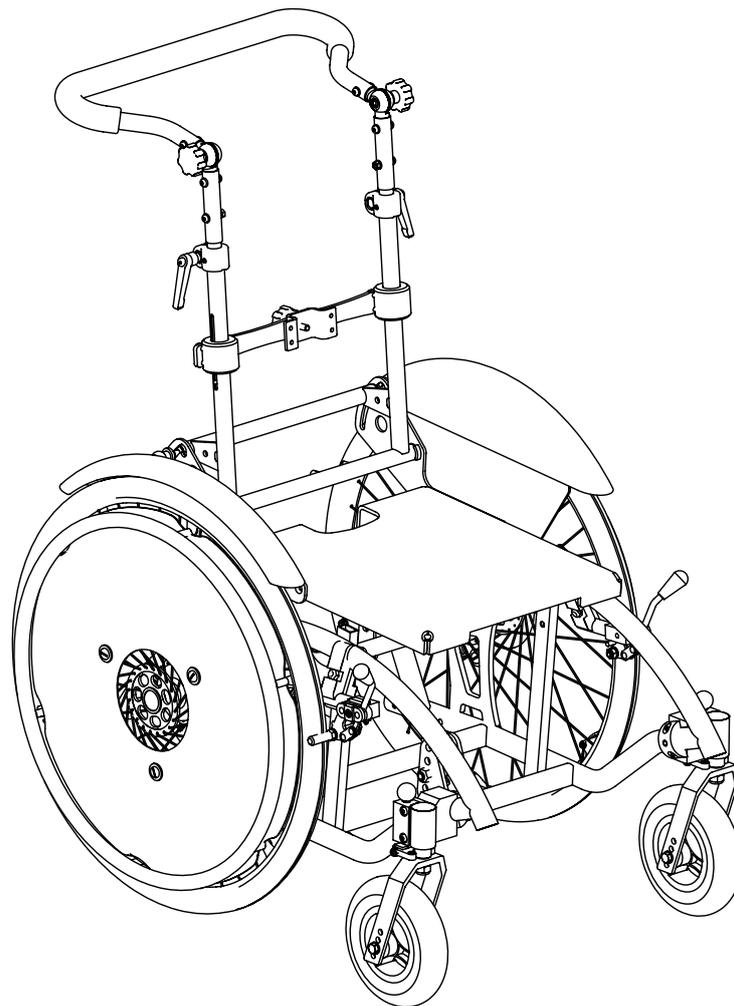


Mika Mobility Base

INSTRUCTIONS FOR USE

SERIAL NUMBER: _____

English



Preface

Dear customer,

We are pleased that you have chosen a high-quality product from Rehatec® GmbH, and we thank you for your trust.

These instructions are designed to help you familiarise yourself with your Mika mobility base and to show you how to handle it easily and efficiently in everyday use across a variety of applications. Once you have adjusted your mobility base to the optimal settings, it is ready for use—allowing you to benefit from it for a long time to come.

Please note that the illustrations and information in these operating instructions may differ slightly from your product due to individual configuration options. We reserve the right to make technical changes and improvements. Although these operating instructions have been prepared with the utmost care, errors cannot be completely ruled out. Rehatec® GmbH does not accept liability for such cases.

We wish you much enjoyment when using your Mika mobility base.

Rehatec® GmbH.

IMPORTANT!

Please read these instructions for use carefully before using your new Mika mobility base for the first time. Individuals with sensory, cognitive, or learning impairments may require the instructions to be translated or adapted for better comprehension. This may be done, for example, by reading the text aloud, simplifying the language, or providing additional explanations through a third party.

The operator must have read and fully understood the entire instructions for use. To ensure the user's safety, the operator must not have any impairments that could temporarily or permanently reduce attention or judgement.

Keep this manual readily accessible for future reference and ensure that it remains with the product. If the manual is lost, we will gladly provide a replacement copy.

The instructions for use can also be viewed and downloaded from our website at www.rehatec.com

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1. Intended use

The **Mika mobility base** is used to hold a seat shell or a seat system. Due to the large number of adjustment possibilities, it is ideally suited for the customised fit of its user. **Mika** is optimally adaptable to growth and to the most diverse needs.

The mobility base is used in general living areas, in care homes as well as in domestic situations. It is intended for indoor and outdoor use. The device must also be kept away from sources of heat and strong sunlight - risk of burns! Failure to observe this can lead to considerable damage and endanger both the user and the caregiver. In the event of improper use beyond the prescribed range, the warranty or any product liability will be null and void.

In order to ensure safe and successful operation for the user of Rehatec® GmbH devices, all notes, precautions and information in these instructions for use must be observed. Rehatec® GmbH does not give any guarantee regarding the suitability of this product for a specific therapeutic and diagnostic purpose. The user determines the appropriate use.

Risks

We are not aware of any risks associated with the use of the **Mika mobility base**. However, the following should be observed:



The user/caregiver must be instructed in the proper use of the device. The individual abilities and limitations of the respective user must always be taken into account. Never leave the user unsupervised!

1.1 SCOPE OF APPLICATION/INTENDED PURPOSE

Mika is used to accommodate a seat shell or a seating system, which are used for various medical conditions such as: infantile cerebral palsy, myelodysplasia, muscular dystrophy and conditions with scoliotic spinal deformities.

1.2 RESPONSIBILITY

The user is responsible for the intended use as well as for the maintenance and care of the product. Product modifications, repairs, maintenance work and extensions may only be carried out by authorised persons. Only original spare parts and original accessories may be used. **Rehatec® GmbH** only provides a warranty if the product is used under the specified conditions and for the intended purposes (see also chapter „Warranty and service“).

1.3 DECLARATION OF CONFORMITY

The corresponding declaration of conformity can be found on www.rehatec.com in the download area. The CE mark must be removed if the Rehatec® product is converted, modified or used in combination with unauthorised products from other manufacturers. The CE mark also expires if non-Rehatec® original spare parts/accessories are used.

1. Intended use

1.4 CARE AND MAINTENANCE

 *The user is responsible for regular maintenance and care.*

1.4.1 CLEANING

 *Do not use abrasive agents or rough cloths for cleaning.*

- You can use any conventional cleaning agent to clean the entire product. Observe the care and safety instructions on the respective cleaning agent.
- Clean the powder-coated basic frame as well as the chrome-plated and powder-coated accessories with a soft, slightly damp cloth. Then dry the parts thoroughly.
- To keep the drive wheels looking their best, clean the rims, wheel guard and spokes with warm water and washing-up liquid (please do not use too much). Spray the corresponding parts with a spray bottle and let it soak in for a few minutes. Afterwards, you can also use a garden hose to wash away soap if you set the water jet to soft.

 **Do not use a high-pressure cleaner**

1.4.2 MAINTENANCE

 **Never use a unit that is not in perfect condition.**

In case of excessive wear or if worn out parts are not replaced, the safety of the product may no longer be guaranteed.

 **Faults, malfunctions or defects may only be repaired by the manufacturer or an approved technician.**

 **Do not make any changes to the product.**

In case of complaints or problems, please contact your service provider/specialist dealer.

 **Only use original spare parts/accessories or those approved by Rehatec® GmbH.**

Before each use

Please check the following functions before each use:

- All connections and components required for use. You can treat moving parts/mechanisms with a Teflon spray (dry lubricant) and wipe off excess residue with a soft cloth.
- Drum brake functionality

During use

- It is important that all components are undamaged during use. Therefore, check them regularly and have them repaired or replaced if necessary.

 **Taking into account any maintenance that may need to be carried out earlier, a maintenance interval of 12 months is specified for the device in accordance with the following inspection schedule.**

1. Intended use

1.5 REUSING THE MOBILITY BASE

1.5.1 REUSE OR REPROCESSING

The operator/service provider is responsible for reuse or reprocessing.

The Mika mobility base is basically suitable for reuse, although certain products in reuse could be subject to special stress.

When the product is used again, it is important that all documents belonging to the unit are handed over to the next user.



Before each reuse, the product should be thoroughly inspected according to the inspection plan and cleaned according to the following reprocessing instructions.

Important notes on preparation:

Do not use abrasive agents or rough cloths for cleaning.

The powder-coated base frame, the drive wheels, wheel guard and the chrome-plated and powder-coated add-on parts must be cleaned with a CE-certified disinfectant. Dry the parts thoroughly afterwards. Alternatively, disinfection can also be carried out in a certified cold fogging system.

Lifetime

A corresponding list of service lives can be found at www.rehatec.com in the download area.

1.5.2 DISPOSAL



The product must not be disposed of with household waste.

The Mika mobility base must be disposed of properly. Please contact your specialist dealer.

Packaging materials are to be separated according to their waste types and disposed of via the waste containers in accordance with the municipal recycling rules. Waste disposal may vary from municipality to municipality. For proper disposal, please contact your municipal waste disposal service or the administration of your place of residence, if necessary. Observe the disposal regulations of your country.

1.6 WARRANTY AND SERVICE

Warranty services refer to defects of the product that are demonstrably due to material or manufacturing defects.

The Mika mobility base comes with a 3-year warranty on the frame parts. Such defects will be repaired by **Rehatec® GmbH** free of charge. Upholstery, wooden parts, fabrics and castors are excluded from the guarantee. The warranty conditions of the manufacturer apply to the electrical components.

Rehatec® GmbH cannot accept any further warranty or liability for damage resulting from:

- Non original or non **Rehatec® GmbH** approved spare parts and accessories
- Changes or adulterations of the product not approved by **Rehatec® GmbH**
- Natural wear and tear or excessive strain
- Use not in accordance with the intended purpose or violent damage
- Failure to observe the operating instructions

1.6.1 WARRANTY CONDITIONS

- Complaints must be made in writing.
- The warranty does not apply in the event of design modifications without the written consent of **Rehatec® GmbH**.
- Defective or replaced parts are the property of **Rehatec® GmbH**.
- The warranty does not cover accidental damage.

1.6.2 SERVICE / COMPLAINT

Rehatec® GmbH is at your disposal for complaints, enquiries and for further information or ordering of accessories and retrofittable additional equipment.

2. Safety

2.1 SIGNS AND SYMBOLS

 **Caution!**
Indicates notes that are particularly relevant to safety.

 **Important!**
Indicates particularly useful information in the respective subject context.

2.2 SAFETY INSTRUCTIONS

Please follow all instructions in this manual carefully. Incorrect operation can impair important functions. All safety provisions and other regulations must be observed at all times by both the user and the accompanying / supervising person.

General

-  Never leave the user unattended. Constant supervision by a caregiver is required.
-  Under the following circumstances and / or symptoms, the active and/ or passive use of the device must be explicitly clarified with the attending physician or therapist: Users with non-intact skin; with serious tonus dysregulation.
-  The maximum permissible load must not be exceeded. Note that the specification refers to the patient incl. seat shell (see chapter „Technical data“). If necessary, use a stronger gas spring.
-  The mobility base is only approved for use by the person for whom it has been adapted for by the specialist dealer.
-  The user must be adequately fixed/secured against falling out without limiting his comfort.
-  Surfaces can heat up due to heat input - there is a risk of burns at temperatures above 40°C! To protect the user from burns, keep the appliance away from heat sources. (e.g. fireplaces) and strong sunlight.
-  Load the mobility base only at the permissible points - excessive loading due to incorrect handling (e.g. by attaching objects, supporting or leaning on, etc.) leads to the risk of tipping over.
-  The mobility base may only be operated by authorised or instructed persons who have read and understood the complete operating instructions.
-  The handling of the device must be practised. This applies to selfdrivers as well as accompanied and operating persons. Non-authorised people should not use this device.
-  Never carry the unit with the user with the user sitting in it.

 Observe additional safety instructions under „Setting the unit“.

Setting/function

-  Before each use of the appliance, all adjustments must be correctly made. Before each use, check that all parts are fastened securely.
 -  Check all settings at regular intervals. Check all screw connections for tightness and check the wheels regularly. Carry out maintenance at the specified intervals (see chapter „8. Care and maintenance“). Only regular inspection of all safety-relevant parts will maintain safety and the manufacturer’s warranty.
 -  Never use force when making adjustments, as improper handling can cause defects and damage to the unit
 -  Combinations of the mobility base with non-permitted third-party products can be dangerous. The manufacturer accepts no liability for damage and/or complications resulting from such combinations.
 -  The device must not be modified without the permission of the manufacturer. In the event of defects, damage or modifications, the mobility base must not be used.
 -  Repair and adjustment work may only be carried out by **Rehatec® GmbH** and authorised dealers and without the user in the unit. Please pay attention to the danger of pinching and crushing of all rotating/ moving parts!
 -  Adjustment ranges must not be exceeded. A secure connection of the parts must be guaranteed.
- ### Environment/operation
-  When using on uneven ground or slopes and during transport, follow the instructions (see chapter „Handling“).
 -  Operation only at an ambient temperature of -5°C to 35°C.
 -  Store the mobility base only indoors.
 -  To avoid the risk of fire, never use the mobility base near or in connection with flammable materials or objects that can cause fire.
 -  The mobility base must not be used in wet areas or in environments with high humidity. It must be protected from moisture.

3. Product and delivery overview

3.1 SCOPE OF DELIVERY

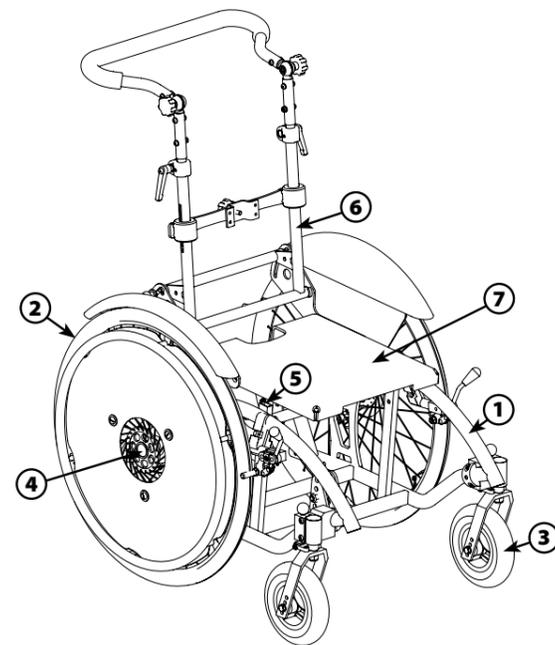
The Mika mobility base can be individually equipped with accessories. Technical data on size and permissible weight can be found in the table in chapter „Technical data“.

The Mika mobility base is usually delivered fully assembled and with a basic set-up. To avoid damage during transport, removable and unattached parts are packed separately in the carton.

The standard scope of delivery includes the following components:

i The illustration may differ from your product due to the individual equipment options.

Mika
① Base frame (straight; abduction frame)
② Drive wheels (12"; 20"; 22"; 24")
③ Front castors (6"; 7"; 8")
④ Brake handles/drum brake
⑤ Seat height adjustment Seat tilt via gas spring
⑥ Backrest, adjustable for height and angle Push bar
⑦ Seat plate



3.2 ACCESSORIES

Accessories are parts or components that are not included in the standard version of your mobility base.

It is recommended to order the desired accessories with the initial order. However, you can also purchase and fit all accessory components at a later date. For further information, please contact your specialist dealer.

You can purchase the following accessories:

- Additional gas spring for seat tilt
- Gas spring for backrest tilt adjustment
- Push bar, angle adjustable
- Back mounting system with fixed angle
- Back mounting system with adjustable angle
- Trapezoid adapter (complete; lower part)
- Direction lock for 7" castors and bigger
- Tip assist
- Anti-tip
- Wheelchair-tiedown and occupant-restraint system
- Wheel guard for 20" wheels and bigger
- Spokeguard
- Parking brake / knee lever brake
- Armrests (seat or backrest mounted)
- Footplate (1 piece; split)
- Footplate mechanisms (adjustable foot angle; folding mechanism)
- Heel loop
- Calf supports
- Mounting for separate footplate

i Further information and data can be found at: www.rehatec.com Or simply request them by email, fax or post.

! When selecting and attaching the medical accessories, ensure that the mobility of the unit is not impaired.

3.3 DELIVERY CHECK

Please check that your delivery is complete and intact. In case of damage or incomplete delivery, please contact our customer service:

Phone: +49 (0) 6228-91 36-0

When reordering accessories or spare parts, you should always state the serial number. The serial number is located on the type plate. (See chapter „Product identification“).

4. Handling

Mika is primarily intended as a wheelchair to be pushed, but it is also suitable for independent operation. Taking into account the instructions for use and the individual's skills and knowledge, the decision about independent operation and the routes to be travelled is at the discretion of the user or the caregiver.

The specialist dealer will provide information about the various adjustment possibilities of the mobility base and about the effects on the driving behaviour.

4.1 GENERAL DRIVING CHARACTERISTICS

-  When sitting down and standing up from the mobility base, do not step on what you think are steps (e.g. footplate) - there is a risk of tipping over! Only get on and off the mobility base with the parking brake applied, on firm, level ground.
-  Before each use, check the firm attachment of the seat shell.
-  Do not hang any objects on the push handle or back - danger of tipping over!
-  Never reach between the spokes while using the wheelchair.
-  Always apply the brake on both sides. Do not put weight on the brake lever. Before each use, check the condition of the wheels and the proper functioning of the brakes.
-  On unpaved ground (gravel, mud, ice etc.), there is limited manoeuvrability and a risk of tipping or sliding.
-  Danger of tipping over due to changes in the ground condition (subsoil, edge, slope, weather etc.).
-  Avoid dangerous paths, e.g. steep slopes, downhill sections, narrow paths, etc.
-  A sudden push can cause the unit to tip over.
-  Extreme adjustments and unfavourable body posture, e.g. leaning out too far, increase the risk of tipping over.
-  If the front castors are wobbling, reduce the driving speed.
-  The mobility base may only be used on public walkways if you have experience in driving. The mobility base may only be driven where pedestrian traffic is permitted. When participating in public traffic, equip the device with reflectors. The traffic regulations must be observed.
-  Secure the mobility base against rolling away by applying the parking brake.

4.2 BALANCING TIPS

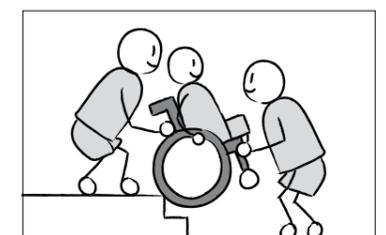
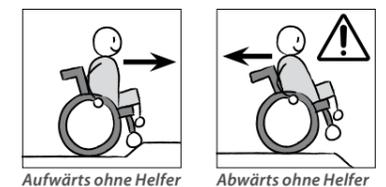
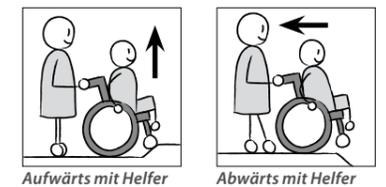
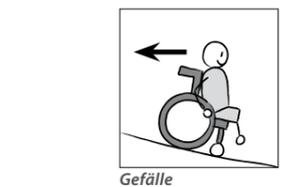
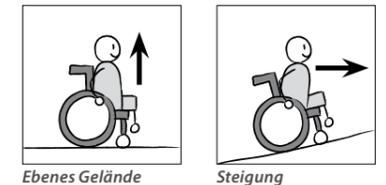
 Changes in the centre of gravity always affect the behaviour of the mobility base. The centre of gravity can be influenced by changing the body posture as well as by changing the equipment settings (the influence of the equipment settings on the centre of gravity is described in the corresponding section).

The use of the device should be practised for the different environmental conditions with the support of an assistant. For inexperienced users, the use of anti-tips is recommended.

-  Danger of tipping over! Drive on slopes and obstacles (steps/edges) very carefully and at minimum speed. If possible, incline the upper body forward in the uphill direction (bear in mind the increased effort required).
-  For active users the seat and back positions must be set to 90° angle.
-  When driving over obstacles (steps/gutters), move the anti-tip into the passive position - to avoid the danger of being broken or bent (see chapter „Anti-tip“).
-  To drive over obstacles, actively tilt the unit, if necessary, or take advantage of the assistance of a support person.
-  Always approach obstacles head-on. Increased danger of tipping over with a sloping or sideways approach. Do not drive parallel on slopes or level crossings - the device might tip over.
-  Maximum permissible angle of a drivable slope 10°. Do not drive across the slope because of the increased risk of tipping over.
-  Increased risk of tipping over when cornering and turning. When changing the ground clearance, pay attention to footrests.
-  On long downhill stretches, only drive so fast that the unit can be brought to a quick standstill at any time.
-  When folded over or with a back tilt >90° resulting a change of the centre of gravity, activated anti-tips are necessary!

Stairs/ramps

-  Only climb stairs with the help of two attendants. Climb stairs only by pushing or pulling the device, do not carry it. Swivel antitip into passive position. Be careful for back strain.
-  Never use escalators (even with an escort). You should only grip the device by the frame or backrest, never by the push bar or mounted accessories.



4. Handling

- ⚠ Only hold onto fixed frame parts and the backrest, never the push bar or other attached parts.

Push rim

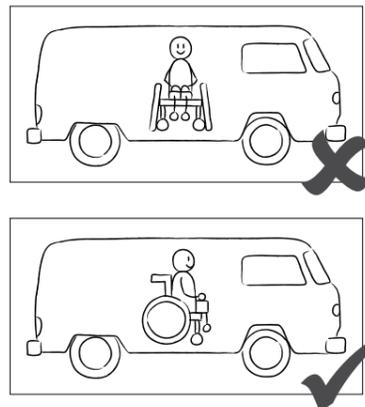
- ⚠ Careful of hands when driving through narrow spaces or entrances - risk of injury.
- ⚠ Do not place your fingers between the wheel cover or back angle adjustment - risk of crushing.
- ⚠ The push rim can heat up during longer downhill sections or when braking from fast travel. Use suitable wheelchair gloves for protection.

4.3 TRANSPORT IN MOTOR VEHICLES

- i** This mobility base is tested according to ISO 7176-19 and approved as a seat for transport in motor vehicles with wheelchair securement adapter.
- i** For the transport of passengers in a vehicle, the Mika must be equipped with the wheelchair securement adapter available from specialist dealers. This can be ordered mounted on the unit or obtained from a specialist dealer.
- i** The safest way to transport passengers is in a standard vehicle seat with a three-point safety belt. Transport in a wheelchair secured in the vehicle does not offer the same level of safety.

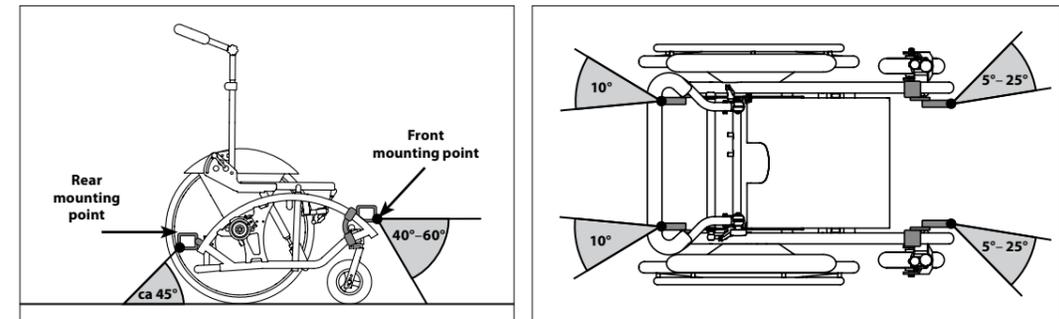
Fixing the mobility base

- ⚠ Mika is only approved for the transport of passengers in vehicles with a special fastening system (wheelchair securement adapter).
- ⚠ The wheelchair securement adapter is only approved and to be used in conjunction with the associated wheelchair support system. For the transport of wheelchairs / mobility bases with persons, the motor vehicle must be equipped with the corresponding wheelchair securement system.
- ⚠ The manufacturer's instructions for use for wheelchair securement adapters / wheelchair support systems must be followed.
- ⚠ After vehicle collisions, the mobility base, seat shell and fastening system must be inspected by the specialist dealer before further use and replaced if necessary.
- ⚠ Passengers may only be transported in mobility base in the direction of travel.



- ⚠ For transport, all attachments (e.g. tray, loose parts) must be removed if possible and safely stowed in the vehicle.
- ⚠ The brakes must be applied for transport (see unit setting „Drum brake“).
- ⚠ Nearby airbags must be deactivated.
- ⚠ Tension or static belts for the front and rear may not be interchanged.

Recommendation for the mounting brackets on the wheelchair tie-down and occupant restraint system

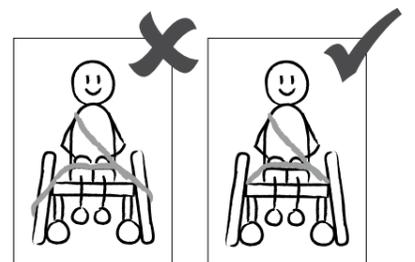


- ⚠ As the mounting depends on the wheelchair-accessible features of the individual vehicle, it is essential to follow the manufacturer's instructions!

Seat belts

- ⚠ Belts must not be twisted and must be taut so that the user is adequately secured but comfort is not compromised.
- ⚠ The belt and belt buckle must not be fitted over parts of the mobility bases or the seat shell (e.g. armrests, wheels) and thus kept away from the body. Buckles must be securely fastened.
- ⚠ The seat belt buckle must be securely latched. The user must be secured with a lap and shoulder belt.

The lap belt must be close to the body, just above the pelvic bones. The diagonal shoulder belt runs centrally over the collarbone. To fasten the diagonal shoulder belt, the buckle on the lap belt must be on the outside of the pelvis as far as possible. The lap belt buckle is located centrally between the pelvic bones. The back should be placed in an upright position (90° angle). A headrest suitable for transport should be positioned centrally and close to the head when the head is upright.



4. Handling

! During all adjustment work, be aware of the risk of pinching and crushing. Adjustments should be carried out by two people to prevent possible injuries!

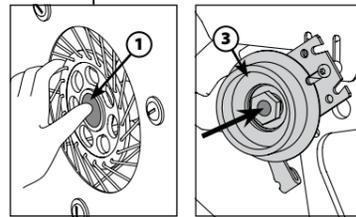
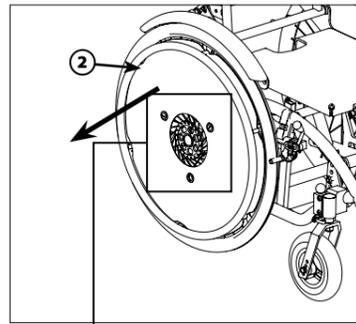
The numerous adjustment options must be repeatedly readjusted to suit the user during the course of the illness and as they grow. Only a perfectly adjusted seat shell chassis enables controlled use of the device.

5.1 DRIVE WHEEL

- !** Pay attention to the danger of pinching and crushing!
- !** The parking brake must be readjusted after changing the wheel.
- !** The quick-release axle must be fully engaged.
- !** Observe correct air pressure and sufficient tyre tread.
- !** The drive wheel must only be able to be removed when the button is pressed. Check that the wheel is secure by pulling on the wheel.
- !** Assembly and adjustments only without occupants.

Mounting the drive wheel

Release the brakes. Press the quick-release axle ① release with one hand and hold. Pull off the drive wheel ② with the other hand. If necessary, hold the drive wheel with one hand. Quick-release with the other hand. Operate the axle release and press the wheel into the drum brake carrier ③ until it engages automatically.

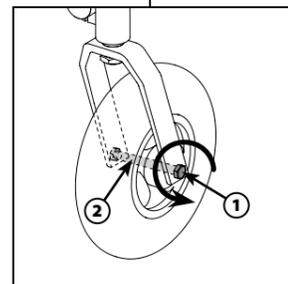
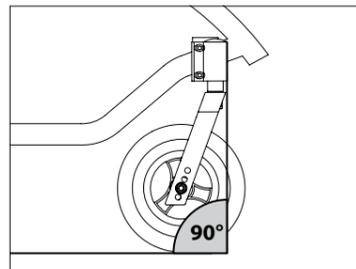


5.2 FRONT CASTOR

The front castor position is decisive for the straight-ahead travel of the frame and is optimally preset in the delivery state.

- i** Small wheels make the frame more manoeuvrable, large wheels make it easier to negotiate obstacles.
- i** After changing the size of the drive wheel or altering the range, the height of the front castor may have to be adjusted.
- i** The steering axle must be perpendicular to the road.
- !** These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers and with an unoccupied mobility base.
- !** Ensure sufficient tyre tread. For optimum driving characteristics, align the steering axle perpendicular to the ground.

Loosen the nut ① while holding the screw ② on the opposite site. Remove the screw ②. Re-position the front castor. Re-insert the screw ② and tighten the nut ①.



5.3 DIRECTION LOCK (OPTIONAL)

The direction lock prevents the castors from turning and is suitable for long straight movements.

- !** Attention must be paid to the danger of pinching and crushing!
- i** When the direction lock is activated, the front castor forks must be in line.
- i** The castor wheels must be aligned parallel to the drive wheels.

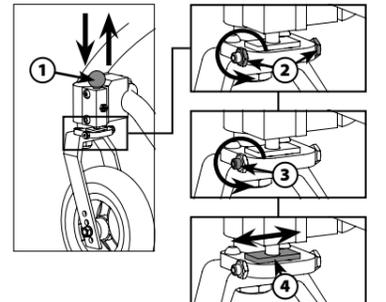
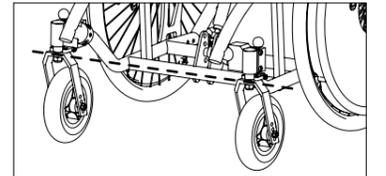
Activate direction lock: Press the knob down.

Deactivate direction lock: Pull the knob upwards.

Aligning the forks

- !** These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers.

Press the knob ① down. Align the forks in a parallel position. Align the sliding block ④ by tightening or loosening the screws ③. Tighten the nut ② again.



5.4 DRIVE WHEEL TRACKING

The wheel track influences the smoothness of the mobility base and is optimally preset when delivered.

- i** The distance between the drive wheels and the centre of the unit should be the same.

5.5 WHEELBASE

Changing the wheelbase has an effect on the driving and tipping behaviour of the device. The choice of setting depends on the type of use as well as the individual skills and driving knowledge of the user and the assistant.

- !** These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers and only when unoccupied.
- !** Attention must be paid to the danger of pinching and crushing.
- !** A short wheelbase requires a confident operation of the mobility base.
- !** The centre of gravity must be adjusted so that the frame is stable and cannot tip backwards. If necessary, use anti-tips. Seat and back angle adjustment change the centre of gravity - risk of tipping.

5. Unit settings

! Changing the centre of gravity by readjusting of add-on parts, may have to be corrected via the wheelbase. After changing the wheelbase, the parking brake must be reset.

i A greater distance of the drive wheels from the body's centre of gravity produces greater stability.

i The closer the drive wheels are to the body's centre of gravity (short wheelbase), the more manoeuvrable the frame becomes. Driving characteristics and steering behaviour are improved. The effort required by the user (self-driver) or assistant is reduced. The risk of tipping is therefore increased.

Adjusting the wheelbase

Remove the wheel (see chapter „Drive wheel“). Unhook the bowden cable by pressing the brake release ① up. Undo the screws ② by holding the nut and remove the drum brake and spacers. If attached, remove the wheel guard and re-position the wheel. Reassemble the parts in reverse order.

! Tighten the screws alternately until all screws are securely fastened!

5.6 WHEEL GUARD (OPTIONAL)

i Before making any adjustments, the drive wheel must be removed (see chapter „Mounting the drive wheel“).

Height adjustment

Loosen the screws ① by holding the nuts on the rear side. Loosen the wheel guard to a distance of 5 - 10 mm. Tighten the screws ① again.

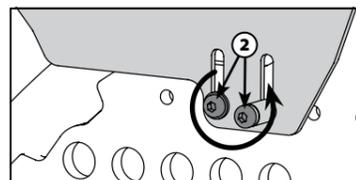
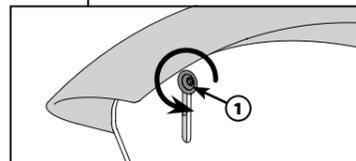
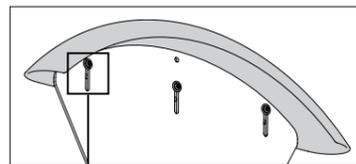
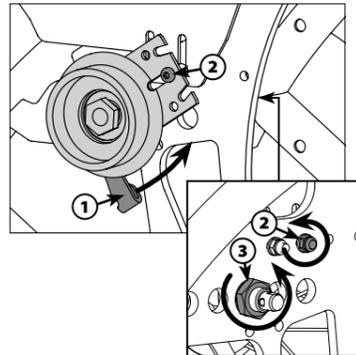
Assembly

Remove the drum brake (see chapter „Wheelbase“). Remove the bolts ② by holding the nuts on the back. Loosen the nuts. Mount the wheels guards. Tighten the nuts again.

5.7 SPOKEGUARD (OPTIONAL)

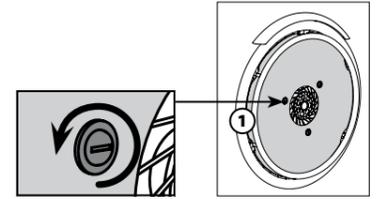
The spokeguard prevents hands catching in the spokes and the resulting injuries.

! Tighten the screws alternately until all screws are securely fastened!



Assembly

Unscrew the screws on the handrim and carefully remove. Attach the spokeguard ①. Tighten the screws on the spokeguard ①. Replace the handrim carefully.



5.8 DRUM BRAKE

The brake levers allow assistants to brake while pushing. They cannot be used by active users.

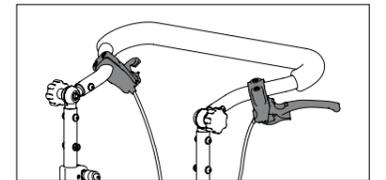
! Check the function of the brakes before every ride. Precise adjustment of the brakes and regular Maintenance is essential for safe brake function (see chapter „Maintenance“).

! The braking effect must be the same on both sides. Always apply the brakes on both sides -to avoid danger of tipping over. The braking effect can be reduced by downhill gradients.

! Set the brake to the parking position when the unit is not in use.

Operating the brake levers on the push bar

i The braking effect of the locking positions can be set with the adjustment screw on the brake cable. The braking effect should be within the ranges shown. The safe parking position must be ensured.

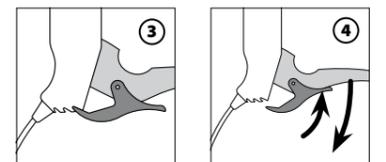
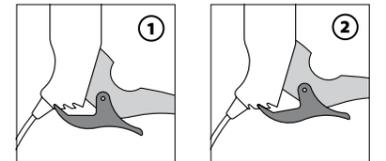


① **Light braking:** By pulling lightly on the brake lever, engage the lock in the first tothing.

② **Heavy braking:** By pulling firmly on the brake lever, engage the lock in the second tothing.

③ **Parking position:** By pulling firmly on the brake lever, engage the lock in the third tothing.

④ **To release the brake:** Tighten the lock and brake lever, release the brake lever with the lock tightened.



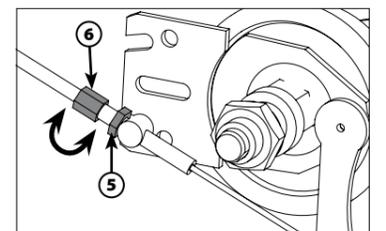
How to adjust the braking effect

! Assembly and adjustment only when mobility base is unoccupied.

! The functionality of the brake must be checked regularly and corrected if necessary.

Undo the nut ⑤. Adjust the brake pressure by turning the screw ⑥. Turning to the drum brake reduces the braking effect. Tighten the nut ⑤ again.

i Check the braking effect according to the locking positions. Repeat the procedure if necessary.



5. Unit settings

5.9 PARKING BRAKE ON THE DRIVE WHEEL (OPTIONAL)

Parking brakes secure the mobility base against rolling away when stationary. They are not suitable for braking while moving.

-  These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers and only when unoccupied.
-  Always check the function of the brakes before moving. Precise adjustment of the brakes and regular servicing is essential for safe brake function. (see chapter „Maintenance“).
-  After changing the wheel or tyres, the parking brake may have to be readjusted.
-  The brake function is only effective with the correct air pressure and tyres. The braking effect must be the same on both sides.
-  Only apply the brake when the unit is at a standstill. Do not use brakes to reduce speed while driving. Always apply brakes on both sides - danger of tipping over. Do not rest on the brake lever.
-  Attention must be paid to the danger of pinching and crushing!

Position of the parking brake

The position of the brake carrier is determined by wheel size and wheelbase. The position can be adjusted depending on the equipment and setting.

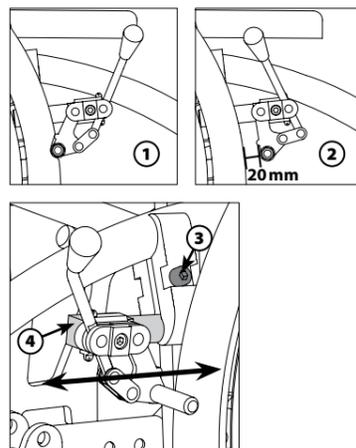
- ① **Activated brake:** The wheel must not turn.
- ② **Deactivated brake:** The distance between the wheel and the brake cylinder should be approx. 20 mm.

 Distance dimension depends on tyre size, tread and pressure.

Settings the position

Loosen screw ③.
Slide the mounting bracket ④ until the desired distance is attained.
Tighten screw ③.

-  Always use at least two screws spaced at least one hole apart!
-  Tighten the screws alternately until all screws are securely fastened!



5.10 TILTING THE SEATING POSITION

The seat angle can be changed at any time for a more comfortable or therapeutically useful position.

-  Due to increased risk of tipping due to recline adjustment, use anti-tips.

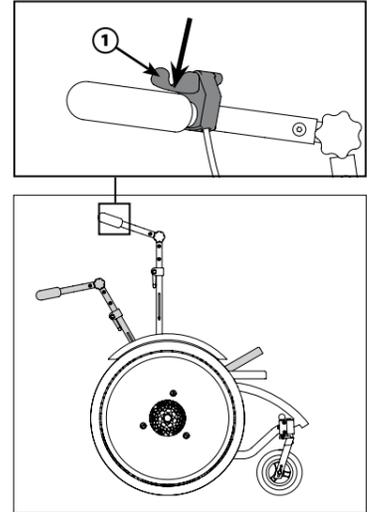
-  Apply the brakes before adjusting the seating position.

Press and hold the release lever ① on the adjustment handle. Adjust the frame to the desired tilt.

Tilt the seat backwards: Press the seat down with both hands on the push bar.

Tilt the seat forward: Pull the seat upwards with both hands on the push bar.

Release the lever ① when the desired tilt angle is attained.



5.11 BACKREST ANGLE ADJUSTMENT

The backrest can be adjusted either by gas spring (release lever on the push bar) or manually.

-  Due to the increased risk of tipping due to reclining angle of the backrest, use anti-tips. Apply the brakes before adjusting the backrest angle.

-  An adjustment >90° is not permissible when driving independently on slopes / inclines.

-  Attention must be paid to the danger of pinching and crushing!

Manual adjustment

The manual back angle adjustment is continually variable.

Loosen the clamp ①.
Set the back to the desired position.
Tighten the clamp ① firmly again.

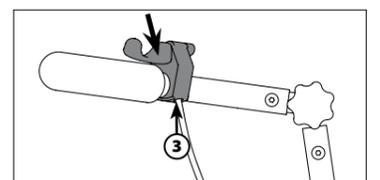
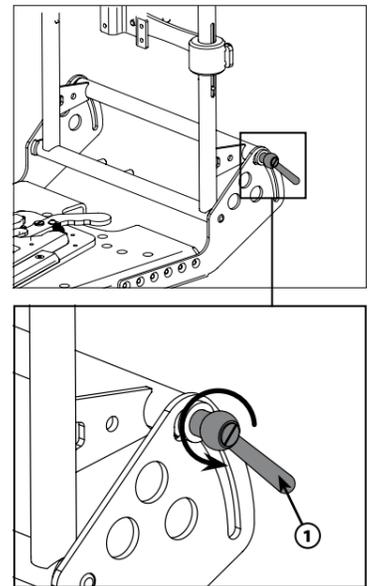
-  Check the backrest for secure fastening.

-  The clamp lever must be firmly tightened - otherwise there is a risk of injury.

Gas spring adjustment (optional)

The gas spring back angle adjustment is continually variable.

Press and hold the release lever ③. With both hands on the push bar, adjust the angle of the backrest. Release the lever ③ again.



5. Unit settings

5.12 FOLDABLE BACKREST

For easy transport of the unit, the back can be folded up to the seat plate.

-  Before the back can be folded, the seat shell must be removed. There is no locking mechanism when the back is folded.
-  Attention must be paid to the danger of pinching and crushing.

Fold up manually

Set the backrest to the forward position (see chapter „Back angle adjustment“). Press the pins ① together with one hand and fold the back forward with the other hand. Move the push bar forward and downwards (see chapter „Push bar“).

To unfold, press pins ① together with one hand and fold up until the locking pins are against the guide ②. Release the pins ① and let the locking bolt engage. Adjust the push bar.

-  Check that everything is securely fastened by pulling on the backrest.

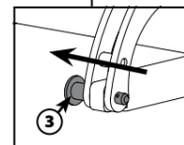
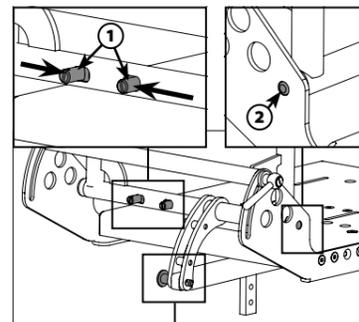
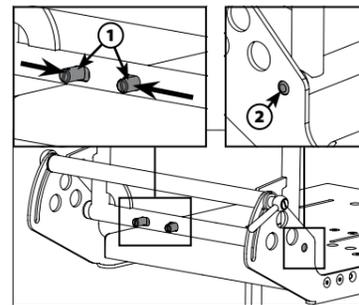
Gas spring adjustment

Set the backrest to the forward position (see chapter „Back angle adjustment“). Press the quickpin ③ with one hand and pull. Put the gas spring down with the other hand.

Press pins ① together with one hand and with the other hand fold the backrest forwards. Move the push bar forwards and downwards (see chapter „5.15 Push bar“).

To unfold, press pins ① together with one hand and fold up until the locking pins are against the guide ②. Release the pins ① and engage locking bolt with one hand. Engage the guide and press quickpin ③ with the other hand. Operate and push it through until it automatically engages. Adjust the push bar.

-  Check that everything is securely fastened by pulling on the backrest.

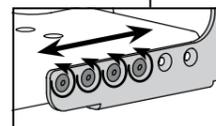
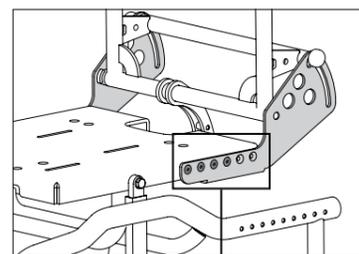


5.13 SEAT DEPTH ADJUSTMENT

-  These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers and only when unoccupied.
-  Adjust wheelbase if necessary due to change in centre of gravity. Adjustments only when unoccupied.

Loosen the screws ① on both sides.
Move the backrest to the desired position.
Tighten the screws ① again.

-  Use at least four screws. Tighten screws alternately until all screws are securely fastened.

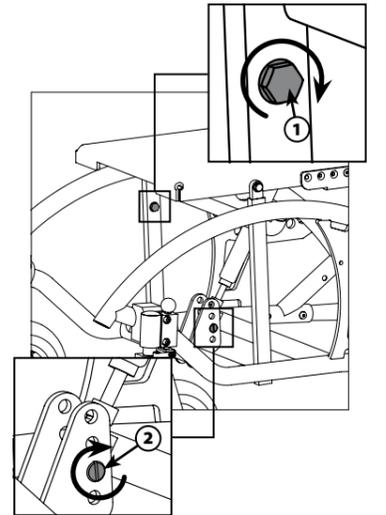


5.14 SEAT HEIGHT ADJUSTMENT

-  These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers.
-  The seat must be in a horizontal position, i.e. parallel to the floor. It should not be in a forward lean.
-  Adjustments only when unoccupied.

Loosen the screws ① on both sides. Hold the nut ② on the other side firmly. Adjust the gas spring by the same number of holes as the seat plate. Tighten the screws ① and ② again.

-  Tighten the screws alternately until all screws are securely fastened.
-  Check that everything is securely fastened by pulling on the seat.

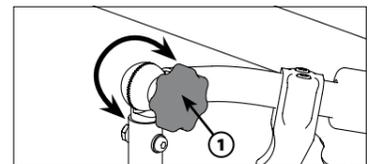


5.15 PUSH HANDLE / PUSH BAR

-  Do not hang any objects on the push bar - there is a risk of it tipping over. The push bar is not suitable for lifting, carrying or tilting the unit. Never put a load on one side.
-  Do not remove or bypass the locking mechanism. Backrest poles must be secured against accidental removal.
-  Only use the locking device to remove the backrest poles.
-  Attention must be paid to the danger of pinching and crushing.

Angle adjustment, push bar

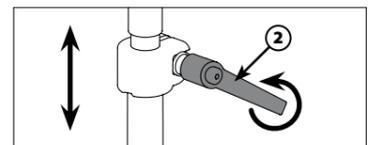
Loosen both star knobs ① until all toothed segments are free to move. Adjust the push bar angle. Tighten the star knob ① firmly again so that all toothed segments interlock.



Backrest height adjustment

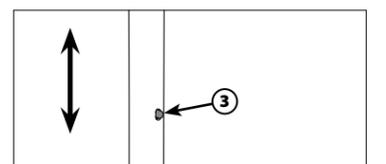
-  Maximum extension is reached when the locking spring is released.
-  At maximum extension, the safety spring must be activated to set the height lower.

Loosen both clamp levers ②. Adjust the height of the push bar. Tighten the clamp levers ② again.



Dismantling the backrest poles

Loosen both clamp levers ②. Slide the push bar up. Press and hold the locking spring ③ with one hand. Pull out the push bar.



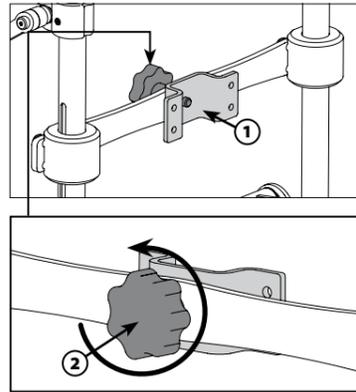
5. Unit settings

5.16 SEAT SHELL BACKREST MOUNTING SYSTEM (OPTIONAL)

-  Attention must be paid to the danger of pinching and crushing.
-  Tighten the screws alternately until all screws are securely fastened.
-  When the back is adjusted, the seat shell holder is automatically moved with it.

The seat shell / unit can easily be attached to the angle adjustment ① via four screws.

For easy and quick attachment of the seat shell, attach the unit at the back of the mobility base. Simply unscrew the star knob ②.

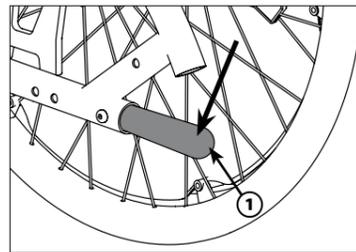


5.17 TIP ASSIST (OPTIONAL)

The tilt assist makes it easier for accompanying persons to overcome obstacles.

-  Danger of tipping over if pressed too hard. Avoid extreme angles. Anti-tip, if present, must be in passive position.

Press the tip assist ① down with your foot and simultaneously press down the push bar with both hands.



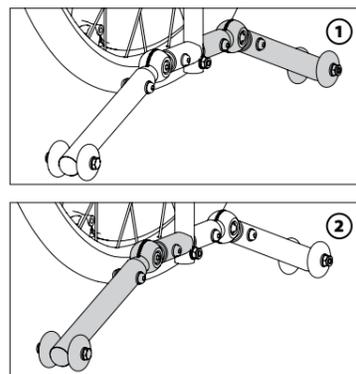
5.18 ANTI-TIP (OPTIONAL)

The anti-tip prevents unintentional tipping backwards with a short wheelbase or extreme seat tilt.

-  For improved stability, we recommend placing anti-tips on both sides.
-  Anti-tip castors are not suitable as drive wheels.
-  To overcome obstacles, the anti-tip must be in the passive position.
-  Do not use anti-tip on soft ground or uneven terrain.

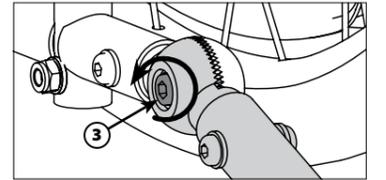
- ① **Passive position:** The anti-tip points to the front castors. It is inactive.
- ② **Operating position:** The anti-tip points away from the front castors. It will now prevent the device from tipping backwards. Press the anti-tip down and hold. Swivel it to the centre of the unit until the anti-tip automatically engages.

-  The anti-tip must be fully engaged - otherwise there is a risk of tipping!



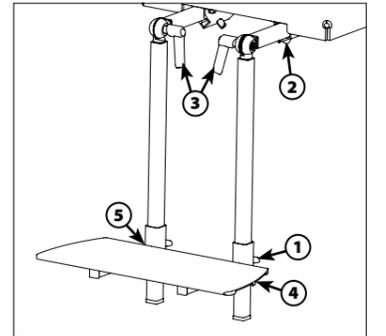
Height adjustment

Loosen the screw ③ until all toothed segments can move freely. The anti-tip should have a ground clearance of 30 mm. Tighten the screw ③ again so that all toothed segments interlock.



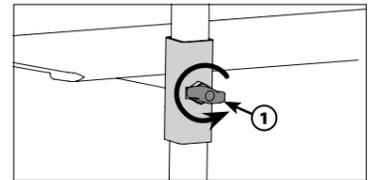
5.19 FOOTPLATE (OPTIONAL)

-  Feet must not slip off the footrests while moving. Do not stand on the footplate when sitting down or standing up - risk of tipping over.
-  Maximum adjustment is achieved when the ends of the adjustment tubes are flush in the guides / holders.
-  Changing the height of the footplate changes the ground clearance. Be aware when navigating obstacles.
-  The footplate must not collide with the front castors. If necessary, correct by tilting the seat.



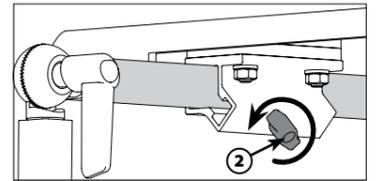
Height adjustment, footplate

Loosen the mini wings ①. Adjust the height of the footplate. Tighten the mini wings ① again.



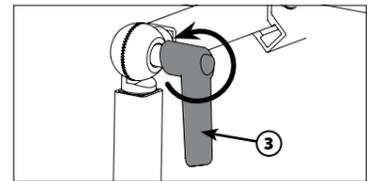
Depth adjustment, footplate holder

Loosen the mini wing ②. Adjust the depth of the footplate. Tighten the mini wings ② again.



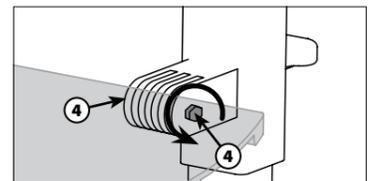
Knee angle adjustment

Loosen both clamp levers ③ until all toothed segments move freely. Set the footplate to the desired angle. Tighten both clamp levers ③ again so that all the toothed segments interlock.



Foot angle adjustment

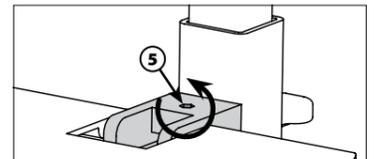
Loosen both screws ④. Set the footplate to the desired angle. Tighten both screws ④ again.



Folding mechanism

-  Tighten the screws alternately until all screws are securely fastened.

Limit or extend the angle radius by turning the screw ⑤.

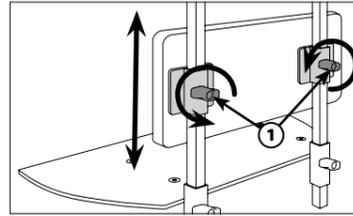


5. Unit settings

5.20 CALF SUPPORTS (OPTIONAL)

Height adjustment

Loosen the mini wings ① on both sides.
Adjust the height of the calf supports.
Tighten the mini wings ① again.



5.21 TRAPEZOID ADAPTER (OPTIONAL)

i The trapezoid adapter is used to securely hold / fasten a seating system.

The seat system must always be securely locked to the adapter.

! Check the locking mechanism of the trapezoid adapter by pulling on the seat shell. The locking mechanism must not open without operating the lever.

! Assembly and adjustments only when unoccupied.

! The trapezoid adapter is to be mounted so that the seat system later points in the direction of travel.

Assembly

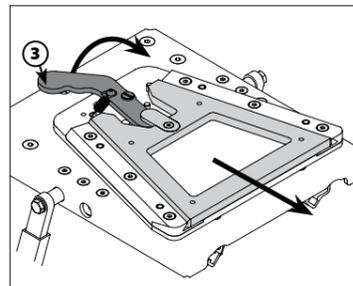
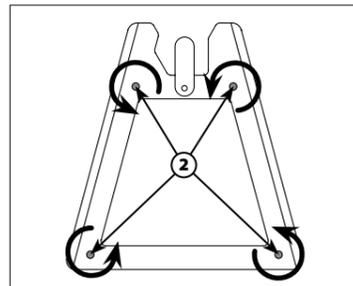
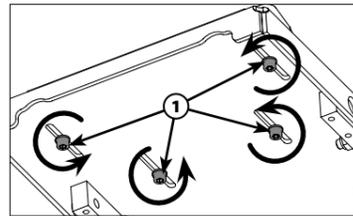
! These adjustments may only be carried out by Rehatec® GmbH and authorised specialist dealers and only when unoccupied. Observe the direction of travel.

Screw the lower part of the trapezoidal adapter to the device ①.
Screw the upper part of the trapezoidal adapter to the seating system ②.

i The position of the trapezoid adapter on the seat plate must be selected so that the locking mechanism fully engages when the seat shell is fitted.

Attach/detach

Push the seating system into the holder of the trapezoid adapter as far as it will go. The locking mechanism locks automatically. Check that the locking mechanism is secure by pulling on the seat shell. Unlock the seating system by pressing the lever ③ and pulling it out.



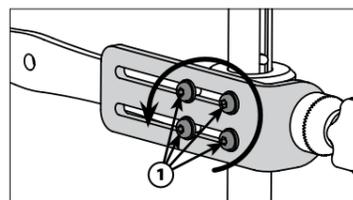
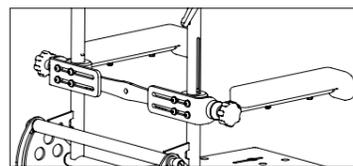
5.22 ARMRESTS (AT THE BACK, OPTIONAL)

! Armrests are not suitable for lifting / carrying the unit. Do not hang any objects on the armrests - danger of tipping over.

Width adjustment

Loosen all screws ① on both sides.
Adjust the armrests to the desired width.
Tighten all screws ① again.

! Tighten the screws alternately until all screws are securely fastened.



Angle adjustment

Loosen the star knob ② until all toothed segments move freely. Set the armrest to the desired angle.
Tighten the star knob ② again so that all toothed segments interlock with one another.

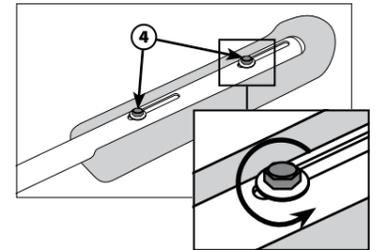
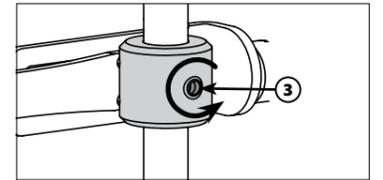
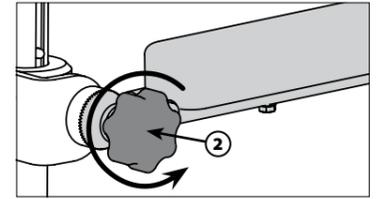
Height adjustment

Hold the armrest holder with one hand. With the other hand, loosen the set screws ③. Adjust the height of the armrest holder. Tighten the set screws ③ again.

Depth adjustment

Loosen both screws ④.
Move the arm pads.
Tighten both screws ④ again.

! Tighten the screws alternately until all screws are securely fastened.



5.23 ARMRESTS (ON THE SEAT, OPTIONAL)

! Do not use the armrests to lift or carry the unit. Do not hang any objects on the armrests - danger of tipping over.

! When retrofitting, 10 mm thick spacers must be fitted under the trapezoid adapter.

Width adjustment

Loosen the screws ①. Adjust the armrests to the desired width. Tighten the screws ① again.

! Tighten the screws alternately until all screws are securely fastened.

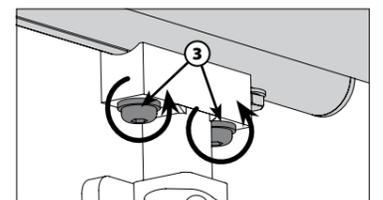
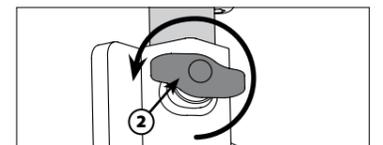
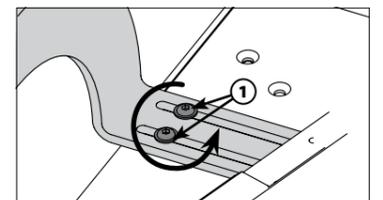
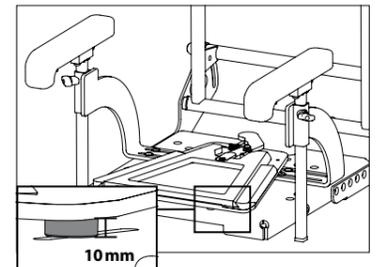
Height adjustment

Hold the armrest holder with one hand. With the other hand, loosen the mini wing ③. Set the armrest holder to the desired height. Tighten the mini wing ③ again.

Depth adjustment

Loosen both screws ④. Set the arm pad depth. Tighten all screws ④ again.

! Tighten the screws alternately until all screws are securely fastened.



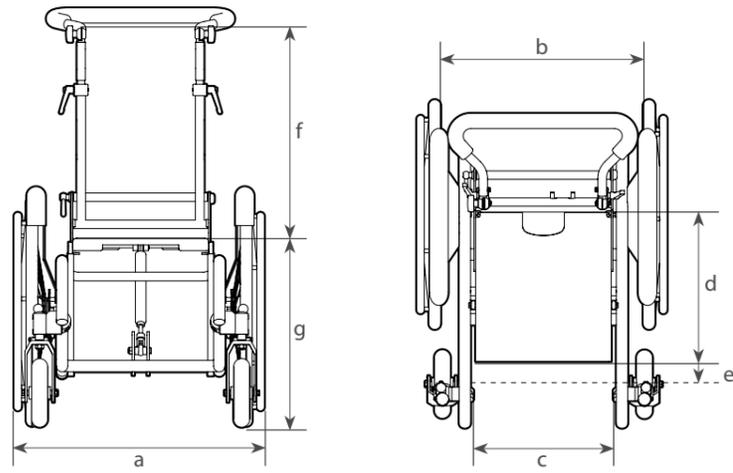
6. Technical data

Dimensional tolerances: +3%

Product label see chapter „Product label“

- Model: Mika
- Reimbursement code:
26.99.01.3017 (with push rims)
26.99.01.1025 (with 12" drive wheels)

- Tilt-in space: 30°
- Back angle: 50°



Dimensions	Size 0	Size 1	Size 2	Size 3
a Width between drive wheels without wheel guard ⁽¹⁾	46 cm	49 cm	52 cm	55 cm
b Frame length without footplate	67 cm	67 cm	74 cm	74 cm
c Inner frame width	Straight frame	32 cm	35 cm	41 cm
	Abduction frame	41 cm	44 cm	51 cm
	Long abduction frame	45 cm	48 cm	61 cm
Seat plate width	35,5 cm	38,5 cm	35,5 cm	38,5 cm
Seat plate depth	Standard	39 cm	39 cm	39 cm
	Extended	44 cm	44 cm	44 cm
d Usable seat depth	Standard	40 – 45 cm	40 – 45 cm	40 – 45 cm
	Extended	45 – 50 cm	45 – 50 cm	45 – 50 cm
e Knee angle depth adjustment	11 cm	11 cm	20 cm	20 cm
f Back height from seat plate	55 – 65 cm	55 – 65 cm	55 – 65 cm	55 – 65 cm
g Min. seat height ⁽²⁾	41 cm	41 cm	46 cm	46 cm
Weight capacity incl. seat shell (max) ⁽³⁾	90 kg	90 kg	90 kg	90 kg

⁽¹⁾ Width between drive wheels with wheel guards = „c“ - 3 cm

⁽²⁾ Seat height with 20" drive wheels
Min. seat height with 22" = „h“ + 2 cm
Min. seat height with 24" = „h“ + 4 cm
Seat height adjustment +2 cm / + 4 cm

CAUTION! Be careful if the centre of gravity is very high! These adjustments shall only be carried out by Rehatec® GmbH and authorised specialist dealers and only when the mobility base is unoccupied.

⁽³⁾ Up to 120 kg only with double gas spring

Material

The base model is made of aluminium, steel and plastic. Parts subject to higher stress, such as back components, are made of steel. All parts are anodised or powder-coated. Steel components are chrome-plated or powder-coated.

7. Product Identifier

7.1 SYMBOLS AND SIGNS ON THE PRODUCT

1		Follow the instructions for use!
2		Only suitable for indoor use.
3		Manufacturer
4		Date of manufacture (week/year)
5		CE mark
6		Maximum permissible patient weight
7		Maximum permissible nominal load
8		Battery/device disposal
9		Serial number
10		Medical device
11		Unique identifier of a medical device
12		Protect the product from moisture.
13		Warnings. Caution!
14		Caution! The device weighs more than 10 kg! At least 2 people are required to carry the device.
15		Warnings. Risk of crushing hands/fingers!
16		Instructions for use
17		Type BF medical device
18		Class II device
19	IPN₁N₂	Protection class: N1 - Degree of protection against foreign objects and contact N2 - Degree of protection against water

REHATEC®