



SPECIAL NEEDS STROLLER

U R S U S TM



USER MANUAL





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!

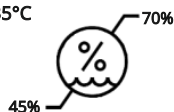
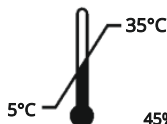
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Product marked with the CE sign is Class I medical device, of rule 1, consistent with the requirements of Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices.



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

Ultralight stroller **URSUS™** is designed for daily rehabilitation of children with locomotor disabilities. As far as its construction is concerned, the frame and seat are made of high-strength aluminum, and the chassis is additionally cushioned. **Ursus™** is equipped with **ClickClack©** feature, which means that you can easily swap the seats and adjust the stroller to the most suitable mode. The device has a wide range of adjustments such as width, seat depth, backrest height, backrest tilt angle, infinitely adjustable tilt-in-space function – **TILT-IQ©**, reversible seat. **Ursus™** has also been equipped with spatial, breathable upholstery that prevents excessive sweating as well as bedsores, and more to the point, positively influences the comfort of use. Moreover, the stroller can easily be converted into a lounger so that the child can sleep in it.

The product is available in 3 different sizes with a very wide range of accessories that will help you to meet the individual needs of user.

Remember to read this user manual carefully. You will find not only useful information but also guidelines regarding safe and effective use of the product.

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

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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 device.





1 THE PURPOSE OF USER MANUAL



The instruction manual contains basic information necessary to properly prepare the stroller before use, use the stroller, maintain and clean the stroller

This user manual should be kept in an easily accessible place. The manual is intended for people who look after disabled users, as well as for doctors and physiotherapists handling the stroller. Before using the stroller for the first time, the user (or caregiver) is obliged to familiarize himself/herself with the user manual.

2 INDICATIONS AND CONTRINDICATIONS FOR USE

These medical devices are intended for people with orthopedic, neurological and cardiological diseases and for people after surgery, with musculoskeletal dysfunctions, who have not acquired the ability to sit independently or who have difficulties in adopting and maintaining the sitting position.

Both for flaccid people with reduced muscle tone and for people with spasticity. The device can also be really useful for people who require long-term relief of one or both lower limbs. It is an irreplaceable aid in the rehabilitation process, both in terms of movement and social integration. The device is great help during everyday activities such as rehabilitation but also during playing, studying or having meals. The selection of the appropriate size of the device depends on medical indications and anatomical parameters, regardless of the age of the user.

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.

Contraindications for sitting

- Critical condition of the user;
- Paralysis;
- Deep sedation;
- Unstable fractures with specific orthopedic recommendations, including spine fractures;
- Untreated deep vein thrombosis;
- Hemodynamic instability;
- Identified brain dysfunction when sitting upright;
- Severe arthritis of the cervical spine;
- Pulmonary embolism;
- Recent myocardial infarction in the last 24 hours;
- Fresh postoperative wounds or non-healing wounds in the back area, pelvic girdle area, hip joints and thighs;
- Users with mental disorders should not be left in the device without the supervision of a caregiver.





3 GENERAL CHARACTERISTICS OF STROLLER

3.1 Standard equipment

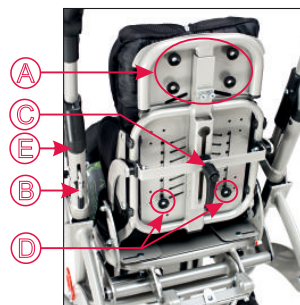
- | | |
|--|--|
| 1. Adjustable handle edged with leather | 9. Soft upholstery with spine load reducing and ventilating function |
| 2. Adjustable backrest | 10. Cover for folding mechanism |
| 3. Adjustable, removable seat | 11. Rear wheels equipped with inflatable TT tyres. |
| 4. Head support equipped with width adjustment | 12. Brakes for rear wheels |
| 5. 5 points belts | 13. Front PU swivel with direction blockade |
| 6. Adjustable side pelottes | 14. Front shock absorbers |
| 7. Safety rail | 15. Pump |
| 8. Footplate with 5 points feet stabilizing belts equipped with heel support | 16. Stroller frame |
| | 17. Adjustable pelvic pelottes |





Regulating knobs situated at the back of stroller:

- A. Knobs for adjustment of headrests
- B. Lever for adjustment of tilting function
- C. Knobs for adjustment of backrest tilt angle
- D. Knobs for adjustment of backrest height
- E. Elements of folding mechanism



3.2. Additional equipment

 <p>USS_001</p> <p>LED Lights</p>	 <p>USS_002</p> <p>Aid for moving patients AM-P</p>	 <p>USS_003</p> <p>Soft cover for tray</p>
 <p>USS_004</p> <p>Low head supporting panels</p>	 <p>USS_022</p> <p>TransFix© Transport Anchors</p>	 <p>USS_101</p> <p>Thigh abduction belts</p>
 <p>USS_107</p> <p>Pelvic belt</p>	 <p>USS_113</p> <p>Trunk stabilizing belt</p>	 <p>USS_114</p> <p>H Harness</p>
 <p>USS_121</p> <p>Head-neck support</p>	 <p>USS_124</p> <p>Loins support</p>	 <p>USS_125</p> <p>6 points safety vest</p>



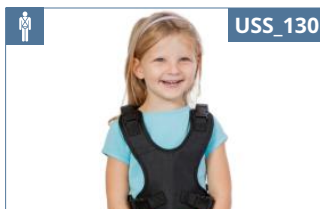
Trunk belt



Side supports



Abduction block



4 points safety vest



Firm headrest made of foam



Narrowing pads (set) 6 cm



Narrowing pads (set) 10 cm



Seat cushion BodyMap B



Cover frotte



Cover VisMemo



Aerating-massaging pad



Elastic cover



3D MESH cover



Backrest cushion BodyMap B



Sun umbrella





USS_403



Tray



USS_405



Folding canopy



USS_408



Rain cover



USS_409



Mosquito net



USS_410



Cotton headrest cover



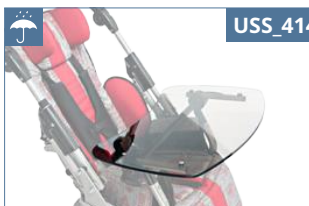
USS_411



Cup holder



USS_414



Tray Plexiglas®



USS_414



Wheels cover



USS_416



Summer footmuff



USS_417



Winter footmuff



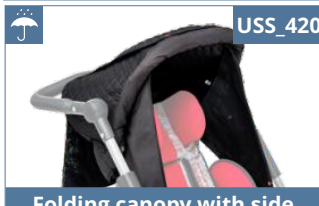
USS_418



Hood for winter footmuff



USS_420



Folding canopy with side covers



USS_429



Soft footrest cover



USS_442



Front wheel covers



USS_502



Bag DeLux





USS_501



Lady's bag



USS_504



Men's bag



USS_505



Under seat storage basket



USS_507



Pokrowiec na butlę tlenową



USS_509



Organizer bag



USS_601



Kid-sit Buggypod IO



USS_605



Rain cover for Buggypod IO



USS_607



Hi-Low Frame



USS_609



Active Frame



USS_615



Ursus seat



USS_623

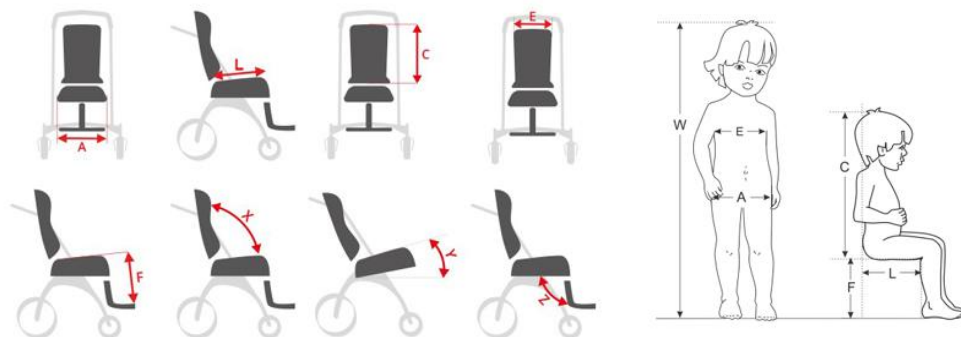


Quark frame





4 SIZE TABLE



Symbol	Measurement	Unit	Size 1	Size 2	Size 3
W	Indicative user height**	[cm]	80-100	100-130	130-150
A	Seat width	[cm]	19-25	22-30	24-34
B	Seat depth	[cm]	21-26	27-35	34-42
C	Backrest height	[cm]	44-55	49-59	55-67
E	Backrest width	[cm]	23	27	32
F	Footrests length	[cm]	13-29	16-40	16-43
	Footplate length	[cm]	20	20	20
	Push handle height*	[cm]	100	100	100
X	Backrest tilt angle*	[°]	90-180	90-180	90-180
Y	Seat tilt angle (stroller that is placed forwards)	[°]	3-20	3-25	3-30
Y1	Seat tilt angle (stroller that is placed backwards)	[°]	3-22	3-17	3-20
Z	Footrests tilt angle	[°]	90-180	90-180	90-180
	Maximum user weight	[kg]	35	35	50

Weight and dimensions of the device		Size 1	Size 2	Size 3
Width	[cm]	59	66	67
After folding width	[cm]	59	66	67
Length	[cm]	90	90	90
After folding length	[cm]	90	90	92
Height	[cm]	100	100	100
After folding height	[cm]	45	48	53
Weight	[kg]	19,5	21	22,5

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

Note: Approximate values, depending on the product configuration.

***Note:** In extreme positions the handle can collide with the backrest when changing its angle. In such cases, the handle should be lifted while it is being adjusted.

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





5 DESCRIPTION HOW TO ASSEMBLE STROLLER

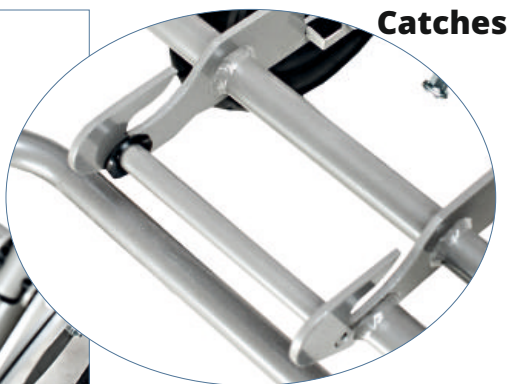
Remember that stroller needs to be assembled. Manufacturer cannot assemble this stroller due to transportation issues. We will give you stroller which needs to be mounted. It consists of 2 parts: frame and seat. In order to use the stroller please follow these steps:

STEP 1. Activate brakes (**look point 6.3.1, page 16**);

STEP 2. Place seat on stroller frame in a way that front seat's mounting bar (fig.2) (in case when stroller is placed backwards fig.4) or back seat's mounting bar (fig.2) (in case when stroller is placed forwards - fig.3) is placed in catches situated on stroller frame (fig.1). Next, it is necessary to press firmly seat until front or back mounting bar will make a sound "click";



fig.1



Catches



fig.2

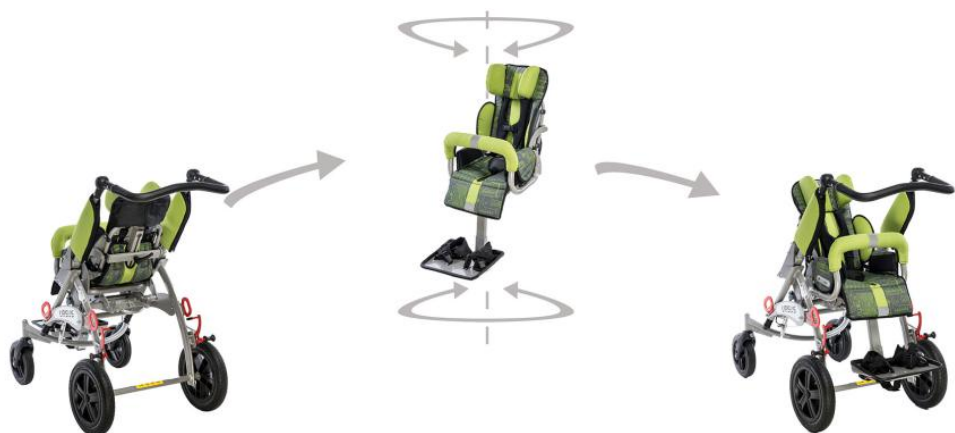
Back seat mounting bar

Front seat mounting bar





CAUTION! If you hear a “click”, it means that seat is correctly mounted. In order to check if seat is placed in a correct place, raise it upwards.



Stroller that is placed forwards

Stroller that is placed backwards

6 DETAILED DESCRIPTION HOW TO USE STROLLER

6.1. How to unfold stroller

Ursus stroller can be folded irrespective of whether seat is placed forwards or backwards. It is also possible to fold only frame but before it is necessary to remove seat (look point 6.5). It is recommended to fold stroller when seat is placed forwards

In order to fold stroller it is important to :

STEP 1. Remove rail (look point 6.10.1, page 25), activate brakes (look point 6.3.1, page 16), fold footplate (look point 6.4.2, page 17);





STEP 2. Put backrest as forwards as possible (the adjustment of backrest tilt angle - look point 6.8.2, page 24);

STEP 3. Stand behind stroller and pull upwards elements of folding mechanism which are situated on both sides of stroller frame until they are completely pulled out (fig.5);

STEP 4. At the same time: Push stroller handle forwards until stroller is completely folded (fig.6). Picture 7 shows how stroller should be folded (fig.7).



fig.5



fig.7



fig.6



CAUTION! Folding mechanism is situated under the cover which should be removed or moved upwards as much as possible.

CAUTION! Neither anyone nor anything can be placed on stroller While performing all this activities!





6.2. How to unfold the stroller

(perform all activities from point 5.1 the other way around)

In order to unfold stroller it is necessary to pull handle backwards until all side elements from front are blocked and stroller is completely unfolded (fig.8)



CAUTION! Make sure that all elements from folding mechanism overlap stroller frame and are completely blocked.

6.3. Brake, front wheel lock

6.3.1. There is a possibility to activate break. Press break lever (fig.9). Each wheel can be blocked independently. Brakes are painted red.

6.3.2. Stroller is equipped with front PU swivel with direction blockade (13). It is possible to activate direction blockade : pull catch and turn it in a way that the mandrel of catch is pulled out (fig.10).

Make sure that front wheels are seat towards the back of the stroller (look fig.8).





6.4. Footrest

6.4.1. **The adjustment of the footrest** should be performed with the aid of selector lever. Please follow these steps so as to adjust the footrest:

STEP 1. Turn the lever anti-clockwise (fig. 11);



STEP 2. Adjust the tilt angle of the footrest at your discretion and tighten firmly the lever. Turn the lever clockwise as long as needed (fig. 12);



6.4.2. Please follow these steps if it is necessary to change the tilt angle of footrest's plate:

STEP1. Loosen the fastening screws as well as strip situated under the footrest's place (fig.13);





STEP 2. Adjust the tilt angle of the footrest at your discretion

STEP 3. Lower the strip downwards as much as possible (fig.14) and then tighten firmly two fastening screws (fig.15);



fig.14



fig.15

STEP 4. Fasten the belt by means of Velcro tape that is situated under the footrest's plate (fig.16).



fig.16

6.4.2. It is possible to adjust the height of the footrest, please use Allen key so as to adjust it. Loosen two screws situated at the back of the footrest (fig. 17), adjust the height at your discretion and remember to tighten firmly the screws (fig.18).



fig.17



fig.18





6.4.3. Footrest is equipped with foot stabilizing belts which should be fastened criss crossed with the aid of Velcro tapes. It is possible to adjust the length of belts (fig.19,20).



fig.19



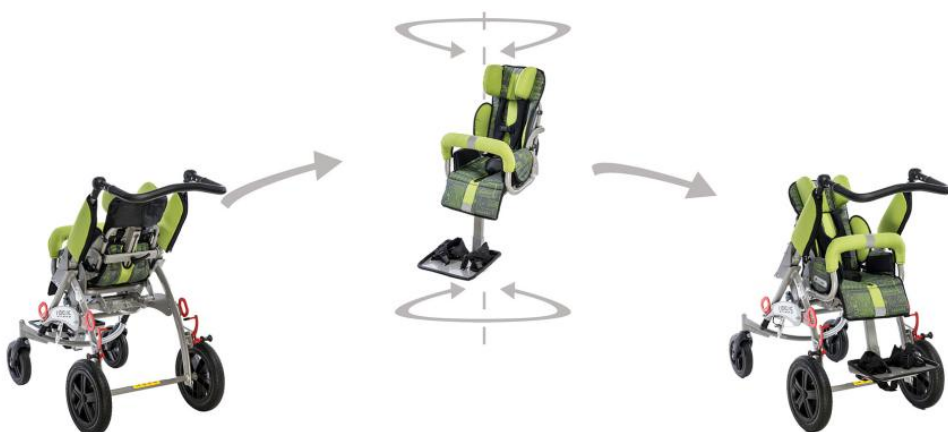
fig.20



CAUTION! Once the adjustment of tilt angle is done, it is necessary to tighten adjustable lever and screws which regulate the height of footrest.

6.5. Seat

Seat can be adjusted according to patient's needs. There are two possible ways: according to direction of stroller or the other way around, when patient is face to face towards care person.



Stroller that is placed forwards

Stroller that is placed backwards

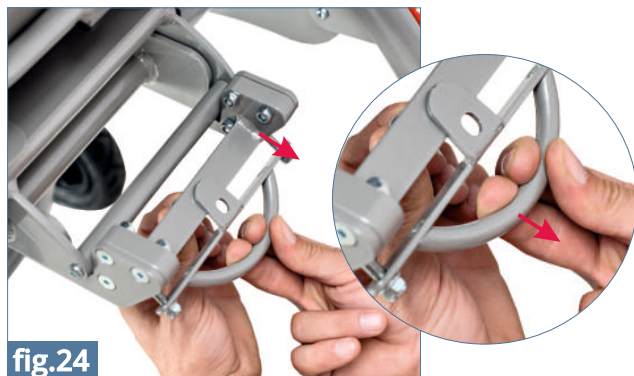
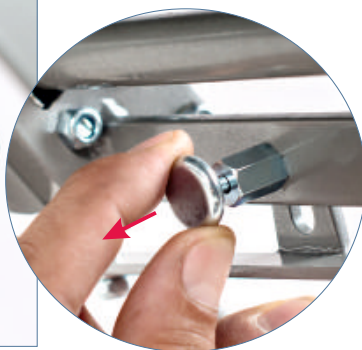


6.5.1. Follow these steps so as to rearrange seat:

STEP 1. Block brakes (**look point 6.3.1, page 16**);

STEP 2. Adjust the footrest angle in parallel with the seat (**look point 6.4.1, page 17**);

STEP 3. Pull the mandrel of catch that is situated under seat (fig.23) and at the same time pull handle that releases seat (fig.24). Next, push seat forwards (fig.25) thanks to which seat is released from catches;





STEP 4. Move seat upwards and turn it (fig.26);

STEP 5. Place seat on stroller frame in a way that back seat's mounting bar (fig.28) (in case when stroller is placed backwards) or front seat's mounting bar (fig.28) (in case when stroller is placed forwards - fig.21) is placed in catches situated on stroller frame (fig.27). Next, it is necessary to press firmly seat until front or back mounting bar will make a sound "click".



fig.26



fig.27

Catches



fig.28

Back seat mounting bar

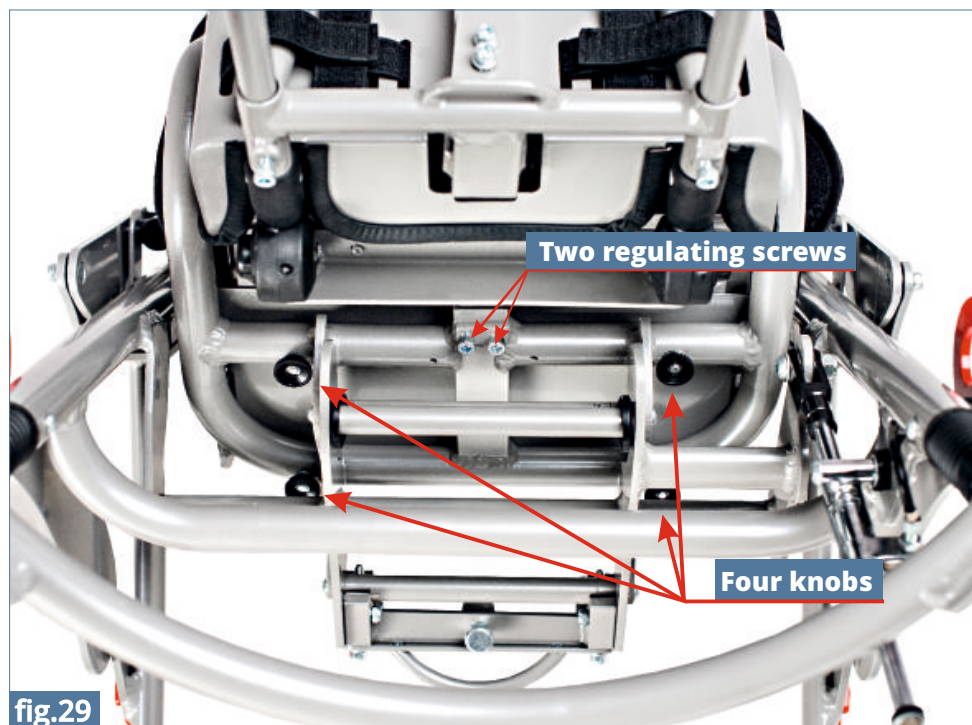
Front seat mounting bar

CAUTION! If you hear a "click", it means that seat is correctly mounted. In order to check if seat is placed in a correct place, raise it upwards.





6.5.2. It is possible to adjust the depth of seat: loosen two regulating screws and four knobs that are placed under seat. Adjust the depth at your discretion and tighten screws as well as knobs (fig.29).



6.5.3. Tilt-in-space adjustment

In order to adjust seat in tilt-in-space adjustment it is important to pull level upwards and simultaneously push seat forwards so as to adjust it at your discretion (fig.30); lever is situated at the frame of stroller. Next, release lever so as to block seat. **It is recommended to adjust seat in tilt-in-space min. 3° before you start using the wheelstroller.**





Maximum and minimum seat's tilt angle

6.6. Pelvic and chest pelottes

6.6.1. Backrest and seat are equipped with side pelottes which make it possible for patient to maintain correct posture. In order to adjust the arrangement of pelvic pelottes it is necessary to loosen two knobs situated under seat, adjust pelottes at patient's discretion and then tighten firmly knobs (fig.33).



6.6.2. As far as chest pelottes are concerned, it is possible to adjust their tilt angle. Chest pelottes are placed on frame with the aid of plastic handles. Side pelottes can be dismantled if necessary. If you wish to dismantle them, it is necessary to pull pelottes (fig.34)





6.7. Head support

6.7.1. Regarding head support, it is possible to adjust the arrangement of pelottes which makes it possible for patient to keep head in a correct position. Loosen knobs situated at the back of head support, adjust the arrangement of pelottes according to patient's needs and tighten knobs (fig.35)



fig.35

6.8. Backrest

6.8.1. Regarding head support, it is possible to adjust the arrangement of pelottes which makes it possible for patient to keep head in a correct position. Loosen knobs situated at the back of head support, adjust the arrangement of pelottes according to patient's needs and tighten knobs (fig.35).



fig.36

6.8.2. It is also possible to adjust the tilt angle of backrest. In order to adjust it, loosen knobs that regulates backrest's tilt angle (this knob is situated behind backrest) and turn it anticlockwise (fig.37). Next, adjust backrest at your discretion and tighten fastening element clockwise.



fig.37



CAUTION! In extreme positions the handle can collide with the backrest when changing its angle. In such cases, the handle should be lifted while it is being adjusted.





6.9. Adjustable handle

6.9.1. Press simultaneously two buttons on both sides of handle (fig.38) so as to adjust the handle position. Next, release buttons so as to block handle at chosen height.



fig.38

6.10. Safety rail

6.10.1 Stroller is equipped with safety rail thanks to which patient do not fell out. It is possible to dismantle this rail by pressing two buttons situated on rail's frame and pulling rail upwards (fig.39)



fig.39



CAUTION! After disassemble of the safety barrier, the special caps attached to the stroller equipment should be imposed in place of the safety barrier. Failure to comply with this instruction may result in an injury.





6.11 5 points belts

Stroller is equipped with 5 points belts which stabilize the patient and protect him/her from falling. Connect fastenings situated on vest's belts (fig.41) and insert them into clip from seat (fig.42) so as to fasten the belts. In order to undo vest it is necessary to press red button from clip and then take out fastenings.





CAUTION! Once 5 points belts are fastened, it is necessary pull them so as to check if:

- buckles do not become undone due to the pressure
- buckles do not move due to incorrect assembly
- buckles do not slide out of the fastening

6.12. Air pressure in tyres

It is highly important to maintain proper air pressure in front and back tyres.



CAUTION! The recommended air pressure is 1,5 Bar. You should always adhere to the recommended air pressure. Too low or too big air pressure in the tires may damage the stroller or cause an accident.

6.13 Wrench cover

When it comes to standard equipment, stroller is equipped with Allen wrench which is used for screw adjustment. Allen wrench is placed in special pocket at the upper part of backrest (fig.43)



fig.43





7 ASSEMBLY OF ADDITIONAL EQUIPMENT

7.1 **REF USS_502 DeLux Bag**

REF USS_503 Lady's bag

REF USS_504 Men's bag

Bags are very capacious and have a lot of useful pockets. There is possibility to attach them to the stroller or worn them on the arm thanks to the long adjustable belt.



fig.44



fig.45



fig.46

7.2 **REF USS_128 Abduction Block**

Abduction Block is fastened to seat by means of knob.



fig.47

7.3 **REF USS_126 Trunk belt**

The trunk belt can be easily cut to any length. In order to do that, you should:

STEP 1. Unfasten the belt from the back (pic. 48).



fig.48-1





STEP 2. Choose the appropriate length of the belt and cut it along the designated place (pic. 48-2, 48-3).



fig.48-2



fig.48-3

STEP 3. Fasten the ends of the belt using Velcro fastener (pic. 48-4). The belt should be mounted to the stroller around the backrest (pic. 48-5).



fig.48-4



fig.48-5

7.4 **REF USS_134** Narrowing pads 6 cm

REF USS_137 Narrowing pads 10 cm

Narrowing pads 6 cm and 10 cm help to adjust the seat width to the patient dimensions. Their attachment is possible thanks to the Velcro straps placed on the stroller upholstery (pic.48).



fig.49



fig.50





7.5 **REF USS_505** Basket under seat

Basket (fig.51) is mounted on frame under seat with the aid of belts with buttons (fig. 52, 53).



fig.51



fig.52



fig.53

7.6 **REF USS_402** Sun umbrella

So as to mount sun umbrella (fig.54) it is necessary to loosen clip and place it on handle's frame. Next, adjust proper position and tighten knob (fig.55). The adjustment of sun umbrella can be regulated with the aid of button which is situated next to clip (fig.56).



fig.54



fig.55



fig.56





7.7 **REF USS_411** Cup holder

So as to mount cup holder (fig.57) it is necessary to loosen clip and place it on handle's frame. Next, adjust proper position and tighten knob (fig.58). Cup can be mounted on frame in any place where handle's covers are applied.



7.8 **REF USS_405** Canopy without side covers

Please follow these steps so as to mount canopy:

STEP 1. Undo upholstery (fig.59) and put it on backrest in a way that backrest of stroller is visible.

STEP 2. Untighten two screws at backrest's frame on both sides of stroller (fig.60);



STEP 3. Tighten canopy's handle to holes from frame with the aid of screws which were untightened before. Picture shows how screws should be untightened (fig.61)





fig.60



fig.61

STEP 4. Put upholstery and do up zipper;

STEP 5. Undo zipper situated at the back of canopy;

STEP 6. Insert canopy's frames into two holes from backrest's upholstery (fig. 62) and fasten canopy into handles that were mounted in STEP 3 on backrest's frame (fig. 63, 64);



fig.62



fig.63



fig.64





STEP 7. Do up zipper (fig. 65), unfold canopy (fig.66-68).



fig.65



fig.66

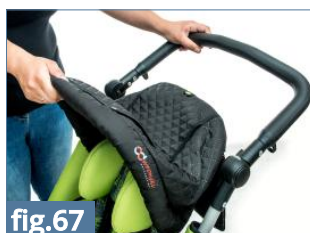


fig.67

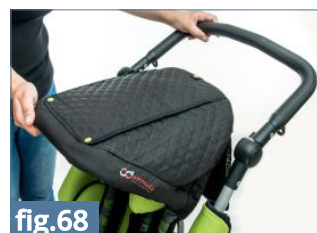


fig.68

STEP 8. It is possible to adjust canopy (fig.69-71) by pulling canopy down towards seat.

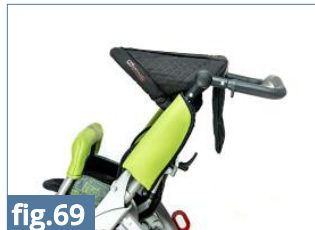


fig.69



fig.70



fot.71

STEP 9. Canopy is equipped with small window thanks to which it is possible to observe child. Roll outer cover, fasten it at canopy with the aid of catch so as to use this window (fig.72, 73).



fig.72

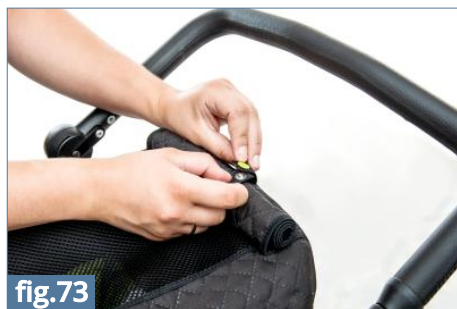


fig.73





7.9 **REF USS_420** Canopy with side covers

Please follow these steps so as to mount canopy with side covers:

STEP 1. Mount canopy on stroller and follow instructions presented in point 7.8 (look point 7.8, Canopy without side covers USS_405, page 31),

STEP 2. Side covers should be pulled under footrest so as that elastic belt from covers is situated under the seat (fig. 75);

STEP 3. Side covers are fastened to canopy with the aid of Velcro tapes (fig. 76);

STEP 4. It is possible to roll outer covers so as to leave only airy netting. If you wish to have this netting, please unfasten fastener that is placed at the bottom of cover (fig.77). Next, roll outer cover (fig.78) and fasten it by canopy



fig.75



fig.76



fig.77



fig.78





7.10 REF USS_114 H Harness

Please follow these steps so as to mount H harness:

STEP 1. Dismantle standard 5 points belts.

STEP 2. Upper belts from H harness should be inserted into grooves from H harness should be inserted into grooves from stroller's backrest (fig.79) and then insert them into clasps from backrest's back (fig.80) . Clasps should be firmly tightened on belts (fig.81).



fig.79



fig.80

Lower belts from H harness should be pulled through backrest and inserted into clasps (fig.82). Clasps should be firmly tightened on belts.



fig.81



fig.82

STEP 3. Vest is fastened by means of clamp which makes it possible to unfasten the patient quickly if necessary (fig.83). Vest is also equipped with grips situated by belts. These grips are used so as to adjust vest to patient's (fig.84).



fig.83



CAUTION! Before using the vest, it is essential to familiarize yourself with the safety rules contained in the instruction. Information on how to safely use the VEST can be found on the page 41 of the instruction. Improper use and not obeying the safety rules may endanger the user's health and life.





7.11 REF USS_114 6 points harness

Please follow these steps so as to mount 6 points vest:

STEP 1. Put vest on the patient and then zip up both zipper and clamp situated at the front of the vest (fig.85-88); Adjust vest with the aid of Velcro tapes situated at the back of the vest (fig. 89, 90)



fig.85



fig.86



fig.87



fig.88



fig.89



fig.90

STEP 3. Mount vest on the stroller in the same way as H harness is mounted (look point 7.10, H harness , STEP 1-2, page 35);

STEP 4. Fasten vest to stroller with the aid of circumferential belt. This belt should be pulled behind stroller's backrest and fastened at the front of the vest (fig. 91-93).

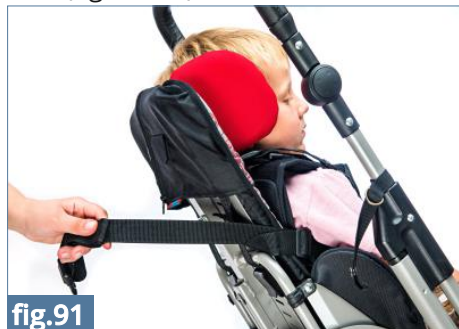


fig.91



fig.92





fig.93



CAUTION! Before using the vest, it is essential to familiarize yourself with the safety rules contained in the instruction. Information on how to safely use the VEST can be found on the page 41 of the instruction. Improper use and not obeying the safety rules may endanger the user's health and life.

7.12 REF USS_403 Tray

Please follow these steps so as to mount tray:

STEP 1. Dismantle safety rail (**look point 6.10, page 25**);

STEP 2. Put tray in a place where safety rail was mounted. Remember that buttons placed on tray's pipe should be inserted into frame (fig. 94);



fig.94

STEP 3. It is possible to adjust the tilt angle of tray's top. Loosen lever situated under the top and then turn it anticlockwise (fig. 95,96). If the tilt angle of tray's top is adjusted, remember to screw firmly lever and turn it clockwise



fig.95



fig.96





7.13 **REF USS_408** Rain cover

Rain cover (fig.98) should be situated in a place where either canopy without side covers (USS_405) or canopy with side covers (USS_420) were mounted before.

Please follow these steps so as to mount rain cover:

STEP 1. Put cover on canopy and stroller, including footrest (fig. 98, 99). It is really important to make sure that window in canopy is situated ahead of the patient



fig.97



fig.98



fig.99

7.14 **REF USS_130** 4 points safety vest

Please follow these steps so as to mount 4 points safety vest:

STEP 1. Mount vest on the stroller in the same way as H harness is mounted (look point 7.10, H Harness, STEP 1-2, page 35). Vest is equipped with grips situated by belts. These grips are used so as to adjust vest to patient's measurements.



CAUTION! Before using the vest, it is essential to familiarize yourself with the safety rules contained in the instruction. Information on how to safely use the VEST can be found on the page 41 of the instruction. Improper use and not obeying the safety rules may endanger the user's health and life.





8 THE USE OF STROLLER



CAUTION! URSUS™ stroller 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 **URSUS™** stroller!

8.1. 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!





8.2. How to use stroller

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;
 - 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.
3. It is essential to hold stroller with the aid of handle during using it otherwise stroller can roll.
4. Remember to place stroller forwards
5. In case of any obstacles such as step or curb, it is necessary to raise front wheels by pressing the handle down . Next, place front wheels on step and then raise back part of stroller with the aid of handle.



CAUTION! Before the product is used, it is highly necessary to make sure that all belts as well as safety equipment are correctly fastened as well as adjusted. What is more, check if they do not become undone due to the pressure and, moreover, make sure that clampings 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.





8.3. How to use vest



The vest provides posture support for wheelchair users as well as patients sitting in positioning chairs or other rehabilitation seats. When properly used, the vest allows the patient to adopt the correct sitting position for a longer period of time. The design and shape of the vest make it possible for the patient to be free to move their upper limbs within the constraints of the patient. **If the vest is not used properly, it can pose a serious threat to the health and life of the patient!**

Possible threats incident to the use of the vest:

- 1) **If the lower vest straps are fastened too loosely, there is a risk that the vest will move upwards to the patient's neck, making it difficult to breathe** – always check the tension of the straps and set them in such a way that the lower edge of the vest is located near the lower abdomen of the patient.
- 2) **In a situation when the patient slips off the seat, the upper edge of the vest covers the patient's neck and blocks the trachea, making it difficult to breathe** – it is therefore necessary to ALWAYS use the accessories stabilizing the patient's pelvis, such as a pelvic belt, thigh abduction belts or an abduction block.
- 3) **There is a risk that the upper straps of the vest will press the patient's neck, blocking the trachea and making it difficult to breathe.** This might happen if the patient's body is improperly secured in the seat or stroller – it is then necessary to use the optional accessories of these devices and stabilize the patient's body using the lateral supports. If there is no possibility to use such accessories with the device and the patient's body cannot be properly stabilized, the device should be replaced with the one having such an option.
- 4) **The vest is fastened too tightly to the backrest and as a result the patient cannot breathe easily** – in this case the vest should be loosened in such a way that it is possible for the caregiver to insert a straightened hand between the vest and the patient's body. If, however, we want to stabilize the patient's body properly, we should use a dynamic orthopedic vest, e.g. a Flex-point vest, which does not cause the breathing difficulty for the patient.





Instructions for the proper use of the vest:

- 1) Make sure that the patient is sitting in the best possible position:
 - in the middle of the seat,
 - deeply in the seat in such a way that the patient's lumbar spine rests against the backrest.
- 2) Secure the patient's pelvis with, for example, a pelvic belt, thigh abduction belts or an abduction block.
- 3) Make sure that the side supports of the device, if used, are set in the correct position. It is required that the patients with the poor trunk control use the side supports. The side supports limit the lateral movements of the patient's body, which could lead to the compression of the vest straps on the neck of the patient.
- 4) Secure the vest:
 - fasten and adjust the lower straps of the vest, so that the lower edge of the vest is located near the lower abdomen of the patient,
 - fasten the horizontal strap of the vest (if present),
 - fasten the shoulder straps of the vest,
 - check if the buckles of the vest do not open under pressure.
- 5) Check the patient's position:
 - make sure that the vest cannot move by itself towards the patient's neck,
 - make sure that you can insert a straightened hand between the vest and the patient's body.

To prevent injuries and to minimize the risks associated with the use of the vest, the following rules should be followed:

- 1) The position of the vest **MUST** be checked each time after putting the patient in the seat.
- 2) Special attention should be paid to protecting the patient from falling forward, slipping off the seat or lifting the pelvis. The vest **MUST** be used with the accessories which will secure the patient's pelvis at all times (e.g. the pelvic belt, thigh abduction belts or the abduction block). The use of the vest cannot be considered separately but as a part of a general posture support system including supports such as pelvic belts, foot support, torso stabilization, thigh abduction belts, tilt-in-space position and reclining backrest.
- 3) Special attention should be paid to ensuring that the entire foot of the patient has stable support. If the device is not equipped with a foot support, the patient's feet must rest firmly against the ground.





- 4) It should be remembered that any change of the inclination angle of the backrest, seat, foot support or tilt-in-space function might affect the effectiveness of the belts and supports!
- 5) Special attention should be paid to the use of stabilization elements or side supports. If the patient has poor trunk control, the side supports will limit the lateral movements, which could lead to the compression of the vest straps on the neck of the patient.
- 6) The mounting of the vest and adjusting it to the patient can only be carried out by a suitably trained person, who is familiar with the instructions for the use of the vest and the rules of its safe use.
- 7) Do not make any repairs or modifications to the vest on your own. In order to repair or replace any part of the vest, please contact the manufacturer.
- 8) Do not use a damaged or incomplete vest, as this poses a serious threat to the health and life of the patient!
- 9) Do not leave the patient in the device unattended!
- 10) The correctness of the use of the vest should be particularly controlled in accordance with the recommendations in case of children, patients with impaired memory or mentally ill.
- 11) Make sure that all people taking care of the patient are familiar with the rules of the safe use of the vest.

How to care for the vest:

The vest works effectively only if kept clean and maintained in accordance with the manufacturer's instructions. Before each use of the vest, check whether:

- 1) The vest straps are not frayed or worn. If so, have them exchanged for new ones,
- 2) The vest straps are not attached to the wheels of the device,
- 3) The buckles are not damaged. If so, have them exchanged for new ones,
- 4) The Velcro fastening holds firmly. If not, remove any dirt or hair from the Velcro, or have it replaced with a new one,
- 5) There have been no changes in the patient's height or weight from the moment the vest was adjusted to the patient,
- 6) The shoulder straps of the vest are adjusted so that they are not too loose or too tight,
- 7) The vest should be cleaned regularly with the use of warm soapy water and dried out of the direct sunlight and other sources of heat. The vest must always be dry before usage.

If you have any doubts or questions about the use of the vest, please contact your doctor or physiotherapist.





9 SAFETY RULES



CAUTION! URSUS™ stroller 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 stroller 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 stroller for different purposes that it is intended to.
3. It is forbidden to use stroller when it is damaged or any part is missing.
4. It is forbidden to leave the patient unattended.
5. Stroller should be used only when there is someone who is trained and knowledgeable.
6. It is forbidden to leave stroller 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 is important to engage brake during getting into and getting out the stroller.
9. Make sure that all limbs are not close to spokes or other adjustable elements.
10. Please pay your attention when approaching to sources of fire or sources of high temperature during using the device. Moreover, stroller shouldn't be stored in rooms with high humidity.
11. Secure stroller 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.
12. Before using the stroller, remove all paper and plastic packaging. The packaging is not a toy! Keep away from children and animals.



Incorrect product adjustment can lead to such side effects as fainting, body deformities, joint overload, etc. If the abovementioned symptoms occur, stop using the product immediately, take the user out of the product and lay them down. If the undesirable symptoms persist, contact a physician immediately. If the symptoms have disappeared, inform the attending physician about this fact in order to make a decision about the further rehabilitation process.

It is forbidden to place the patient in the device while being in car, bus or train.

The product contains small parts which children may swallow.

Do not use a product that has any signs of damage, tearing or wear. Only an undamaged product and proper use guarantee its right and safe working. If the product is damaged, discontinue use and contact the manufacturer.





Under no circumstances should an unqualified person repair or alter the product and its construction, as the health and safety of the user depend on it as well as it will lead to the loss of warranty.

Remember that all the loads hung on the push handle may cause the stroller to lose its balance.

The weight of user should not be bigger than maximal weight described on page 12 where you will find information regarding this issue.

Serious incidents involving this device should be reported both to manufacturer and to the competent authority in your country.

10 TERMS OF WARRANTY

- 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 **48 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 Sp. z. o. o** customer service (ph. +48 17 864 04 70)





11 MAINTENANCE AND CLEANING

Stroller 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 stroller 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 wheelstroller 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 product's leaflet.





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 wheelstroller 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.





TECHNICAL INSPECTION

Technical inspections should be performed regularly. Before servicing, the product should be thoroughly cleaned to reveal any hidden damage.

Frequency	What should be checked? What should be done?		Remarks
Before each use.	General condition of the product.	Check: <ul style="list-style-type: none"> the entire product for any visible damage, cracks or mechanical defects,, if the product complete, if all bolts, screws, knobs, nuts and other elements of the construction are complete and tightened.. 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Wheels and brakes.	Check: <ul style="list-style-type: none"> if the wheels are properly mounted and if they are not damaged, if the brake is blocking the spinning wheel, if the wheels are not dirty. If necessary, clean the wheels. 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Fastening of the construction elements.	Check all the mechanisms of the product and its moving parts. Check in particular: <ul style="list-style-type: none"> if the seat is properly mounted (if applicable), if the wheels are properly mounted (if applicable), if the elements securing the user are properly mounted and if they work well (if applicable), if all the moving parts are complete, work properly, do not jam, if the adjustment mechanisms of the following elements work properly (if applicable): headrest, backrest, seat, abduction block, armrests, footrests. 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Upholstery elements.	Check: <ul style="list-style-type: none"> if there is any damage, tears, rips, loose seams or deformations on the upholstery elements, if the stabilizing straps, vests or safety belts are not frayed or twisted and if the buckles work properly, if the stabilizing straps, vests or safety belts work correctly and do not unfasten under pressure or when pulled. 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
Once a week.	Product cleaning.	If the frame and upholstery get dirty (dusty, muddy, etc.) during everyday use, wipe them with a damp cloth without detergents. Remove dirt (e.g. hair, food remains, etc.) from the moving parts of the product.	The product should be cleaned when necessary, but at least once a week. Do not use any chlorine based cleaners or methylated spirit. Before using the product, check if the upholstery is dry.





Frequency	What should be checked? What should be done?		Remarks
Once a month.	Wheel axles, quick connectors (if applicable).	Check: <ul style="list-style-type: none"> if the wheels are rolling and if they are not loose. To maintain the wheels, apply a small amount of a preservative-lubricant between the axle and the wheel hub. Check if you can easily remove and attach the wheels. 	Clean the wheels when dirty. In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Product construction connectors (welding, threading, soldering)	Check: <ul style="list-style-type: none"> the condition of the product frame in the places of joining (welds, threads, soldering). 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Tires/innertubes (if applicable).	Check: <ul style="list-style-type: none"> tire wear condition. Check for visible damage. Check tire pressure (if applicable). 	If the tire pressure is too low, inflate them to the correct level. In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
Once every 6 months.	Construction moving parts.	Check: <ul style="list-style-type: none"> if the moving parts of the construction have not been damaged. Maintain them using a proper cleaning agent. 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Product labeling.	Check: <ul style="list-style-type: none"> if the marking and labels are readable. 	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
After the life time of the product finishes.	Detailed product check.	Check the product.	The manufacturer specifies the life time of the product, which is given in the user manual. After the given period, the user may use the product only if it is sent back to the manufacturer to be checked first. After that, the manufacturer will re-define the life time of the product and the date of the next check.

The list of all spare parts is available for download after selecting a product on www.akces-med.com.





12 LABELLING

12.1. 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
			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.

12.2. Example of identification plate

QR code - after scan you are directed to the website of the product

Producers address

Name of product in Polish

Name of product in English

Date of production

Maximum allowable product loading

Labeling - look above

Serial number in the form of a bar code

Serial number

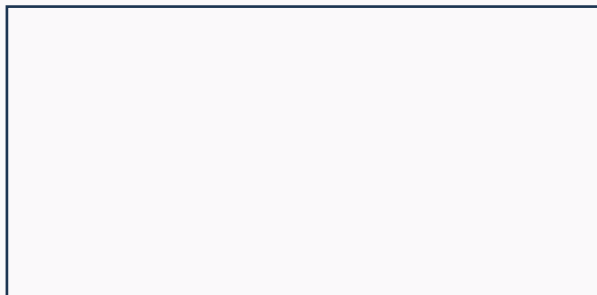


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