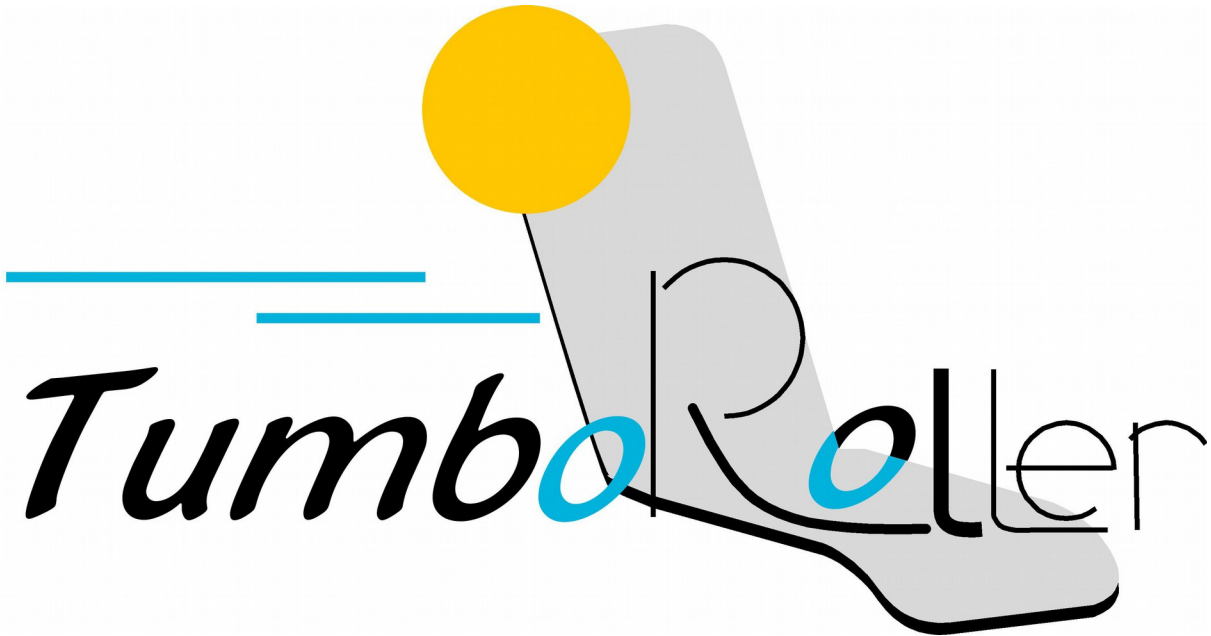


Tumboroller User Manual

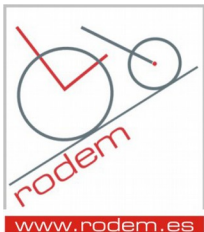


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1. Tumboroller components.

1. Upper body or backrest.
2. Lower body or seat.
3. Textile seat and backrest.
4. Handles.
5. Reinforcement fitting.
6. Attachment plate.
7. Backrest Locking pin.
8. Wheelz Wheels.
9. Wheel axle.
10. Locking pin axle.
11. Rollover kickstand Fitting OPTIONAL.
12. Rollover Kickstand OPTIONAL.
13. Footrest.
14. Flotation system fitting OPTIONAL.
15. Flotation System OPTIONAL.

Figure 1. Tumboroller with rollover kickstands.

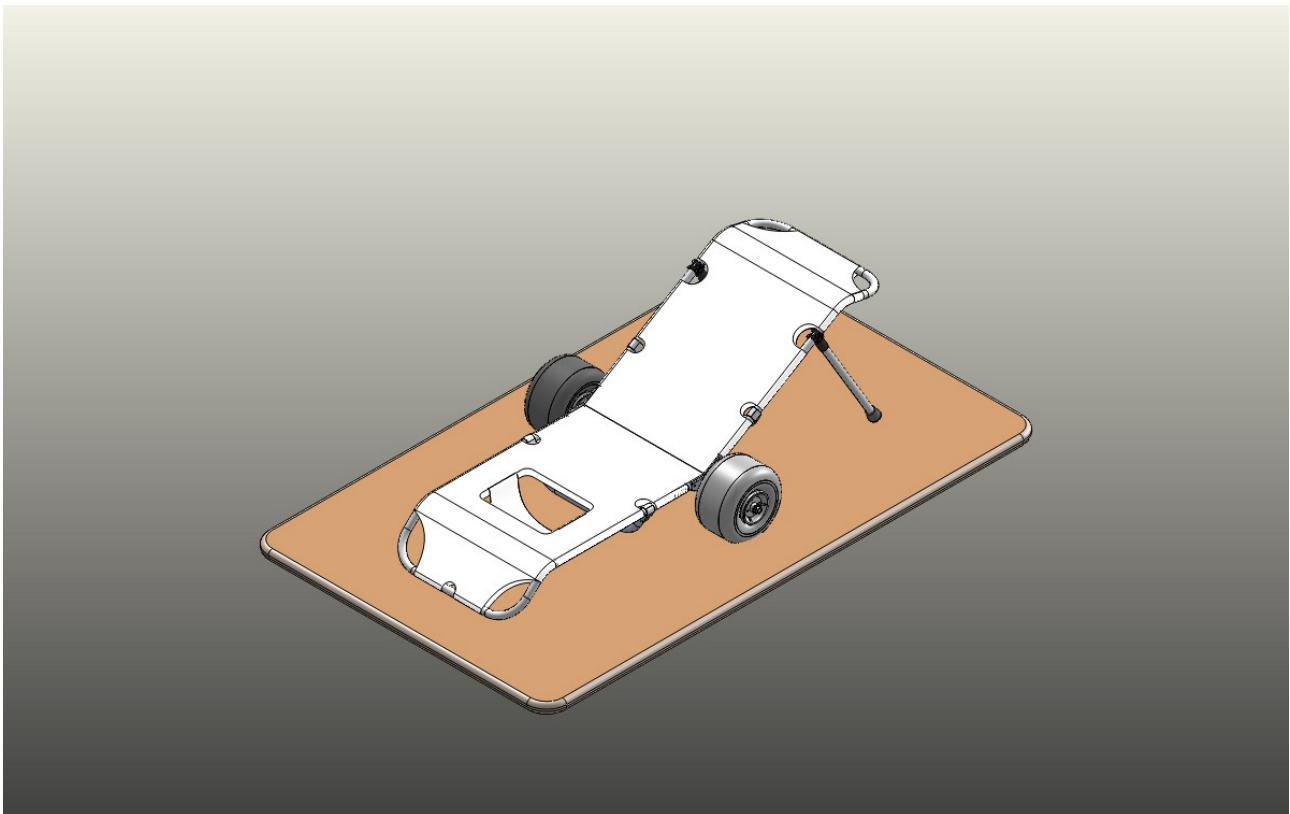
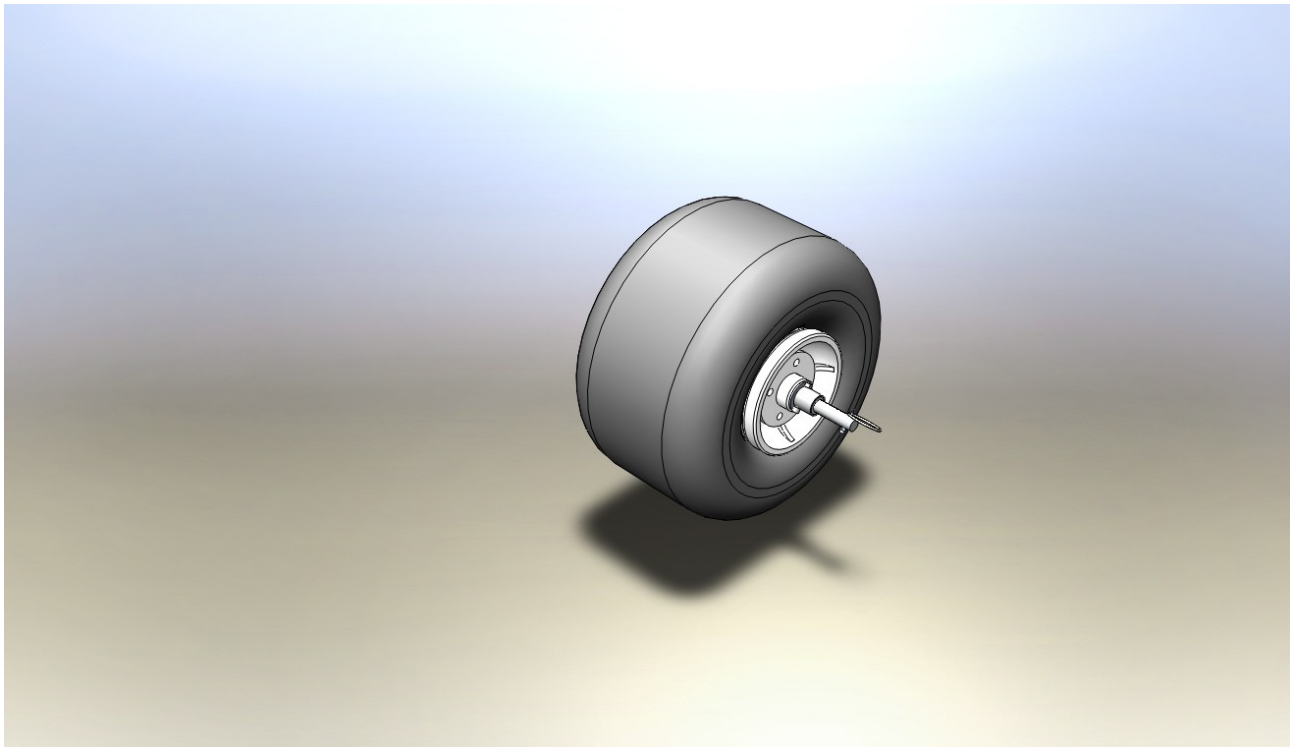


Fig 2. Wheel and axle.



2. Introduction

First, we would like to thank you for the confidence you have placed on us by selecting our wheeled sunbed chair Tumboroller, from now also called Tumboroller.

Following a careful product development process, we have ensured that the operation and maintenance is as simple as possible. However, the life of this device depends largely on the maintenance and care received. This manual is intended as an aid to acquaint you with the operation and also provides some tips to keep it ready for an efficient working and longer life.

The manufacturer reserves the right to make changes without any obligation to adapt or replace previously delivered models.

Please note that if you follow our advices, your Tumboroller will be maintained in optimum conditions and It will work perfectly.

If you have any questions, please contact your dealer.

2.1. About this manual.

This manual provides all necessary knowledge of assembly, functions, operation and maintenance of the wheeled sunbed chair Tumboroller to the users and their companions. This manual contains the information required for safe use of Tumboroller. If a fault occurs, this manual can also find information on possible causes and solutions.

The information in this manual is essential for safe operation of the wheeled sunbed chair Tumboroller. Therefore, before using it, reading these instructions is recommended, especially the chapter "Safety".

WARNING

DO NOT use this product or any available optional equipment without having previously read and understood all instructions in this manual and any additional material such as owner's manuals, service manual or instruction sheets supplied with this product or optional equipment. If you do not understand the warnings, cautions or instructions, consult a healthcare professional technical provider before starting or using this equipment since, otherwise it could cause injury or damage.

This manual contains warnings concerning hazards or unsafe practices which could cause damage or personal injury. See in the following table definitions of the advices used.

ADVICE	MEANING
DANGER	Danger indicates an imminently hazardous situation which, if not avoided, can be death or very serious injury cause.
WARNING	Warning indicates a potentially hazardous situation which, if not avoided, may result in serious injury.
CAUTION	Caution indicates a potentially hazardous situation which, if not avoided, may result in property damage.

2.2. Application as prescribed.

The wheeled sunbed chair Tumboroller is designed exclusively to transport people with reduced or no mobility, outdoors or indoors (pools), always with the help of at least one attendant, so user is considered both, the person sitting on the Tumboroller as the attendant or attendants which help with the transfer.

The wheeled sunbed chair Tumboroller can only be combined with the options listed in this manual and vice versa. The manufacturer is not responsible for the combinations that are made with medical products and / or accessories from other manufacturers outside the modular system.

Any use that exceeds the limits shall be regarded as inadequate. The manufacturer is not responsible for any personal or material damage due to an improper use; in this case the user will be the only responsible.

The Tumboroller must only be used by people who can handle it. According to the instructions in this manual, a safety functioning of the Tumboroller will be only guaranteed by an appropriate use. Finally, the user is responsible for its functioning.

2.3. Liability and warranty.

2.3.1. Liability for Tumboroller.

The manufacturer shall assume responsibility provided that they have followed the handling and maintenance instructions, as well as the intervals of care and maintenance.

The manufacturer expressly advised that only authorized parts by the manufacturer should be used and also the product should be used exclusively for the established purposes.

Rodem Ortotec, SL shall not be liable for damage caused by not authorized spare parts by the manufacturer as well as for damages resulting from a different established use.

This warranty is subject to civil and commercial law from Spain.

2.3.2. Additional provisions.

Rodem Ortotec, SL can destroy replaced parts three weeks after his return, unless the user or the entity responsible for paying the service (social security) disagrees.

The place of performance for warranty services is the city of Valencia.

2.4. Indications for reuse.

The wheeled sunbed chair Tumboroller can be reused.

Re-used items are subject (like machines or devices used) to a special burden. Features and performances should not be modified in any way prejudicing the users safety or possibly third party, over its lifetime .

Based on the current market and technique , the manufacturer has calculated that the life of the wheeled sunbed chair Tumboroller is about 5 years, assuming a use in accordance with the regulations issued and also assuming that service intervals as well as maintenance are met.

The time the Tumboroller is stored in specialized distributors or the entity responsible for payment is not included. In this must be clearly emphasized that the Tumboroller remains reliable beyond this period, if it is cared for and maintained accordingly.

The product must be thoroughly cleaned and disinfected before reuse.

Next, an authorized technician must check the product to determine the condition, wear and damage.

They should be replaced worn and damaged parts and components that are inappropriate or do not conform to the new user.

2.5. Technical Service.

WARNING

Technical service and repair work of Tumboroller may only be performed by authorized Rodem Ortotec, SL technicians.

In case of any problems, contact the dealer who sold the Tumboroller. If any doubt or problem persists despite the help of the instruction manual, contact the service of Rodem Ortotec, SL (Address on the back cover).

Rodem Ortotec, SL seeks to help its customers in every aspect to keep them satisfied with the product for a long time.

3. Safety.

3.1. Standards and Guidelines.

All safety instructions in this manual refer to current laws and decrees from Spain and European Union.

Notice that relevant laws and decrees of each country must be observed.

In addition to the safety warnings in this manual, rules of mutual accidents and guidelines for the prevention of accidents and for environmental protection, also must be respected and followed.

The recommendations and instructions provided in this manual must be followed at any time without restrictions.

The wheeled sunbed chair Tumboroller is designed according to current technical standards and operates safely. The security of Tumboroller is accredited with CE hallmark and declaration of conformity.

3.2. Declaration of Conformity.

The company Rodem Ortotec, SL, as a manufacturer and solely responsible, states that the wheeled sunbed chair Tumboroller meets the requirements of directive 93/42 / EEC of 14 June 1993 concerning medical devices.

The development, design and structure of the Tumboroller conform fully with the following safety requirements:

- DIN EN 12182 Technical aids for disabled persons, "General requirements and test methods"

3.3. General safety.

The Tumboroller only must be used for the purpose for which it is intended.

The Tumboroller only must be used by people who can handle it and never by unauthorized people.

It is only allowed to transport one person with the Tumboroller.

DANGER

- Never use belts or other restraints when accessing water, since if the user rolls over, it would be submerged below the Tumboroller being very difficult for the passenger to turn over.
- All safety instructions in this manual and all current documents must be observed and followed.
- The manual must be available at any time.
- The fabric covering the seat and backrest are hardly flammable, however they could. Pay full attention if handling fire, especially burning cigarettes.
- When driving on inclines and slopes should not save obstacles of any kind.
- You must never go through stairs with tumboroller.
- Avoid getting on and off the Tumboroller on hills and slopes.
- A poor latching by the attendant may cause the Tumboroller move uncontrollably . Therefore, when the Tumboroller is parked, be sure it is locked.

3.4. Safety requirements for transportation, storage and assembly.

For transportation the original packing should be used only.

After each adjustment or regulation of the Tumboroller, screws or nuts must be re-tighten.

3.5. Safety requirements for the operation and use.

- Before each use, the user is required to ensure that the Tumboroller is safe and correct.
- Operational settings should only be performed by health professionals or people who know perfectly this process as well as the user's characteristics.
- After setting the Tumboroller, check it to make sure it works in accordance with the specifications applied during the configuration process.
- To avoid injury, do not bring your hands and fingers close to the moving parts. Take care of pinch points while changing the position of the backrest or folding it. Before lowering the seat, make sure the hands and body of the occupant, assistants and others are removed from these pinch points.

- Wheelchair users must be sure kickstands are correctly installed to ensure a safe sitting position.
- In case of any failure, defect or other hazards that may cause personal injury is detected, the Tumboroller will be out of service immediately.
- Before using the Tumboroller, the necessary mechanical corrections will be made in order to accommodate the Tumboroller to the user's needs and abilities.
- Only technicians trained and authorized by Rodem Ortotec, SL can perform the settings.
- The Tumboroller can work perfectly between -25°C and $+50^{\circ}\text{C}$. The Tumboroller should not be exposed to temperatures that fall outside this range during operation.
- The maximum load allowed is 100 kg. This weight must not be exceeded. For users with more than 80 kg is mandatory to use the straps in reinforcement position for the transfer.
- Before using it, check that Tumboroller tires have the proper air pressure (see the side of the wheel).
- The critical Tumboroller capacity for overcoming obstacles reaches 5 cm. Do not exceed greater heights than 5 cm.
- Risk of injury due to Tumboroller overturning. It is only allowed travel through slopes and obstacles with a slight inclination of the seat and upright backrest.
- Moving through obstacles such as steps or curbs must be done with reduced speed (max. 3 km / h). To do this, obstacles must always be saved in straight angle and at once.
- You can use the Tumboroller on hills and slopes up to 6%. Slopes that exceed this percentage should be avoided.
- Sea state. The Tumboroller must never used with strong waves or currents (never use it with the red flag and put extra caution with the yellow one).
- Entry and exit to the sea. It is recommended to enter and exit the water facing or back to the sea for improving stability .
- For bathing in the sea is mandatory to install the flotation equipment as well as the need of at least one attendant holding the Tumboroller.
- Use of lifejacket. It is recommended for bathing to use always a life jacket.

4. Product Description

The Tumboroller is an amphibious wheeled sunbed wheelchair that can be used both inside and outside the water. It is specially designed to facilitate people with disabilities movement along the sand beach and its surroundings, specially for accessing the water.

The Tumboroller is convertible into a wheelchair with different tilt positions of the backrest 180 (lying), 75° (105), 60 (120) 45 (135), 30 (150) and 0° (folded) which has been conceived in order to obtain numerous and notable advantages over other existing products used as means of transport for people with disabilities in the beach.

The Tumboroller is provided in order to help users, wether they are current users or people with reduced mobility, with numerous advantages like:

- They can be displaced by the beach sand comfortably by another person.
- Entering the water and be able to transfer into the water (position 75° and 60°).
- It is also very comfortable to fold and carry out.
- The user can be completely lying (position 180).
- User is easily transfered from the wheelchair by sliding down the back (30th position).

Furthermore, Tumboroller is based on two aluminium structures (backrest and seat) connected by the aluminum plate and stainless steel screws, where the axles of the special stainless steel sand-wheels are also connected. The backrest and seat are covered in a durable fabric used in the nautical sector.

5. Transport and storage.

The Tumboroller is easy to transport:

- Pull the pin to unlock and move the backrest forward (position 0°) to fold it completely.
- Release the wheel axles pins and remove wheels by pulling them with shaft/axle included.

Fig 4. Folded Tumboroller.

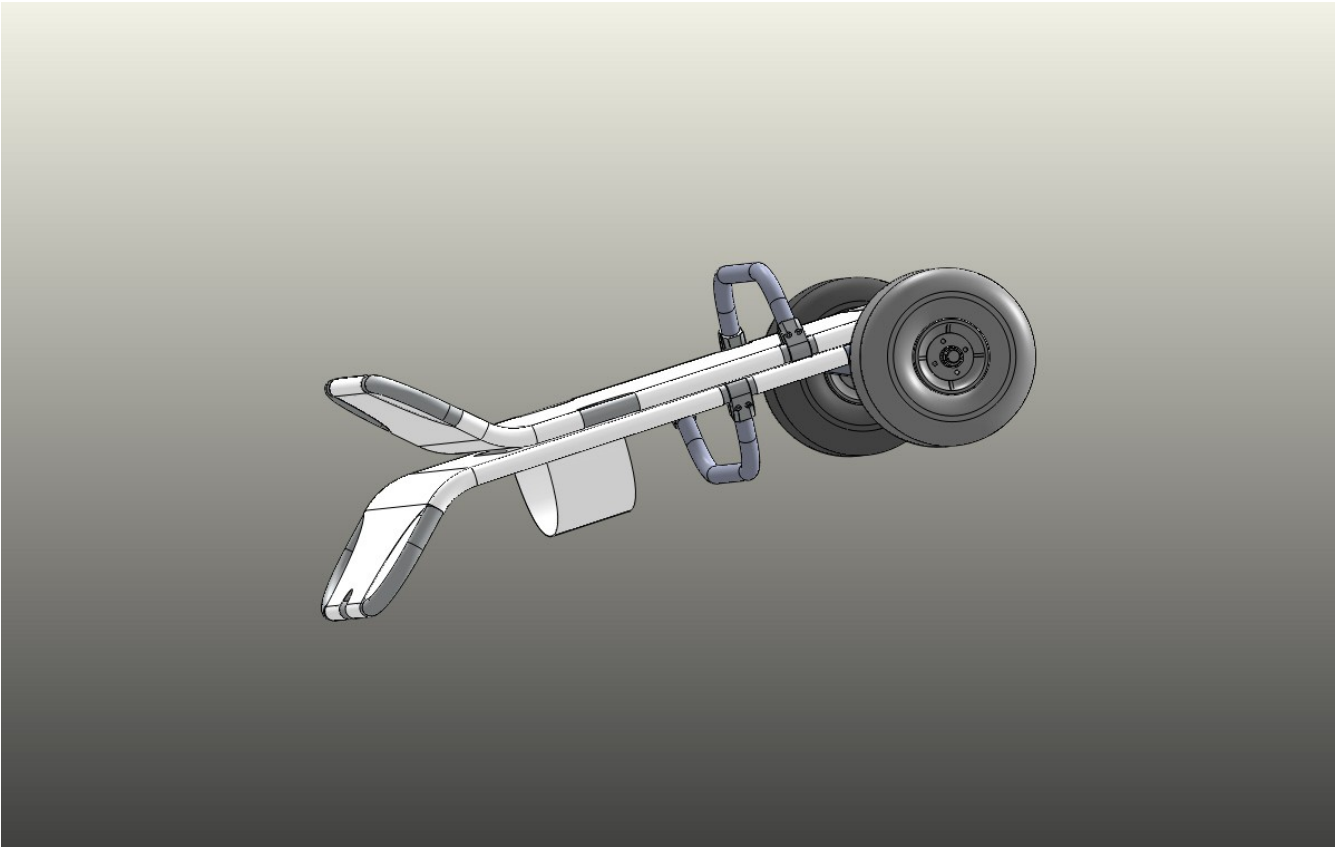


Fig 5. Removing wheels.

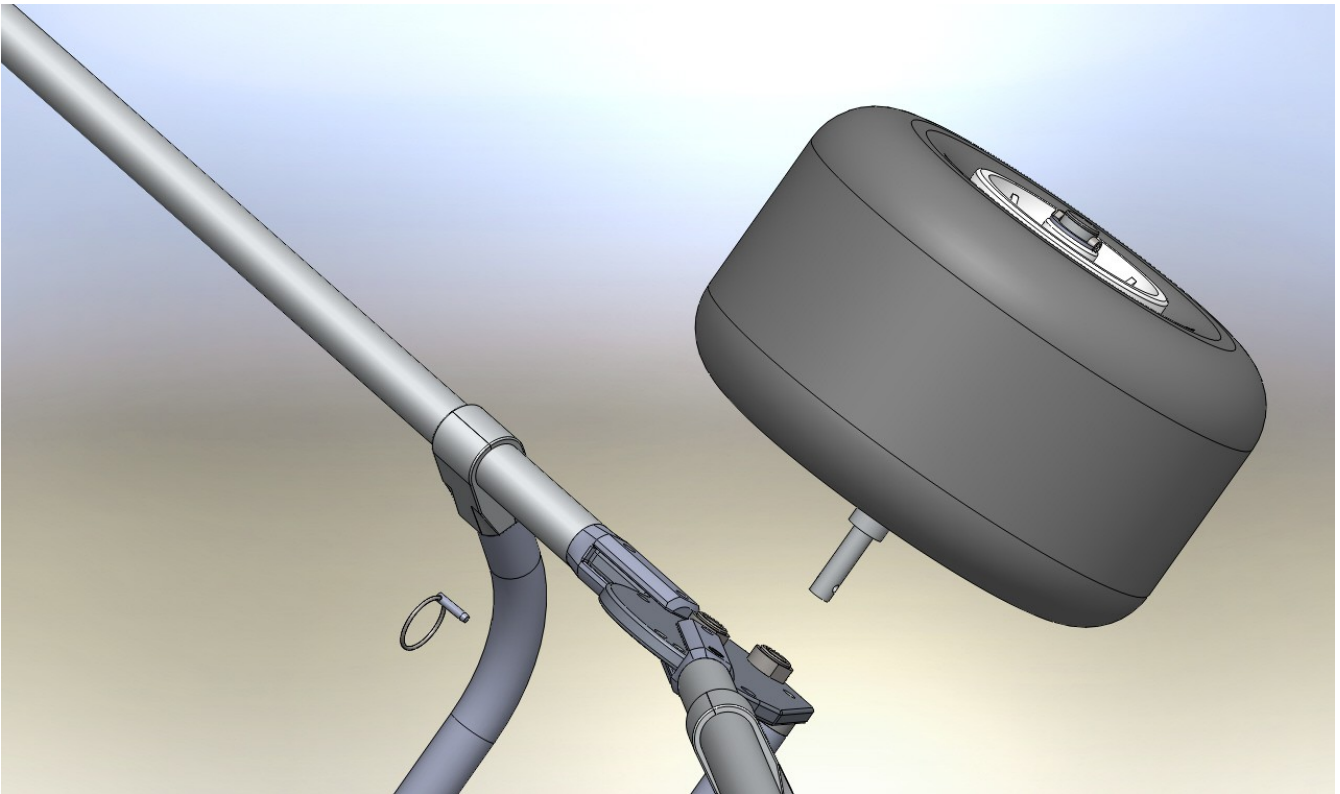
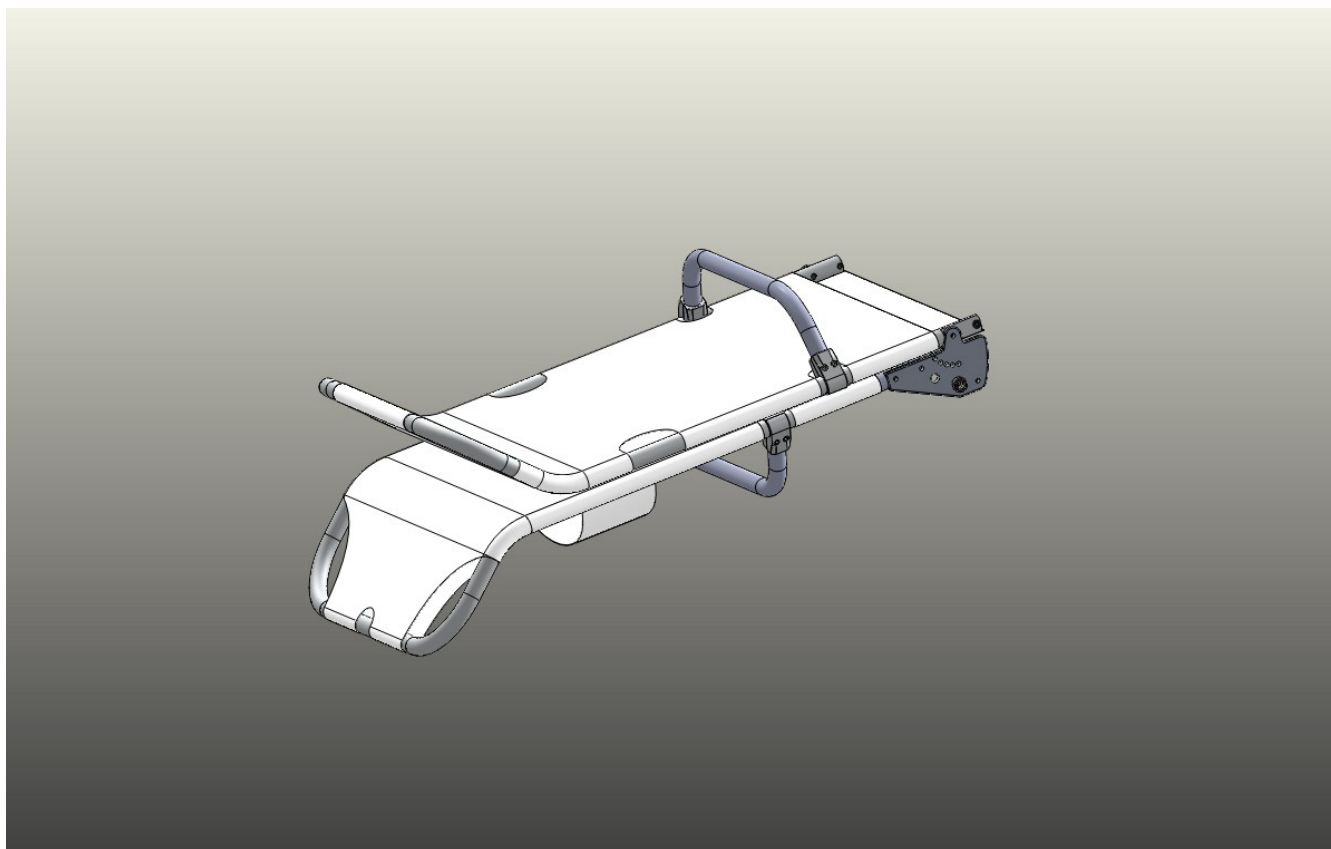


Fig 6. Tumboroller with wheels removed and totally folded.



6. Delivery and start up.

The Tumboroller comes assembled on a single box with all accessories needed for setting it up.

6.1. Delivery and assembly.

The tumboroller's box comes with this manual and everything needed for the set up so that you can enjoy the Tumboroller in less than 10 minutes.

We recommend reading this manual before operating the Tumboroller to familiarize yourself with the parts and positions , as well as for the care and maintenance of the Tumboroller .

6.2. Start up.

After removing the Tumboroller from the box, the user must put Wheellez wheels, which are mounted with a quick pin, and place the supports or legs in their respective spots or location (optional). Users who request the additional flotation pack will have to set it in the position that is most suited . These two steps will not take more than 10 minutes, then it will be ready for use.

7. Handling

To manage the Tumboroller is needed at least one attendant who must hold it when transferring, setting the backrest position that the user deems appropriate depending on whether the transfer will be done with or without kickstands.

The attendant, after setting the backrest to 75° position, will be in charge of setting the path towards the water or the place for enjoyment.

7.1. Setting methods.

The variety of support positions and wheels enables Tumboroller for almost any user and ground.

7.1.1. Backrest positions.

The backrest has five lying and bending positions . Five positions ranging from lying position to 75° transfer position (inclusive) .

7.1.2. Wheels positions and sizes.

Wheelez wheels have been designed to move across the soft sand, so wheel's size depends on the weight. Hence 30cm and 42 cm diameter have been chosen for Tumboroller.

There's a wheel position for any diameter, thus Tumboroller's geometry is not changed.

7.2. Getting on and off the Tumboroller.

The procedure to Get on or off the Tumboroller is always similar and with the help of an attendant who holds it. We can choose two options for transferring: from the side and from the rear.

7.2.1. From the side.

If we choose transferring from the side we have to follow a few steps . Firstly set backrest supports on their anchors , secondly set the backrest in the transfer position by releasing the pins and resting on the kickstands, on the third step, attendand will hold the Tumboroller's front section, 4th being placed on the backrest side , we will transfer to the Tumboroller and we will slide through the backrest reaching the seat.

To get off, we must proceed in this order ; 1st fix supports , 2nd unlock backrest so that kickstands rest on the ground , 3rd attendant weight on seat handles 4th We will get off the Tumboroller sliding through the backrest, reaching the backrest position suitable for transferring, in some cases might need assistance.

7.2.2. From the rear.

The process is similar transferring from the rear; 1st fix the supports , 2nd set the backrest to an angle that enables to rest it on the wheelchair's backrest (braking it), 3rd attendant will hold Tumboroller and 4th we slide through the backrest as a "slide".

To get off the process will follow this order; 1st fix supports, 2nd rest Tumboroller's backrest on Tumboroller seat, 3rd attendant holds Tumboroller and 4th will go through the backrest reaching the Tumboroller.

In both cases we ensure that the supports are in firm contact with the ground and well anchored in their spots. Also make sure the pins are not fixed , regardless of the chosen side or rear option

The role of the attendant is to prevent Tumboroller slide , as it has no brakes and could rise if the user's weight is placed above the union of the supports with the backrest , for avoiding that, it is sufficient to act on the handles seat, for example putting a foot on it and just let drop the weight.

In some cases the user will need help to slide through the backrest while getting on or off process.

7.3. Transfer by sand and sea access.

The 75° position is used for both, the transfer with Tumboroller as water access, both beach and pool. To do this the pins are fixed in this position and holding the handles of the backrest it must be pulled back to lift the foot area enough to move without difficulty.

7.3.1. Sea access.

Accessing the sea should be in days when bathing is permitted , excessive wave could dump the Tumboroller making difficult getting on it . Of course always with an attendant . Accessing the water must be always done facing the water.

7.3.2. Getting off the Tumboroller into the water.

Once in the water, getting off the Tumboroller is simple, either on the side or by sliding forward through the footrest area, while the attendant rises a little the backrest. If the depth increases, Tumboroller has a reinforcing bar in the back from which you can comfortably hold the Tumboroller.

7.3.3. Getting on the Tumboroller from the water.

For this movement, first the user must be placed at the Tumboroller's footrest area back to it, subjecting itself to the seat and while the attendant lifts the backrest so that the seat goes down, user will pull strongly reaching the sitting position. At this moment the attendant pulls down facilitating the sliding into it (spoon movement).

7.3.4. Out of the sea.

Once properly seated in the Tumboroller , the user and his attendant move towards the seashore by the most comfortable way. Once on the seashore, facing the sea, the user should push back while lifting the feet .

In beaches without much inclination and a flat sand can get out the water going backwards.

7.4. Pool access.

In the case of swimming pools , to facilitate entry and exit it must be at level 0 , otherwise the task of getting out of the water with Tumboroller it will be difficult as the distance between the edge of the pool and water grows , and in this case will require two people to leave the pool .

7.4.1. Getting into the pool.

The 75° position is used for both the transfer with Tumboroller as water access, both beach and pool. To do this the pins are fixed in this position and holding the handles of the backrest it must be pulled back to lift the foot area enough to move without difficulty.

For accessing the pool, go off the curb frontally as if it were a step until the Tumboroller begins to float.

7.4.2. Getting off the Tumboroller into the water.

Once in the water, getting off the Tumboroller is simple, either on the side or by sliding forward through the footrest area, while the attendant rises a little the backrest. If the depth increases, Tumboroller has a reinforcing bar in the back from which you can comfortably hold the Tumboroller.

7.4.3. Getting on the Tumboroller in the water.

For this movement first the user must be placed at the Tumboroller's footrest area back to it, subjecting itself to the seat and while the attendant lifts the backrest so that the seat goes down, user will pull strongly reaching the sitting position. At this moment the attendant pulls down facilitating the sliding into it (spoon movement).

7.4.4. Getting Out the pool.

Once on shore , standing facing the water , support the two wheels on the edge of the pool and pull up with two people if necessary .

The Beachchair always has to stay tilted back carrying the front of the Tumboroller and thus able to move when you are out of the water .

8. Maintenance and conservation.

8.1. Maintenance intervals.

The maintenance intervals depend on where the Tumboroller is used. In places where, because of the weather, it can be only used for two or three months, it is sufficient an annual review. In case of use without seasonal stop, screws should be reviewed every two months and as well as materials should be lubricated (wheels cleaning)

CAUTION

After each use in salt water or sand Tumboroller should be cleaned with fresh water.

8.2. Checking out screws.

Before every season check that the screws are tight. In places where you can use the Tumborolles during all year, screws must be checked every two months.

8.3. Cleaning and care.

After each use in salt water or sand Tumboroller should be cleaned with fresh water. The wheels should always be washed with fresh water after each use. Also after each season or before storing it, Tumboroller axles and screw should be lubricated with vegetable oil.