



NOOK™

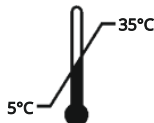
POSITIONING CHAIR



USER MANUAL

Our passion - your independence!

AKCES[®]MED



CAUTION! Manufacturer takes responsibility for proper usage of the device only when the product was purchased from qualified Akces-Med employee or at specialized medical store!

CAUTION! AKCES-MED Ltd. reserve the right to introduce technical and trading changes in the content of the instruction without warning.

**MEDICAL
DEVICE
CLASS 1**



**WYRÓB
MEDYCZNY
KLASA 1**

Medical product first class according to the Regulation 93/42/EEG of European Parliament and Council regarding medical products. For this product the producer issued relevant declaration of conformity.



Akces-Med. Sp. z o.o. Company introduced quality management system ISO 13485 regarding production, sales and service. The system is certified by Det Norske Veritas.



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INTRODUCTION

It is a corner rehabilitation chair which helps children and young people to adopt the correct sitting position with upright legs. It is worth saying that this position enforces the correct alignment of hips. It is recommended as the first therapeutic chair.

Ergonomic pelottes and abduction block with pelvic belt not only make the patient feel secure but also control the correct posture. Additionally, a vast array of adjustment is beneficial due to the fact that children grow fast.

There are 2 sizes and therefore it is perfect for children as well as young people who are from 6 months to 12 years. This device is both light and small thanks to which you can easily move the chair into different places.

Please read this instruction carefully. You will find information concerning our product and you will find out how to use this device safely as well as effectively.

If you have any questions or remarks, do not hesitate to contact with us:

Medical consultant: mobile +48 508 382 509

Akces-MED Sp. z o.o.: ph. +48 17 864 04 77

e-mail: export@akces-med.com

Thank you for purchasing our product!



CAUTION! Before using the product, user is obliged to familiarize himself/herself with user manual. Remember that complying with guidelines is highly important. It assures safety and extends durability as well as aesthetics of the





1 THE PURPOSE OF USER MANUAL

The present user manual contains basic information which is essential for proper usage, preparation, maintenance, cleaning and guarantee conditions **NOOK™** static standing frame.

User manual should be kept in easily accessible place. It is designed for people who look after the disabled, and for both doctors as well as physiotherapists who operate the device.



CAUTION! Before using the product, user is obliged to familiarize himself/herself with user manual.

Remember that complying with guidelines is highly important. It assures safety and extends durability as well as aesthetics of the device.

2 INDICATIONS FOR USE

The device is recommended for people in the following cases:

- Cerebral palsy – various types and forms.
- Brain and spinal cord injuries with lower limbs paralysis and weakness, balance and motor coordination disorders with different etiology.
- Demyelinating disease (e.g. multiple sclerosis - SM).
- Meningocele.
- Muscles diseases with weakness and paralysis (dystrophy, myasthenia gravis, myositis).
- Genetic disorders.
- Degeneration and neurological diseases.
- Other condition connected with muscles weakness, paralysis and musculoskeletal disorders.
- After head and spinal cord injuries and spine trauma with paralysis and paresis.

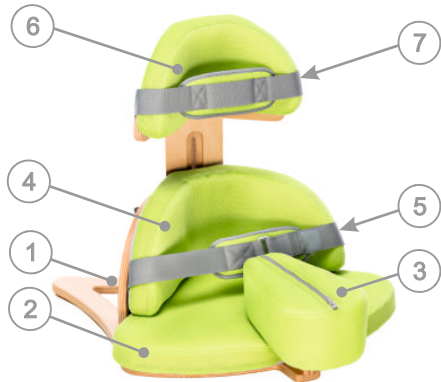




3 GENERAL CHARACTERISTICS OF CHAIR

3.1. Standard equipment

- 1. Base
- 2. Sit
- 3. Removable abductor
- 4. Pelvic support
- 5. Pelvic belt
- 6. Chest support
- 7. Chest belt

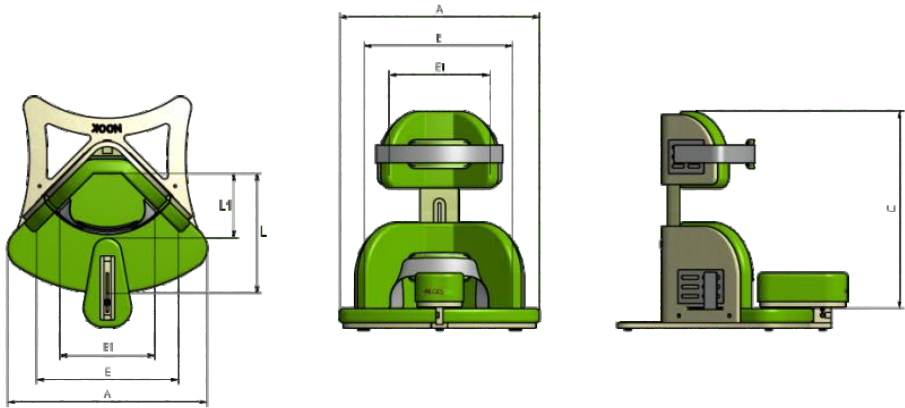


3.2 Additional equipment

 <p>NKK_003</p>	 <p>NKK_102</p>	 <p>NKK_104</p>
 <p>NKK_123</p>	 <p>NKK_340</p>	 <p>NKK_403</p>
 <p>NKK_410</p>	 <p>NKK_423</p>	



4 SIZE TABLE



SIZE TABLE

Symbol	Measurement	Unit	Size 2***	Universal size
w	Indicative user height*	[cm]	< 160	< 160
A	Seat width	[cm]	56	56
L	Seat depth	[cm]	32	29 - 33,5
C	Backrest height	[cm]	47 - 58	35 - 46
E	Pelvic supports width	[cm]	30	44
E1	Chest supports width	[cm]	30	29
L1	Seat depth to the abduction block	[cm]	14 - 24	13,5 - 18
	Maximum user weight	[kg]	35	35

Note: Measurement tolerance range is +/- 1 cm / ½ in.

*The value cannot be main factor for selection of product size.

*** Size 2 - Available while stocks last

PRODUCT DIMENSIONS AND WEIGHT

	Unit	Size 2	Universal size
Width	[cm]	56	56
Length	[cm]	62	62
Height**	[cm]	52	52
Weight	[cm]	8	8

Note: Measurement tolerance range is +/- 1 cm / ½ in.

Note: Approximate values, depending on the product configuration.

**In case of mounted wheels dimension increases by 8 cm.





5 DESCRIPTION HOW TO USE CHAIR

Before the use of the device you have to adjust it to the size of the user. Therefore, you should take measurement of the patient. It is really necessary to adjust the device in a way which is described in the further part of this chapter.



CAUTION! Adjustment of the chair must be done only by qualified staff!

Regarding the configuration of the device, it should be done with the aid of the Allen key which is situated inside of removable abductor. When you will undo the zipper (fig. 1), you will have an access to it.



fig. 1



fig. 2

5.1 The adjustment of chest support

In order to adjust support it is necessary to:

- Loosen knob with the aid of Allen key (fig.3),
- Adjust the height according to the measurement of the patient (fig.4),
- After obtaining the appropriate distance, screw the knob .



fig. 3



fig. 4





5.2 The adjustment of removable abductor

When you adjust distance it is necessary to:

- Loosen knob with the aid of Allen key (fig.5),
- Adjust the desired position (fig.6),
- After obtaining the appropriate distance, screw the knob.



5.3 The adjustment of pelvic belt

When you adjust the belt it is necessary to:

- Detach Velcro in the belt,
- Adjust the length of the belt to the patient,
- After obtaining the appropriate length of the belt you should fasten the belt by means of Velcro (fig.7).

It is important to check if:

- The belt doesn't press the child,
- The belt doesn't unfasten because of pressure.





5.4 The adjustment of chest belt

In order to adjust the belt it is necessary to:

- Detach Velcro from this belt,
- Adjust length of the belt to the patient,
- After adjusting the appropriate length, it is important to fasten the belt with the aid of Velcro.,

You should check if:

- The belt does not press child,
- The belt does not unfasten because of pressure.





6 ADDITIONAL EQUIPMENT

6.1 **REF** NKK_403 Tray

Tray has to be mounted after placing the child in the chair. You have to insert the tray under the removable abductor until safety pin will slam (fig.10). In order to dismantle the tray it is necessary to pull away and hold the safety pin, after which you have to take out the tray. Regarding the alignment of the tray (height, depth, tilt angle), it is important to do it with the aid of Allen key by loosening as well as screwing the suitable bolts.



Regarding the alignment of the tray - depth (fig.11, 12), height (fig.13, 14) it is important to do it with the aid of Allen key by loosening as well as screwing the





6.2 REF NKK_104 Headrest

Firstly, it is necessary to dismantle pillow of the pelvis pelotte. You should insert headrest into slot (fig.15), screw it by means of bolt (fig.16) and mount the pillow on Velcro.



Regarding the alignment of the head rest (height, depth, tilt angle), it is important to do it with the aid of Allen key by loosening as well as screwing the suitable bolts.





6.3 **REF** NKK_102 Head supporting belt

In order to mount the head supporting belt, you should:

- Fasten it to the side parts of the head rest with the aid of Velcro
- Adjust the length of the belts to the patient
- Pull it so as to check the correctness of assembly.



6.4 **REF** NKK_003 Soft cover for tray

Please follow these steps so as to mount soft cover for tray:

- Adhere 5 adhesive Velcro tapes (fig.19);
- Put soft cover in a way that its edges cover tray edges (fig.20).



6.5 **REF** NKK_410 Headrest cotton cover

Cover is made of cotton and it should be put on headrest. Regarding material, it has some bands thanks to which material does not slip down.





7 THE USE OF CHAIR



CAUTION! NOOK™ has to be used with compliance to guidelines included in this user manual. Remember to use the product only with someone who is trained and knowledgeable. Do not forget to prepare both product as well as patient before using **NOOK™**!

7.1. Preparation of the patient

Before using the product, it is essential to make sure that:

- patient's outfit is light and comfortable sporty clothes are advisable;
- shoes should be comfortable and, moreover, they should stabilize ankle;
- due to hygienic reason and to avoid abrasion it is advisable for the patient to always wear clothes when using the device, skin must not be naked especially in places of regular contact with upholstery;
- drains, bags, catheters etc. if applied, have to be secured to function properly and not to disturb during using the product;
- if it is necessary for a patient to wear orthopedic supply (collar, corset, orthosis, shoes) if it is recommended by doctor.



CAUTION! Outfit should protect patient's skin from direct contact with upholstery as well as other parts of equipment.

CAUTION! Only doctor can make a decision concerning using any kind of orthopedic supply!





7.2. How to use chair

1. Before use it is necessary to:
 - Unfold the device;
 - Place the device on even ground;
 - Make sure that all parts are serviceable, correctly mounted and stable;
 - Block brakes (only in chair with castors);
 - Adjust the device to patient's measurements;
 - Undo vest, trunk belts etc so as to place easily the patient in the device;
 - Place patient in the device;
 - Fasten all elements which stabilize patient e.g. vest, trunk belts, feet stabilizing belts etc.;
 - Mount additional equipment e.g. tray.
2. In case of patients who have problem with bladder, it is necessary to put special cloth on seat. This cloth can be purchased in pharmacy or medical shops.



CAUTION! Remember to make sure that all belts and locking are correctly adjusted and fastened. Check also if fastenings from adjustable elements are firmly tightened.

Equipment works correctly only when the device is adjusted according to patient's height as well as weight. Remember to take all these measurements into account while purchasing the product. Correct adjustment is the most important due to the fact that only then the product is safe. It is forbidden to force child to keep specific position because he/she will feel uncomfortable and it may lead to wrong posture.





7.3. Sitting position

Clinical research shows that it is really beneficial for children to adopt sitting position so as to stimulate psychomotor development. Moreover, adopting sitting as well as standing position is advantageous for disabled due to the fact that it has a positive influence on organs and systems. Furthermore, it often acts as the stage of upright position and learning to walk:

- the most significant cause of using chair is the stimulation of psychomotor system;
- it has an influence on patient's state of mind;
- it has an influence on the development of muscles, joints and musculoskeletal system;
- it prevents from contractures or makes it easier to cure them; it improves joint mobility;
- it prevents from muscle atrophy (especially postural); it makes it easier to take exercises for upper limbs while sitting position
- it improves cardiovascular system;
- it improves lung ventilation and prevents from pneumonia; it improves intestinal peristalsis;
- it prevents from urinary problems or makes it easier to cure it;
- it prevents from bedsores or makes it easier to cure them;
- passive sitting is usually only the stage of rehabilitation process

Taking the sitting position for the first time by the little patient usually happens in the rehabilitation, neurology, neurosurgery or orthopaedic ward. Upright standing is supervised by the doctor and physiotherapist due to the possibility of occurrence such medical problems like: loss of consciousness, drop of blood pressure etc. It is very important to adjust all parts of the device to the condition of the child, taking into consideration contractures and deformations.

Taking the sitting position at home is supervised by qualified staff (physiotherapists, nurse, trained members of the family).





CAUTION! Incorrect adjustment of the device can lead to side effects such as: fainting, body deformities, overloading joints. It is highly advisable to adjust the device before every use of a standing frame. This adjustment has to be done only by a trained person or therapist. If any of these side effects appear, it is highly important to stop the upright position process, take out the patient from the device and lie him/her down. If these undesirable side-effects still occur it is necessary to contact doctor. If these side effects disappeared, remember to inform doctor so as to make decision concerning further upright position process.

CAUTION! Only doctor can make decision concerning the use of rehabilitation chair!





8 SAFETY RULES



CAUTION! NOOK™ chair has to be used in compliance with guidelines in this user manual.

It is highly important to consult either doctor or physiotherapist in order to make right decision concerning the choice of chair and its size. It is also essential to familiarize with the guidelines described in user manual before using the device.

1. Before use it is necessary to:

- make sure that there are no damages or different faults which could endanger patient's life; check if all parts are working and are correctly mounted and, moreover, check if they are not broken;
- check if all screws, knobs and all glued, sewed or tapped parts are tightened;
- check if brakes are operating correctly;
- check if buckles are operating correctly;
- always use safety belts, Velcro tapes should overlap min. 8cm;
- adjust the device according to patient's measurements and needs e.g. the adjustment of pelottes, footplate etc.;
- make sure that all movable parts and knobs for adjustments are stable and locked;
- secure patient with the aid of elements such as vest, foot stabilizing belts, pelottes, abduction block, headrest. It is highly important to secure patient because it safeguards him/her from falling out. If abduction contracture occurs, it is recommended to use abduction block in order to prevent ulcers between knees;





2. It is forbidden to use chair for different purposes that it is intended to.
3. It is forbidden to use chair when it is damaged or any part is missing.
4. It is forbidden to leave the patient unattended.
5. Chair should be used only when there is someone who is trained and knowledgeable.
6. It is forbidden to leave chair and the patient on unstable ground unattended, even if the brake is engaged.
7. It is forbidden to either go up or down the stairs; it doesn't matter if the patient is placed in the device or not.
8. It's important to make sure that patient doesn't stand on footer during either getting into or getting out the chair.
9. It is important to engage brake during getting into and getting out the chair.
10. Make sure that all limbs are not close to spokes or other adjustable elements.
11. Although the device and the upholstery are made of fire-resistant materials, please pay your attention when approaching to sources of fire or sources of high temperature during using the device. Moreover, chair shouldn't be stored in rooms with high humidity.
12. Secure chair during transportation in order to avoid any possible damages. Manufacturer doesn't take responsibility for damages which appeared due to improper preparation of the device during transportation.



CAUTION! Taking the sitting position for the first time by the little patient usually happens in the rehabilitation, neurology, neurosurgery or orthopaedic ward. Upright standing is supervised by the doctor and physiotherapist due to the possibility of occurrence such medical problems like: loss of consciousness, drop of blood pressure etc. It is very important to adjust all parts of the device to the condition of the child, taking into consideration contractures and deformations.



CAUTION! The product contains small parts which children may swallow.

CAUTION! It is forbidden to make any changes concerning stroller 's structure due to the fact that it is dangerous and it results in losing warranty.

CAUTION! The weight of user should not be bigger than maximal weight described on page 7 where you will find information regarding this issue.

CAUTION! This device can be only used inside the buildings.

- 1) AKCES-MED Sp. z. o. o sells products free from manufacturing defects or faults.
- 2) Manufacturer gives the purchaser 24-month guarantee from the date of purchase. All defects revealed during warranty period will be repaired free of charge.
- 3) All defects which appear after warranty period can be repaired only when the user will pay for it. This rule doesn't apply to refunded products - user can ask National Health Refund for refund.
- 4) Manufacturer claims that the product can be used for 36 months. User can use this product after this period only when he/she will send the device to manufacturer so as to service it. Next, manufacturer determines again how long the product can be used and, moreover, the date of the next service will be determined.
- 5) If product is damaged, please contact our dealer or AKCES-MED customer service (ph. 17/864 04 70)





9 MAINTENANCE AND CLEANING

Chair should be kept clean and used in compliance with the manufacturer's recommendations. The device should be kept in clean, dry and ventilated room. Maintenance as well as cleaning have to be performed at least once a month. Regular cleaning and maintenance of chair are indispensable to maintain its correct functionality as well as safety.

It is highly advisable to remember about proper maintenance in order to extend product's aesthetics. So as to do that, it is essential to comply with these guidelines:

1. It is recommended to clean upholstery with the aid of cleaning product, soft sponge and warm water. If you use sponge which is too wet, stain may get bigger, upholstery may be destroyed. It is necessary to remember that the excess of dampness should be removed from fabric before next cleaning. Please rinse upholstery with warm water and clean white cloth once stain is removed.
2. It is forbidden to soak upholstery!
3. It is forbidden to clean upholstery with the aid of hard brushes.
4. It is forbidden to clean upholstery with strong chemical agents such as solvent or caustic chemicals.



CAUTION! Akces-MED Sp z o. o takes no responsibility for damages caused by use of wrong clearing agent.

5. It is forbidden to soak upholstery during cleaning. Remember that upholstery has to be always dry before using.
6. It is forbidden to clean, make any changes and maintain stroller during using it.
7. All metal as well as plastic elements should be cleaned by hand with the aid of general cleaning products. Remember to familiarize yourself with cleaning





CAUTION! Remember that upholstery has to be always dry before using!

Before using it is necessary to:

- clean wheels;
- check if base as well as wheels are correctly mounted; check if brake stops turning wheel;
- make sure that all wooden parts e.g. tray don't have splinters;
- check if stroller construction is free of breaks or any kinds of deformities;
- check if all movable parts are working and all screws, nuts, knobs etc. are correctly tightened;
- check if belts, vests, trunk belts, feet stabilizing belts etc are not frayed; check if buckles and clamps work correctly.



CAUTION! Manufacturer takes responsibility only for hidden faults or damages which appeared despite the fact that user complied with the guidelines.

CAUTION! In case of any damages, it is essential to contact the person who sold you the product.



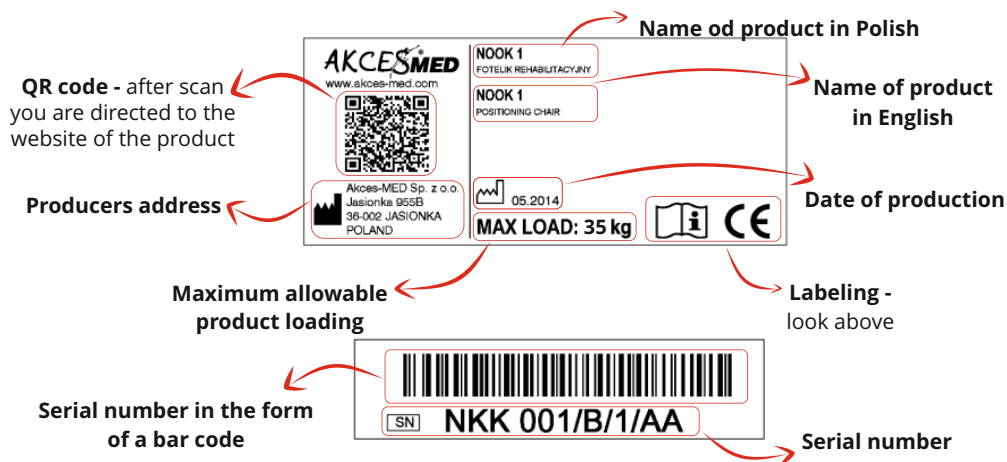


10 LABELLING

10.1. Symbols

	Declaration that the product meets the essential requirements		Protect from sunlight
	Catalog number		Storage temperature limitation
	Serial number		Relative humidity storage
	Please read the manual instructions before use		Dry vertically
	Attention!		Do not chlorinate
	Producer		Do not iron
	Production date		Do not dry in a drum dryer
	The product does not contain		Do not bleach
	Store in a dry place		Careful! delicate content
	Prohibition of use without fastened safety belts		Prohibition to leave the patient without care during use of the product
			Product designed for indoor use

10.2. Example of identification plate





ORTHOPAEDIC DEVICES MANUFACTURER



Akces-MED Sp. z o.o.
Jasionka 955B
36-002 Jasionka
tel. (17) 864 04 77

www.akces-med.com

e-mail: export@akces-med.com

Authorised Dealer



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Our passion - your independence!