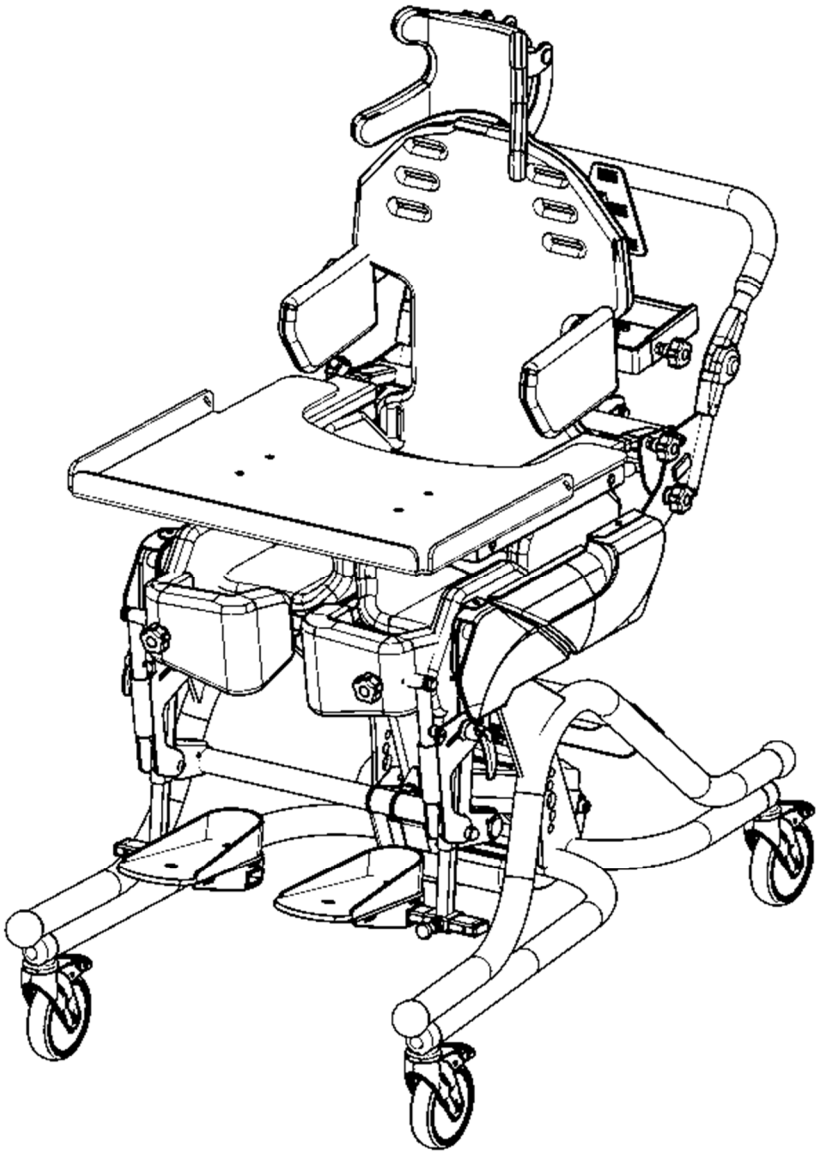
ENG

INSTRUCTIONS FOR USE

Baffin TRIO 4W



Sizes: 1,2
Control: Automatic

CE

Revision 6 – 08.05.2025

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ATTENTION! DEVICE IS DEDICATED FOR INDOOR USE.
DEVICE USE TEMPERATURE RANGE +5°C » +45°C

ATTENTION! WHILE USING AND SERVICE, ALSO DURING INSTALLATION AND ADJUSTMENT ALL THE MECHANISMS, THERE IS A DANGER OF ENTRAPMENT OR/ AND COMPRESSION SOME PARTS OF A USER/ USER'S ASSISTANT BODY INSIDE OF THE GAPS/ SLOTS BETWEEN ELEMENTS. THIS ACTION SHOULD BE TAKEN WITH EXTRA PRECAUTION. AFTER FINISHING ADJUSTMENT, THERE IS A NEED TO STABILIZE POSITION BY PRECISE TIGHTENING OF THE KNOBS/ BOLTS.

ATTENTION! THE PACKAGE OF THE PRODUCT SHOULD BE KEPT IN CASE IF PRODUCT REQUIRES RE-TRANSPORTATION FOR WARRANTY PURPOSE.

ATTENTION! WHILE USING THE BAFFIN TRIO DEVICE THE CHILD SHOULD NOT BE LEFT UNSUPERVISED. THE DEVICE IS DEDICATED FOR USE OF ONE PERSON ONLY.

ATTENTION! THE MAXIMUM LOADING OF THE BAFFIN TRIO MULTIFUNCTIONAL DEVICE SHOULD NOT BE EXCEED.

ATTENTION! IF THE BAFFIN TRIO DEVICE IS MISSING SOME PARTS OR HAVE THOSE DAMAGED, IT IS FORBIDEN TO USE ONE.

ATTENTION! ADJUSTMENT AND REGULATION OF THE DEVICE TO MEET THE REQUIREMENTS OF AN INDIVIDUAL PATIENT MUST BE PERFORMED BY A PHYSIOTHERAPY SPECIALIST OR A TRAINED PERSON.

ATTENTION IN THE EVENT OF A SERIOUS MEDICAL INCIDENT, THE USER/PATIENT SHOULD REPORT THE INCIDENT TO THE NATIONAL COMPETENT AUTHORITIES AND TO THE MANUFACTURER IMMEDIATELY..

ATTENTION! THE DEVICE CONTAINS SMALL PARTS THAT MAY POSE A RISK OF CHOKING OR SWALLOWING BY A CHILD.

ATTENTION! IT IS NECESSARY TO CAREFULLY READ THE INSTRUCTIONS FOR USE BEFORE USING THE DEVICE, AND RETAIN IT UNTIL THE END OF ITS USE.

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1 Introduction

The BAFFIN TRIO 4W Multifunctional device developed by LIW Care Technology Sp. z o.o . was designed and patented to provide a new approach in rehabilitation. Every effort has been made to ensure that the BAFFIN TRIO 4W Multifunctional device is extremely easy to use, as well as providing a wide range of anatomical adjustment and posture correction.

Please ensure this manual is read thoroughly before use. It is important to follow all the guidelines and recommendations to ensure full safety and comfort for the user and careers, as well as avoiding potential damage to the equipment. Where there are multiple careers or new careers, all concerned should receive training on the equipment and have a copy of this document or be aware of its location for reference purposes. Complimentary training is available from the Distributors. To benefit from all the features of the BAFFIN TRIO 4W, it is important to ensure that the product is properly set and adjusted to the User's particular needs prior to use.

2 General safety conditions

It is essential that you read this manual before using the appliance. Follow all the instructions in the manual, you will avoid situations where you could damage the appliance and ensure your total safety and comfort during the entire life of the product.

The biggest concern of LIW Care Technology Sp. z o.o. is to ensure the safety of our patients using the device. In order to guarantee full safety of the user of our stander, you have to follow these recommendations:

1. Prior to any attempt to use the device, thoroughly familiarize yourself with this manual. If in doubt, contact the seller or manufacturer.
2. Make sure that all the information, recommendations and warnings contained in these chapters are fully comprehensible. This manual includes paragraphs marked WARNING, which is meant to call special attention to its contents.
3. The child must not be left in device without supervision by a career.
4. If child is using a device make sure that child is properly secure.
5. Baffin TRIO 4W is intended for use by one person at a time.
6. Incorrect use of product may be hazardous to health and cause injury to the user.
7. During the use and holding of the Baffin TRIO 4W and when assembling and adjusting its mechanisms, particular attention should be paid to moving parts that create a real safety hazard such as squeezing the body in openings or between components. After each adjustment, stabilize the position by carefully tightening the nuts/bolts and make sure that the upright's components are in the sated and secured position.
8. It is forbidden to transport patient in Baffin TRIO 4W traveling by car or by plane(as a car seat) Child cannot use device during traveling by car or plane
9. It is forbidden to ride devices up or down stairs both with or without patient.
10. It is forbidden to move the patient in the device.

The device meets fire protection level FT2.
The device may cause electromagnetic field interference.

All modifications of the device made by customers not considered by user manual are not allowed by the manufacturer and might cause warranty loss.

Pay attention to the device condition. The occurrence of any damage or signs of excessive wear on the unit should be checked and, if necessary, such an incident reported to the distributor or manufacturer.

The user manuals attached to devices manufactured by LIW Care Technology Sp. z o.o. include paragraphs marked with the word CAUTION, intended to emphasize the content of the given paragraph. The significance of the above-mentioned symbol is as follows:

ATTENTION! THIS SYMBOL IS USED TO CALL THE READER'S ATTENTION TO THE TEXT BELOW. FAILURE TO FOLLOW THE CONTENTS OF THIS PARAGRAPH MAY BE HAZARDOUS TO THE USER'S HEALTH AND LIFE, AS WELL AS TO THE SAFETY OF THE DEVICE.

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3 Indications and contraindications for use of the product

Baffin TRIO 4W is a device that stands up and is in an upright position. It is used in those diseases where verticalization is indicated and the patient has lost this function temporarily or permanently. The decision to introduce verticalization in the rehabilitation process is made by the rehabilitation doctor who writes an order for this type of equipment.

The Baffin TRIO 4W is most often used in the following diseases:

- cerebral palsy,
- genetic syndromes,
- metabolic syndromes,
- muscular dystrophies,
- spinal muscular atrophy – SMA,
- paralysis of various origins,
- spina bifida,
- myelomeningocele,
- conditions after spinal injuries,
- conditions after craniocerebral injuries,
- conditions after strokes,
- posture defects,
- spinal scoliosis.

Indications:

- improvement of cardiovascular function,
- prevention and treatment of venous stasis,
- improving lung ventilation and preventing pneumonia,
- prevention of pulmonary embolism,
- prevention and treatment of osteoporosis,
- prevention and treatment of stasis in the urinary tract,
- improvement of intestinal peristalsis,
- improvement of mental state,
- prevention of muscle atrophy,
- prevention and treatment of contractures,
- preventing and slowing down the progression of scoliosis in children and adolescents with lost gait function.

In the first period of using the equipment, it is worth getting the patient used to the new supplies. The process of accepting the equipment can take from several minutes to several days – depending on the patient's health condition. The first verticalization should take place in the presence of a physiotherapist and last up to 5 minutes, at an upright angle of 30-45 degrees, especially in patients who are in a lying position after a long hospitalization and patients in whom verticalization has not been carried out for a long time. The time spent in the device is not strictly defined and depends on the patient's health condition and the rehabilitation process. The device provides the patient with stabilization and facilitates the development of cognitive functions. It also ensures the comfort of working with the child and its safety. Upright positioning is carried out on demand several times a day and lasts from 5 to 60 minutes, depending on the recommendations of the physiotherapist or rehabilitation doctor treating the patient.

Using the device during the rehabilitation process of the patient increases the chances of recovery.
Contraindications to the use of the Baffin TRIO 4W coincide with contraindications to standing upright. These include:

- atypical adverse reaction to upright positioning,
- inflammation of joints of various origins,
- post-traumatic conditions after fractures of long bones with incomplete union,
- conditions after dislocation and other injuries of the joints of KKD,
- large contracture in the knee joint (see description below),
- increased body temperature,
- a large deformity around the feet, which prevents the patient from being properly loaded.

The Baffin TRIO 4W device, thanks to its design, does not exclude verticalization of patients with fixed contractures of the knee joint, however, due to the small degree of angle adjustment in the knee joint, special attention and control of the child is recommended in such cases. Such cases should be considered individually, and verticalization should take place under the strict supervision of a doctor or physiotherapist.

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4 Identification plate

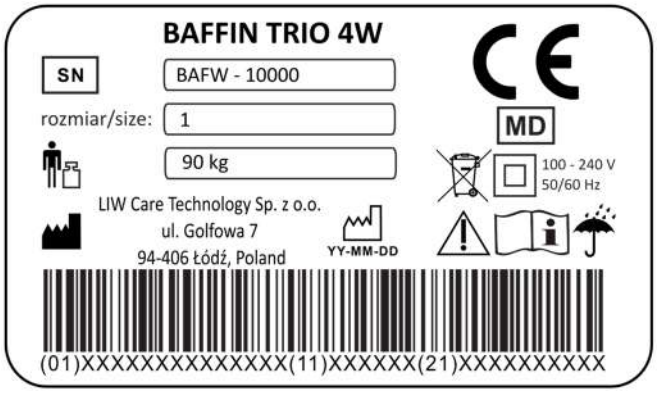
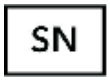
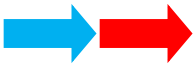


Fig. 1

5 Symbol meaning

	Manufacturer's name and
	Date of manufacture
	Serial Number
	User's permissible weight
	Avoid contact with water
	ATTENTION! follow product instructions for use
	Electrical appliance protection class II 100-240V - voltage 50/60 Hz – frequency
	The pointer showing the discussed element and direction of the movement
	Mark of conformity according to the Regulation 2017/745 of the European Parliament and of the Council (EU) dated from April 5th, 2017, on medical devices, Annex V.
	Ban on disposal of the device to household waste-bin
	The temperature of the working device
	Medical device

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6 Compliance with the safety requirements for medical devices

The Baffin TRIO 4W meets requirements of the Regulation of the European Parliament and of the Council (EU) 2017/745 dated from April 5th, 2017, on medical devices.

The Baffin TRIO 4W in accordance with Annex VIII of the Regulation of the European Parliament and of the Council (EU) 2017/745 dated from April 5th, 2017, on medical devices is a non-invasive, active class I medical device according to the rule 1.

Conformity declaration of the device can be obtained in the Sales Department of the manufacturer.

ATTENTION! In case of any modification of the device, the use of non-original spare parts or use with products of another manufacturer, the CE marking must be removed.

7 Application

The use of a Multifunctional device following exercise will increase the chances of full postural recovery.

Owing to a design that, when properly adjusted, attempts to restore the physiological curvature of the spine, it perfectly and smoothly corrects scoliosis, as well as passively restores proper alignment of the spine's kyphosis and lordosis.

Pelvic adjustment (pelvic is the base of the body in a sitting position) corrects spine position, which forces the whole body of the patient to be more correct.

Smooth adjustment of buttock load is perfect in preventing and curing sores and decreases skin abrasion. The device allows for maintaining the child's head in a proper position, which facilitates feeding, education and playing.

Each device is individually fitted for a given child. Our innovative device “grows” with a child. It can be adapted to the current position and height of the child.

8 Technical parameters

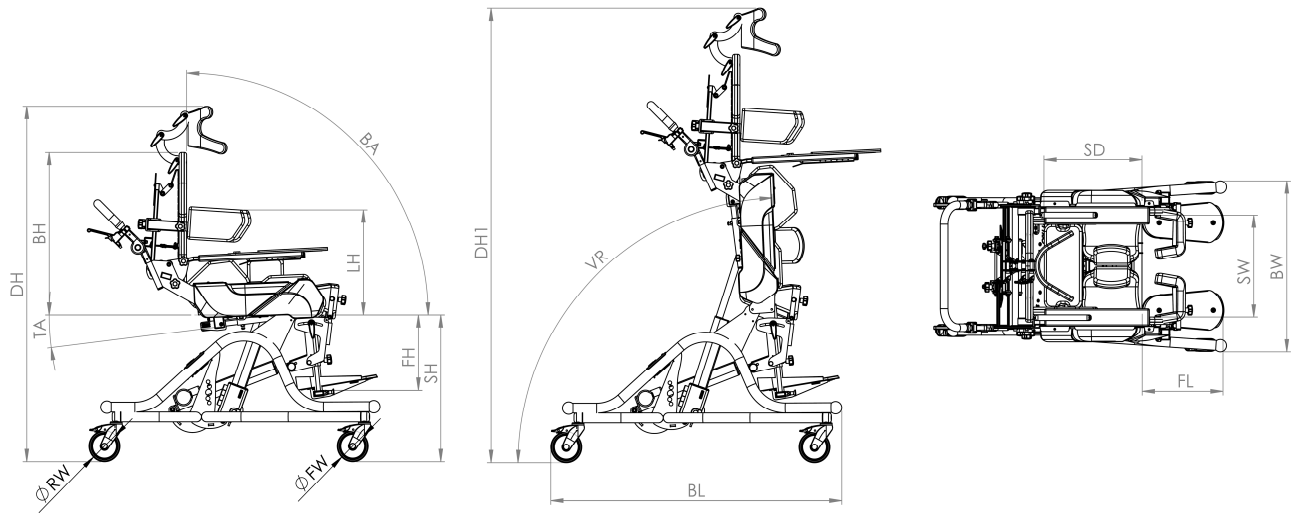

Fig. 2

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L.p.	Dimension	Dimension symbol	Size			
			1 [metric]	2 [metric]	1 [imperial]	2 [imperial]
1	Seat height	SH	61 cm	61 cm	24 in	24 in
2	Back height	BH	61 cm	*61 cm *77 cm	24 in	*24 in *30.3 in
3	Backrest Angle	BA	$80^0 \div 115^0$	$80^0 \div 115^0$	$80^0 \div 115^0$	$80^0 \div 115^0$
4	Verticalization Range	VR	$0^0 \div 85^0$	$0^0 \div 85^0$	$0^0 \div 85^0$	$0^0 \div 85^0$
5	Base length	BL	116 cm	122 cm	45.5 in	48 in
6	Base width	BW	69 cm	77 cm	27 in	30 in
7	Foot platform height	FH	32÷42 cm	35÷49 cm	12.5÷16.5 in	13.7÷19 in
8	Foot platform length	FL	28 cm	32 cm	11 in	12.5 in
9	Rear wheel diameter	RW	10 cm	10 cm	3.9 in	3.9 in
10	Front wheel diameter	FW	10 cm	10 cm	3.9 in	3.9 in
11	Seat depth	SD	36÷50 cm	*36-50 cm *50÷64	14÷19.5 in	*14-19.5 in *19.6÷15
12	Seat width	SW	27÷40 cm	34÷45 cm	10.6÷15.7 in	13.4÷17.7 in
13	Footplate angle	FA	$+/-14^0$	$+/-14^0$	$+/-14^0$	$+/-14^0$
14	Tilt angle	TA	7^0	7^0	7^0	7^0
15	Lateral support height	LH	26÷44 cm	31÷62 cm	10÷17 in	12÷24 in
16	[1] Height of device in restful position	DH	140 cm	150 cm	55 in	59 in
17	[2] Height of device in vertical position	DH1	190 cm	211 cm	74.8 in	83 in
18	Weight of the device		57 kg	67 kg	125.6 lb	147.7 lb
19	Maximum user's weight		90 kg	90 kg	198 lb	198 lb

[1] Height of the device is being measured together with the headrest. The device's height excluding headrest is 7.8" less.
[2] Height of the device in standing position is dependent on the adjusting of the seat's depth.
* To choose from when ordering

The device is supplied with power supply 100 - 230 V.

The unit can have a battery/battery pack of 25.2 V and 1800 mAh.

Components used in the control and power supply have insulation class IP 42.

The device emits 55 dB and 50 Hz during operation.

The device should be recharged systematically and at least once a month, and should not be allowed to run down completely.

The unit complies with EMC requirements.

9 Construction of the device

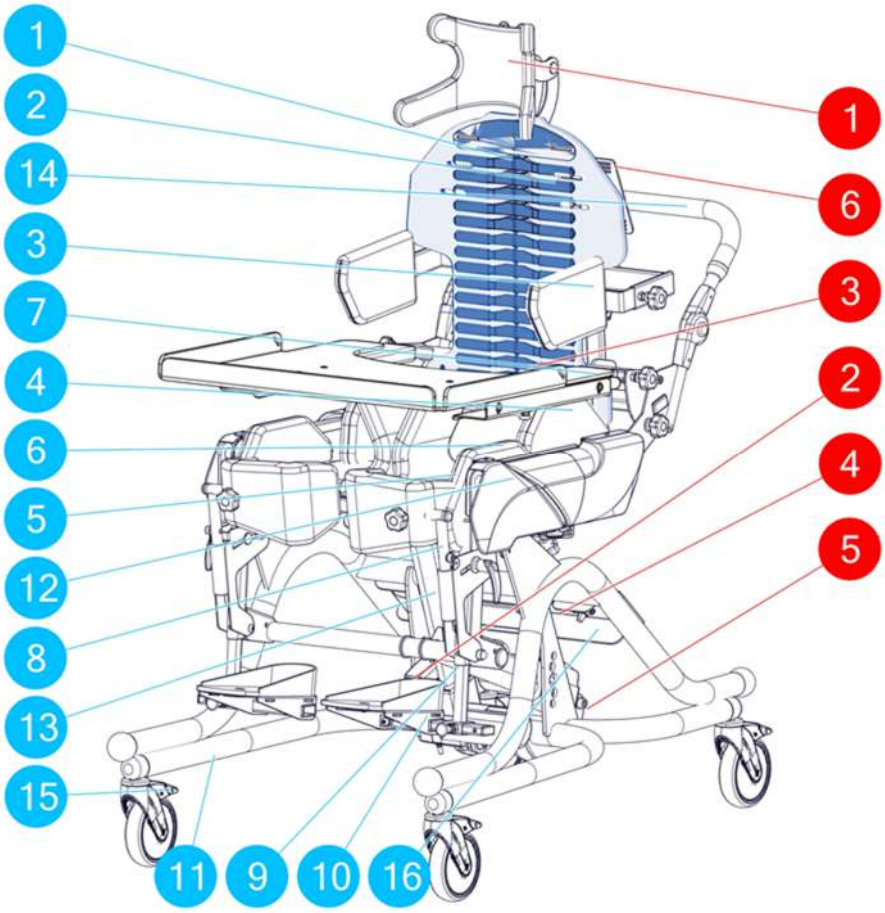

Fig. 3

Standard equipment (marked blue):

1. Central Core
2. Back supports
3. Lateral supports
4. Hip supports
5. Legs abduction belts
6. Tight support
7. Armrests
8. Knee Support
9. Leg support
10. Foot platforms:
    - standard version
    - 3D rotational
11. Verticalization base
12. Seat
13. Actuators
14. Push Handle
15. Brakes
16. Control panel

Additional equipment (marked red):

1. Headrest
2. Foot platforms with heel supports
3. Tray
4. Battery
5. Respiratory shelf
6. Spine Interlock

10 Emergency brakes

The multifunctional device Baffin TRIO 4W is equipped with 4 swivel wheels. Those wheels are equipped with parking brakes, enabling complete stop of the wheel movement. To block the wheels, the lever brake should be pushed (1), until the 'CLICK' sound appears. To unlock the wheel, the lever (1) should be pulled back up.

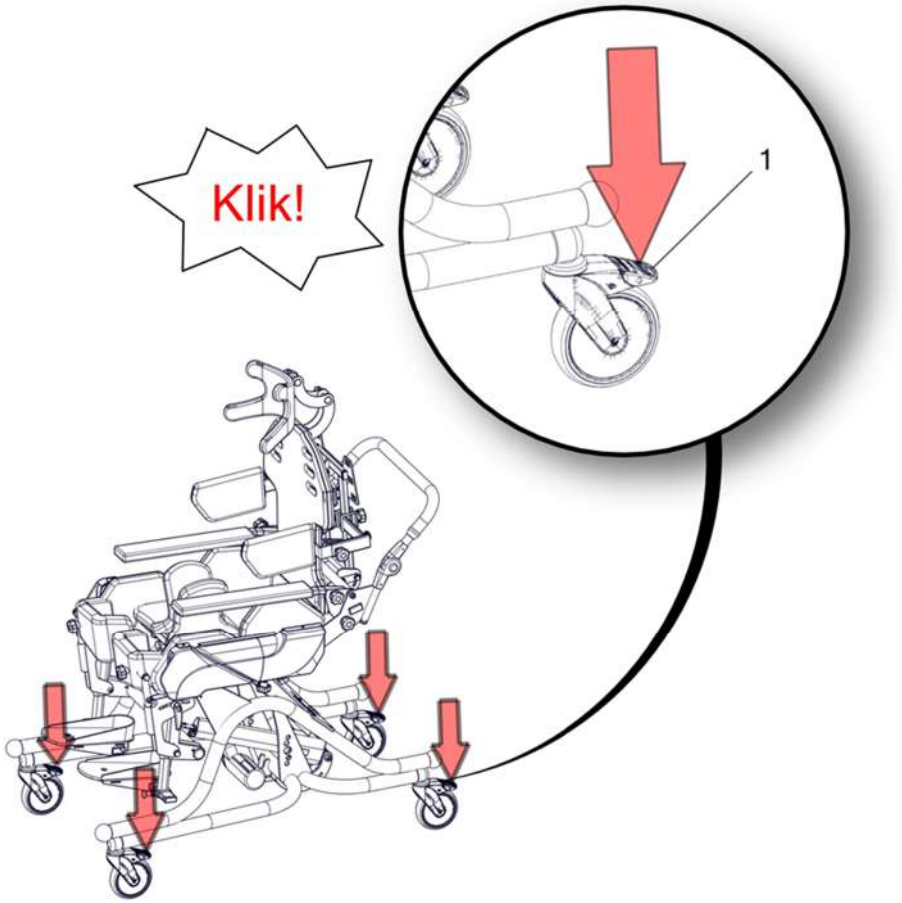

Fig. 4

11 Setting and adjustment

ATTENTION! ONLY AUTHORISED PEOPLE CAN SET AND ADJUST THIS PRODUCT. IT IS STRONGLY RECOMMENDED THAT SETTING AND ADJUSTMENT IS CARRIED OUT BY A QUALIFIED CLINICIAN OR PERSONNEL AUTHORISED BY A QUALIFIED CLINICIAN.

11.1 Adjusting tools

For full adjustment of device and accessories tools listed below are necessary:
H4 - Allen key 4
H5 - Allen key 5
H6 - Allen key 6

11.2 Width and Depth Adjustment of the Multifunctional device

Width Adjustment

The width of the seat can be regulated with the use of a knob marked with a blue arrow (Fig. 5).

Loosening the knob enables the width adjustment of the hip support (Fig. 6).

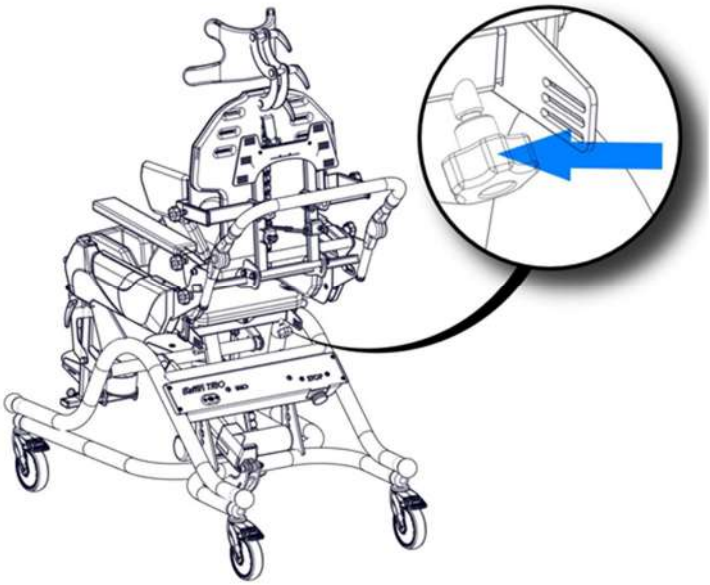

Fig. 5

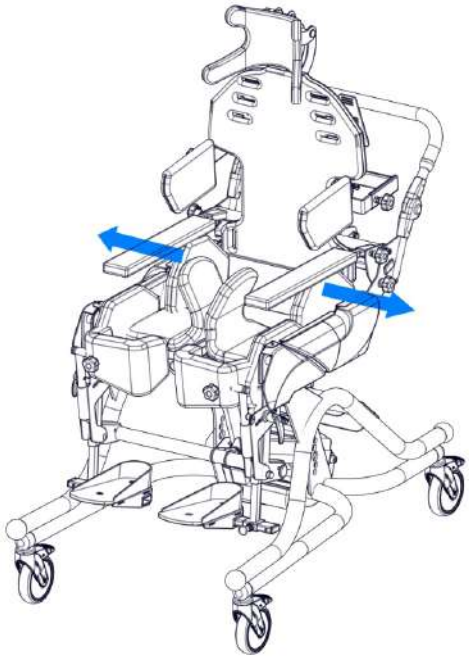

Fig. 6

The knobs are located on the right and left sides of the device. It enables symmetrical and asymmetrical adjustment of the user's body. To adjust the spacing between the thigh supports, use the two knobs which are situated under the thigh supports (Fig. 8).

To adjust the supports, unfasten the upholstery from the thigh supports and fold it to uncover the knobs on the underside of metal supports. (Fig. 7). Next, twist off the knobs to set the required position of the thigh supports freely. After setting the correct position, twist the knobs to fix the chosen position. The thigh supports can be positioned at an angle towards the longitudinal axis of the device, which increases the possibility to pull the thigh away. The position of the thigh supports the correct position of knees in relation to the pelvic.

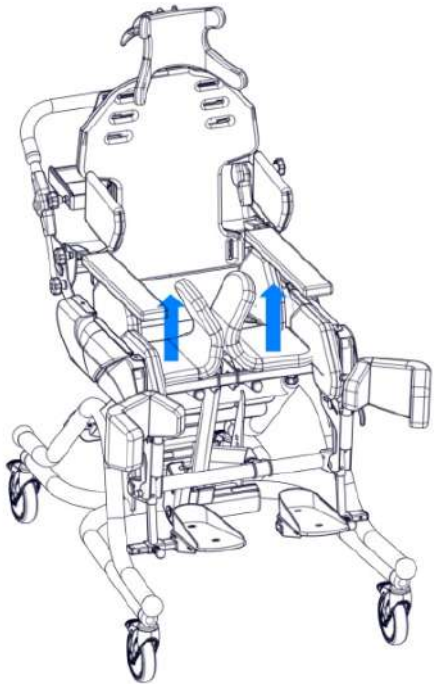

Fig. 7

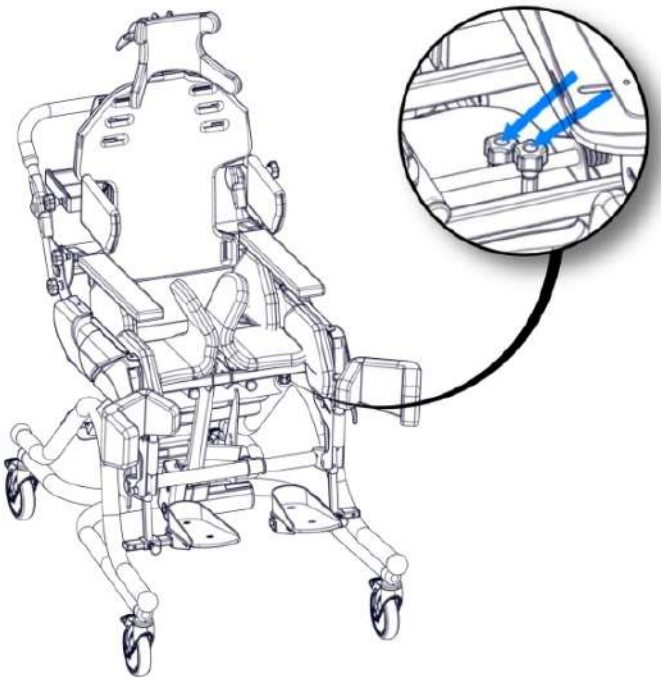

Fig. 8

The knobs are situated on the right and left sides of the device. They operate independently. They allow for symmetrical and asymmetrical positioning of the user's body.

11.2.1 Removing hip supports

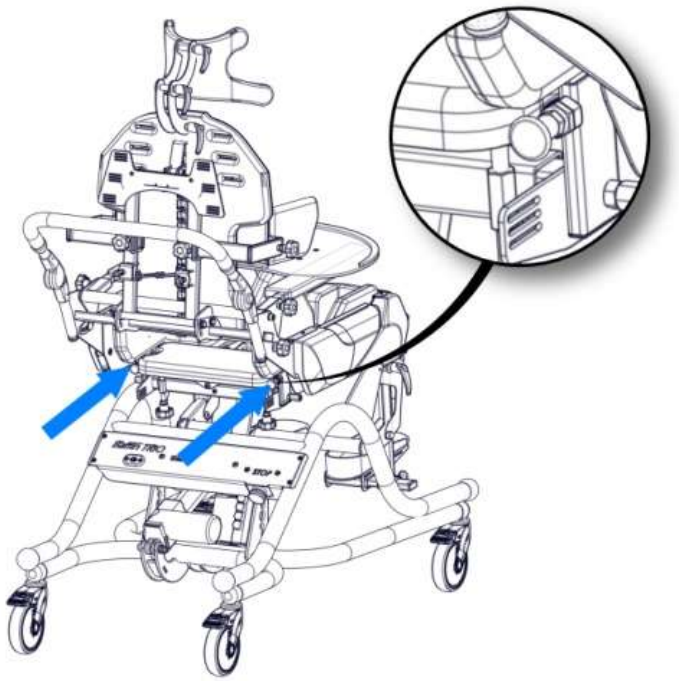

Fig. 9

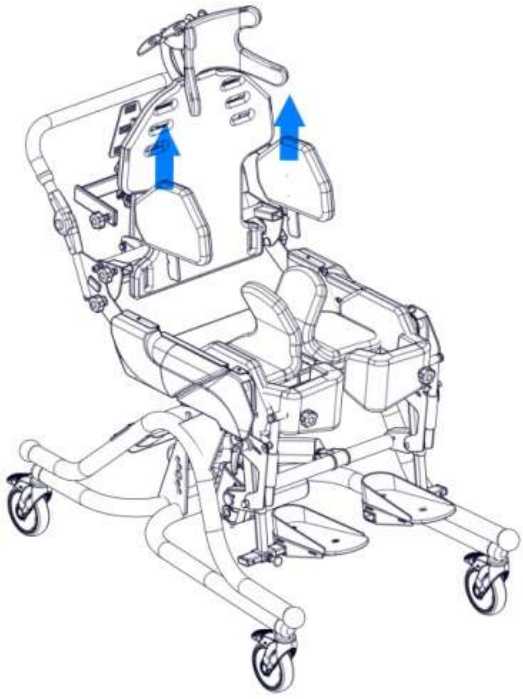

Fig. 10

The hip support system can be fitted or removed quickly. To remove, pull away the setting pivot and pull out the hip supports from the grip (Fig. 10) Similarly, to fit back the hip supports, pull away the setting pivot and push in the supports into the grip and the automatic fixing system will secure the support from pulling out by accident.

11.2.2 Removing the plastic covers

Before adjusting the depth of the seat, remove the plastic cover on both sides of the machine. The covers are fixed with the use of 4 screws (2 on each side), placed on the top and bottom covers (Fig. 11 & Fig. 12).

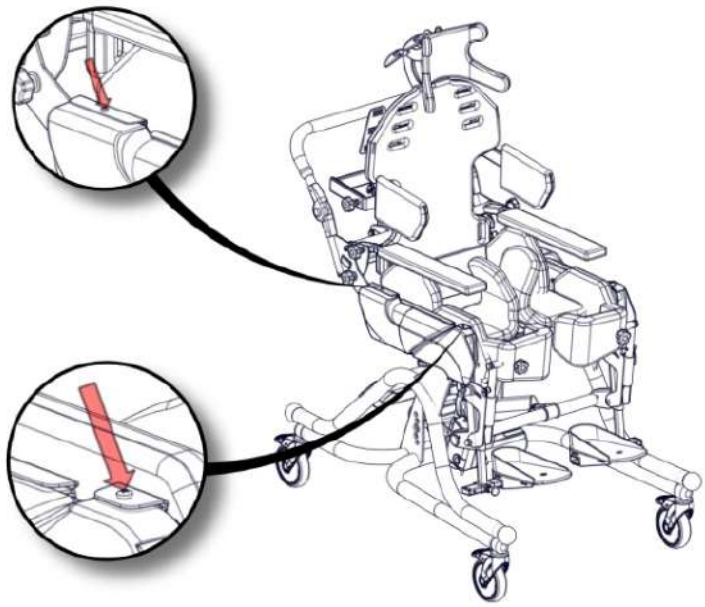

Fig. 11

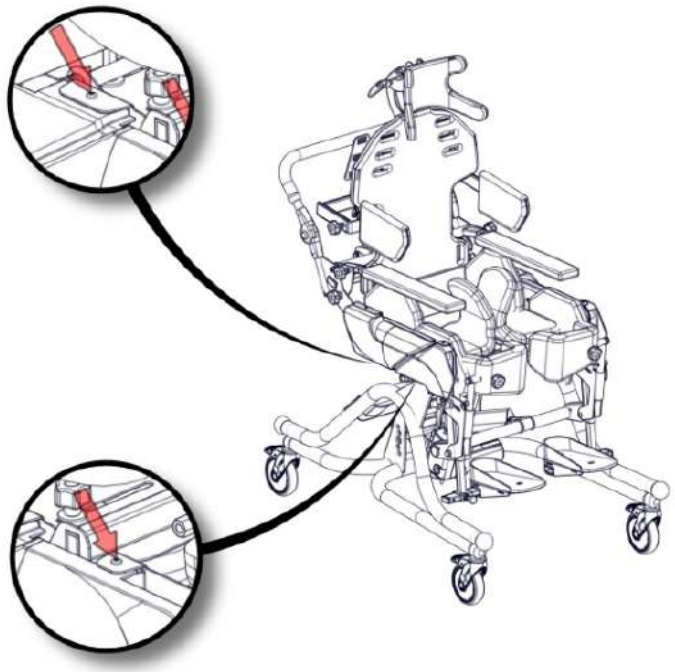

Fig. 12

After undoing the screws, pull out the covers from the fixing slits (Fig. 13). To prevent damage to the covers, first take off the back cover (outer), then the front cover (inner) (Fig. 14).

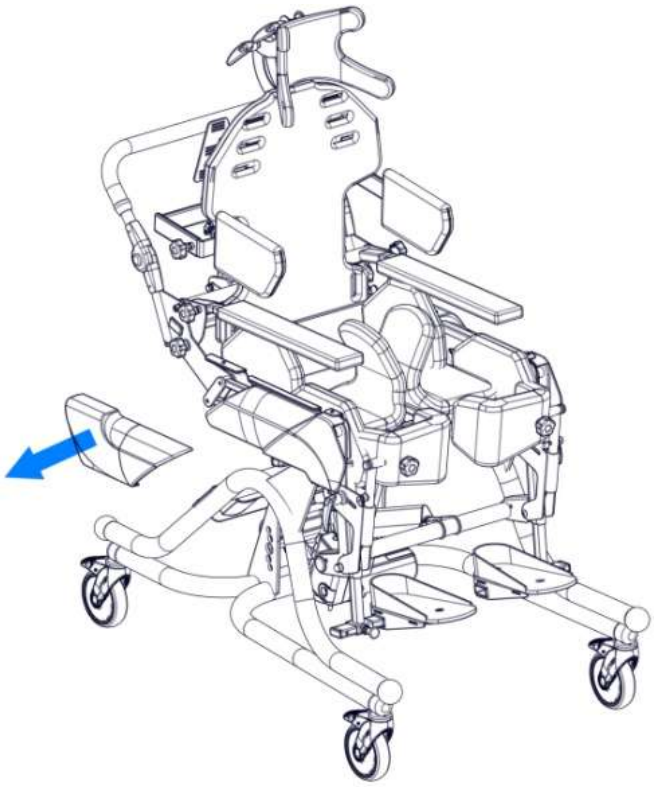

Fig. 13

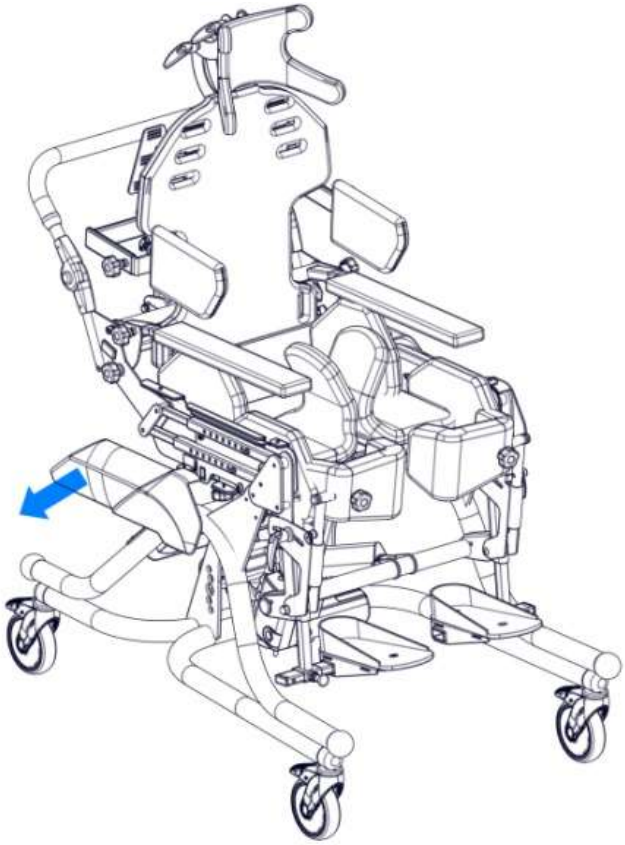

Fig. 14

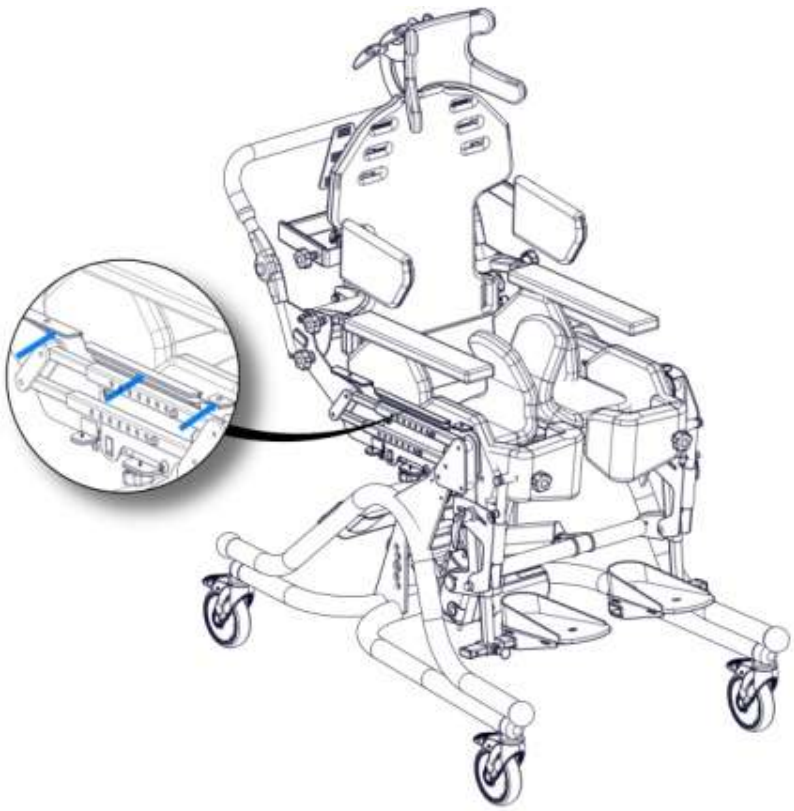

Fig. 15

The covers should be fitted in a similar way, in the opposite order. Firstly, the front cover should be mounted, then the back slit between the sheathing should be mounted too (Fig. 15).

11.2.3 Depth adjustment

To adjust the depth of the seat, use the blocking screws marked with the blue arrows (Fig. 16). It is possible to change the depth of the device after the screws have been completely undone on both sides of the device. Push in or pull out the back part of the seat into the right depth. The depth of the seat must be set so that the axis of the device (marked with X and Y in the figure) are congruent with the anatomical axis of the hip joint and the knee joint. Make sure that (after setting the required depth) the screws are properly screwed in symmetrically in corresponding holes on both sides of the device. Failure to do this may cause damage.

ATTENTION! WHILE SCREWING THE SEATING DEPTH ADJUSTMENT BOLTS, HOLD THE BACK SUPPORT. SETTING TOO LITTLE DEPTH OF THE SEAT CAN CAUSE PRESSURE ON THE KNEES IN THE STANDING POSITION. SETTING TOO MUCH DEPTH WILL CAUSE THE PATIENT TO SLIDE DOWN AND THE UNDERARMS TO PUSH AGAINST THE ARMPITS.

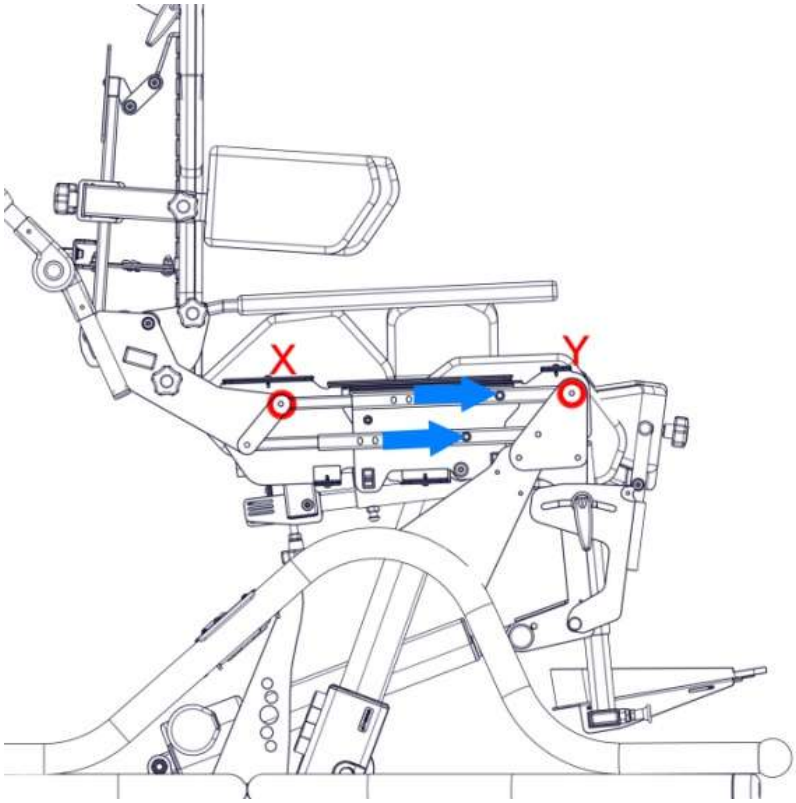

Fig. 16

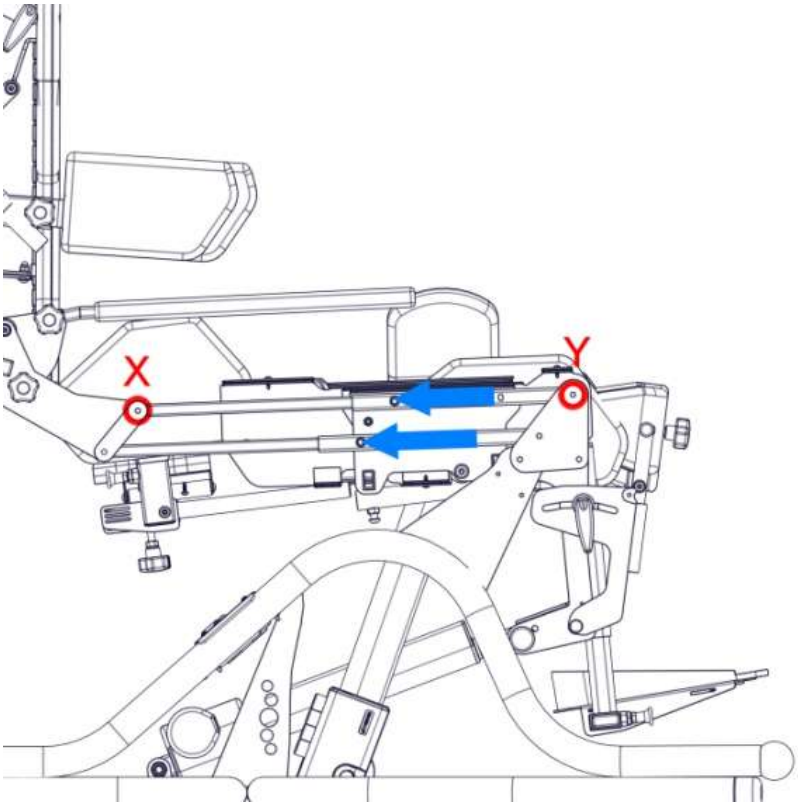

Fig. 17

11.2.4 Seat position adjustment

To adjust the position of the seat, use the screw marked with the blue arrow (Fig. 18). After undoing the screw, the seat must be pulled out or pushed into the required depth. After making the adjustment, stand the device and make sure that the seat does not collide with the lower part of the central cord (the spine of the back support) (Fig. 19). The slit between the central core and the seat should be a minimum 1,5cm.

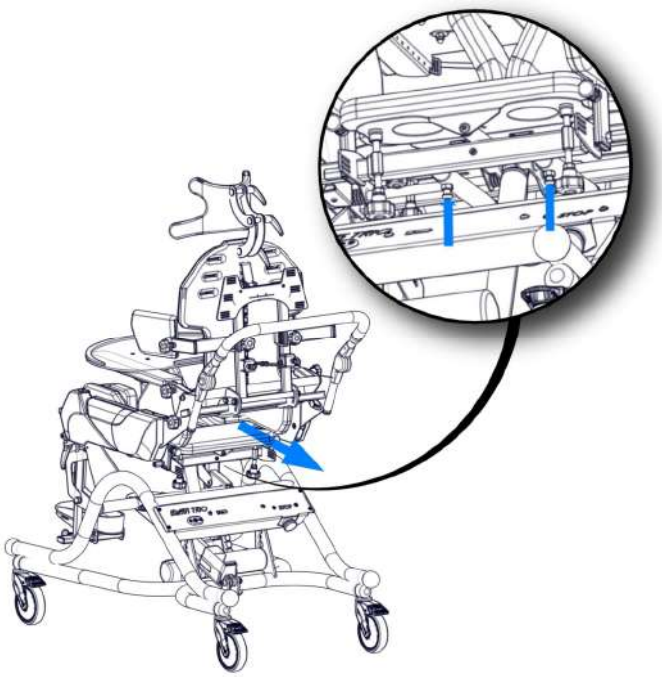

Fig. 18

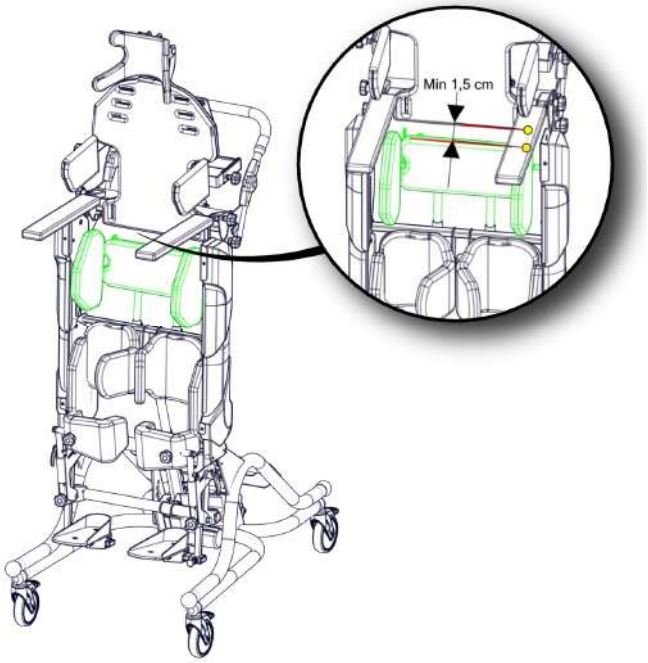

Fig. 19

ATTENTION! ADJUSTMENT OF THE POSITION OF THE SEAT MUST BE PERFORMED EACH TIME AFTER THE DEPTH IS ADJUSTED. SETTING THE SEAT IN AN INAPPROPRIATE POSITION CAN CAUSE DANGER FOR THE PATIENT OR CAN DAMAGE THE SEAT.

11.3 Lateral supports adjustment

11.3.1 Lateral supports width and height adjustment

To adjust the width and height of the lateral supports, unscrew the knob marked with a red arrow in (Fig. 20). After adjusting the width and height of the lateral supports, tighten the knob.

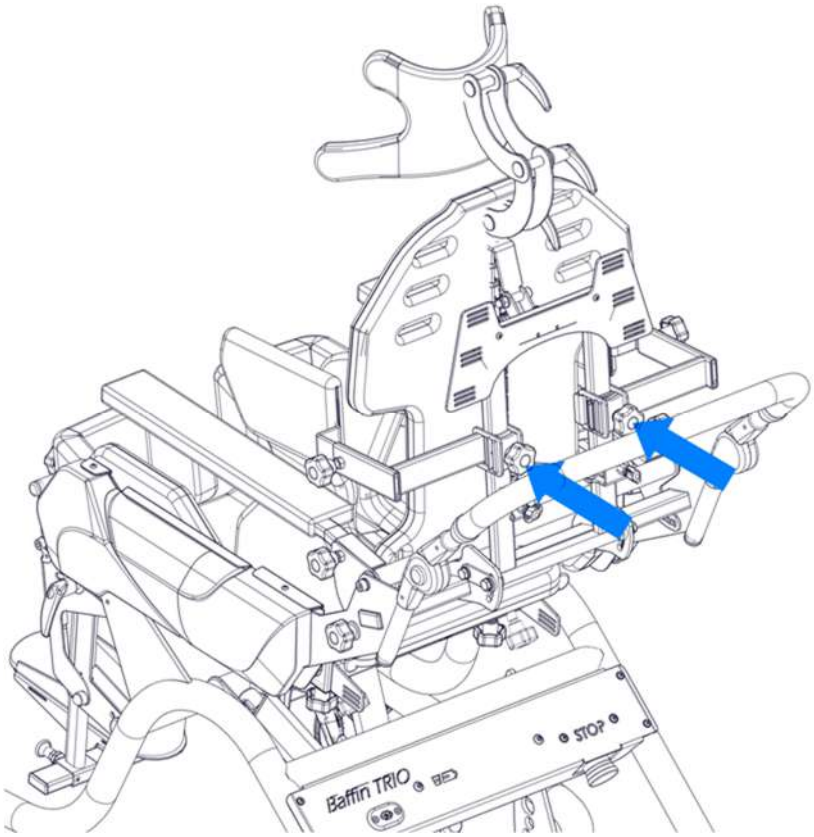

Fig. 20

ATTENTION! CAREFULLY CHECK IF THE ADJUSTMENT IS COMPLETELY CORRECT:

- THAT NO ELEMENT OF THE EQUIPMENT PUTS TOO MUCH PRESSURE ON ANY OF THE USER'S BODY PARTS.
- THAT THERE IS NOT TOO MUCH SPACE BETWEEN THE USER AND THE DEVICE.
- THAT, AFTER SETTING THE SYSTEM FOR THE USER, ALL THE SCREWS AND ADJUSTING KNOBS HAVE BEEN TIGHTENED.

11.3.2 Dismantling lateral supports

Lateral supports have a system that allows easy assembly and dismantling:
To remove the lateral support, unscrew the knob marked with a blue arrow and pull out the bracket from the handle (Fig. 21). Similarly, to mount back the lateral support, slide the bracket in the handle to the desired depth and then tighten the knob.

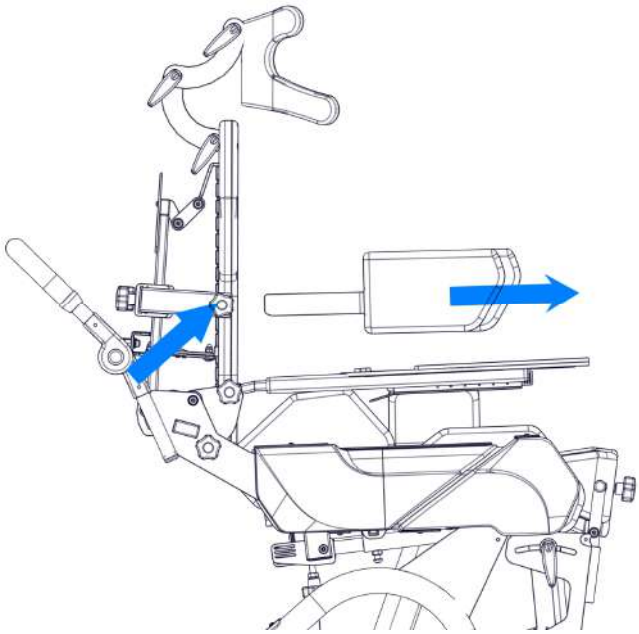

Fig. 21

11.4 Armrests adjustment

The armrest system makes it possible to smoothly adjust the angle, the height and the spacing of armrests. To change the angle of armrests, loosen the blocking knobs (Fig. 22), and then, after setting the right angle, block the mechanism of armrests by tightening.

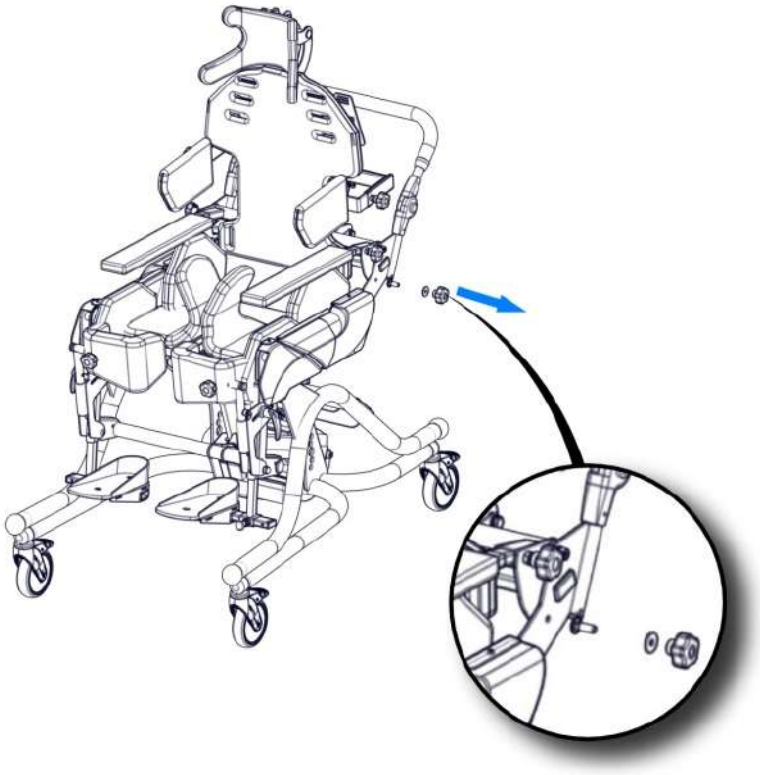

Fig. 22

The spacing of armrests is adjusted by switching the armrests. To switch them to opposite sides, pull away by setting pivots which block the armrests (Fig. 23), pull out the armrests from their fixing nests and change places.

11.4.1 Removing the armrests

Dismantling the armrests is possible by unscrewing the knobs blocking armrests marked with a red arrow (Fig. 23). To install the armrest, slide it back into the slot and then tighten the locking knobs.

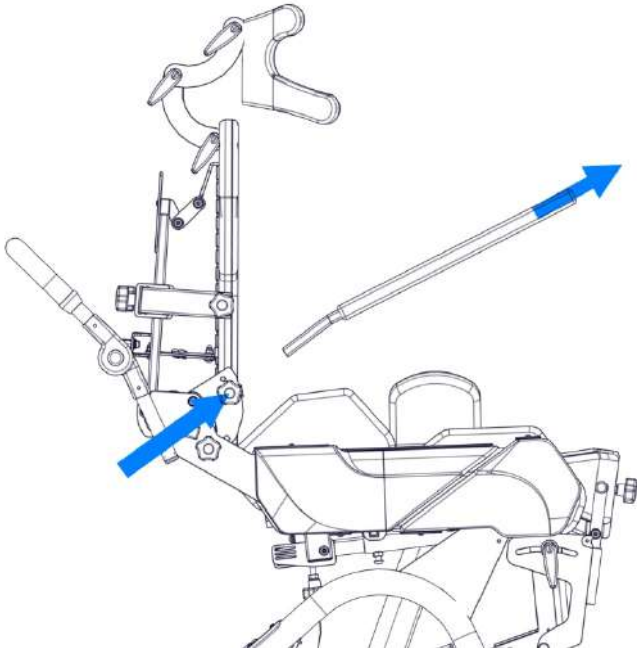

Fig. 23

11.5 Footrest adjustment

The footrest is used to support the feet while sitting, lying down and tilting. The footrest is adjustable by:

- height,
- angular positioning of the foot platforms.

11.5.1 Adjusting the Height of the Footrest

ATTENTION! INAPPROPRIATELY TIGHTENED KNOBS AND SCREWS CAN CAUSE THE FOOTREST TO MOVE IN THE UPRIGHT POSITION AND CAN LEAD TO INJURY OR DAMAGE TO THE DEVICE.

Use the knob marked with a blue arrow in (Fig. 24), to adjust the height of the footrest. To change the height, the knob should be loosened first, then the footrest should be moved up or down. After putting it into the required position, the knobs should be tightened properly. Footrests may be adjusted individually, which enables adjusting those for different lengths of the lower limbs. On the outside surfaces of the adjusting parts, there is a scale which helps proper adjusting of those.

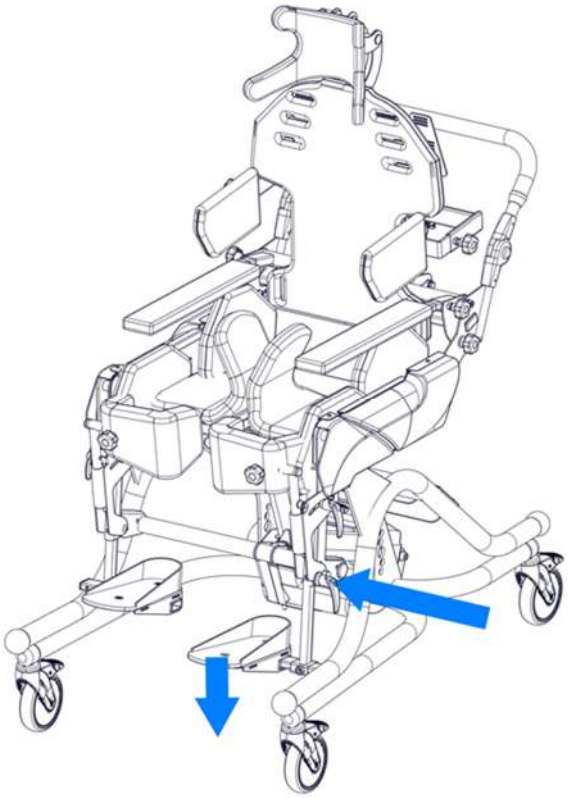

Fig. 24

ATTENTION! WHILE PULLING OUT FOOTREST, DO NOT EXCEED THE SCALE OVER THE MAX VALUE. PULLING OUT THE FOOTREST BEYOND THE MAX MARK MAY CAUSE FALLING AND FOOT INJURIES FOR THE USER, OR DAMAGE TO THE DEVICE.

11.5.2 Adjusting the angle and the position of the foot platform

To change the position, loosen the adjusting screws which can be found under the platform marked with the blue arrows in (Fig. 25). Loosening the screws will allow for setting the right position of the user's foot. After setting to the required position, ensure the screws are tightened.

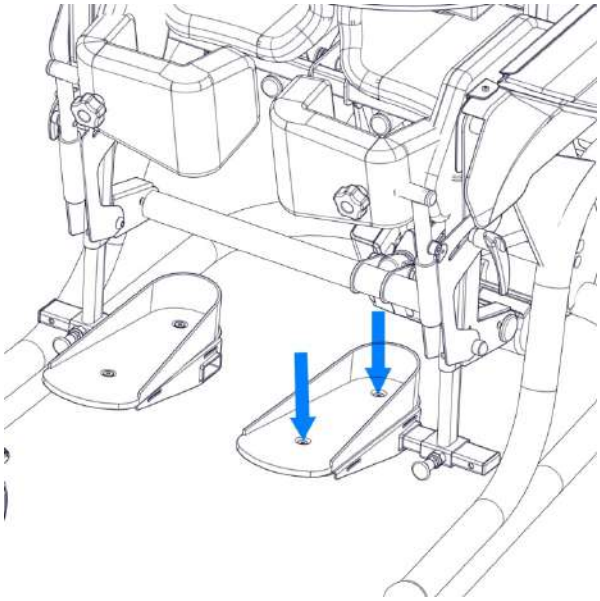

Fig. 25

11.5.3 3D Feet system angle and platform adjustment

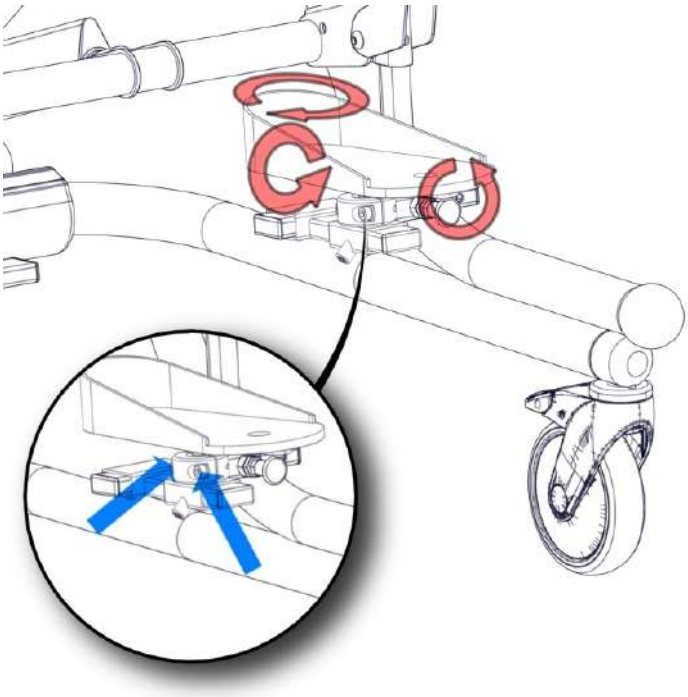

Fig. 26

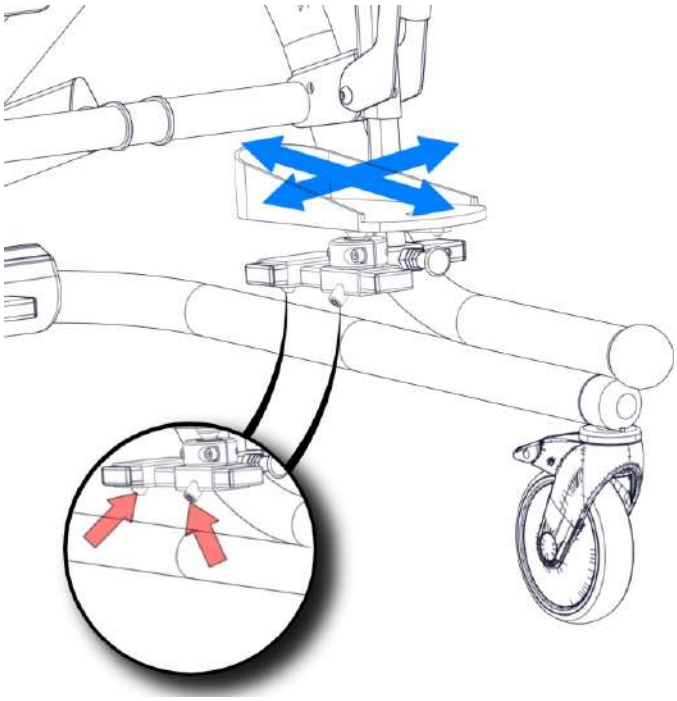

Fig. 27

The 3D Feet System enables effortless regulation of the feet platforms in every direction needed. To change the angle of the platform, the two screws marked by blue pointers should be loosened, the way shown on (Fig. 26), with the help of the Allen key 5mm. After adjusting the platform to the required position, the screws should be tightened.

The adjustment forward back and side-to-side can be done by loosening the screws marked with red pointers on the (Fig. 27), by using the Allen key 4mm. After the adjustment is done, the screws should be tightened back.

11.5.4 Fastening the feet onto the foot platform

For safe handling of the Baffin TRIO 4W Multifunctional device, it is necessary to fasten the user's feet onto the foot platform. Fastening the feet is carried out with the help of four straps. Unfasten the strap buckles, place feet on the platform, adjust the straps so that they lie tightly close against the feet. Finally, secure the buckles (Fig. 28).

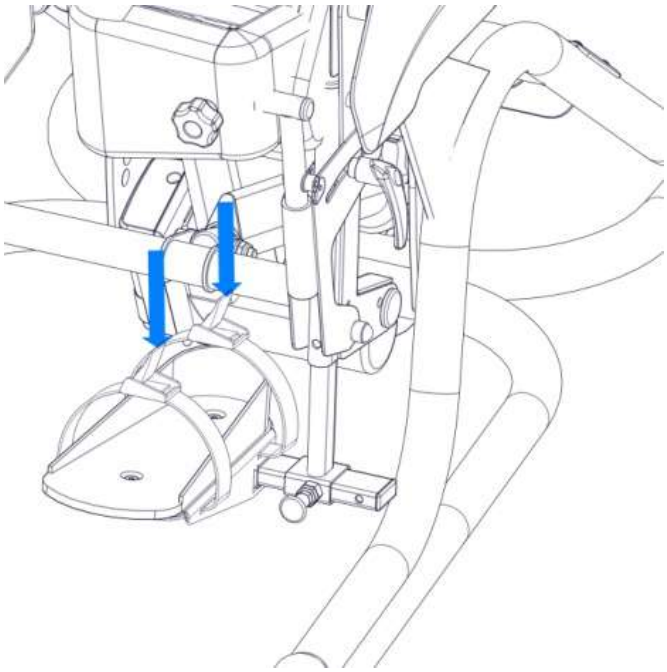

Fig. 28

11.5.5 Full footplate

Full footplate makes the stiff support between left and right footrest mount. Height of the footrest mount must be adjust on the same level. Footplates have several slots for straps. There is a possibility to align straps to proper foot and leg support.

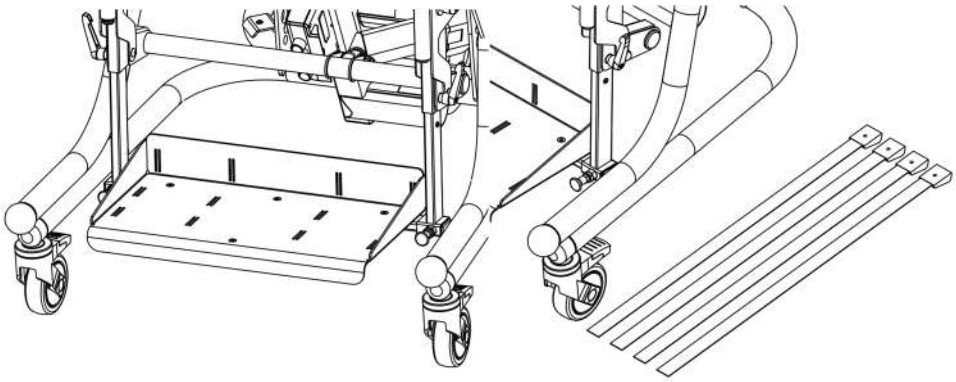

Fig. 29

11.6 Adjusting and regulating the knee supports

11.6.1 Unfastening and closing the knee supports

Use the knobs marked with the blue arrow (Fig. 30). To unfasten a knee support, loosen the blocking knob and pull away the knee support from the user's knee. Next, move the knee support up and take it out or pull away outside.

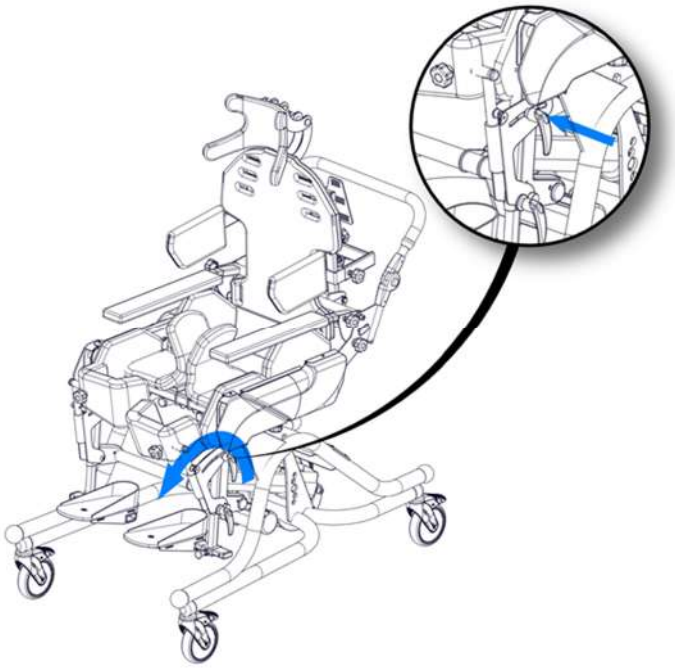

Fig. 30

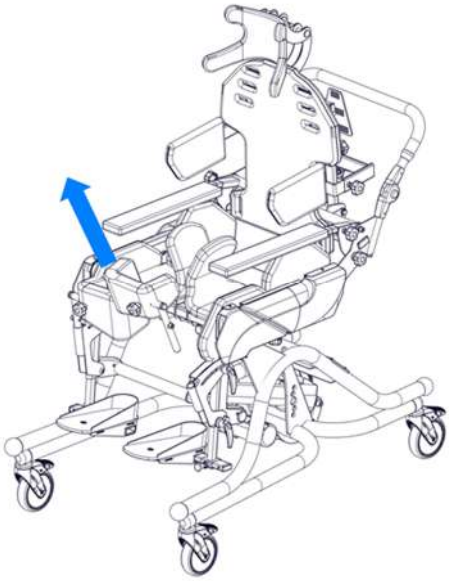

Fig. 31

To close the knee support, start by putting the shoulder of the knee support in the lock and then moving the knee support to the user's knee.

After setting the right distance from the user's knee (i.e. the minimum space between the user's knee and the knee support which does not cause discomfort), block the knee support with the knob.

Properly set, the knee support should not put too much pressure on the leg in the sitting and standing position. Each time when fastening the knee supports, check the locks by pulling the knee supports in the opening direction.

11.6.2 Regulating and adjusting the knee supports

You can adjust the knee support in terms of pulling the knee away or back. To do this, tighten the knob marked with the blue arrow (Fig. 32) and move the knee support to the left or right. After setting the required position the knob must be tightened until you feel resistance. Properly adjusted, the knee support should not put too much pressure on the leg in the sitting or standing position.

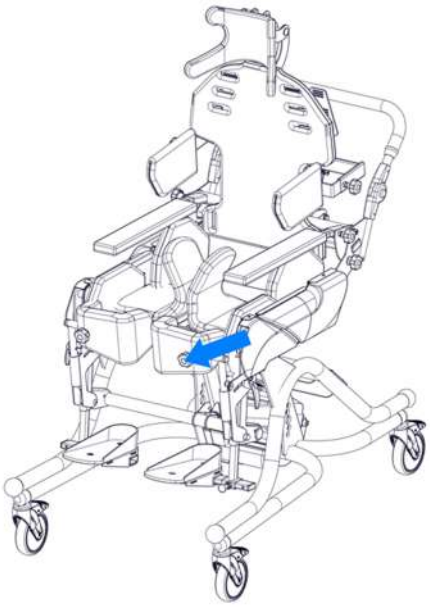

Fig. 32

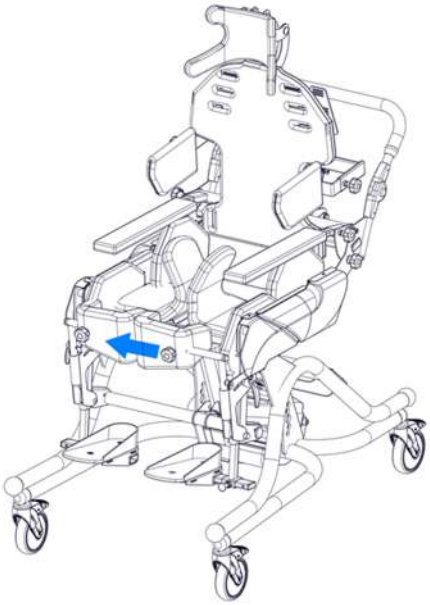

Fig. 33

ATTENTION! EVERY TIME THE KNEE SUPPORT IS FASTENED, CHECK IT IS LOCKED BY PULLING IT IN THE OPENING DIRECTION. PROPERLY ADJUSTED, KNEE SUPPORT SHOULD NOT PUT TOO MUCH PRESSURE ON THE LEG IN THE SITTING OR STANDING POSITION.

11.7 Adjusting the back support

BAFFIN products are the only ones on the market with a back-construction design based on the human spine. This unique feature enables back adjustment in an anatomical or correcting way. The central cord is built of segments placed every 26 mm.

To adjust the backrest, loosen by Allen key 6mm the adjustment screws (Fig. 35) and after obtaining the appropriate shape, tighten the adjustment screws. To get a more precise modeling of the shape of the back, detach the back cover from the central spine, which is assembled by means of hook and loop tape (Fig. 34).

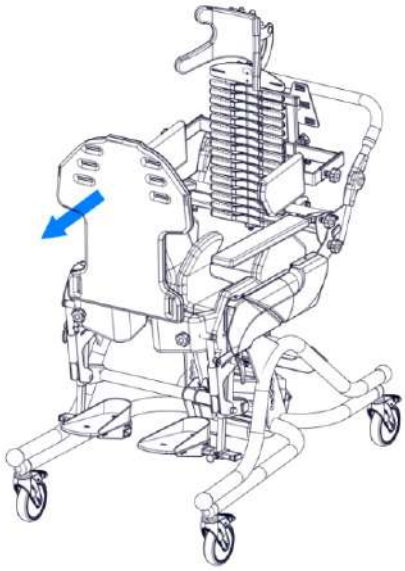

Fig. 34

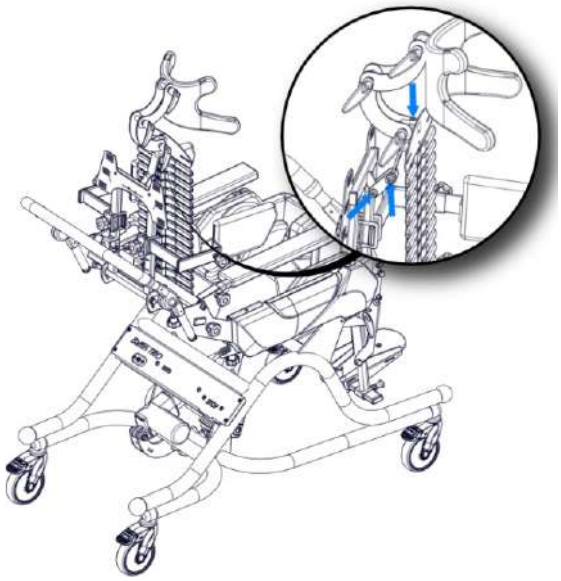

Fig. 35

ATTENTION! IT IS ESSENTIAL THAT A CLINICIAN SPECIFIES THE SHAPE OF THE BACK SUPPORT.

11.8 Fitting and adjustment of the vest and hip belts

The vest and hip belts are used to secure the correct position of the user in the seat. The vest and the hip belts are attached to the device with the use of belts. To fix the vest correctly, pass the fastening belts through the holes in fastening loops. These loops can be found in the top part of the back support (Fig. 36) and in the back part of the seat, on the left and right side, behind the plastic covers (Fig. 37). The length of the fastening belts can be adjusted by passing the belts through fastening loops or through buckles which fix the belts to the vest. The adjustment of the mounting straps length can be done by pushing the straps through the mounting holes or through the mounting clampers of the vest.

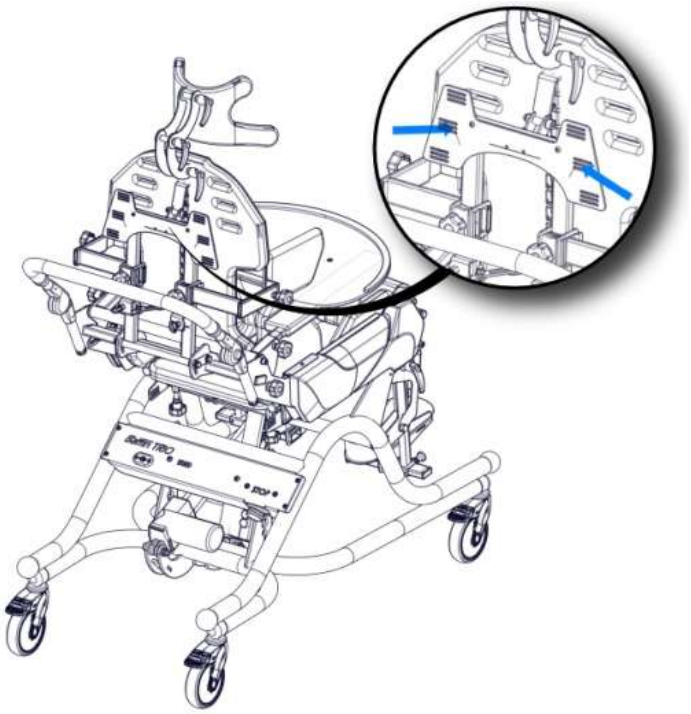

Fig. 36

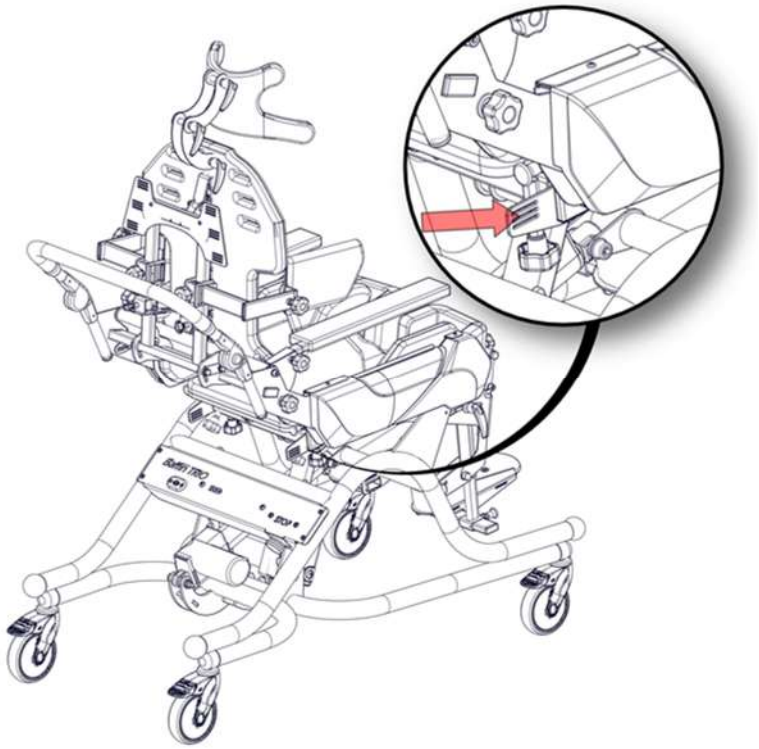

Fig. 37

The hip belts are being mounted from the back of the backrest (Fig. 38) and on the front, by being threaded through the mounting holes in the sheathing of the seat, beneath the upholstery (Fig. 39). The adjusting of the belt's length should be done by threading the straps through the clampers and mounting holes.

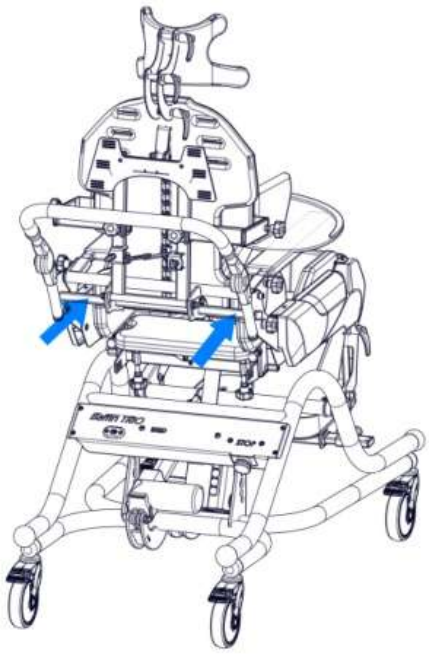

Fig. 38

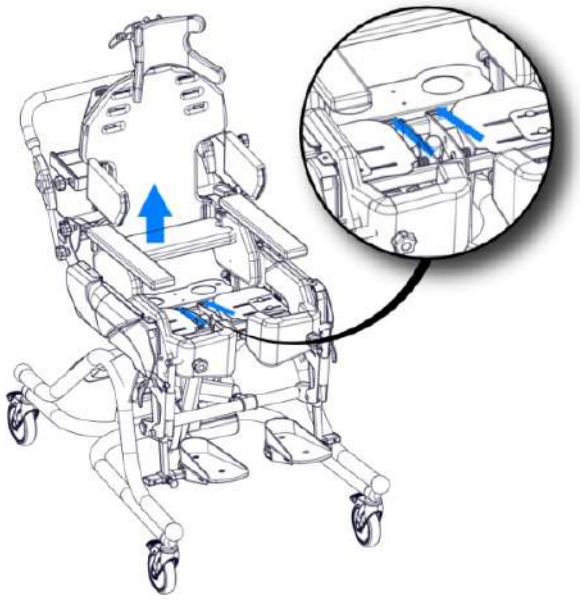

Fig. 39

ATTENTION! BEFORE POSITIONING THE PATIENT UPRIGHT, MAKE SURE THAT ALL THE BELTS ARE PROPERLY FIXED AND THAT ALL THE BUCKLES OF THE VEST AND HIP BELTS ARE CORRECTLY CLOSED.

12 Control panel

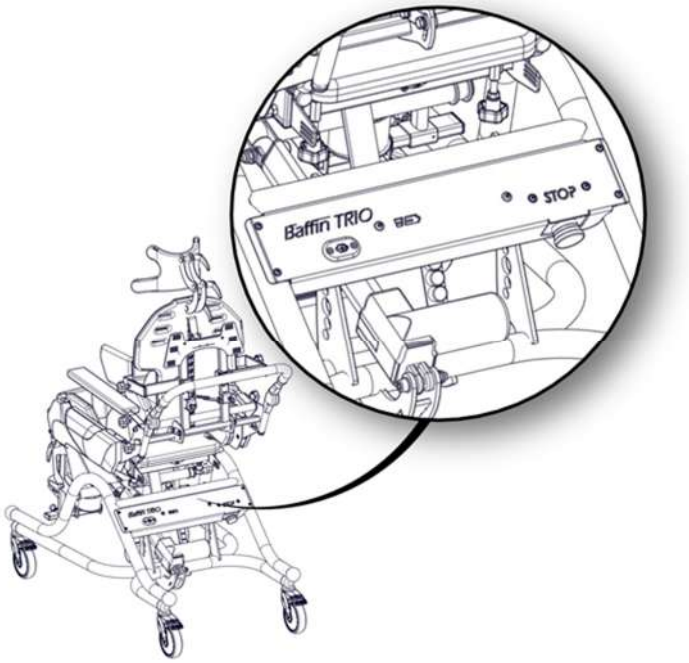

Fig. 40

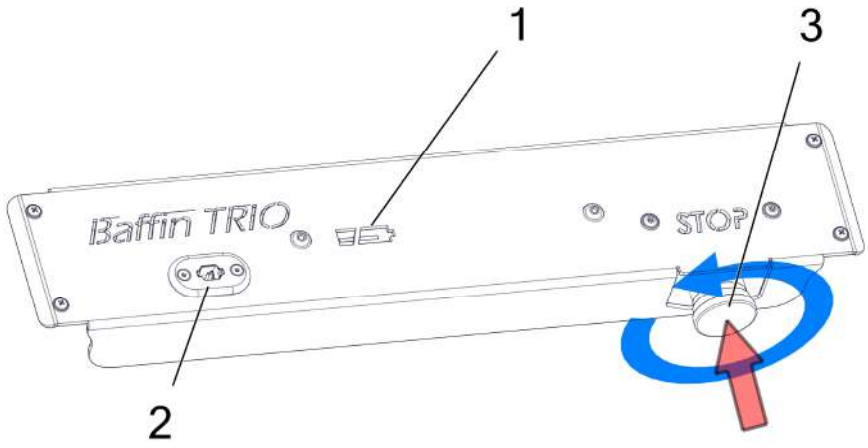

Fig. 41

At the back of the multifunctional device Baffin TRIO 4W there is a control panel (Fig. 40), which enables to:

- Observation of the battery charging level, by controlling the change of the control lamp color – (Fig. 41) the number 1 marker.
- Connection of the charger to the battery – (Fig. 41), power outlet number 2.
- Emergency stop of the device with the emergency switch, which cuts off the power source from the device – (Fig. 41) the switch marked by number 3.

ATTENTION! THE OPERATION OF THE REMOTE CONTROL COULD BE ADDITIONALLY BLOCKED BY PUSHING THE EMERGENCY SWITCH BUTTON JUST LIKE ON THE Fig. 41, MARKED WITH RED POINTER. IT IS ADVISED FOR ONE TO BE PRESSED DURING THE ADJUSTING THE PATIENT AND REGULATING THE DEVICE, TO PREVENT UNCONTROLLED MOVEMENT OF THE DEVICE. UNBLOCKING THE EMERGENCY SWITCH IS BEING DONE BY TWISTING THE BUTTON TO THE DIRECTION COUNTERCLOCKWISE.

13 Changing position

13.1 Changing position/verticalization

Baffin TRIO 4W is controlled by remote control. The user can be put into a standing position from a sitting or a lying position.

ATTENTION! THE USER CANNOT BE PUT INTO UPRIGHT POSITION UNTIL ALL THE ADJUSTMENT PROCEDURES ARE COMPLETED. SEE SECTION 5 ABOVE. CHECK THAT ALL THE ADJUSTING AND FIXING SCREWS ARE PROPERLY TIGHTENED.

ATTENTION! STABILITY OF THE DEVICE MAY BE AT RISK IN THE EVENT OF UNEXPECTED PUSH, TILTING OR LEANING ON IT.

ATTENTION! ENSURE THE FOLLOWING ACTION IS TAKEN BEFORE PUTTING THE USER IN THE UPRIGHT POSITION:

1. FIT THE CHEST BELT AND FASTEN ALL THE BUCKLES SO THAT THE USER IS PROPERLY STABILIZED IN THE DEVICE
2. PUT ON AND FASTEN LEGS ABDUCTION BELTS
3. ENSURE THE WHEEL BRAKES HAVE BEEN APPLIED
4. FASTEN THE KNEE SUPPORTS; CHECK THAT NO COMPONENT IS PLACING TOO MUCH PRESSURE ON THE USER'S BODY IN THE SITTING POSITION WITH THE KNEE SUPPORTS FASTENED
5. REMOVE ALL THE OBJECTS FROM THE TRAY
6. UNLOCK THE EMERGENCY SWITCH

13.1.1 Changing position from sitting into standing

After ascertaining that all the actions mentioned at the beginning of this chapter have been done properly, the verticalization can be conducted. To do so, the device should be plugged to the socket of power 100-240V.

Push the button on the remote control which is marked with the blues arrow (**Fig. 42**). If you want to return to the sitting position, push the button on the remote control which is marked with the red arrow.

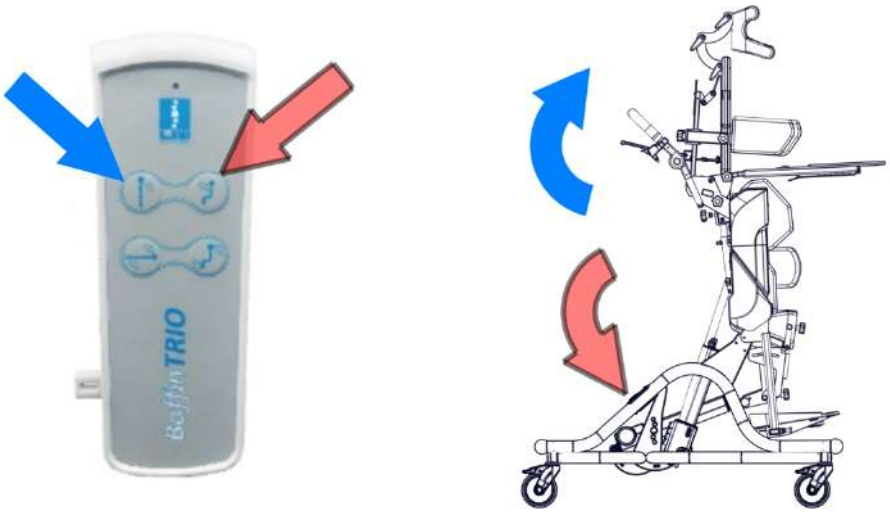

Fig. 42

ATTENTION! OPERATION OF THE REMOTE CONTROL CAN BE DISABLED BY PULLING THE PIN - SEE THE ELEMENT HIGHLIGHTED BY THE BLUE ARROW ON (Fig. 43) IT IS ADDITIONAL PROTECTION FROM THE UNWANTED USE OF THE DEVICE BY CHILDREN OR UNTRAINED PEOPLE.

Fig. 43

13.1.2 Changing position from sitting into laying

Push the button on the remote control which is marked with the blue arrow (**Fig. 44**) – the back support will start to recline/ bend down and the footrests will start moving up. Keep pushing the button on the remote control until the device is in lying position. The activity can be stopped any time to obtain various positions. To return to the sitting position, push the button on the remote control which is marked with the red arrow.

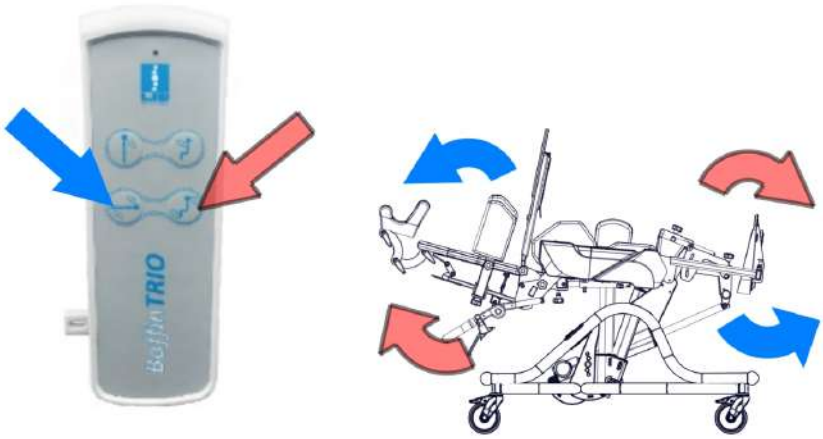

Fig. 44

The seat can change its position (standing, sitting, laying) in a smooth way for a maximum of 2 minutes. Then an 18-minute break is mandatory. This is a requirement of the actuator procedure.

ATTENTION! NOT FOLLOWING THE ABOVE ADVICE MAY RESULT IN PERMANENT DAMAGE TO THE SEAT.

14 Additional equipment

The Baffin TRIO 4W multifunctional device can be additionally equipped with:

1. Headrest
2. Tray
3. Battery
4. Foot platforms with heel supports
5. Spine interlock
6. Respiratory shelf

14.1 Headrest

Headrest is used to stabilize the head and keep it in the right position while sitting, lying or standing.

ATTENTION! THE HEADREST MUST BE USED WHEN THE PATIENT IS IN THE LYING POSITION.

14.1.1 Adjusting the headrest

To change the position of the headrest, loosen the adjusting knobs (Fig. 45), set the headrest in the required position and tighten the adjusting knobs.

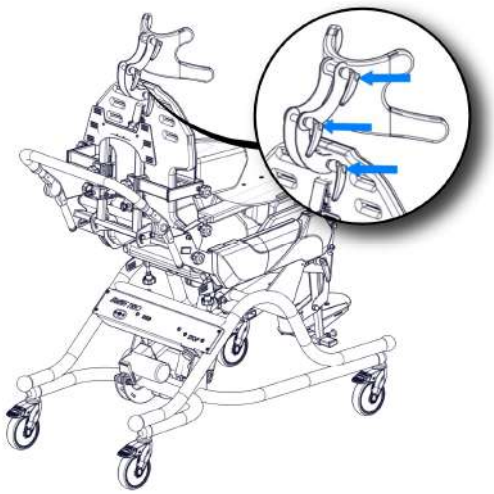

Fig. 45

14.2 Tray

ATTENTION! BEFORE FITTING, ADJUST THE SPACING BETWEEN THE HANDLES OF THE TRAY TO THE SPACING OF THE ARMRESTS. INAPPROPRIATE ADJUSTMENT MIGHT CAUSE THE TRAY TO BE UNSTABLE, DAMAGE THE DEVICE OR RISK AN INJURY TO THE USER.

14.2.1 Adjusting the width of tray handles

To adjust the width of the tray brackets to the spacing of the armrest, loosen the screws on the tray holders (shown in (Fig. 46), blue arrows), then slide or enlarge the tray holders to fit the spacing of the armrest, then tighten back the screws.

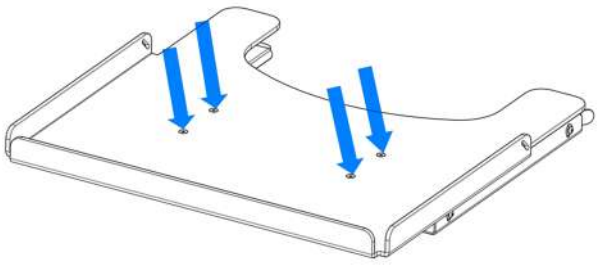

Fig. 46

14.2.2 Assembling the tray

To mount the tray on the device, pull back the setting pins located under the tray and then turn them 90 degrees. Then lean on top of the tray on the device armrests. The tray handles should be positioned so that they can be slipped over the armrests. Then slide the tray deep enough to give it a stable support. (Fig. 47). To prevent it from accidentally slipping out, unblock the setting pin by turning it 90 degrees and move the tray slightly to place the pin into the appropriate seat, then we will hear a characteristic click.

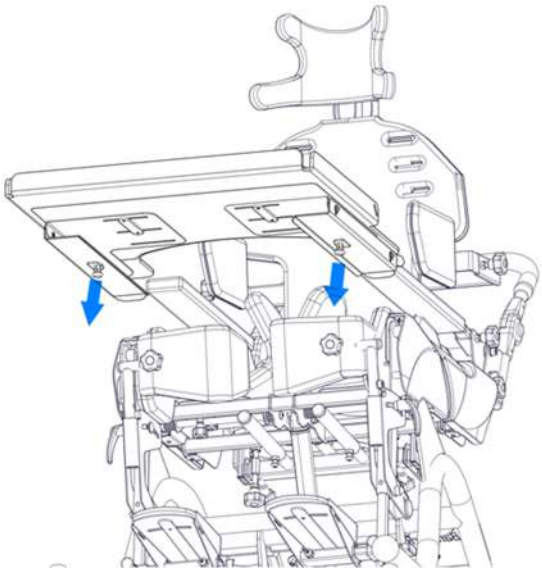

Fig. 47

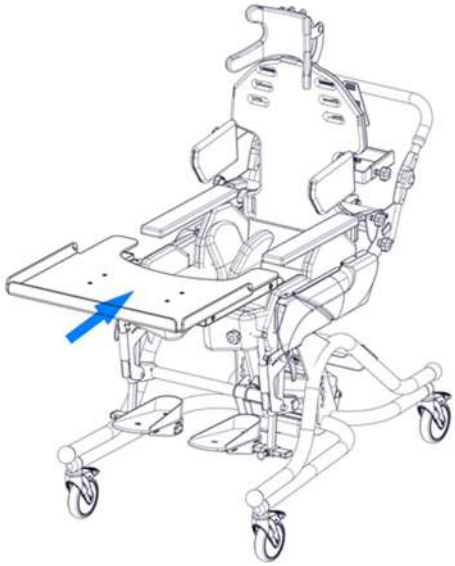

Fig. 48

14.3 Respiratory shelf

For special needs, the device might be equipped with a respiratory shelf. Shelf can be used for additional supporting devices that are not part of LIW care products. Shelf is mounted between the back frame legs of the device. Additional straps with buckles might be adjusted to attach different devices.

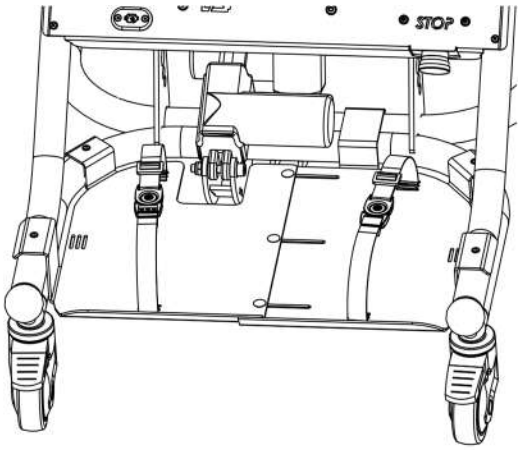

Fig. 49

14.4 Upholstery

The upholstery offered with the device can be made of breathable 3D fabric or wipeable fabric. They comply with Oeko-Tex Standard 100, which confirms the complete safety of the user (including children). The fabric used for the upholstery does not contain any harmful substances, e.g. pesticides, chlorophenols, formaldehyde, allergy-causing dyes, unauthorized azo dyes and extractable heavy metals. The Oeko-Tex Standard 100 mark is granted only to textiles whose ingredients are tested at every stage of production and receive positive results.

The upholstery made of breathable 3D fabric is removable and washable. Each piece has a zipper or snaps. Remove the foam filling before washing the upholstery. Do not wash with foam inside!

14.5 Battery

ATTENTION! BEFORE FIRST USE, THE DEVICE SHOULD BE PLUGGED IN TO THE POWER SUPPLY 100 – 240V TO UNLOCK THE ELECTRONICS OF THE BATTERY AND OBTAIN COMPLETE CHARGING OF THE BATTERY.

The battery is an individual power supply, which enables automatic control with no need to plug the device into the power supply. After discharging, the battery requires it to load again. On the casing of the battery, there is a diode which indicates the status of the battery during charging.

Charging mode (when system is plugged in to the power supply 100 – 240V):

- the diode is orange, constant, short light impulses with the 1s frequency – charging.
- The diode is green, monotonous light – the charging is finished, and the battery is full.

Low battery status is indicated by repetitive, short sound signals – which are reminders for plugging the device into the power supply 100 – 240V to charge the battery again.

The appearance of the first sound signal means that there is still 10-15% of energy remaining, which enables the device to finish the verticalization action and safely return the device to the starting position.

ATTENTION! AFTER THE APPEARANCE OF THE FIRST SOUND SIGNAL INDICATING LOW BATTERY STATUS, THE ACTION OF STARTING THE VERTICALIZATION SHOULD NOT BE TAKEN, BEFORE EARLIER PLUGGING THE DEVICE INTO THE POWER SUPPLY 100-240V.
IT MAY CAUSE A DANGER OF COMPLETE DISCHARGING THE BATTERY, SUDDEN STOP OF THE DEVICE AND IMPOSSIBILITY TO PUT THE STANDING FRAME BACK TO THE STARTING POSITION

Battery Technical data: Ion-lithium battery. Output parameters: 25.2V 1800mAh 45Wh.
Charger Technical data: impulse power supply. Input parameters: AC 100-240V 1.5A. Output parameters: DC 29V 2A.

ATTENTION! TO OBTAIN THE MAXIMUM OF THE DURABILITY, THE BATTERY SHOULD BE CHARGING AT LEAST ONCE A WEEK FOR MINIMUM TIME: 12H. AFTER DISCHARGING THE BATTERY, IT SHOULD BE IMMEDIATELY PUT TO CHARGING. KEEPING THE BATTERY IN COMPLETE DISCHARGED STATUS LEADS TO ITS PERMANENT DAMAGE. COMPLAINS CAUSED BY INAPPROPRIATE EXPLOITATION OF THE BATTERY WON'T BE TAKEN INTO CONSIDERATION.

14.6 Built-in-spine system lock.

The decision on assembling an additional built-in- 'spine' system lock should be made only by the person authorized by the manufacturer of individual devices for enabling vertical position after obtaining an accurate certificate. For the lock installation, knobs (two marked by blue pointers on (Fig. 50) should be loosened, and then the lock should be moved on profiles on devices back. After gaining the desired height of lock, knobs should be tightened. For lock adjustment, four screws should be loosened (four marked red pointers on (Fig. 50), then tightened to the main core, and finally blocked by tightening the screws.).

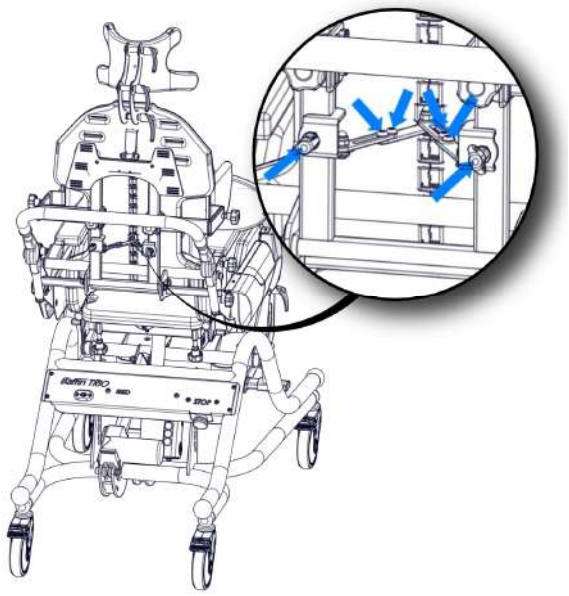

Fig. 50

15 Spare parts and consumables

The manufacturer does not provide for the replacement of components by the end customer. Repairs and replacement of components should be carried out by technically competent persons so as not to damage the equipment or pose a risk to life or health during replacement.

The equipment does not provide for the use of consumables in the sense of parts replaceable by the target customer. Contact your distributor or the manufacturer's customer service department for replacement parts. See the warranty and service section for contact information.

16 Troubleshooting

When the swivel wheels do not turn to turn, check that the swivel lock is not blocked.
When the swivel-wheel unit has difficulty moving, check that the wheels are not blocked by intermediate components or pedals blocking rotation or turning.
When the device does not respond to pressing a button on the remote control, check the battery to make sure it is fully charged.
When the device does not respond to pressing a button on the remote control and the device does not have a battery, check whether the device is plugged into an outlet.
Adjustments are described in the use and adjustment section.

17 Cleaning & maintenance

The Baffin TRIO 4W is made of powder coated steel and aluminum. Plastic covers and foam and sponge refills are attached to the metal construction. The foam is upholstered with textile covers. It is important that the equipment is kept clean regularly and maintained in accordance with these instructions.

Baffin TRIO 4W, just as any other medical device, should be kept with fair clarity and used following with the instructions for use.

17.1 Cleaning and maintenance recommendations

Cleaning should be carried out whenever the appliance has been excessively soiled. Clean the appliance with such frequency that the upholstered parts and the frame and other parts of the appliance are not hazardous to health.

- Clean paint coatings with a cloth dampened with water. The use of mild agents for cleaning household appliances is allowed.
- You should systematically look after the frame, remove dirt and mud from moving parts.
- Do not use aggressive cleaning agents. Possible corrosion or damage to paintwork.

Guidelines for washing 3D breathable fabric upholstery:

- Remove the foam inserts from the covers before washing.
- Wash the covers by hand or in a washing machine (tumble) at 30°C.
- Use detergent for delicate products in the amounts specified on the package.
- For children prone to allergies, use gray soap or special detergents.
- To remove excess water - use a short spin cycle, do not wring.
- Drying - hang to dry at room temperature. DO NOT TUMBLE DRY.

Guidelines for cleaning wipeable medical upholstery:

- Upholstery can be cleaned with moist damp cloth and a mild detergent.
- If any circumstances upholstery can't be cleaned this way it should be cleaned by disinfection with 25% ethanol.

ATTENTION! WHILE WASHING THE UPHOLSTERY COVERS, PARTICULAR ATTENTION SHOULD BE PAID TO THE VELCRO FASTENERS. TO PREVENT ANY DAMAGE TO THE UPHOLSTERY, ENSURE THE VELCRO FASTENERS ARE FASTENED DURING THE WASHING AND THAT THEY DO NOT COME INTO CONTACT WITH THE UPHOLSTERY.

ATTENTION! DO NOT WASH THE FOAM INSERTS.

The foam insert:

- Should be vacuumed mechanically or cleaned using a soft-bristled brush.
- Can be washed with a damp cloth and a mild detergent, then dried thoroughly at room temperature.

17.2 Disinfection

If the device is used by different people (e.g. in a rehabilitation center), disinfectants should be applied. For manual disinfection of metal and plastic parts of the product, INCIDIN PLUS in a concentration of 0.25% to 0.5% or similar disinfectant is recommended.

Please follow the manufacturer's instructions for use of the disinfectant.

ATTENTION! The device should undergo maintenance, performed by a qualified service technician, at least once a year (every 12 months). During maintenance, the safety of the device should be checked - the condition of the movable connections, snap-in and adjustment mechanisms should be checked. Periodic inspections of the device ensure long-term and problem-free operation.

ATTENTION! The device is not waterproof. Do not allow the device to come into direct contact with water. Use the device indoors at room temperature. Do not expose the device to direct contact with weather conditions.

17.3 Recommendations for maintenance

Devices should undergo regular inspections and maintenance activities listed in the table below to ensure long-lasting and trouble-free operation. If the user is unable to perform the following activities independently, they should seek assistance from a specialized medical equipment service center or contact the manufacturer's service directly. These activities are not covered under the current warranty and are performed at a cost.

Activity	Every day	Every week	Every month
Check the proper functioning of the wheel brakes	X		
Check the proper operation of actuators	X		
Check the proper functioning of verticalization system	X		
Check the fastening of the vest, abduction belts, and pelvic belts	X		
Visual inspection of structural elements (damage, cracks)	X		
Check screw connections (eliminate any looseness)		X	
Check the attachment of the footrests		X	
Visual inspection of the wheels			X
Check the proper all cable connections			X

18 Disposal of the product

If the user resigns from using the product, then he is obliged to dispose of the product in line with the environmental regulations.

He is obliged to disinfect the device, since the product which has not been disinfected in line with the environmental protection laws is hazardous.

Disposal of the product may be:

- Carried out by a company which is in possession of the credentials required to dispose of the devices.
- In case the product is scrapped, the plastic elements shall be disposed of separately from the metal ones, in line with the requirements.
- Should any questions arise, one should address them to the local authorities, waste disposal companies or to our maintenance department.
- The electrical components (drives, controllers, panels, batteries) shall be disposed of as electrical waste, in line with the WEEE directive.

19 Handling the device

Moving Baffin TRIO 4 W requires two people. The device base should be grabbed with both hands and lifted evenly, then moved to the destination point.

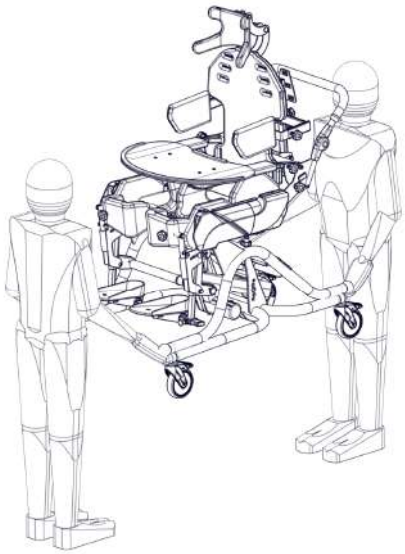

Fig. 51

ATTENTION! IT IS NOT ALLOWED TO MOVE THE DEVICE WITH THE PATIENT IS IN THE DEVICE.

The product is intended for use in buildings.
Necessary dimensions and weights of the device for handling and transportation, referred to in the technical data section.
Do not transport people in the device in motor vehicles such as cars, ships, airplanes.
Transport, handling and storage is best carried out on an empty folded product so that there is no damage to the product, other persons or the transporting vehicle.
Folding the device and how to remove components, if any, is discussed in the section on use and adjustment.

ATTENTION! During the use of the product, the product may change the temperature of the contact surface with the patient/user depending on the external heat sources to which it was exposed (e.g. sunlight)

The manufacturer does not intend to repackage the product except for service cases. It is recommended to keep the original packaging for warranty purposes. Pack the device in such a way that no additional damage to the product occurs during transportation by the supplier/courier.

ATTENTION!

The device can be stored/transported and used at temperatures between +16°C and +30°C and relative humidity between 10% and 60%; however, it is recommended that the device is stored/transported at room temperature and humidity.

If the device has been stored/transported in high ambient temperatures and has been exposed to direct sunlight, ensure that the device is at a safe temperature for use, i.e. the carer should check that the temperature of the device is not too high before the user has any contact with the device.

20 Service

Should you notice faults or defects, you should stop using the buggy immediately and contact your dealer or manufacturer. Defective units must be protected against enlarging the area of damage. Never attempt to disassemble or repair the product. Do not replace original parts with the ones coming from a source other than the manufacturer recommends.

If any defects or damage are noticed, stop using the device immediately and contact the seller or manufacturer. Protect a defective device to prevent the damaged area from expanding. Do not attempt to repair the unit yourself. Do not replace the original parts of the device with parts made by yourself or obtained from other sources than recommended by the manufacturer.

- If the user decides to discontinue the operation of the device, he is obliged to dispose of it in accordance with environmental regulations.
- The manufacturer determines the product life to be 5 years.
- The post-warranty service of the device is performed by the manufacturer.

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- Current address details are available at www.liwcare.pl.
- Terms of the warranty have been specified in the warranty card.

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