

# ICON 60

*Active wheelchair*



CE

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## 1. General information

Dear customer,

Thank you for choosing our ICON 60 wheelchair. We are sure that the quality, durability and design of the stroller will not disappoint your expectations. This manual contains a description of the medical device and important tips to ensure the correct and safe use of the product. Please read these instructions carefully. It is particularly important to familiarize yourself with and comply with these safety requirements.

REHASENSE® is constantly developing its products and reserves the right to change product specifications and functions without notice.

The ICON 60 wheelchair cannot be used as a moving vehicle option (such as private cars, buses, trains, subways, etc.). For detailed information, please refer to the "transport recommendations" chapter.

By queries please contact your dealer or **REHASENSE®** directly. The contact data is located on the last page of this manual.

## 2. Intended use, indications & Contra-indications

**Intended use:** The manual wheelchair is a medical device indicated for use by persons with limited motion abilities who are unable to stand, walk and/or seat independently. It is dedicated for transportation and moving of such people in sitting position. Users can move with the wheelchair independently or with a help of an Attendant. The chair can be used indoor and as well as outdoor on different surfaces (asphalt, concrete, stone and gravel) in good weather conditions. Any other use is prohibited.

**Indications:** The device is specifically indicated for individuals who (because of the wide variety of possible health problems) are unable to stand and/or walk and so they need a transportation device to maintain some or all daily tasks.

**Contra-indications:** This type of wheelchair must not be used by persons with flaccid paralysis or other diseases that cause serious body control problems. Such persons require special wheelchairs designed for an extra stable support of the User body. The need and possibility of usage of an **ICON 60** wheelchair should be always estimated as indicated by a physician or a physical therapist. The manual wheelchair is a medical device indicated for use by persons with limited motion abilities who are unable to stand, walk and/or seat independently. It dedicated for transportation and moving of such people in seating position.

### Additional information

The **ICON 60** wheelchair has passed all necessary tests and it is in conformity with following European Standards: PN-EN 12182; PN-EN 12183; PN-EN 1021-1; PN-ISO 7176-1,3,5,7,8,15.

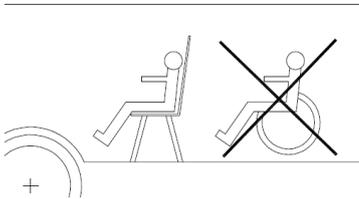
It has the CE marking. Upon a correct usage of the wheelchair we foresee its failure-free work for years.

## 3. Safety Warnings & Recommendations

- The **ICON 60** must not be loaded with more than 120 kg
- Make sure that this User manual is read by all persons using the device. The manufacturer doesn't take any responsibility for damages and/or injuries, caused by the fact that the User manual has not been followed.
- Use the product only in good technical condition.
- Use the device only for the purpose it is intended for.
- Avoid making constructive changes on the device unless you have the manufacturer's written acceptance for such modifications.
- During different adjustments which are possible on the device the User must take care not to squeeze fingers or other body parts between two moving elements of the device
- All wheels should ALWAYS be in contact with the floor during use. This will ensure the device is properly balanced and should avoid incidents.
- When using the wheelchair in a stationary position, the hand brakes MUST be locked
- If defects or errors are detected, you must immediately contact your dealer.
- Follow the instructions and warnings on all product labels.
- The device must only be used on a stable surface.

- Avoid skin burns during usage of the chair in direct sunlight. Various parts of the product might become hot.
- It is not recommended to use the wheelchair on sand, in mud or in extreme weather conditions.
- The attendant of a wheelchair User should be in good shape.
- Do not remove by yourself any parts or accessories of the wheelchair. It may influence product's stability and rigidity.
- Do not place the device near to the sources of heat or fire (fireplaces, ovens, heaters, stoves). It is not recommended to smoke cigarettes when seated on the wheelchair, it is not fire resistant.

## WARNING!



The wheelchair is not designed as a seating option for a User in moving vehicles (like e.g. buses, trains, metro, airplanes etc.). It is forbidden to seat on the wheelchair in moving vehicle. The wheelchair should be safely stowed and secured for the time of transportation. The wheelchair User should be safely transferred and seated in a prompt seating system included in the vehicle. It is a great risk of serious incident, injuries and property damage to not follow above rule.



The design of the wheelchair because of its functions includes many moving elements, slots, holes and gaps between device's parts. There is a risk of body part trapping during folding, unfolding and adjusting different elements of the wheelchair. It specially concerns fingers or hands. It is also possible to have a finger cut by moving parts of the device. Always be careful when you adjust or set up a chair to not get your body parts squeezed and injured.

IF ANY SERIOUS INCIDENT OCCURES IN RELATION TO THE DEVICE PLEASE CONTACT YOUR DEALER OR REHASENSE DIRECTLY (contact details at the end of the user manual). The immediate actions should be taken according to the requirements of Regulation of the European Parliament and of the EU Council 2017/745 on medical devices of April 5, 2017.

## 4. Product's General Description

The ICON 60 active wheelchair comes standard with: parking brakes, footrest, side covers, upholstery and is equipped with drive wheels and front swivel castors. The active wheelchair is mainly made of powder-coated or anodized aluminum, resistant to corrosion. For some adjustments you will need some standard tools available in all hardware stores.

The wheelchair provides comfortable transportation and storage thanks to its solid cross frame structure, easiness of maneuvering, easy transfer in and out of the wheelchair.

The wheelchairs are supplied in cartons, detached into few elements for easier transportation

For standard equipped active wheelchairs every package includes:

- 1 main frame with foldable, upholstered backrest and seat, 2 side covers, 2 adjustable, swiveling forks with front self-driving wheels, 1 footrest.
- 2 drive wheels, 2 quick-release axles,
- 1 seat cushion,
- 1 user manual,

A set of delivered additional equipment depends on order specification.

The ICON 60 wheelchair consists of:



Above photo shows an example of wheelchair with all standard components and their position. The exact appearance of your wheelchair and its features may differ from those shown above (depending on order specification), but their names, functions and locations remain the same.

**Optional equipment:**

The wheelchair, depending on the version, can be equipped with several different types of front self-propelled and rear wheels, vertical or horizontal brakes, adjustable footrests, armrests, side covers with fenders, seat cushion, different back heights with smooth inclination, foldable push handles.

**Wheelchair assembly:**

We recommend the wheelchair to be assembled and set up by a professional before it is delivered to the end User.

- Take all the chair's elements from the box and check if all components are included according to your order specification. If you discover that some part is missing or damaged, do not continue the assembly process but contact your dealer
- Detachable components such as rear wheels, armrests and all additional equipment should be attached and adjusted in accordance with the information included in this User manual

**Folding and unfolding the wheelchair:**

Unfolding: Insert the quick-release axles through the holes in the rear wheels (1), then mount the wheels and axles in the mounting holes on both sides of the wheelchair (2), lock the brakes on both sides of the wheelchair on the rear wheels (3), pull down and hold the backrest line (4), while unfolding the backrest (5), to upright position, attach the cushion to the seat (6).



Folding: it is the opposite of unfolding.



## 5. Usage

### Lifting the wheelchair

The wheelchair with a load should only be lifted behind the rear axle and side frames marked in the drawing below:



**WARNING!** It is forbidden to move the wheelchair with a load by the footrests, armrests or folding handles (option).

### Techniques to get in and out of the wheelchair

Teaching techniques of transferring the User must be done under the strict supervision of qualified staff. We only present our recommendations below.



### Transferring the User from the wheelchair to the bed

The User should face the bed without regard on the fact if the other person helps or not. Drive the wheelchair as close to the bed as possible and ensure, that front wheels are facing towards. Pull the brake, lift the armrests / side panels on his side of the wheelchair, on which the transfer to the bed will take place



### Transferring the User from the bed to the wheelchair

The User should face the bed without regard on the fact if the other person helps or not. Drive the wheelchair as close to the bed as possible and ensure, that front wheels are facing towards. The Attendants should use mainly the strength of muscles of legs to draw the wheelchair on stairs avoiding the excessive bending down and impairing the muscles of backs.

### Driving the wheelchair

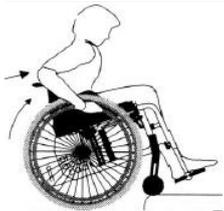
The correct weight distribution is a basic element of proper wheelchair usage. The correct wheelchair operation depends not only on weight but also on body proportions, the position of the person seating in the wheelchair and the position of the rear wheels. The larger the weight proportion of the User resting on the rear wheels the easier it is to propel. The larger the weight proportion of the User resting on the front wheels the harder it is to propel the wheelchair.

**WARNING! Always ensure, that the brake is applied, when the Attendant is leaving the wheelchair with the User sitting in it.**

**WARNING! Always ensure, that the front casters always point forwards, if the wheelchair stands still, to enlarge their contact with the base.**

### How to ride on a threshold

#### User facing the threshold



**(We advise, to use the below mentioned technique only by experienced wheelchair Users)**

Drive the wheelchair as close to the threshold as possible

Incline the wheelchair backwards balancing on the rear wheels and lift the front turning wheels to the height of the threshold. Push the rear wheels forwards and in the same time lean over transferring the weight to the front of the wheelchair.

#### Attendant and User facing the threshold



The Attendant inclines the wheelchair backwards by using the step pedal, allowing the front casters to come off the base. Drive forward until the rear wheels touch the edge. Use the handles at the back of the wheelchair to lift the rear wheels on the threshold.

User with their back to the threshold



(The below mentioned technique will only work in case of a low threshold and if the legrests don't touch the ground.) Drive to the threshold backwards until the rear wheels touch it. Push the rear wheels backwards leaning forwards at the same time

Attendant and User with their back to the threshold



Drive to the threshold so that the rear wheels touch the edge. Tilt the wheelchair backwards with use of the step pedal allowing the front casters to come off the base as much as it is necessary. Pull the wheelchair backwards on the threshold until the front casters are above the threshold. Then carefully lower the front casters onto the base.

**How to ride down from a threshold**

User facing the thresholds edge



**(We advise, to use the below mentioned technique only by the experienced wheelchair Users)**

Drive the wheelchair as close as possible to the edge. Balance the wheelchair on the rear wheels allowing the front turning wheels to come off the base as much as it is necessary.

Attendant and User facing the threshold edge



Incline the wheelchair backwards with use of the step pedal allowing the front casters to come off the base as much as it is necessary. Drive the wheelchair slowly from of the edge and carefully lower the front casters onto the base.

### User with their back to the threshold



**(We do not recommend using this technique for driving of a threshold higher than 10cm.)**

Drive the wheelchair as close as possible to the edge of the threshold.

Drive off the threshold very slowly leaning forwards at the same time

**WARNING! This operation can be dangerous; it can cause the wheelchair to tip over.**

### Attendant and User with their back to the thresholds



Drive the wheelchair backwards as close as possible to the edge of the threshold. Drive down from the threshold very slowly and pull back the wheelchair on the rear wheels until the front casters are free from the edge. Then lower them onto the base.

### Overcoming slopes

Please follow below instructions when driving on a slope:

- Avoid direction changes
- Try to ride a straight line. Do not turn sideways.
- Do not hesitate to ask for help to avoid unnecessary risks.
- When driving up the slope lean forwards to transfer the center of gravity to the front making the wheelchair more stable.
- When riding down the slope lean backwards to transfer the center of gravity to the back making the wheelchair more stable
- Control the speed by using the rear wheels' hand-rims, not by using the brakes.

### Climbing up and down the stairs

**WARNING! Always ask other persons for help. The wheelchair must be carried by at least 2 people who are fit and healthy to perform this task**

**WARNING! Never ride with the wheelchair on an escalator neither on your own nor with the help of another person.**

Up the stairs:



Push the wheelchair to the stair touching the first step with the rear wheels. Use the handles to incline the wheelchair backwards. The second Attendant should grasp the lower front corners of the frame. Carry the wheelchair by the backrest barrier, never by the folding handles - these can be damaged.

**Warning! Never lift the wheelchair by the folding push handles.**

Carry the wheelchair slowly up the stairs, step by step. After overcoming the last step pull the wheelchair backwards until the front casters can be lowered onto the floor. The Attendants should use mainly the strength of their leg muscles to carry the wheelchair avoiding excessive bending down and impairing of back muscles.

Down the stairs:

Carrying the wheelchair down the stairs should be done in the same way as carrying it up as described above.

## 6. Cleaning & Disinfection

### Frame

The frame ought to be cleaned with use of a damp cloth or alternatively with the addition of a soft detergent. After that it should be wiped with a dry rag. The frame should be regularly inspected, to find damages of the paint, which may cause corrosion. In case of any visible frame damages (cracks, painting defects etc.) ask your local dealer for diagnostics and maintenance.

The seat and back are made of very durable, reinforced nylon and breathable spacer fabric. The seat upholstery can be easily removed by unhooking the Velcro and removing it from the frame tubes. The seat and upholstery of the backrest can be washed with a sponge and a mild washing detergent, or machine washed at 20 °.

Normal dirt on the metal and the plastic parts can be removed with standard cleaning agents and sponge or soft rag. Check out specific product information and only use commercial cleaning products which are suitable for cleaning and disinfection (no solvents or abrasives).

For disinfection please contact your dealer to be sure is made by professional personnel. However, for individual use we recommend using the generally available disinfectants without chlorine and phenol. The manufacturer is not responsible for the damage caused by wrong usage of disinfectants.

## 7. Maintenance & Service

Despite the solid construction and usage of resistant materials the product is subject to wear. It is therefore recommended to have a professional checking the product at regular intervals

For basic service actions a set of socket wrenches, adjustable spanner, flat head- and cross screwdriver will be enough.

**Parts, which should be regularly inspected:**

<u>Part name</u>	<u>Control Type</u>	<u>Control frequency</u>
Tyres	Check tyre pressure (4,0 - 6,5 bar), condition of tread and tyres. One should take care, to keep the pressure in both tyres on the same level. Harder tyres provide better maneuverability and easiness of driving but reduce comfort on bumpy surfaces.	At least once a week

Front castor assembly	Check that the screws are properly tightened. Looseness of the front fork can cause damage, breakage of bolts which can cause an accident, check and remove dirt, hair from the front wheel axles	At least once a week
Spokes	Loose spokes can cause deformation of the rear wheels. Contact your dealer or local bicycle service to manage the problem of loose spokes.	If the problem occurs
Wheel axles	Check that they are not dirty. Remove all impurities.	If necessary
Push Rims	Check for deformation and wear. They can lead to hand injuries.	If necessary
Brakes	The braking force depends on the tyre pressure. The efficiency of brake operation can be also affected with dirt accumulated on tyres. Keep the brakes clean wiping them with a damp cloth to remove dirt, and lubricating the funnel of screws, on which the brake levers turn. Check the brake horizontal position.	At least once a week.
Frame	It is recommended to keep the frame clean to better control wear	At least once a month, depending on usage conditions
Front castor	The area between the fork and the front wheel should be kept clean, because dirt accumulating there can cause faster wear of caster bearings. To do so, one should disassemble the front caster by disassembling it from the fork, to remove all dirt, and then preserve the metal elements of the wheel (i.e. to apply technical grease).	At least once a month, if necessary.
Detachable elements	Check the condition of detachable elements of the wheelchair; if screws are loose, they should be tightened.	Once a month.

### Most common problems and solutions

If you notice any irregularities in the wheelchair's functioning, do not use it – you should contact your local point of sale or the service department of the wheelchair supplier. The manufacturer does not warranty correctness of the wheelchair operation, if non-original parts are used.

<i>Symptoms</i>	<i>Possible cause</i>	<i>What to do?</i>
The wheelchair seems to tilt on one side	<ul style="list-style-type: none"> <li>● One of the rear tyres might be inflated more than the other one.</li> </ul>	<ul style="list-style-type: none"> <li>● Inflate tyres (4,0-6,5 bar).</li> <li>● Check displacement of the wheelchair mass</li> </ul>
The wheelchair is hard to push	<ul style="list-style-type: none"> <li>● Low air pressure in tyres.</li> <li>● Front wheels axles are dirty.</li> <li>● Too large load applied on the front turning wheels.</li> </ul>	<ul style="list-style-type: none"> <li>● Inflate tyres (4,0-6,5 bar).</li> <li>● Remove dirt.</li> <li>● Balance the weight.</li> </ul>
The wheelchair is hard to turn	<ul style="list-style-type: none"> <li>● Low air pressure in tyres</li> <li>● The front wheels are tied too strong</li> <li>● Front wheels axles are dirty.</li> </ul>	<ul style="list-style-type: none"> <li>● Inflate tyres (4,0-6,5 bar).</li> <li>● Check the front wheel axles and loosen them if necessary.</li> <li>● Remove dirt and clean the front wheels.</li> </ul>
Brakes are not working correctly	<ul style="list-style-type: none"> <li>● Low air pressure in tyres</li> </ul>	<ul style="list-style-type: none"> <li>● Inflate tyres (4,0-6,5 bar).</li> </ul>
It is hard to fold and unfold the wheelchair	<ul style="list-style-type: none"> <li>● The upholstery fitted to tight</li> <li>● The frame cross hinge is dirty</li> </ul>	<ul style="list-style-type: none"> <li>● Adjust the tension of the upholstery support belts. Remove the seat cushion.</li> <li>● Clean up and lubricate the crossbar hinge.</li> </ul>
The wheelchair is not stable	<ul style="list-style-type: none"> <li>● Low air pressure in tyres</li> <li>● The elements of wheelchair aren't rigid and tight</li> </ul>	<ul style="list-style-type: none"> <li>● Inflate tyres (4,0-6,5 bar).</li> <li>● Ensure that all screws and nuts are tightened.</li> </ul>
Flat tyres	<ul style="list-style-type: none"> <li>● Possible puncture of tube &amp; tyre</li> <li>● Tyre and tube are worn down</li> </ul>	<ul style="list-style-type: none"> <li>● Contact your nearest wheelchair dealer or bicycle service to repair or replace broken tubes</li> </ul>

In case of any product failure we recommend you contact an authorized service agent or the dealer the wheelchair was purchased from. The manufacturer does not warranty proper functioning of the device if it has been repaired by unauthorized service and/or not using original spare parts.

**WARNING! We recommend servicing the wheelchair only at authorized service centers.**

**WARNING! Unauthorized repairs will cause loss of warranty.**

#### **Authorized services**

For authorized repair you should contact the dealer where product was purchased or contact the manufacturer directly..

## **8. Transport & Storage**

### **Transport recommendations**

The ICON 60 is easy to transport. It can be folded and removed to reduce size and weight. It is possible to detach the rear wheels and to fold the chair's cross frame very easily as was described previously.

**WARNING! The wheelchair is not a car seat. When travelling in vehicles sitting in the wheelchair is prohibited. The chair should be folded and safely immobilized.**

### **Procedure of sending the wheelchair or parts to be serviced**

To repair the wheelchair, one should contact the local dealer or the manufacturers' service. The wheelchair or parts ought to be sent in a package protecting it against incidental transportation damages. The best solution is to use the original packaging. The dispatch ought to be organized through the transporting company indicated by the manufacturer.

**WARNING! The manufacturer does not take responsibility for transport damages of the device or components caused by improper packing.**

### **Storage**

Store device in dry place, where temperature is not freezing. The chair can be folded to reduce space needed for storage. You can also detach rear wheels to save even more space. Freezing temperatures or humidity may cause damages on tyres, fabric, axles, bearings and other elements of the product. To protect tyres against deformation during long period of storage you can place wood bricks or other supports under the frame. It is also recommended to cover the chair to protect it from dust and dirt.

## **9. Re- use**

This medical device can be reused by another user if the original user of the product doesn't need it anymore. Before reuse, the device must be carefully inspected and disinfected by authorized technical staff at the dealer.

Following elements should be checked:

- control the visual and technical condition of the wheelchair: check the operation of all mechanisms and adjustment ranges, check the condition of the frame (cracks, wear),
- clean according the recommendations of this manual,
- if necessary, replace the wheel and / or upholstery components with new ones
- adapt, adjust to the needs of the new user.

## **10. Disposal & recycling of the product**

The device must be disposed of in accordance with applicable local and national statutory regulations. Contact your local waste disposal agency or authorized reseller for proper disposal of packaging, metal frame components, plastic and material components

## **11. Warranty**

### Warranty information

- The manufacturer covers the product with 24 months warranty from the purchase date.
- During that period all material or parts defects, caused by manufacturing faults or usage of improper materials will be repaired or replaced free of charge.
- Damages to tyres, upholstery and spokes caused by wear in time during use are not covered by warranty.
- All mechanical defects and damages caused by improper use or usage not intended by manufacturer are not covered by warranty.
- Not authorized changes and modifications of the wheelchair will cause loss of warranty.
- If any defects or damages occur, one should immediately inform the supplier.

### Range of responsibility

- The warranty does not cover transport cost.
- The warranty does not cover injury or other damages eventually related to a malfunction of this product.
- The warranty does not cover damage caused by the inability to use the product.
- The manufacturer does not bear the responsibility for damages caused as the result of inappropriate or incorrect understanding of this User Manual.

### Wheelchair modifications & additionally installed elements

- This definition refers to any wheelchair, which was modified, and which differs from details given in this manual or if additional elements, not supplied by the manufacturer, are fixed to the product. If the device was modified in the above way by the User without the manufacturer's written authorization, it is no more compliant with the CE essential requirements and will not be covered by the warranty.
- If you have any questions or doubts concerning modifications, please contact the manufacturer before you take any action.

## 12. Technical Data

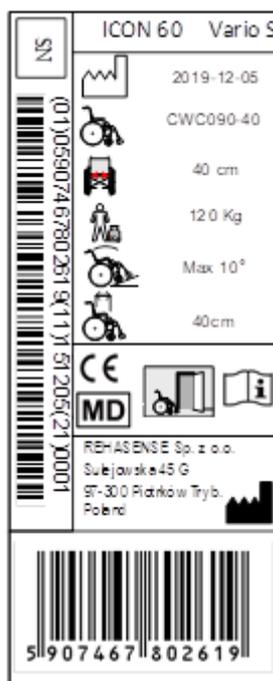
Technical Data will vary according to the frame dimensions chosen and the way the wheelchair is set up (front and rear wheels). The data in the table refers to a Seat Width of 40 cm and a Seat Depth of 42cm. All measurements are in centimeters (cm) for distance and kilograms (kg) for weight, unless otherwise stated

Model:	ICON 60 Vario
Seat width [cm]	36; 38; 40; 42; 44; 46; 48; 50 (depending on the version)
Seat depths [cm]	42 <-> 46,5; (each 1,5)
Max User Weight [kg]	120
Min length [cm]	71
Max length [cm]	83
Width [cm]	58
Total weight [kg]	8,9
Heaviest element [kg]	6,5
Seat height - front [cm] (standard configuration)	50
Seat height - back [cm] (standard configuration)	46
Seat tilt angle (standard configuration)	5°
Back height [cm]	30
Backrest adjustment angle (range)	18° (smoothly)
Range of footrest extension [cm]	4,5 (each 1,5)
Angle of footrest (relative to the ground)	3°
Rear wheels	24"
Camber (rear wheel inclination / 1 side)	0°; -1°; -2°; -3°

Front wheels	3"; 4"; 5"
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### 13. Label

This is an example of the product label it is located on the cross bar.



### 14. Wheelchair set-up and operation

#### 14.1. ICON 60 ACTIVE WHEELCHAIR SYSTEM

The ICON 60 active wheelchair system offers a wide range of wheelchairs of different sizes (depth and width), also has the ability to adjust the seat angle, backrest angle, and the angle of the front wheel forks, as well as seat height and stability, depending on the user's needs. The ICON 60 series has adjustable seat frame depths. Thanks to this, the user has the ability to more accurately adjust the wheelchair's performance to their skills and needs.

**WARNINGS – Changing the front and rear axle positions or wheel diameters can only be done by qualified service or advised by a physical therapist qualified in wheelchair fitting. For detailed instructions contact Rehasense or the Dealer for service questions.**

**Incorrect settings can result in an excessively unstable wheelchair which may be dangerous for the user. Always contact your dealer if changes are thought to be needed.**

##### 14.1.1. ICON 60 Vario S

ICON 60 Vario S - is the basic model of wheelchairs. ICON 60 is mainly made of high quality aluminum. It has many rear axle and wheels settings. Different degrees of sagittal plane stability (or "tipsiness") can be selected according to the level of user activity. The angle of the front fork is adjustable, which allows great adjustment of seat height and seat angles.

##### 14.1. 2 Frame Settings

The frame construction allows to adjust the angle and height of the seat, as well as various degrees of stability by adjusting the center of gravity of the wheelchair relative to the position of the rear axle.

- Moving the axle position closer to the center of gravity makes the wheelchair easier to use dynamically for active

wheelchair users.

- Moving the axle position further away from the center of gravity makes the trolley more stable - passive.

The frame design allows you to adjust the angle and height of the seat.

- seat angle and / or height by changing to a different front wheel diameter
- seat angle by changing the position of the rear wheels.
- the angle of the front axle of the fork to adjust perpendicularity to the floor
- seat depth by horizontal adjustment of the backrest position; this affects the center of gravity and the stability and maneuverability of the wheelchair

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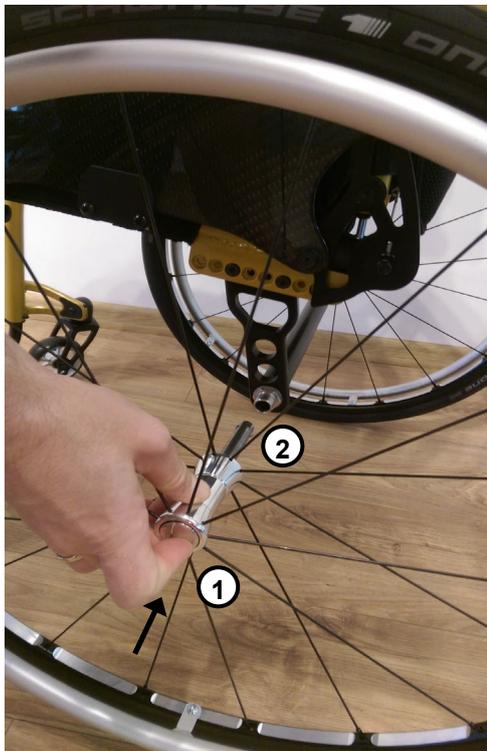
### 14.1.3 Rear Wheels

Depending on the specification, the wheelchair can be equipped with 24-inch main wheels with drive trains, pneumatic or polyurethane tires, resistant to puncture.

Wheels with a diameter of 24 "are equipped with push rims, as standard, for driving the wheelchair by the user.

Quick-release axle

Depending on the chosen specification, the wheels of your wheelchair can be equipped with quick-release axles enabling quick and easy assembly and disassembly of the wheels on the frame.



Assembly of the wheel from the wheelchair frame

- Press and hold the axis button **(1)** pull the wheel.

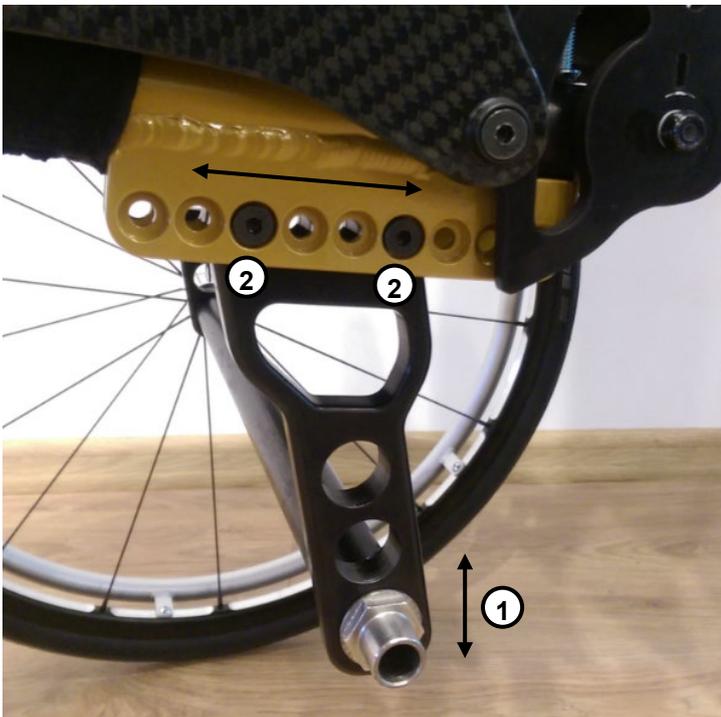
Assembly of the wheel to the wheelchair frame:

- Press and hold the axis button **(1)** push the axle into the bushing **(2)** and release the button.
- Check that the wheels are mounted correctly by pulling them out several times

**Watch out for your fingers during assembly and disassembly wheels. Do not put them between the spokes or between the wheels and the push rims.**

**Watch out for spokes when driving. Spoke covers (accessory) are recommended to secure your fingers.**

**Rear wheel balance adjustment**

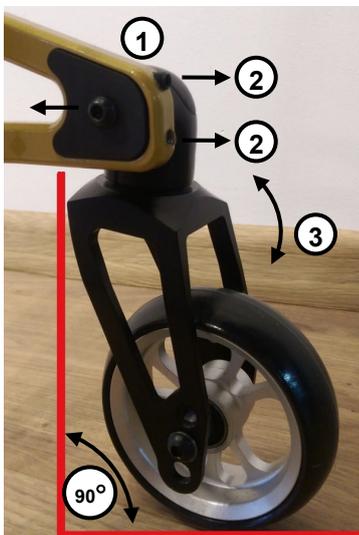


- To change the position of the rear wheel, unscrew the wheel bushings (1) from the hole in the black mounting plate and move the bushes together with the rear axle to another available hole in the rear axle bracket, maintaining the correct order of the washers and nuts.
- If a wider adjustment range is needed, loosen the 4 screws (2) on both sides of the wheelchair, that hold the black mounting bracket to the frame bracket, move the vertical support forward or backward to the desired position, and then insert and tighten the 4 screws in the new position while holding the nuts on the bottom / inner side of the wheelchair.

## 14.2 GENERAL

### 14.2.1. Front wheels

#### Front wheel adjustment



When the position or size of the rear or front wheels is modified, it may be necessary to adjust the angle of the front wheel fork to avoid "fluttering wheels" and ensure a smooth, straight ride.

The head of the front fork assembly (1) should always be placed at an angle of 90° to the ground. After changing the wheel setting, this angle must be set.

To adjust the angle of the front fork:

- Loosen 1x screw (1)
- Loosen 2x screws (2), adjust (3) front fork assembly until the vertical axis of the bearing (1) is at an angle 90° to the ground
- Tighten the screws again (1) i (2), check the angle with the ground again.
- Do the operation symmetrically on both sides of the wheelchair.

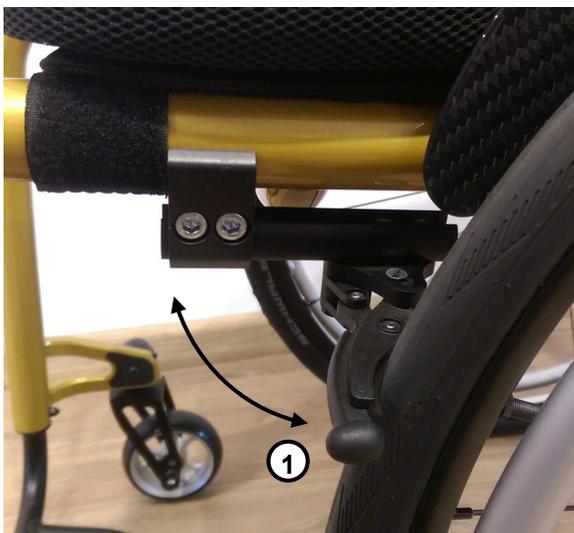


To change the seat height, you can mount the front wheels in different positions (4). (This picture uses a front fork with 3 different positions). Different holes also allow the installation of front wheels with different diameters.

**Warning!** All of the above adjustments can only be made by a qualified service center or physiotherapist's recommendation. Detailed instructions are provided in the user manual.

## 14.2.2. Brakes

### Parking brakes



*Brake on (wheelchair not moving)*



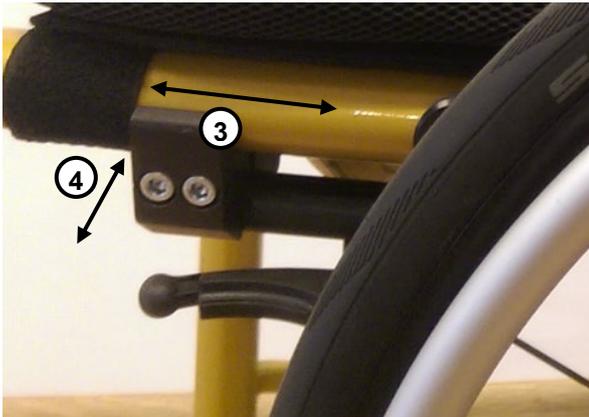
*Brake released (wheelchair can move)*

- To apply the brake, move the lever forwards (1). The wheelchair wheels are fixed in this position.
- The brake is released when we move the lever backwards (2). The wheelchair wheels are ready for turning in this position.
- Always apply the brake when the wheelchair is not in use.
- Always release the brake before using it.

**WARNING!** Always apply both brakes.

**WARNING!** The brakes are not used to slow down a rolling truck. They only have a parking function.

### Adjusting the brake position



The brakes can be adapted to different types of wheels.

To set the correct distance from the brake to the tire:

- Loosen the 2 screws (3) fixing the brake to the frame.
- Move the brake backwards or forwards to set it in the correct position while maintaining the handle angle (4)
- Then tighten the 2 screws (3).
- Check the brake force again. The wheels should not rotate, while the brakes close and open without much effort.

### 14.2.3. Footrest

#### Standard footrest (aluminum)

- The footrest cannot be removed for use - it is an integral part of the main frame of the stroller - closes and stiffens the frame..
- The footrest has height adjustment. If the wheelchair is used outside, the footrest should be positioned so that their feet are at least 4-5 cm from the ground.

**WARNING! It is forbidden to stand on the footrest. Risk of overturning / overweighting the wheelchair.**



#### To adjust the height of the footrest:

- Loosen and remove the screw (1) holding the nut (2). Do the same on the other side of the wheelchair.
- Adjust the height of the footrest by moving it (3) up and down and set the holes in external and internal tubes of footrest

Reinstall and tighten the screw (1) and nut (2). Do the same on the other side of the wheelchair.

### 14.2.4. Side covers

The operations described below apply to all possible configurations and models. Depending on the version and equipment chosen, your wheelchair may not have some of the features and components described below

#### Side covers tiltable



Side cover closed



Side cover open

The side covers can be folded back behind the back to facilitate the transfer of the user from the wheelchair or to the wheelchair.

To tilt the side cover back, take the cover and lift it upwards in a circular motion (2).

To reattach the cover, simply lower it in a circular motion until the front of the cover slides into the guide and locks into place (1).

**WARNING! The side covers must not be used as carrying handles.**

### 14.2.5. Folding push handle



The method of unfolding the push handle:

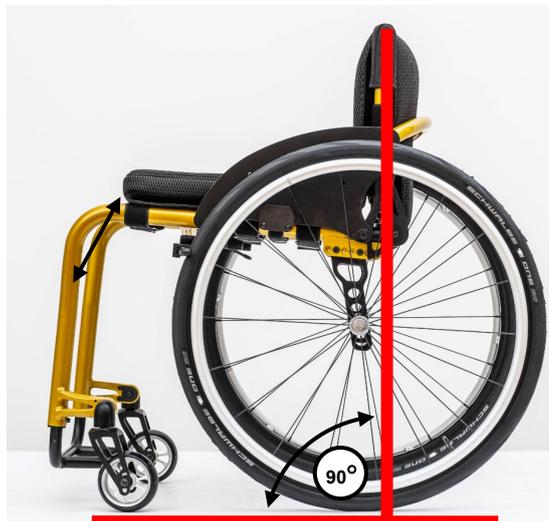
- Pull and unfold the handle lever (1), until you hear a click.
- The unfolded handle should be locked in the horizontal position.

The method of folding the push handle:

- Press and hold the button (2) under the lever of the handle (1).
- Push and fold the handle lever (1).

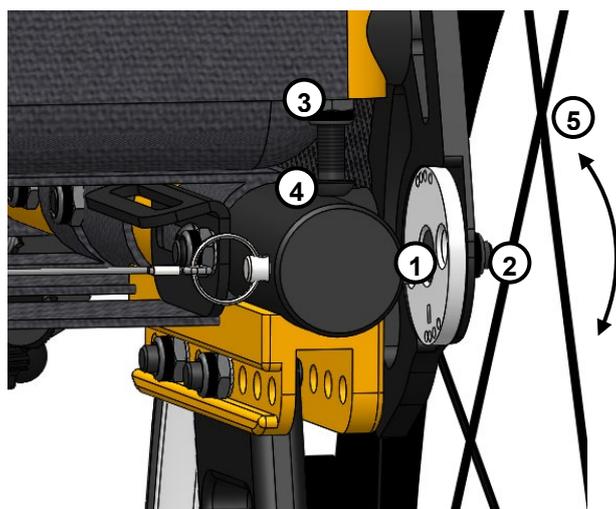
## 14.2.6. Adjusting the angle of the backrest

Backrest angle adjustment is smooth. The adjustment method is described below.



For the best driving parameters, the backrest should be set vertically in relation to the ground.

To adjust the backrest angle it is necessary to:

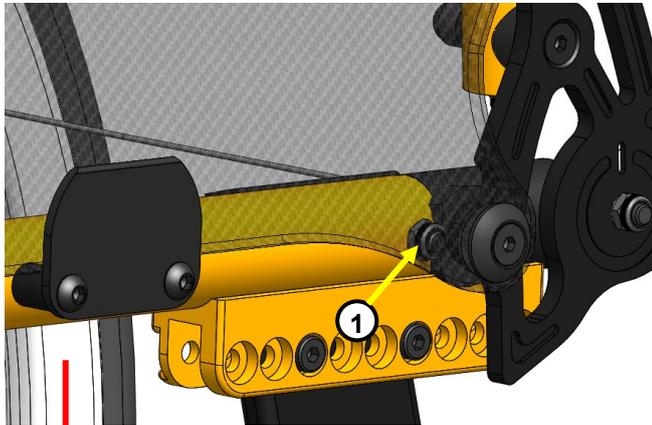


- Holding the 2 nuts **(2)**, loosen the 2 screws **(1)** securing the backrest locks on both sides of the frame.
- Holding the nut **(3)**, loosen the screw **(4)**
- Back support.  
Do the same on the other side of frame.
- Set the desired back angle **(5)**.
- Then, holding the 2 nuts **(2)**, tighten the 2 screws **(1)** that fix the backrest locks on both sides of the frame.
- Holding the nut **(3)**, set and tighten the screw **(4)** Back support.  
Do the same on the other side of frame.

Check the backrest lock mechanism again pulling the cord. Make adjustments if necessary.

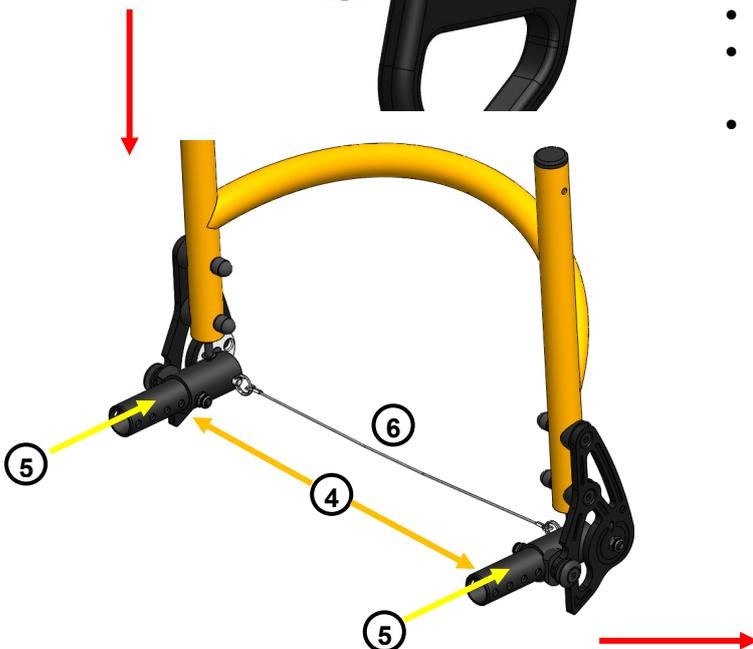
### 14.2.7. Seat depth adjustment

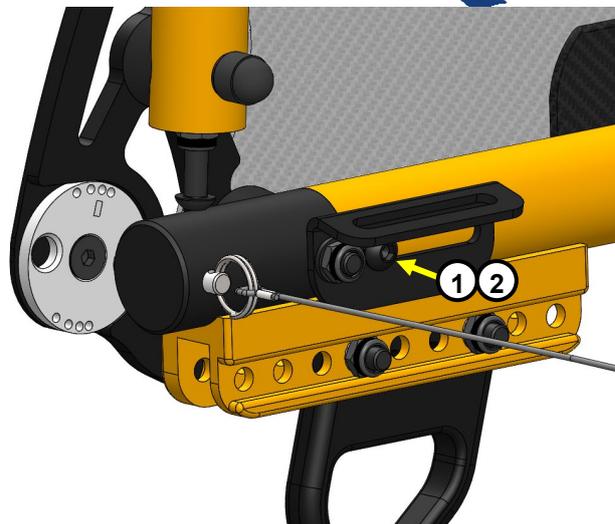
The method of adjusting the seat depth is described below.



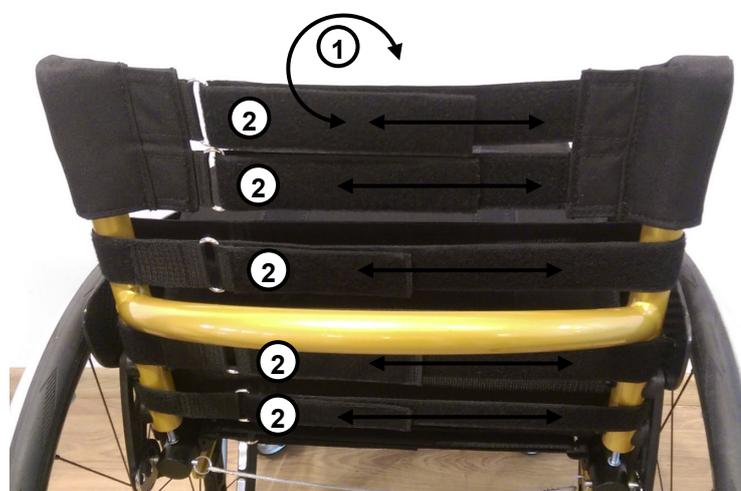
The method of adjusting the seat depth is described below:

- Hold with a flat spanner 2x M6 nuts (1), then unscrew and remove from the holes the two M6 screws (2) fastening the backrest pins (black) (3) on both sides of the frame
- Pull out the entire backrest towards (3) towards the back of the wheelchair (grasping both sides at the same time)
- You will see 3 adjustment holes (4) on the inside of each pin from the backrest (3)
- Slide the dedicated spacer rings so that they reveal the desired mounting hole (5)
- Repeat the operation for applying spacers on both sides.
- Slide the backrest set back into the frame so that it rests on the rings.
- Insert the two M6 screws (2) back into the dedicated holes (4)
- Next step: Hold the M6 Allen key (2) and tighten the two M6 nuts (1) tightly to secure the backrest to the wheelchair frame
- Do the same on the both side of the wheelchair
- Check the backrest closing mechanism by pulling the cord several times (6)
- In the event of irregularities, adjust the backrest folding mechanism.





### 14.2.8. Adjusting the backrest upholstery

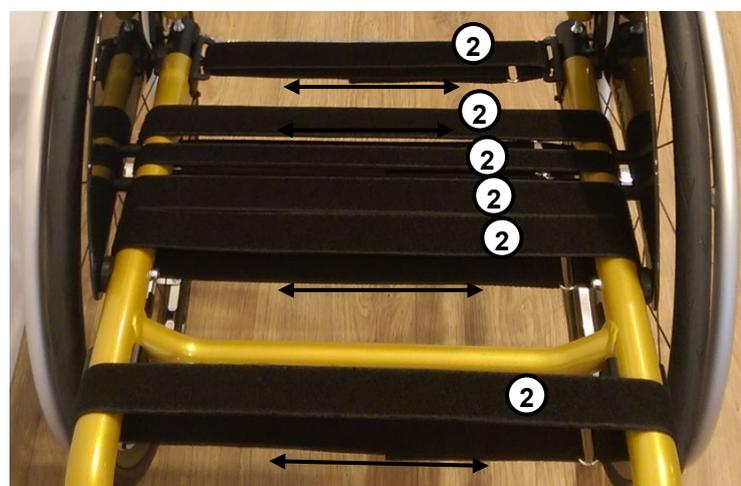


It is possible to adjust the tension of the backrest upholstery so as to best adapt its shape to the user's needs.

To change the backrest upholstery settings:

- Lift the rear part of the upper upholstery (1) upwards.
- Then unfasten the Velcro straps and adjust the tension of the six adjustment belts (2) until their settings are as expected.
- Lower and attach the Velcro back part of the top upholstery (1) to cover the adjustment belts.

### 14.2.9. Seat upholstery adjustment



It is possible to adjust the seat tension so as to best adapt its shape to the user's needs.

To change the seat settings:

- Lift up and unhook the top parts of the upholstery (1) - the seat cushion and the seat bottom mat.
- Then unfasten the Velcro straps and adjust the tension of the six adjustment belts (2) until their settings are as expected.
- Install all parts of the upholstery in reverse order (1) to cover the adjustment belts.



Seat upholstery - bottom mat



Seat upholstery – cushion

## 15. Contact details of the distributor, manufacturer

In case of any technical questions contact your local distributor or directly with  
Distributor:

**Manufacturer:**

**Rehasense® sp. z o.o.**  
Sulejowska 45G  
97-300 Piotrków Trybunalski  
Poland

[www.rehasense.com](http://www.rehasense.com)  
[info@rehasense.com](mailto:info@rehasense.com)