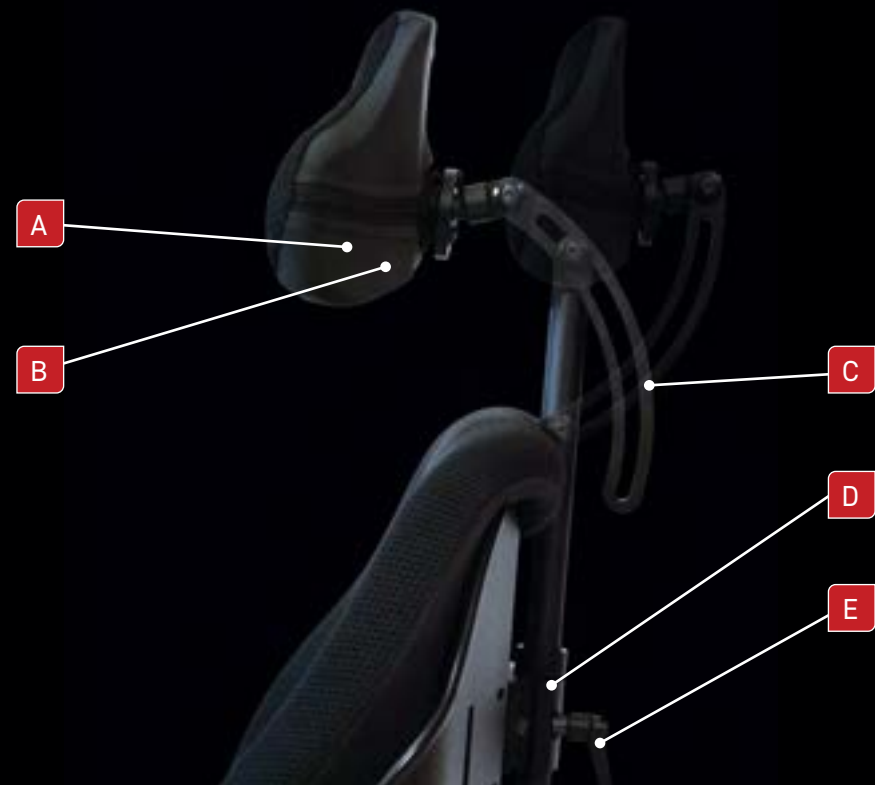


2 POINT MOUNT



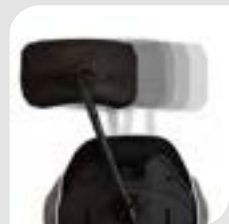
4 POINT MOUNT

MULTIFIT HEAD SUPPORT



FEATURES

- A** Comfortable layered foam pad
- B** Removable washable cover
- C** Curved depth and angle adjustment feature provides a wide range of settings
- D** Vertical post can be set in three different rotation orientations
- E** Latch style clamp for easy height adjustment and removal
- F** Wipe down cover
- G** Additional quick adjustment levers, allowing for the option of easy multiple adjustments without the use of tools



WHAT IS INCLUDED

- Selected fixtures and two additional quick adjustment levers
- Pads – layered foam pad, removable/washable cover, and wipe down cover

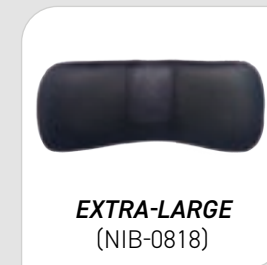
HARDWARE AND ACCESSORIES

HEAD SUPPORT HARDWARE AND ACCESSORIES

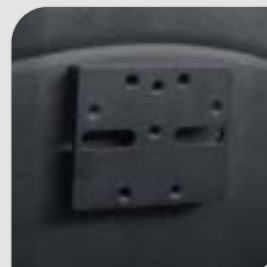
NIB-0747	Multi-axis hardware, adjustable and removable, incl. 2 additional levers for quick-release adjustment
NIB-0823	Head support receiver bracket - Mounts head supports assy. to seating system
NIB-1200	Universal head support adapter bracket (fits all NXT backs except 9" (22.9 cm) heights)
NIB-1306	Flip-back, multi-axis hardware, adjustable and removable, incl. 2 additional levers for quick-release adjustment
NIB-1210	Head support flip back kit. Can be attached to NIB-0747 to flip back the head support pad
NIB-0725	Head support replacement quick-release lever, each
NIB-0824	Head support replacement collar, each

HEAD SUPPORT PAD SELECTION

NIB-0785	Small contoured head support pad, 9" x 5" (22.9 x 12.7 cm)
NIB-0784	Large rectangular head support pad, 10" x 5" (25.4 x 12.7 cm)
NIB-0818	Extra-large rectangular head support pad, 14" x 5" (35.6 x 12.7 cm)



**HEAD SUPPORT
RECEIVER BRACKET**
(NIB-0823)



**UNIVERSAL HEAD
SUPPORT ADAPTER**
(NIB-1200)

NXT LATERAL TRUNK/PELVIC SUPPORTS

CHOOSING LATERAL SUPPORTS:

A wide range of thoracic trunk supports are available for back supports. These include fixed and swing away options and arm styles with single or dual pads in multiple sizes. Pads are adjustable in angle, length and position. All supports are available with optional neoprene covers.

3 TYPES OF HARDWARE

- 1. **FIXED** – Lateral remains fixed in place for users that require permanent support.
- 2. **SWING AWAY** – Lateral can be adjusted around the hinge to set proper contact point with client, in addition “swings away” on a pivot point to allow for easier transfers, or a break from support.
- 3. **SWING AWAY EXTENDABLE** (available with standard laterals only) – Lateral has significantly more adjustability to ensure proper lateral or anterior lateral contact with the client, in addition “swings away” on a pivot point to allow for easier transfer, or a break from support.

5 TYPES OF PADS

- 1. **SMALL** – When minimal surface area of support is required - pad is approximately 3.5" deep x 3.25" high (8.9 x 8.3 cm).
- 2. **SMALL DUAL ADJUSTABLE** (for use on the Swing Away Extendable hardware only) – Angle between pads can be adjusted to fit the contour and provide customized contact with the client - each pad is approximately 3.5" deep x 3.25" high (8.9 x 8.3 cm).
- 3. **LARGE** – When more surface area of support is required - pad is approximately 4" deep x 3. 5" high (10.2 x 8.9 cm).
- 4. **CONTOUR** – When the client needs subtle lateral support added to a mild contoured back (offered in two depths, single pad or double pad) - each pad is approximately 2" deep x 5.5" high (5.1 x14.0 cm).
- 5. **XL** (Armadillo only) – Maximum depth to ensure support clears the back substrate while providing increase surface area for contact with client - pad is approximately 6.5" deep x 7.5" high (16.5 x 19.1 cm).

CHOOSING LATERAL SUPPORTS

STANDARD LATERAL SUPPORT BACK

HARDWARE TYPE		
Fixed	Swing away	Swing away Extendable
 A SMALL	 C SMALL	 E LARGE
 B LARGE	 D LARGE	 F DUAL SMALL

ARMADILLO LATERAL SUPPORT BACK

HARDWARE TYPE	
Fixed	Swing away
 G SMALL	 J LARGE
 H DUAL CONTOURED	
 I X-LARGE	

STANDARD LATERAL SUPPORTS

					
A Short Fixed Arm with Small Pad NLAFS-NLPHS	B Short Fixed Arm with Large Pad NLAFS-NLPHL	C Short Swing-Away Arm with Small Pad NLASS-NLPSS	D Short Swing-Away Arm with Large Pad NLASS-NLPSL	E Extendable Swing-Away Arm with Large Pads NLASA-NLPSL	F Extendable Swing-Away Arm with Dual Small Pads NLASA-NLPTSS

ARMADILLO LATERAL SUPPORTS

			
G Fixed Arm with Small Pad NMAPS-LPS	H Fixed Arm with Dual Contoured Pad NMAPS-LCS	I Fixed Arm with X-Large Pad NMAPS-DLTSF	J Swing-Away Arm with X-Large Pad NMAPS-DLTSS

Shaped to support your every move

LEARN MORE: For more information on NXT
Seating and Positioning Products, please visit
our websites.

motioncomposites.com
dynamichcs.com



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