



CUSHIONS

USER MANUAL



**IMPORTANT:**

If you have any questions about safety, adjustments, accessories, use, or maintenance, please contact your authorized NXT distributor or dealer.

**INFORMATION:**

**Dealer:** This manual must be given to the user of the product before its first use.

**User:** Prior to using the product, carefully read this manual and keep it for future reference.

**For more information about this product, its parts accessories and the services provided, please visit: [motioncomposites.com](http://motioncomposites.com)**

**NOTE:**

The information contained in this document may be changed without prior notice. The most recent documents, updates, and the latest version of this user manual are available on the website: [motioncomposites.com](http://motioncomposites.com).

**Please record the following for future reference:**

Date of purchase:

Serial Number:

Supplier:

Address:

Telephone:



**CONTACT INFORMATION:**

**Manufacturer**

Motion Composites

160, Armand Majeau Sud

Saint-Roch-de-l'Achigan, Québec

J0K 3H0 Canada

Telephone: 1 866 650-6555

Fax: 1 888 966-6555

[info@motioncomposites.com](mailto:info@motioncomposites.com)

[motioncomposites.com](http://motioncomposites.com)



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## INTRODUCTION

NXT Seat Cushions are offered in two different models, BioFit and NüFit. Both have been designed for comfort, pressure redistribution and easy maintenance. The pre-schial support provides pelvic support and prevents forward sliding. The moderate abductor/adductor contour ensures mid-line positioning of the femurs. The posterior contour facilitates sacral support in addition to matching the shape of modular back supports. The beveled front edge accommodates users who require a more closed front frame angle, those with tight hamstrings and helps eliminate pressure on the popliteal fossa during foot propulsion.

## INTENDED USE

The NXT Seat Cushions are intended to provide support, comfort and pressure distribution for wheelchair users.

## SYMBOLS AND LABELS IDENTIFICATION

### LABEL 1

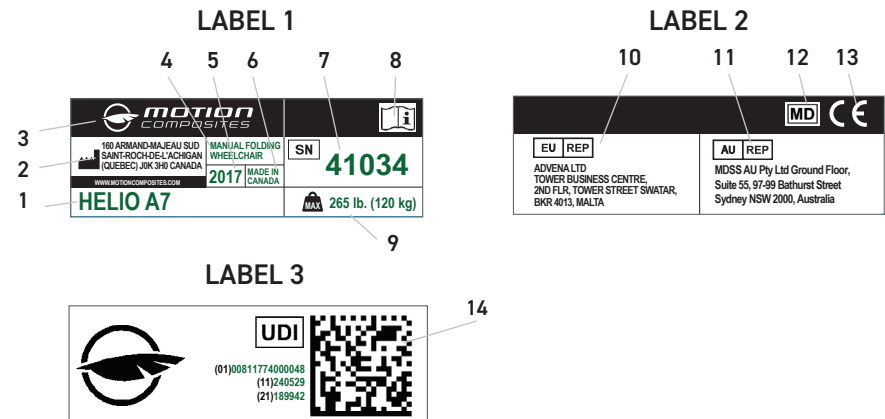
1. Product name
2. Manufacturer address
3. Manufacturer logo & name
4. Product category
5. Year of manufacturing
6. Country of origin
7. Serial number
8. Read the manual before use symbol
9. Weight capacity limit

### LABEL 2

10. Identification of the authorized representative in the European Community
11. Identification of the authorized representative in the Australian Community
12. Medical device symbol
13. Conformity with EU requirements symbol

### LABEL 3

14. UDI (Unique Device Identifier)



This symbol is used throughout this manual. Please familiarise yourself with its meaning.

## **⚠ WARNING**

Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction.

## **SAFETY INSTRUCTIONS**

### **1. SHIPPING DAMAGE**

Check all parts for shipping damage (e.g. fabric tears, water damage, broken components, etc.). If anything is damaged, do not use the product. Contact the carrier or dealer for further instructions.

### **2. USER MANUAL**

Do not use this product or any other equipment included without first completely reading these instructions. If you do not understand the instructions, contact a healthcare professional, dealer or technical personnel before attempting to use the equipment - otherwise, injury or damage may occur.

### **3. ACCESSORIES WARNING**

NXT Seating products are specifically designed and manufactured for use in conjunction with NXT Accessories. Accessories designed by other manufacturers have not been tested by the manufacturer and are not recommended for use with this product.

### **4. INSTALLATION WARNING**

Following any adjustments, customization, repair or service, make sure that all attached components are secure before use. Ensure the seat cushion is properly secured to the wheelchair before use. Otherwise, injury or damage may occur.

### **5. FIRST SET-UP**

The first set-up of the seat cushion onto the wheelchair shall be performed by a qualified person to ensure proper installation and safe use.

### **6. CENTER OF GRAVITY**

Installing a seat cushion on a wheelchair may affect its center of gravity and could cause the wheelchair to become unstable, potentially resulting in injury. Always assess whether anti-tippers or other stability aids are needed to ensure the wheelchair remains safe during use.

### **7. SKIN**

Skin condition should be checked regularly after the installation of any new seating system. If any redness or reaction associated with the use of the cushion persists for more than 30 minutes, stop using it and contact your therapist or doctor immediately.

## **8. PRODUCT'S CHOICE**

It is recommended that a clinician experienced in seating and positioning be consulted to determine if the cushion is appropriate. Your therapist and physician should be consulted if you have any questions regarding individual limitations and needs. Working with your therapist, physician, and equipment supplier is the best way to ensure that a seating choice matches your individual needs.

## **9. ENVIRONMENT**

Avoid touching extremely hot or cold surfaces, as this may cause skin injury. If the seat cushion has been exposed to extreme low or high temperatures, allow it to reach room temperature before use. To prevent damage or the risk of injury, keep the product away from sharp objects, excessive heat, and open flames. It is important to keep the cushion dry to reduce the risk of corrosion, mold, or material degradation. If the product becomes damp or wet, wipe it thoroughly with a dry cloth and allow it to dry completely as soon as possible.

## **10. USAGE**

If you are unable to achieve sufficient skin protection, postural control, and/or are unable to tolerate sitting on the seat cushion for any reason consult your dealer or healthcare professional about alternative options.

## **11. CORRECTIVE MAINTENANCE**

DO NOT continue using this product if you experience issues affecting performance, comfort or safety. Corrective maintenance can be performed by or arranged through your equipment supplier.

## **12. MODIFICATIONS**

Unauthorized modifications are prohibited for safety and functionality of the device. All modifications shall be completed by a certified and approved professional.

## **13. MISUSE**

These seat cushions are designed solely for use during normal wheelchair activities. Any use other than the one described in this user manual is prohibited.

## **14. COVER**

Never use the seat cushion without its outer cover (and the incontinence cover, if needed). The cover helps protect both the user and the product. Using it without the cover may increase the risk of skin damage, reduce the product durability, and make it more susceptible to flammability.

## **15. USE**

Do not use the cushion in direct contact with open wounds or advanced-stage pressure injuries without the advice of a healthcare professional. The cushion must not be used by individuals with a known allergy to any of the materials in the device.

## 16. TRANSPORT

The user should always transfer to the motor vehicle seat and use the vehicle's installed restraint system during transport. The use of NXT cushion on any wheelchair in a moving vehicle is not recommended, as it could result in injury.

## WEIGHT CAPACITY

The maximum user weight limits for the NXT Seat Cushions are as follows:

### • BioFit:

- Sizes 10 in to 20 in (25.4 cm to 50.5 cm) – 300 lbs (136 kg)
- Sizes 22 in to 26 in (55.9 cm to 66.0 cm) – 400 lbs (181kg)

### • NuFit:

- All sizes – 300 lbs (136 kg)

## ⚠ WARNING

Never exceed the maximum weight capacity of the device. Exceeding the maximum weight capacity may cause device failure and result in serious injury. The weight capacity includes the user's body weight and any additional load. When using the cushion together with the wheelchair, always follow the lower applicable weight limit.

## COMPATIBILITY

The NXT Seat Cushions can be installed on any seat sling or solid seat pan that has compatible Velcro.

They can be used on any self-propelled, attendant-propelled, tilt-in-space or power wheelchairs.

## ⚠ WARNING

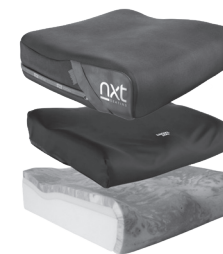
Before using the seat cushion, always verify the position and type of hook-and-loop fasteners (Velcro) on your wheelchair to check its compatibility. Make sure that the correct side (hook or loop) is present in the appropriate location to allow for secure attachment and proper positioning of the seat cushion. If the seat cushion and its attachments are not compatible with the wheelchair frame, it may lead to poor fit and increase risk of injury.



## CUSHION COMPONENTS

### All cushions contain the following:

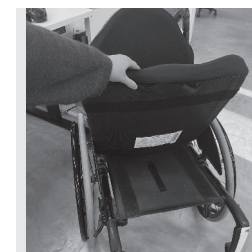
1. Outer cover (Smartx3D or Incontinent/ Infection Control)
2. Inner cover
3. Foam cushion



## ASSEMBLY INSTRUCTIONS

### Installation onto a wheelchair

1. Position the seat cushion so the material identification tags face the rear.
2. Align the hook-and-loop (Velcro) strips on the bottom of the seat cushion with those on the wheelchair seat sling.
3. Position the seat cushion onto the wheelchair as far back as possible against the back support.
4. Press down firmly to ensure the hook-and-loop strips are firmly engaged and the seat cushion is securely attached.
5. Once the user is transferred into the wheelchair, ensure they are seated as far back as possible and positioned within the contoured areas of the cushion to allow bony prominences to be properly immersed in the pressure-relief well.
6. Adjust the footrest height so the thighs rest comfortably on the front edge of the cushion. Proper footrest adjustment is essential for optimal seat cushion performance and pressure relief.



### Initial Use Schedule

To ensure safe use of the seat cushion, begin by sitting for short periods of time. After each use, check all areas of skin that were in contact with the seat cushion. Any redness should dissipate within 10 to 30 minutes. If redness persists for longer than 30 minutes, stop using the seat cushion and contact your doctor or therapist.

If no redness is observed, you may gradually increase your sitting time by 30 to 60 minutes each day. Be sure to check your skin every time the longer you sit in your seat cushion. In general, the recommended maximum sitting time is 2 to 4 hours at one time.

Even after your skin becomes used to longer sitting periods, skin checks should still be performed at least once daily. Always follow the pressure relieving techniques recommended by your healthcare professional.

### Ongoing Follow-up Advised

Is it recommended to have your seated posture and skin integrity checked by your healthcare professional at least annually, or whenever you experience a change in your weight, posture, or general condition that could impact your ability to sit safely, comfortably and functionally.

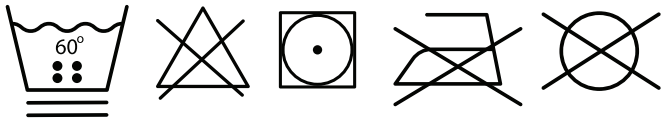
## CLEANING & CARE INSTRUCTIONS

### Maintenance schedule

The seat cushion (foam and covers) should be inspected monthly for any functional and visual defect or material degradation.

The covers should be washed monthly or as needed, following the cleaning instructions below.

### Cleaning



Symbols	Definition
	Machine wash warm, gentle cycle (maximum washing temperature of 60 °C / 140 °F)
	Do not bleach
	Tumble dry, low heat (maximum temperature of 60 °C / 140 °F)
	Do not iron
	Do not dry clean

### Smartx3D Cover

- Remove the cover from the foam base.
- Close the zipper.
- Machine wash in warm water (60 °C / 140 °F) with regular detergent on a gentle cycle.
- Air dry or tumble dry on low heat.
- Do not iron. Do not dry clean. Do not bleach.

### Incontinence/Infection Control Cover

- Wipe clean with a damp cloth.

For laundering:

- Remove the cover from the foam base.
- Close the zipper.
- Machine wash in warm water (60 °C / 140 °F) with regular detergent on a gentle cycle.
- Air dry or tumble dry on low heat.
- Do not iron. Do not dry clean. Do not bleach.

### Foam

Keep the foam dry at all times. If the cushion gets wet, allow the foam to air dry completely before putting the covers back on. Do not use a machine dryer or apply direct heat.

Regularly check the appearance and smell of the foam to make sure it is still in good condition (color, thickness, consistency).

### Replacement Parts

Consult our website to download the parts manual and view ordering information.

### Please contact us at:

MOTION COMPOSITES  
160 Armand Majeau, sud, St-Roch-de-l'Achigan  
Québec, Canada J0K 3H0

Telephone: 1 866 650-6555

Fax: 1 888 966-6555

info@motioncomposites.com

motioncomposites.com

### END OF LIFE (DISPOSAL, RECYCLING)

To ensure environmentally responsible disposal, please consider donating it to a local charity or recycling center. If the cushion is damaged or unusable, check with local waste management services for proper disposal guidelines.

## WARRANTY

### Limited Warranty – Seat Cushion

This warranty is limited to the first user and is not transferable and provides specific legal rights, which may vary by jurisdiction.

### Warranty Coverage

The NXT® Seating Cushion is warranted to be free from defects in materials and workmanship under normal use for a period of twenty-four (24) months from the date of delivery to the original purchaser.

It has a warranty that provides for repair or full replacement if manufacturing defects are identified or the surface does not remain intact due to normal wear within 18 months.

Notwithstanding the exclusions below, this warranty provides for repair or full replacement if:

- A manufacturing defect is identified, or
- The surface of the cushion does not remain intact due to normal wear within the first eighteen (18) months from the date of delivery.

### Exclusions

This warranty does not cover:

- Normal cosmetic wear and tear
- Damage caused by misuse, abuse, neglect, accident, or improper installation
- Failure to follow care and maintenance instructions
- Unauthorized modification, alteration, or adaptation
- Use with non-approved components or outside the intended clinical use

Cover-specific exclusions include:

- Cigarette burns
- Tears caused by sharp objects
- Damage resulting from improper washing or care

### Warranty Remedy

If a defect covered by this warranty is confirmed within the warranty period, the manufacturer will, at its discretion, **repair or replace** the defective component using new or refurbished parts.

Labor, installation, and shipping costs are not covered under this warranty. Repairs or replacements do not extend the original warranty period.

### Warranty Claims

All warranty claims must be initiated through the **authorized dealer** from whom the product was purchased. Proof of purchase may be required prior to processing.

## DECLARATION OF CONFORMITY

### Manufacturer

MOTION COMPOSITES  
160 Armand Majeau, sud, St-Roch-de-l'Achigan  
Québec, Canada J0K 3H0

Telephone: 1 866 650-6555

Fax: 1 888 966-6555

info@motioncomposites.com

motioncomposites.com

### European Authorized Representative

ADVENA LTD.

Tower Business Centre, 2<sup>nd</sup> Flr.  
Tower Street, Swatar, BKR 4013, Malta

We hereby declare that the below mentioned devices have been classified according to the classification rules and conform to the Essential Principles of Safety and Performance as laid out in the Health Products (Medical Devices) Regulation (EU) 2017/745.

### Medical devices

NXT Back Supports and mounting hardwarehardware.

### Manufacturing site

Motion Composites Inc.  
160, Armand-Majeau Sud, Saint-Roch-de-l'Achigan  
Quebec, Canada J0K 3H0

### Risk classification

Class I Medical Device: Regulation: (EU) 2017/745.

### Standards applied

This device has been designed and manufactured in accordance with the requirements of Regulation (EU) 2017/745 on medical devices and the following harmonized standards:

- California Technical Bulletin 117
- ISO 10993-1 Biological evaluation of medical devices - Part 1.
- ISO 15223-1 Symbols for medical device labels, labeling and information to be supplied
- ISO 14971: Application of risk management to medical devices
- ISO 16840: Wheelchair seating



**Note to users:**

INCIDENT REPORTING: Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.



NXT SEATING is a brand of



Motion Composites  
160, Armand Majeau Sud  
Saint-Roch-de-l'Achigan, Québec  
J0K 3H0 Canada

Telephone: 1 866 650-6555  
Fax: 1 888 966-6555  
[info@motioncomposites.com](mailto:info@motioncomposites.com)  
[motioncomposites.com](http://motioncomposites.com)



Advena Limited | Tower Business Centre, 2<sup>nd</sup> Flr., Tower Street Swatar, BKR 4013 Malta