ottobock.



Kimba Neo, Kimba Cross, Kimba Inline

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	Use in vehicles for transporting persons with reduced mobility

1 Foreword

INFORMATION

Last update: 2015-08-05

- ▶ Please read this document carefully before using the product.
- Follow the safety instructions to avoid injuries and damage to the product.
- ► Have yourself instructed by qualified personnel in the proper and safe use of the product.
- Please keep this document in a safe place.

INFORMATION

- New information regarding product safety and product recalls can be obtained from the Customer Care Center (CCC) at oa@ottobock.com or from the manufacturer's service department (see inside back cover or back page for addresses).
- You can request this document as a PDF file from the Customer Care Center (CCC) at oa@ottobock.com or from the manufacturer's service department (see inside back cover or back page for addresses). It is possible to increase the display size of the PDF document.
- ► For further questions about the instructions for use, please contact the authorised personnel who issued the product to you.

You have purchased a high-quality product which can be put to versatile, daily use at home and outdoors.

In order to exclude injuries of any type, familiarise yourself with the handling, functions and use of the product before using it. These instructions for use provide the necessary information.

Please note the following in particular:

- Attendants should also be instructed in the use of the product by qualified personnel with the help of these instructions for use.
- The product has been adapted to the needs of the user. Further changes may be made only by qualified personnel. We recommend checking the product settings regularly in order to assure an optimum fit over the long term. For growing children and youths in particular, fitting should be performed every six months.
- The product may be combined only with the options listed here. The manufacturer assumes no liability for combinations with third-party medical devices and/or accessories not included in the modular system. Please also observe the information in the section "Liability".
- Service and repairs to the product may only be carried out by qualified personnel. If you have any problems, please contact your specialist dealer. This ensures that any necessary repairs will be made exclusively with Ottobock spare parts.
- Your product may differ from the models shown. In particular, not all the options described in these instructions for use will be installed on your product.
- The manufacturer reserves the right to make technical changes to the model described in these instructions for use.

2 Product description

2.1 Product Overview

2.1.1 Kimba Neo

INFORMATION

The Kimba Neo outdoor mobility base is available with and without separate seat angle adjustment (see fig. 1 and see fig. 2). On outdoor mobility bases without separate seat angle adjustment (see fig. 2), the Kimba Neo seating unit has to be chosen so that the seat tilt feature can be used.



Kimba Neo - outdoor mobility base for alternative seating systems with "swivelling" front wheels option

1	Plug-on rear wheel	6	Adjustable push bar
	"Swivelling" front wheel (option)		Release handle, folding mechanism
	Swivel lock		Separate seat angle adjustment on frame
4	Front lashing ring		Rear lashing ring
5	Seat adapter	10	Suspension

Product description



Kimba Neo - outdoor mobility base for Kimba Neo seating unit with "fixed" front wheels option

1	Plug-on rear wheel	5	Adjustable push bar
2	Plug-on "fixed" front wheel	6	Release handle, folding mechanism
3	Front lashing ring	7	Suspension
4	Seat adapter	8	Rear lashing ring

2.1.2 Kimba Cross



Kimba Cross - outdoor mobility base for Kimba Neo seating unit and alternative seating systems

1	Frame
2	Front wheel (swivelling)
3	Front wheel (fixed)
4	Plug-on rear wheel/drum brake
5	Push bar

2.1.3 Kimba Inline



Kimba Inline - outdoor mobility base for Kimba Neo seating unit and alternative seating systems

1	Frame
2	Front wheel (swivelling)
3	Drum brake
4	Push bar

3 Application

3.1 Indications for use

The outdoor mobility base for a rehab buggy is intended solely for transporting children with walking disabilities or who are unable to walk.

The outdoor mobility base for a rehab buggy has only been approved for transporting one child (Kimba Inline two children) aged approx. 1 to 10 years (depending on the size and weight of the child). It is operated by an attendant (conveyance by another person).

The rehab buggy can be used indoors and outdoors. It is fully adjustable to provide an optimised, individual fitting. The product may only be used with the options which are listed in the product order form.

The warranty applies only when the product is used according to the specified conditions and for the intended purposes, following all manufacturer's recommendations.

3.1.1 Indications

- Paralysis (paraplegia, tetraplegia)
- Loss of limbs (leg amputation)
- Defects or deformation of the limbs
- Joint contractures or damage
- Neurological and muscular diseases
- Joint defects

3.1.2 Contraindications

Not known.

4 Safety

4.1 Explanation of warning symbols

	Warning regarding possible serious risks of accident or injury.	
	Warning regarding possible risks of accident or injury.	
NOTICE	Warning regarding possible technical damage.	

4.2 General safety instructions

Lack of instruction

Tipping over, falling of the user due to lack of knowledge

► Instruct the user or the attendant in the proper use of the product when handing it over.

Use of unsuitable tools

Pinching, crushing or damaging the product due to use of unsuitable tools

- When completing the tasks, only use tools that are suitable for the conditions at the place of work and for which safety and the protection of health are assured with proper use.
- Observe the specifications in the section "Required Tools".

NOTICE

Use of unsuitable packaging

Damage to the product caused by transportation using incorrect packaging

Use only the original packaging for delivery of the product.

NOTICE

Tipping or falling of the product

Damage to product due to lack of attachment

- ▶ When you work on the product, secure it so that it cannot tip over or fall over.
- Use a clamping fixture to secure the product whenever you work on it at a workbench.

4.3 Safety Instructions for Assembly

Improper use of self-locking nuts

Tipping, falling over of the user due to screw connections coming loose

• Always replace self-locking nuts with new self-locking nuts after disassembly.

Unsecured screw connections

Pinching, crushing, tipping over, falling of user due to assembly errors

- After all adjusting/readjusting work, retighten the mounting screws/nuts firmly. Observe any torque settings which may be specified.
- Any time you loosen a screw connection with thread lock, replace it with a new screw connection with thread lock or secure the old screw connection with medium strength thread locker (e.g. Loctite[®] 241).

4.4 Safety Instructions for Use

Hazards during preparation for use

Independent modification of settings

Serious injuries to the user due to unallowable changes to the product

- Do not modify the settings established by the qualified personnel. Only the settings described in the section "Usage" in these instructions for use may be adjusted independently.
- In case of problems with the settings (unsatisfactory seating position, front wheels wobble, etc.) please contact the qualified personnel who adjusted your product.
- Discuss all changes to the settings with the qualified personnel/therapist in advance in order to minimise health hazards and avoid putting the therapy results at risk.

Improper handling of packaging materials

Risk of suffocation due to neglect of the duty to supervise

Packaging materials must be kept out of the reach of children.

Hazards when getting in

Wheel lock not engaged when getting in or out

Falling, tipping over of the user due to user error

- ▶ Before the user gets in or out, always engage and check the wheel lock.
- Engage the wheel lock to prevent the rehab buggy from moving on uneven ground or during transfers (e.g. into a car).

Hazards while driving

Pushing too fast

Tipping over, falling of the user due to caster wheel wobble

- ► The swivelling front wheels may begin to wobble at higher speeds and lead to an abrupt stop, causing the rehab buggy to tip over forwards.
- Therefore, push the rehab buggy only at normal walking speed or engage the swivel lock (see section "Use"). It is not permissible to let go of the push bar while pushing the buggy or to thrust it away from you.

Impermissible use

Tipping over, rolling over of the user due to failure to observe specifications

- ▶ Using a rehab buggy beyond normal conditions may be dangerous.
- ▶ Please note that this product is not suitable for jogging, running, skating, etc. (not Kimba Cross).
- ▶ Do not exceed the maximum load capacity (see the section "Technical data").

Improper loading

Tipping over, falling of the user due to centre of gravity shift

- ▶ Please note that any additional load may have a negative impact on the stability of the rehab buggy.
- Do not hang heavy bags or the like on the push bar.

Incorrect centre of gravity setting

Falling of the user due to extreme settings

Check the standard adjustments of the rehab buggy for stability against tipping and the ergonomically correct sitting position of the user. Avoid any extreme settings.

Risky operation

Falling, tipping over backwards due to approaching obstacles incorrectly

- Push slowly when crossing obstacles (e.g. steps, curbs) and negotiating uphill or downhill slopes and inclines.
- ▶ Never cross obstacles at an angle. Always approach obstacles head on (at an angle of 90°).
- Raise the front wheels before crossing obstacles.
- Avoid collisions with obstacles and dropping off curbs/ledges.
- ► Avoid riding cross-country.

Hazards when overcoming obstacles

Overcoming steps and obstacles without assistance

Tipping over, falling of the user due to failure to observe transportation instructions

- ► Always have accompanying persons help you negotiate steps and other obstacles.
- ► Use available facilities (e.g. access ramps or lifts).

Improper lifting by attendants

Tipping over, falling of the user due to lifting on removable components

Attendants may lift the buggy only by welded or permanently attached components. It is particularly dangerous to lift the buggy by the push handles/push bar.

Hazards due to fire, heat and cold

Extreme temperatures

Hypothermia or burns through contact with components, failure of components

▶ Do not expose the product to any extreme temperatures (e.g. direct sunlight, sauna, extreme cold).

Hazards due to improper use of the product

Overloading

Severe injuries if the wheelchair tips over due to overloading, damage to the product

- Do not exceed the maximum load capacity (see the nameplate and section "Technical data").
- Please note that certain options and add-on components will reduce the remaining load capacity.

Exceeding the service life

Serious injuries due to failure to observe the manufacturer's requirements

- Using the product beyond the specified expected service life (see Page 52) leads to increased residual risk and should only take place subject to the due diligence and deliberations of qualified personnel.
- If the service life is reached, the user or a responsible attendant should contact the qualified personnel who fitted the product or the manufacturer's servicing department (see inside rear cover or back page for address). Here the user can obtain information about known risks and the current options for refurbishing the product.

Loss off stability due to improper loading

Falling, tipping over of the user due to changed centre of gravity

- Please note that any additional load may have a negative impact on the stability of the rehab buggy.
- Do not hang heavy bags or the like on the push bar.

NOTICE

Use under incorrect environmental conditions

Damage to product due to corrosion or abrasion

- Do not use the product in salt water.
- ▶ Also avoid if possible sand or other dirt particles that may damage the wheel bearings.

NOTICE

Deformation when folded

Damage to the product, problems unfolding due to unallowable loads

► Never place heavy objects on the folded product.

INFORMATION

Please note that all options and add-on components will reduce the remaining load capacity.

4.4.1 Further information

INFORMATION

Even in the event of compliance with all applicable guidelines and standards, alarm systems (e.g. in department stores) may respond to your product. Should this happen, remove your product from the area where the alarm was triggered.

4.5 Nameplate and warning labels

4.5.1 Nameplate

4.5.1.1 Kimba Neo

Label	Meaning		
Dottoback GR ((A)	Α	Type designation	
Oottobock GA C CH AKimba Neo Straßengestell Gr.X FS ()	В	Manufacturer article number	
B470G71=10000 K CZuladung max.XX KG/XXX LB	С	Maximum load capacity (see the section "Technical data")	
Olide Back Mobility Solutions GmbH Lindenstr. 13 – 07426 Königsee – Roltenbach/Germany	D	Manufacturer information/address/country of origin	
	Е	Serial number	
	F	European Article Number/Global Trade Item Number	
	G	Read the instructions for use before using the product.	
The nameplate "Outdoor mobility base" is located on the rear seat tube of the base		CE marking – product safety in accordance with EU directives	
frame.	I	FS: Rotary knob to activate the seat angle adjustment on the outdoor mobility base	
		KNS: Rotary knob to activate the seat angle adjustment on the seating unit	

4.5.1.2 Kimba Cross

Label	Meaning		
Dettaback IIG20 ((D)	Α	Type designation	
Octtobock. COV C CH Akimba Cross Straßengestell	В	Manufacturer article number	
BHR3401=0000 K CZuladung max.XX KG/XXX LB	С	Maximum load capacity (see section "Technical data")	
Uito Book Mobility Solutions GmbH Lindenstr. 13 – 07426 Königse – Rollenbach/Germany	D	Manufacturer information/address/country of origin	
Ande in Germany – www.ottobock.com	E	Serial number	
	F	European Article Number/Global Trade Item Number	
	G	Read the instructions for use before using the product.	
	Н	CE marking – product safety in accordance with EU directives	
	I	The product has not been approved by the manufacturer for	
		use as a seat in vehicles for transporting persons with	
		reduced mobility	

4.5.1.3 Kimba Inline

Label	Meaning		
Dottobock. IIG (()	Α	Type designation	
Akimha Inline Straßengestell	В	Manufacturer article number	
A Kimba Inline Straßengestell BHR3255=0000 K OZuladung max.XX KG/XXX LB	С	Maximum load capacity (see section "Technical data")	
Dito Bock Mobility Solutions GmbH Lindenstr. 13 – 07426 Königase – Rollenbach/Germany	D	Manufacturer information/address/country of origin	
SN IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Е	Serial number	
	F	European Article Number/Global Trade Item Number	
	G	Read the instructions for use before using the product.	
	Н	CE marking – product safety in accordance with EU directives	
	I	The product has not been approved by the manufacturer for	
		use as a seat in vehicles for transporting persons with	
		reduced mobility	

4.5.2 Warning labels

Label		Meaning	
Achtung: Attention:	Bitte beachten Sie die maximale Zuladung des Untergestells! Please note the permissible vehicle payload!	Attention: Please observe the maximum load capacity of the outdoor mobility base! (See the section "Technical data".)	
C	ひ	Fixation point to attach the product in vehicles for transporting persons with reduced mobility	

Label

WARNING

ACHTUNG: Lassen sie Ihr Kind nicht unbeaufsichtigt!

ATTENTION: Never leave your child unattended!

ACHTUNG: Dieser Sitz ist für Kinder unter 6 Monaten nicht geeignet!

ATTENTION: This seating unit is unsuitable for children aged below 6 month!



Meaning

WARNUNG/WARNING ATTENTION! Never leave your child unattended! ATTENTION! Never leave your child unattended!

ATTENTION! This seating unit is unsuitable for children aged below 6 months!

ATTENTION! This seating unit is unsuitable for children aged below 6 months!

5 Delivery

5.1 Scope of delivery

5.1.1 Kimba Neo

The outdoor mobility base is delivered preassembled and with the side panels/rear wheels removed and packed in a crate.

The scope of delivery includes:

- Frame, folded
- Options according to the order
- Instructions for use (user)

5.1.2 Kimba Cross

The outdoor mobility base is delivered preassembled and with the side panels/rear wheels removed and packed in a crate.

The scope of delivery includes:

- Frame, folded
- 2 rear wheels with quick-release axle
- One front wheel with quick-release lock and mounted splash guard
- Options according to the order
- Instructions for use (user)

5.1.3 Kimba Inline

The outdoor mobility base is delivered preassembled and with the side panels/rear wheels removed and packed in a crate.

The scope of delivery includes:

- Frame, folded
- Options according to the order
- Instructions for use (user)

5.2 Storage

The outdoor mobility base must be stored in a dry place. An ambient temperature between **-10° C** and **+40° C** must be maintained.

- Tyres contain chemical substances that can react with other chemical substances (such as cleaning agents, acids, etc.).
- Direct exposure to sunlight or UV radiation causes the tyres to age more quickly. As a result, the tread surface hardens and corner pieces break out of the tread.
- Avoid unnecessary parking outdoors. The tyres should be replaced every 2 years regardless of wear and tear.

6 Preparation for use

6.1 Assembly

Exposed pinch points

Crushing, pinching due to incorrect handling

▶ When folding out the backrest, only grip by the specified components.

Improper assembly

Falling, tipping over of the user due to components coming off

- After each assembly, verify the proper fit of the removable wheels. The quick-release axles must be firmly locked in the wheel attachment.
- ▶ Before using the product, the folding mechanism must be firmly locked in place.
- ▶ When attaching the seating unit, make sure you hear it engage into the outdoor mobility base.
- Secure the seating unit using the seat lock.

6.1.1 Kimba Neo

Non-activated tilt-limiting mechanism

Falling out of the user due to user error

▶ Before rotating a Kimba Neo seating unit, always adjust the tilt-limiting mechanism.

Attaching the rear wheels

- 1) If wheel locks are engaged: disengage wheel locks.
- 2) Depress the locks on the wheels (see fig. 5, item 1).
- 3) Push the rear wheels onto the axle until the lock clicks into place audibly.

Attaching the front wheels (only possible for the fixed front wheels)

- 1) Depress the locks on the wheels (see fig. 6, item 1).
- 2) Push the front wheels onto the axle until the lock clicks into place audibly.

Unfolding the rehab buggy (when the seating unit is detached)

- 1) Unfold the push bar (see fig. 7, item 1). To unfold the push bar: see Page 26.
- 2) Fold out the rehab buggy by pulling the push bar (see fig. 7, item 2; see fig. 8).
- \rightarrow The release handles of the folding mechanism click into place automatically after folding out (see fig. 7, item 3).



INFORMATION

Attaching the seat is described in the seating unit instructions for use (user).

6.1.2 Kimba Cross

Unfolding the rehab buggy

- 1) Remove the transport locks and packaging material.
- 2) Remove the locking pin from the frame lug (see fig. 9).
- 3) Fold up the push bar and guide the back brace into the adapter (see fig. 10).
- 4) Adjust the desired angle of the push bar using the hole in the back brace (see fig. 11).
- 5) Insert the locking pin through the hole in the back brace and through the lug of the adapter.
- 6) Secure with the clip (see fig. 12).







▶ Press the quick-release axle and the wheel together into the axle retainer (see fig. 13).



Installing the front wheel

- 1) Insert the front wheel with the splash guard into the fork and push it all the way to the rear and up (see fig. 14).
- 2) Close the eccentric lever of the quick-release axle. **Optional:** Adjust the clamping pressure by turning the quick-release lever or the counter nut.



6.1.3 Kimba Inline

Unfolding the rehab buggy

- 1) Fold the push bar forward (see fig. 106).
- 2) Pull up the lock slide and allow it to engage on the frame (see fig. 105).

6.2 Retrofitting the respirator platform (Kimba Neo only)

Improper use in vehicles for transporting persons with reduced mobility

Severe accidental injuries caused by use with untested product combinations

Use of the product in vehicles for transporting persons with reduced mobility in combination with the artificial respiration platform option is **not** permitted.

INFORMATION

The respirator platform cannot be installed on a product with fixed front wheels.

The respirator platform can be installed as follows:

- Installation of the large T1 respirator platform over the front wheels (see fig. 15) the user sits in the seat facing away from the direction of travel
- Installation of the large T1 respirator platform over the rear wheels (see fig. 16) the user sits in the seat facing in the direction of travel

The respirator is attached to the respirator platform using straps through the slots.

Using an anti-slip mat is recommended.

The seating unit can only be turned around if the respirator platform is moved.





Respirator platform mounting kit overview



1	T2 respirator platform	4	Bottom supports (with mounting materials)
2	T1 respirator platform	5	Hook-and-loop straps
3	Retaining bracket with mounting materials	6	Side supports (with mounting materials)

6.2.1 Installation with a seat facing opposite to direction of travel

Installing the T2 respirator platform

- 1) Glue the loop strap onto the centre of the front frame tube (see fig. 18).
- INFORMATION: Trim the length to approx. 210 mm for size 1 and approx. 290 mm for size 2.
- 2) As shown in the image, glue the hook strap onto the angle tabs of the T2 respirator platform (see fig. 19).
- 3) Set the T2 respirator platform onto the front frame tube and axle tube (see fig. 20).
- Lift up the T2 respirator platform on the axle tube. Under the angle tabs, glue 2x loop strap in the size 50 x 50 mm onto the axle tube (see fig. 21).
- 5) Press the T2 respirator platform into place.
- \rightarrow The T2 respirator platform is installed (see fig. 20).



Installing the T1 respirator platform

- 1) As shown in the image, glue the hook strap onto the angle tabs of the T1 respirator platform (see fig. 19).
- 2) Screw the retaining bracket onto the T1 respirator platform (see fig. 22, item 1; see fig. 23, item 1).
- 3) Screw the supports onto the retaining bracket (see fig. 22, item 2).
- **INFORMATION:** Only installing one support on the retaining bracket initially is recommended. The second support is installed on the retaining bracket when the T1 respirator platform is mounted on the front frame.
- 4) Set the T1 respirator platform onto the front frame tube (see fig. 24, item 1).
- 5) Engage the supports of the T1 respirator platform in the lashing points and install (see fig. 25; see fig. 24 item 2).
- \rightarrow The T1 respirator platform is installed (see fig. 24).



6.2.2 Installation with a seat facing in the direction of travel

Installing the T2 respirator platform

- Glue the loop strap onto the front frame tube (see fig. 18).
 INFORMATION: Trim the length to approx. 210 mm for size 1 and approx. 290 mm for size 2.
- 2) As shown in the image, glue the hook strap onto the angle tabs of the T2 respirator platform (see fig. 19).
- 3) Screw the supports onto the T2 respirator platform (see fig. 26, item 1).
- **INFORMATION:** Only installing one support on the retaining bracket initially is recommended. The second support is installed on the retaining bracket when the T2 respirator platform is mounted on the front frame.
- 4) Set the T2 respirator platform onto the front frame tube (see fig. 27, item 1).
- 5) Engage the supports of the respirator platform in the lashing points and install (see fig. 28; see fig. 27 item 2).
- $\rightarrow~$ The T2 respirator platform is installed (see fig. 27).







Installing the T1 respirator platform

- 1) As shown in the image, glue the hook strap onto the angle tabs of the T1 respirator platform (see fig. 19).
- 2) Screw the supports in place under the T1 respirator platform (see fig. 29, see fig. 30).
- 3) Set the T1 respirator platform onto the front frame tube (see fig. 31, item 1).
- 4) Carefully press the clamp fittings of the supports onto the axle tube until they engage (see fig. 31, item 2/3).
- \rightarrow The T1 respirator platform is installed (see fig. 32).



7 Use

7.1 Information on use

Failure to check for proper functioning

- Falling, tipping over of the user due to lack of maintenance
- ▶ In the interest of the user's safety, check the product for correct function before each use.
- ▶ Please also read the instructions in the section "Maintenance" > "Maintenance intervals".

Lack of driving experience

Tipping over, falling due to errors in handling the product

- Practice on level, open ground first.
- Learn with the support of an assistant how the rehab buggy reacts to changes in the centre of gravity, e.g. downward or upward slopes, inclines or when overcoming obstacles.
- ► Always activate the anti-tipper (if any).

INFORMATION

Please also observe the safety instructions in the section "Safety" > "Safety instructions for use".

In the interest of user safety, the following inspection must be conducted prior to use:

- 1) Verify firm seating of the rear wheel.
- 2) Verify firm locking of the seat and back angle adjustment mechanism.
- 3) Verify the functionality of all belt buckles on the safety belts and/or positioning aids.

7.2 Kimba Neo

7.2.1 Seating unit

Use of alternative seating systems

Serious injuries to the user due to faulty operation

► The product can be equipped with the Kimba Neo seating unit or alternative seating systems. Observe the information in the separate instructions for use for the seating unit/seating system in all cases.

7.2.1.1 Kimba Neo seating unit

Adjusting the tilt-limiting mechanism after rotating the seat

The seat adapter is equipped with a tilt-limiting mechanism as standard equipment (see fig. 33). This feature ensures that the seat angle of the seating unit cannot be adjusted forward or backward beyond the permissible limits.

The tilt-limiting mechanism must be adjusted as follows every time the seating unit is rotated:

- 1) Activate the seat angle adjustment (see fig. 35) and move the seating unit forward until it reaches the stop.
 - $\rightarrow~$ The seat is now tilted forward approx. 10%.
- 2) Remove the seating unit (Removing and mounting the seating unit).
 - $\rightarrow~$ The seat adapter is now freely accessible.
- 3) Pull the key ring (see fig. 33/see fig. 34, item 1) to release the locking pin.
- 4) Move the limit hook (see fig. 33/see fig. 34, item 2) into the desired position depending on the direction in which the seating unit was installed:
 - \rightarrow Limit hook down (see fig. 33): mount seat facing forward.
 - \rightarrow Limit hook up (see fig. 34): mount seat facing backward.
- 5) Make sure that the locking pin clicks fully/audibly into place after adjustment.
- 6) Mount the seating unit (see Instructions for use user, reference number 647G892).
- 7) Check that the tilt-limiting mechanism is functioning:
 - → In order to do so, activate the seat angle adjustment (see fig. 35 for seat angle adjustment on the mobility base: see next section) and move the seating unit forward/back.

→ The adjustment range of the seating unit must not exceed approx. 10° to the front and 35° to the rear. If this is not the case, the limit hook (see fig. 33/see fig. 34, item 2) is not in the correct position and must be adjusted accordingly (see steps 2–6).

INFORMATION

Further settings are described in the seating unit instructions for use.







7.2.1.2 Alternative seating systems

Adjusting the seat angle

Incorrect seat tilt handling

Tipping over, falling out of the seating shell/seating system due to errors in handling the product

- ▶ Before operating the seat tilt feature (seat angle adjustment), practice without the seated user.
- Only operate the seat tilt feature on a level, firm surface.
- Always activate the anti-tipper before operating the seat tilt feature (seat angle adjustment).
- Lower the seat tilt (horizontal neutral position of the seat) before negotiating slopes and obstacles. The seat can be tilted back slightly when driving downhill.
- Only negotiate slopes where the holding forces remain manageable.
- Never use the locking pedal to operate the seat tilt feature (seat angle adjustment) in an uncontrolled manner.
- When activating the locking pedal, always secure the user against falling out to the front or rear. Keep a firm grip on the push handles while activating the locking pedal until the adjustment system audibly engages on both sides.
- Do not reach into the adjustment mechanism when changing the seat tilt settings.

With alternative seating systems that do not have a seat angle adjustment feature, the seat angle can be adjusted using a rotary knob on the Kimba Neo outdoor mobility base. The alternative seating system can be adjusted as needed within the range from **-10° to +35°**:

1) Stand to the left of the rehab buggy and hold on to the backrest for safety reasons (see fig. 36, item 1).

2) Twist the knob on the upper front part of the frame in the direction indicated by the arrow to release the adjustment mechanism (see fig. 36, item 2).

NOTICE! Damage to the seat adjustment. Turn the knob with normal manual force only to the stop (until you feel a clear resistance). Excessive turning of the knob could damage the adjustment mechanism.

- 3) Set the seat angle to the desired position (see fig. 37).
- 4) Let go of the knob and the adjustment mechanism will lock automatically.
- 5) Press the backrest gently to the front/back to make sure that the seat angle is securely set. If this is not the case, the position of the knob must be checked.





7.2.2 Push bar

Improper lifting by attendants

Tipping over, falling of the user due to lifting on removable components

Attendants may lift the buggy only by welded or permanently attached components. It is particularly dangerous to lift the buggy by the footrest, push bar, lap bar, or armrests.

7.2.2.1 Adjusting the push bar

The push bar can be adjusted to the desired height:

- 1) Press both buttons on the setting joints on both sides simultaneously (see fig. 39, item 1).
- 2) Move the push bar to the desired position (see fig. 39, item 2).
- 3) Release the buttons.
- 4) Move the push bar up or down slightly until the joints click audibly into place.





7.2.3 Wheel lock

Wheel lock not engaged when getting in or out

Falling, tipping over of the user due to user error

- ▶ Before the user gets in or out, always engage and check the wheel lock.
- Engage the wheel lock to prevent the rehab buggy from moving on uneven ground or during transfers (e.g. into a car).

NOTICE

Incorrect use of the wheel lock

Damage to wheels, loss of braking function due to incorrect operation

- ▶ Do not use the wheel lock whilst travelling. The product must be standing still before braking.
- ► Do not engage the wheel lock forcefully.
- ▶ When you activate the wheel lock and feel clear resistance, you can move the wheels slightly forwards or backwards to change their positions so that the lock pin latches on to the brake ring.

7.2.3.1 Engaging the wheel lock

The wheel lock must be engaged when taking the child out or parking the rehab buggy on uneven surfaces:

- 1) **Engage the wheel lock:** Press the brake bar down with the tip of your foot (see fig. 40).
- 2) **Release the wheel lock:** Pull the brake bar up with the tip of your foot (see fig. 41).





7.2.4 Suspension

The suspension can be adjusted continuously according to the user's weight and the conditions of the road/surface:

1) Twist the adjustment rings on both sides of the frame equally (see fig. 42, item 1).

- \rightarrow Clockwise: the suspension becomes tighter.
- \rightarrow Counterclockwise: the suspension becomes softer.
- 2) Check that the adjustment rings are positioned the same on both sides. The 4 marks can be used for orientation (see fig. 42, item 2; see fig. 43, item 1).





We recommend the following setting for the spring tension:

User weight	Marking*
up to 10 kg	up to 1st marking from the top
up to 20 kg	up to 2nd marking from the top
up to 30 kg	up to 3rd marking from the top
up to 40 kg	up to 4th marking from the top

* Reference point: upper edge of the plastic adjustment nut

7.2.5 Additional options

7.2.5.1 Front wheels

7.2.5.1.1 "Fixed" front wheels

The rehab buggy can be equipped with fixed front wheels. The front and rear wheels are the same size in this version.

Steering is achieved by pressing on the push bar to lift the front wheels slightly.

If needed, the front wheels can be pulled outwards after pressing down the locks (see fig. 44, item 1).





7.2.5.1.2 "Swivelling" front wheels with integrated swivel lock

The rehab buggy can be equipped with swivelling front wheels to make steering easier. If needed, the caster wheels can be locked with the integrated swivel lock. This function increases directional stability on uneven ground.

Activating the caster swivel lock

- 1) Pull the caster swivel lock casing forwards (see fig. 45).
- 2) Push the rehab buggy forwards until the caster wheels click audibly into the lock casings.

Deactivate the caster swivel lock

- 1) Push the caster swivel lock casing towards the seat (see fig. 45).
- 2) The caster wheels are now released again.

7.2.5.2 Tip-assist

The tip-assist (see fig. 46) makes it easier for an attendant to tip up the rehab buggy, e.g. to cross a step or curb.

Tipping the product

- 1) At an obstacle, place one foot on the tip-assist and push down (see fig. 47).
- 2) Slightly tip the rehab buggy by simultaneously pressing down on the push bar.



7.2.5.3 Frame padding

The rehab buggy can be equipped with frame padding that provides additional protection for the user from impact in the area of the folding mechanism (see fig. 108).

Using the frame padding

- 1) Fit the frame padding around the push bar and close the hook-and-loop strap.
- 2) Twist the hook-and-loop strap down and push the frame padding over the folding mechanism all the way to the release handles. **INFORMATION: Before folding up the outdoor mobility base, remove the frame pad-ding, so that the folding mechanism is clear.**

7.2.5.4 Storage bag

NOTICE

Incorrect attachment

Damage to product due to incorrect installation

During the attachment, make sure that the product cannot grind against the wheels.

NOTICE

Overloading

Damage to the product through user error

• The storage bag can hold a maximum load of **7 kg**.

The rehab buggy can be equipped with a storage bag.

The storage bag is fastened to the frame via snaps and hook-and-loop fasteners (see fig. 48, item 1; see fig. 49, item 1).

The storage bag can be removed for cleaning purposes.





7.2.5.5 Buggy board

Overloading

Falling, tipping, injuries due to breakage of load-bearing components (e.g. the frame)

▶ Do not exceed the maximum load capacity (see the section "Technical data").

The buggy board (see fig. 50) allows children to ride safely while standing on their own feet and offers sufficient standing room.

All information about the use, attachment and adjustment of the buggy board is contained in the manufacturer's instructions for use enclosed with the product.

Installation tips

- The couplings with the plastic straps face to the rear and are tightened securely to the rear lashing points (see fig. 51, item 1).
- The plastic straps face inwards (see fig. 51, item 2).
- The securing pins face from the inside to the outside (see fig. 51, item 3).
- The securing strap can be fastened above the folding lock to the ratchet joint (see fig. 52, item 1).

Note on use

• The folded-up buggy board must be secured with the securing strap supplied by the manufacturer (see fig. 52, item 2).







7.2.5.6 Platform for respirator

Use in vehicles for transporting persons with reduced mobility

Serious injuries resulting from accidents

- ► The supplied or attached options are not suitable for use in vehicles for transporting persons with reduced mobility. They must be removed and stored safely prior to transport.
- Please observe the document "Using your product for transportation in wheelchair accessible vehicles", order number 646D158, and the safety instructions in the instructions for use of the wheelchair, seating shell mobility base or buggy and/or the options.

INFORMATION

The respiration platform cannot be used on a product with fixed front wheels.

The respirator platform is for attaching respiration equipment. This is secured with straps using the slots on the respirator platform.

The option has been installed in the following way, depending on the order:

- Installation of the large T1 respirator platform over the front wheels (see fig. 53) the user sits in the seat facing away from the direction of travel
- Installation of the large T1 respirator platform over the rear wheels (see fig. 54) the user sits in the seat facing in the direction of travel

The seating unit can only be turned around if the respirator platform is moved.

INFORMATION: in this case, contact the qualified personnel who adjusted your product.





7.2.5.7 Cup holder

The cup holder (see fig. 55) is for holding a drinking bottle within reach of the user or the attendant. It can be placed as required on the push bar, on the folding tube or on the grab rail.

Installing the cup holder

1) **Only when the tube is vertical:** secure the self-adhesive hook-and-loop straps in the desired position and at the correct distance apart. These secure the cup holder when the bottle is full.

2) Secure the cup holder with the hook-and-loop straps in the desired position.



7.2.6 Disassembly and transport

Exposed pinch points

Crushing, pinching due to incorrect handling

▶ When folding out the backrest, only grip by the specified components.

NOTICE

Deformation when folded

Damage to the product, problems unfolding due to unallowable loads

► Never place heavy objects on the folded product.

INFORMATION

The product can be equipped with the Kimba Neo seating unit or alternative seating systems. In this case, please observe the information in the separate instructions for use for the seating system.

The rehab buggy must be prepared for transport in a car:

- 1) Pull up the release handles of the folding mechanism (see fig. 57).
- 2) Fold the push bar over the seat to fold up the rehab buggy (see fig. 58).
- 3) If needed, fold up the push bar handle to save space (Adjusting the push bar).
- 4) If needed, press down the locks on the rear wheels and pull the wheels outwards (see fig. 5, item 1).
- 5) **Only for versions with fixed front wheels:** if needed, press down the locks on the front wheels and pull the wheels outwards (see fig. 6, item 1).
- 6) Place the rehab buggy in the boot and use transport locks to secure it from sliding.







7.2.7 Use in vehicles for transporting persons with reduced mobility

7.2.7.1 General safety instructions

Use as a seat in vehicles for transporting persons with reduced mobility

Serious injuries in case of accidents due to user error

- Always use the seats and restraint systems in the vehicle for transporting persons with reduced mobility first. This is the only way to ensure optimum protection of passengers in the event of an accident.
- The product was tested for use in a vehicle for transporting persons with reduced mobility in combination with a multifunctional seating unit of the Kimba Neo or with a Mygo seating system. Further information can be found in the document "Using your product for transportation in a wheelchair accessible vehicle", order number 646D158.
- Note that the use of the product with a Mygo seating system in a vehicle for transporting persons with reduced mobility is permitted only if a second locking pin for securing the seat angle is fitted on the Kimba outdoor mobility base.
- Use of the product in combination with the artificial respiration platform option is **not** permitted.
- ► The buggy board has to be removed before using the product in a vehicle for transporting persons with reduced mobility.

Incorrect transport weight during use in vehicles for transporting persons with reduced mobility

Serious injuries in case of accidents due to exceeding the allowable load capacity

- During use in a vehicle for transporting persons with reduced mobility, the maximum user weight in the product in combination with a multifunctional Kimba Neo seating unit is limited to 40 kg.
- The storage basket must be emptied prior to use in a vehicle for transporting persons with reduced mobility.

INFORMATION

For transporting children up to **36 kg**, Ottobock urgently recommends using a restraint system for children (known as a child car seat) tested according to ECE 44.03 or higher, or a restraint system according to ECE 44.04 developed especially for disabled children (e.g. "Lars" child car seat from Ottobock). Observe the legal regulations for your country/state in all cases.

7.2.7.2 Permitted use

The product is approved according to ANSI/RESNA and ISO 7176-19.

The product may be used for seating in a vehicle for transporting persons with reduced mobility if a suitable restraint system is used. The safety belts and positioning aids offered by the manufacturer only serve to further stabilise the person using the product.

The following options must be detached from the rehab buggy prior to transport in the vehicle for transporting persons with reduced mobility:

- Sun canopy
- Grab rail
- Tray

- Diaper bag
- Backpack

7.2.7.3 Required accessories

A belt set is required to secure the rehab buggy for use as a seat in a vehicle for transporting persons with reduced mobility.

- The lashing points are integrated in the base frame:
 - Lashing points, front: see fig. 60, item 1
 - Lashing points, rear: see fig. 61, item 1
- The belt set can be obtained from a third-party manufacturer. Further information about suppliers can be found in the document "Using your product for transportation in a wheelchair accessible vehicle", order number 646D158.



7.2.7.4 Adjusting the seating unit

Before using the product in a vehicle for transporting persons with reduced mobility, the seating unit must be adjusted in the driving direction (so the user faces forward in the direction of travel).

- **Kimba Neo seating unit:** To remove/rotate and mount the seating unit, see the instructions for use (user), article number 647G892.
- **Mygo seating system/alternative seating systems:** To remove/rotate and mount the seating unit, see the separate instructions for use of the seating system.

7.2.7.5 Adjusting and securing the seat angle

7.2.7.5.1 Kimba Neo seating unit

Activating the locking mechanism

Before the product can be used in a vehicle for transporting persons with reduced mobility, the seat angle must be adjusted horizontally and secured.

- 1) Turn the top knob to the right and adjust the seat bottom so it is horizontal (Adjusting the seat angle).
- Pull out the locking pin, rotate it to the left and reinsert it (see fig. 62, item 1).
 → The locking pin is now engaged (see fig. 63).
- 3) Tilt the seat adapter (see fig. 63, item 2) against the locking pin.
 - \rightarrow The seat adapter must contact the locking pin without play.





Deactivating the locking mechanism

After use in a vehicle for transporting persons with reduced mobility, the seat angle adjustment must be enabled again:

- 1) Pull out the locking pin and secure it in the disengaged position by turning it (see fig. 64).
- 2) The locking pin is disengaged (see fig. 65, item 1). The seat angle can now once again be adjusted by turning the top rotary knob.



7.2.7.5.2 Mygo seating system

Activating the locking mechanism

Before the product can be used in a vehicle for transporting persons with reduced mobility, the seat angle must be adjusted horizontally and secured.

- 1) Turn the knob on the upper front part of the frame in the direction indicated by the arrow and adjust the seat bottom so it is horizontal (Adjusting the seat angle).
- 2) Pull out the first locking pin, rotate it to the left and reinsert it (see fig. 62, item 1).
 - \rightarrow The locking pin is now engaged (see fig. 63, item 1).
- 3) Tilt the seat adapter (see fig. 63, item 2) against the locking pin.
 - \rightarrow The seat adapter must contact the locking pin without play.
- 4) For additional stability, pull out the second locking pin on the opposite side, rotate it to the left and reinsert it (no picture available).

Deactivating the locking mechanism

After use in a vehicle for transporting persons with reduced mobility, the seat angle adjustment must be enabled again:

- 1) Pull out the locking pins on both sides and secure them in the disengaged position by turning them (see fig. 64).
- 2) The locking pins are disengaged (see fig. 65, item 1). The seat angle can now once again be adjusted by twisting the knob on the upper front part of the frame.

7.2.7.5.3 Alternative seating systems

Note the information in the previous section.

7.2.7.6 Adjusting and securing the back angle

7.2.7.6.1 Kimba Neo seating unit

Before using the product in a vehicle for transporting persons with reduced mobility, the back angle must be locked in the vertical position:

- 1) Turn the bottom rotary knob to the left and adjust the back angle to vertical (see fig. 66; Adjusting the backrest angle).
- 2) Turn the bottom rotary knob approx. **5 mm** further to the left in order to activate the back securing bolt.
- Pull out the back securing bolt and turn it 90° (see fig. 67). The protruding locking aids on the back securing bolt (see fig. 67, item 1) have to engage in the horizontal slotted holes (see fig. 68, item 1).
- 4) Turn the bottom rotary knob to the right to secure the back angle.

Deactivating the locking mechanism

After use in a vehicle for transporting persons with reduced mobility, the back securing bolt must be deactivated.

- 1) Turn the bottom rotary knob to the left until the back securing bolt is released.
- 2) Pull out the back securing bolt and turn it 90° (see fig. 67). The protruding locking aids on the back securing bolt must engage in the vertical slotted holes (see fig. 68, item 2).
- 3) Turn the bottom rotary knob to the right to secure the back angle without the back securing bolt (see fig. 66; Adjusting the backrest angle).







7.2.7.6.2 Mygo seating system

Before using the product in a vehicle for transporting persons with reduced mobility, the back angle must be tilted back gently to an angle of **approx. 95**°.

Note the information in the separate instructions for use provided for the seating system.

7.2.7.6.3 Alternative seating systems

Before using the product in a vehicle for transporting persons with reduced mobility, the back angle must be tilted back gently to an angle of **approx. 95**°.

Note the information in the separate instructions for use provided for the seating system.

7.2.7.7 Securing the product in the vehicle

For transportation in a vehicle for transporting persons with reduced mobility, the rehab buggy must be secured with tie-down straps as follows:
- 1) In the direction of travel, slide the product approximately in the middle between or over the perforated rails anchored on the bottom of the vehicle and secure it with the wheel lock.
- 2) Check that the belt system in the vehicle matches the lashing points installed on the product.
- 3) Attach the tie-down straps mounted on the bottom of the vehicle to the lashing points on the product (see fig. 60; front: item 1, rear: item 2):
 - \rightarrow Front: engage the hooks in the lashing points from the inside to the outside (see fig. 69, item 1).
 - \rightarrow **Rear:** engage the hooks in the lashing points from the inside or the outside (see fig. 70, item 1).
- 4) Firmly tighten the tie-down straps in accordance with the manufacturer's specifications. The maximum angle of the front tie-down-straps is **45**° (see fig. 71).
- 5) Fold the push handle down to provide additional stability for the seating system (see fig. 71, item 1).
- 6) For "swivelling" front wheel option only: turn the caster wheels to face forwards for improved stability (see fig. 71).
- 7) Remove all prohibited components from the product (Permitted Use).
- 8) Adjust the suspension to "firm" (Adjusting the suspension).
- \rightarrow The tie-down straps are correctly attached (see fig. 71).



7.2.7.8 Securing the user in the product

For transportation in a vehicle for transporting persons with reduced mobility, the user must be secured in the rehab buggy with safety belts as follows:

- 1) Place the user in a nearly upright seated position.
- 2) Attach the lap belt to the anchor points (pins) provided:
 - \rightarrow Pull one end of the lap belt from each side of the seat through to the bottom (see fig. 72, see fig. 73).
 - \rightarrow Engage the ends of the lap belt on the anchor points (pins) provided (see fig. 74, item 1).
 - → INFORMATION: The lap belt must be worn at an angle of 45° to 75° to the horizontal. When this is not possible in exceptional cases, an angle between 30° and 45° to the horizontal can also be chosen (see fig. 75).
- 3) Engage the shoulder belt in the lap belt (see fig. 76).





7.3 Kimba Cross

7.3.1 Seating unit

Use of alternative seating systems

Serious injuries to the user due to faulty operation

The product can be equipped with the Kimba Neo seating unit or alternative seating systems. Observe the information in the separate instructions for use for the seating unit/seating system in all cases.

7.3.2 Seating shell interface

The Kimba seating shell interface serves as the basis for individual seating shell fittings (see fig. 77). They are available in various sizes and can include a footrest assembly. Attachment to the seat adapters and the function and operation of the footrest assembly are identical to those of the seating unit.



7.3.3 Push bar

Improper lifting by attendants

Tipping over, falling of the user due to lifting on removable components

Attendants may lift the buggy only by welded or permanently attached components. It is particularly dangerous to lift the buggy by the footrest, push bar, lap bar, or armrests.

7.3.3.1 Adjusting the height of the push bar

- 1) Loosen the clamping lever on both sides.
- 2) Adjust the push bar to the desired height.
- 3) Tighten the clamping lever (see fig. 78, item 1).



7.3.3.2 Adjusting the angle of the push bar

- 1) Flip up the clip of the locking pin and pull out the locking pin.
- 2) Select the desired push bar angle.
- 3) Insert the locking pin through the hole in the back brace and secure it with the clip (see fig. 79)



7.3.4 Wheel lock

Wheel lock not engaged when getting in or out

Falling, tipping over of the user due to user error

- Before the user gets in or out, always engage and check the wheel lock.
- Engage the wheel lock to prevent the rehab buggy from moving on uneven ground or during transfers (e.g. into a car).

NOTICE

Incorrect use of the wheel lock

Damage to wheels, loss of braking function due to incorrect operation

- ▶ Do not use the wheel lock whilst travelling. The product must be standing still before braking.
- ► Do not engage the wheel lock forcefully.
- When you activate the wheel lock and feel clear resistance, you can move the wheels slightly forwards or backwards to change their positions so that the lock pin latches on to the brake ring.

7.3.4.1 Engaging the wheel lock

- 1) Pull the wheel lock levers to apply the drum brakes (see fig. 80, item 1).
- 2) By simultaneously moving the small wheel lock levers down, lock the wheel locks (see fig. 80 item 2).
- 3) Activate the wheel lock levers again to release the wheel locks (see fig. 80 item 1).



7.3.4.2 Adjusting the wheel lock

- 1) Loosen the counter nut (see fig. 81, item 1)
- 2) Turn the adjustment nut (see fig. 81, item 2)
- 3) Tighten the counter nut (see fig. 81, item 1).



7.3.5 Adjusting the seat angle

- 1) Loosen and open the knob on the left side of the chassis up to the stop (see fig. 82).
- 2) Push down on the spring-loaded knob so that the seat can be moved freely around the axle of the seat adapter.
- 3) Select the desired seat position.
- 4) Release the knob and wiggle the seat back and forth slightly to engage it.
- 5) Tighten the knob (see fig. 82).



7.3.6 Adjusting the wheelbase

- 1) Remove the two Allen screws on both sides of the oval tube front frame.
- 2) Push in or pull out the front frame to adjust it in the range of 800 mm to 920 mm (see fig. 83 and see fig. 84).
- 3) Reposition and tighten the two Allen screws of the oval tube front frame on both sides.



7.3.7 Use as a bicycle trailer

Risky operation

Falling, tipping over backwards and to the side due to approaching obstacles incorrectly

- Test the driving behaviour of the linked bicycle and bicycle trailer in a safe environment before taking trips.
- ► Test the wider wheel track in a safe environment.
- ▶ By looking ahead while riding, avoid driving over larger obstacles quickly with just one rear wheel.
- ▶ Never cross obstacles at an angle. Always approach obstacles head on (at an angle of **90**°).
- Avoid drifting when driving through curves.

7.3.7.1 Mounting the coupling on the bicycle

The scope of delivery includes:

- Coupling, type E from the Weber company for mounting to the axle of a bicycle
- Two metal locking disks for bicycle hubs with rigid axle (large hole) or with quick-release mechanism (small hole)
- 1) Remove the wheel nut or quick-release mechanism.
- 2) Slide the basis onto the axle (see fig. 85, item 4).
- Insert the locking disk so that the joint piece is horizontal (see fig. 85, item 3 and item 2).
 INFORMATION: Make sure that the teeth of the locking disk properly engage with the basis.
- 4) Firmly tighten axle and coupling with the wheel nut or quick-release mechanism.
- 5) Check if the wheel is seated securely.
- 6) Position the safety cable around the wheel axle and engage it (see fig. 85, item 1).

- 7) Insert the rubber stopple.
- **INFORMATION:** First tighten the adjustment nut of the quick-release mechanism until the quick-release clamping lever can be closed firmly.
- Screw the adjustment nut of the quick-release mechanism onto the clamp axle by at least 5 turns.
 INFORMATION: Observe the instructions for use of your bicycle and/or quick-release mechanism.



7.3.7.2 Coupling the trailer to the bicycle

The instructions for connecting the trailer to the bicycle are written on a sticker which is attached to each draw-bar. The trailer draw-bar will additionally be secured to the bicycle frame with a safety strap.

7.3.7.3 Bicycle trailer accessory package

7.3.7.3.1 Reflectors

- 1) Attach the two red reflectors respectively to the rear cross-tube with the tube clamps (see fig. 86, item 1) (as an alternative to a second red reflector, a combination of rear light plus reflector may be included).
- 2) Attach the two white reflectors at the front of the Kimba Cross to the splash guard using adhesive tape.



7.3.7.3.2 Rear light

Attach the battery-powered rear light, also at the rear cross-tube using one or more tube clamps (see fig. 86, item 1) (as an alternative to a second red reflector, a combination of rear light plus reflector may be included).

7.3.7.3.3 Rollover bar

- 1) Attach the rollover bar on the push bar (see fig. 87).
- 2) Insert and tighten the Allen head screws (see fig. 87).



7.3.7.3.4 Pennant

- 1) Loosen the left-hand cap nut of the push bar bearing (see fig. 88 item 1).
- 2) Insert the fork of the fibreglass rod behind the washer (see fig. 88, item 2).
- 3) Tighten the left-hand cap nut of the push bar bearing (see fig. 88 item 1).



7.3.8 Additional options

7.3.8.1 Swivelling front wheel

The swivelling front wheel reduces the turning radius of the rehab buggy, making it easier to use in confined spaces.

- 1) Remove the fixed front wheel with the splash guard (see Page 38, Installing the front wheel).
- 2) Insert the swivelling front wheel into the fork and push it to the rear and up (see fig. 89, item 1).
- 3) Close the eccentric lever of the quick-release axle (see fig. 90).





7.3.8.2 Splash guard for rear wheels/clothing protectors

- 1) Press the central bolts of the quick-release axles and remove the rear wheels.
- 2) Insert the splash guard adapter and screw it in place (see fig. 91, item 1).

4) Insert and lock the rear wheels.





7.3.8.3 Anti-tipper

The anti-tipper prevents the mobility base from tipping too far backward.

- 1) Loosen the screw connection of the right rear axle and remove the nut and lock washers.
- 2) Put on the anti-tipper so that the fork of the anti-tipper engages with the crossbrace (see fig. 93).
- 3) Guide the bore hole of the anti-tipper over the rear axle and reinstall the nut with the lock washers.
- 4) Tighten the nut. **Optional:** By pressing down and then turning, swing the anti-tipper from the active to the passive position (see fig. 94 and see fig. 95).







7.3.8.4 Storage bag

- 1) Attach the side of the storage bag with 3 snap fasteners to the lateral frame tube.
- 2) Attach the side with 2 snap fasteners to the right and left of the base frame.

7.3.8.5 Spoke protector

• Attach the spoke protector to the spokes with mounting elements.

7.3.9 Disassembly and transport

Exposed pinch points

Crushing, pinching due to incorrect handling

► When folding out the backrest, only grip by the specified components.

NOTICE

Deformation when folded

Damage to the product, problems unfolding due to unallowable loads

► Never place heavy objects on the folded product.

INFORMATION

The product can be equipped with the Kimba Neo seating unit or alternative seating systems. In this case, please observe the information in the separate instructions for use for the seating system.

7.3.9.1 Folding the chassis

- 1) Pull the quick-release axles and the wheels together out of the axle retainer.
- 2) Remove the quick-release axles from the rear wheels.
- 3) Open the eccentric lever of the front wheel.
- 4) Remove the front wheel with the splash guard from the fork.
- 5) Release the clip (see fig. 96).
- 6) Pull the locking pin out of the hole in the back brace and the lugs.
- 7) Slide the back brace out of the adapter and fold down the push bar (see fig. 97).
- 8) Insert the locking pin into the frame lugs (see fig. 98).
- 9) Insert the transport locks.







7.3.10 Use in vehicles for transporting persons with reduced mobility

Improper use in vehicles for transporting persons with reduced mobility

Risk of serious injury when using the product as a seat

- The product has **not** been approved by the manufacturer for use as a seat in vehicles for transporting persons with reduced mobility.
- Users have to transfer to the seats installed in the motor vehicle with the corresponding vehicle restraint systems.

7.4 Kimba Inline

7.4.1 Seating unit

Use of alternative seating systems

Serious injuries to the user due to faulty operation

► The product can be equipped with the Kimba Neo seating unit or alternative seating systems. Observe the information in the separate instructions for use for the seating unit/seating system in all cases.

7.4.2 Adjusting the seat angle

- 1) Release the clamping lever (see fig. 99).
- 2) Set the seat angle to the desired position.
- CAUTION! With one hand, secure the occupant against falling out (e.g. by holding his/her upper body).
- 3) Tighten the clamping lever.
- 4) Press the backrest gently to the front/back to make sure that the seat angle is securely set. If this is not the case, retighten the clamping lever.



7.4.3 Push bar

Improper lifting by attendants

Tipping over, falling of the user due to lifting on removable components

Attendants may lift the buggy only by welded or permanently attached components. It is particularly dangerous to lift the buggy by the footrest, push bar, lap bar, or armrests.

7.4.3.1 Adjusting the push bar

The height of the push bar can be adjusted:

- 1) Loosen the clamping lever on both sides (see fig. 100).
- 2) Press the two buttons on both sides simultaneously (see fig. 100, item 1).
- 3) Move the push bar to the desired position.
- 4) Tighten the clamping lever (see fig. 100).



7.4.4 Wheel lock

Wheel lock not engaged when getting in or out

Falling, tipping over of the user due to user error

- ▶ Before the user gets in or out, always engage and check the wheel lock.
- Engage the wheel lock to prevent the rehab buggy from moving on uneven ground or during transfers (e.g. into a car).

NOTICE

Incorrect use of the wheel lock

Damage to wheels, loss of braking function due to incorrect operation

- ▶ Do not use the wheel lock whilst travelling. The product must be standing still before braking.
- ► Do not engage the wheel lock forcefully.
- ▶ When you activate the wheel lock and feel clear resistance, you can move the wheels slightly forwards or backwards to change their positions so that the lock pin latches on to the brake ring.

7.4.4.1 Engaging the wheel lock

- 1) Pull the wheel lock levers to apply the drum brakes (see fig. 101). **Optional:** By simultaneously moving the small wheel lock levers down, lock the wheel locks (see fig. 102).
- 2) Activate the wheel lock levers again to release the wheel locks (see fig. 101).





7.4.4.2 Adjusting the wheel lock

To achieve an optimum braking effect, the braking force is adjusted using the adjustment screw (see fig. 103, item 2).

- Increase the braking force: Back off the adjusting screw.
- Reduce the braking force: Screw in the adjustment screw.
- 1) Loosen the counter nut (see fig. 103, item 1) and back off the adjustment screw until a scraping noise can be heard when the rear wheel is rotated.

- 2) Screw in the adjustment screw (see fig. 103, item 2) until the scraping noise at the rear wheel disappears and the wheel runs freely.
- 3) Tighten the counter nut (see fig. 103, item 1) until the adjustment screw is fixed.
- $\rightarrow~$ The braking force of both rear wheels must be adjusted equally.



7.4.5 Adjusting the wheelbase

- 1) Loosen the clamping wheels on both sides (see fig. 104).
- 2) Press the two buttons on both sides simultaneously (see fig. 104, item 1).
- 3) Increase or decrease the wheelbase.
- 4) Tighten the clamping wheels (see fig. 104).



7.4.6 Disassembly and transport

Exposed pinch points

Crushing, pinching due to incorrect handling

▶ When folding out the backrest, only grip by the specified components.

NOTICE

Deformation when folded

- Damage to the product, problems unfolding due to unallowable loads
- ► Never place heavy objects on the folded product.

INFORMATION

The product can be equipped with the Kimba Neo seating unit or alternative seating systems. In this case, please observe the information in the separate instructions for use for the seating system.

- 1) Pull up the lock slides on both sides and fold the push bar forward (see fig. 105).
- 2) Lay the push bar onto the frame (see fig. 106 and see fig. 107).







7.4.7 Use in vehicles for transporting persons with reduced mobility

Improper use in vehicles for transporting persons with reduced mobility

Risk of serious injury when using the product as a seat

- The product has **not** been approved by the manufacturer for use as a seat in vehicles for transporting persons with reduced mobility.
- Users have to transfer to the seats installed in the motor vehicle with the corresponding vehicle restraint systems.

7.5 Care

7.5.1 Care instructions

- Do not allow sand or other particles to get into the product. They could degrade the wheel bearings, the suspension (Kimba Neo only) and the locking mechanism.
- Use in saltwater is not permitted.

7.5.2 Detaching/attaching the frame padding for cleaning (Kimba Neo only, option)

The frame padding can be removed for care and maintenance of the product.

- 1) Open the hook-and-loop closure on the frame padding.
- 2) Remove and clean the frame padding.
- 3) Fit the frame padding around the push bar and close the hook-and-loop strap.
- 4) Twist the hook-and-loop strap down and push the frame padding over the folding mechanism all the way to the release handles (see fig. 108).



7.5.3 Cleaning

Cleaning by hand

- 1) Clean all frame components and plastic parts using mild detergents only.
- 2) Wash covers made of spacer fabric and microfibre at a maximum temperature of 40 °C. To do this, remove the covers from the padding and wash the covers only.
 INFORMATION: You can wash covers in the washing machine but only in a laundry bag or pillow.

INFORMATION: You can wash covers in the washing machine – but only in a laundry bag or pillow case. However, wiping with a damp cloth is sufficient in most cases.

Important information on cleaning

- Do not use any aggressive cleaners, solvents or hard brushes, etc.
- Dirty springs should be cleaned with a soft, dry brush to prevent wear.

Cleaning in a washing chamber (Kimba Neo only)

- 1) Remove the padding and covers, and follow the washing instructions for each article.
- 2) Wash the rehab buggy at max. **60** °C for max. 10 minutes.
- 3) If necessary: Remove all components where water has accumulated.
- 4) Allow the rehab buggy to dry. In order to do so, set the folded rehab buggy vertically onto the back wheels and push handles so that water can run out (see fig. 109).

INFORMATION: We recommend drying with compressed air.

- 5) **If necessary:** Reinstall all components that were removed.
- 6) Before storing or using the rehab buggy again, verify that it is dry. Wipe wet components with a damp cloth as needed.
- 7) Ensure that all labels (nameplate and warnings) are still legible. Otherwise replace these labels.



8 Maintenance and repair

8.1 Maintenance

8.1.1 Maintenance intervals

The functions described below can be checked by the user at home at the specified intervals. While these tasks are being carried out, the user must not be sitting in the rehab buggy:

Component	Activity	Before each use	Weekly	Monthly
Folding mechanism	Check for wear			Х
Seating unit	Check attachment on mobility base			Х
	Check locking of seat angle adjustment	Х		
	Verify the function of knobs			Х
Rear wheels	Check the quick-release axles for secure seating	Х		
	Check for true running of the wheels			Х
Wheel lock	Verify braking function	Х		
Tyres	Check the tread depth (min. 1 mm)			Х
Wheels	Check that fit is free of play	Х		
Suspension (Kimba Neo only)	Check for dirt/wear/instability			X
Footplate	Check for damage			Х
	Check footplate and angle adjustment mechanism for stability			Х
Adapters for optional features	Check adapters for damage			Х
Padding/straps	Check padding for proper condition			Х
	Check belts for wear		Х	
	Verify the belt buckle functionality	Х		
Bearings	Check for dirt			Х

8.1.2 Maintenance tasks

To ensure smooth operation at all times, users or attendants with some technical skills can maintain some parts of the product:

• Hair and dirt particles generally accumulate between the caster wheel and fork. This can restrict the caster wheels from rotating smoothly. For this purpose, lubricate the caster axle between the caster wheel and caster fork with a few drops of thin, resin-free oil (sewing machine oil).

CAUTION: Do not remove the caster wheel yourself. If the caster wheel continues to not rotate smoothly, please contact the qualified personnel.

- The rear wheels are equipped with a quick-release axle system as standard equipment. To keep this system operational, ensure that no dirt adheres to the quick-release axle or receiver bushing. Periodically lubricate the quick-release axle very lightly with thin, resin-free oil (sewing machine oil).
- The piston rods of the springs should be lightly oiled with a resin-free, thin oil regularly (Kimba Neo only).
- If the rehab buggy gets wet, it should be rubbed dry again.
- Screw connections must be periodically checked for tightness, especially during the initial period of use or after making adjustments to the rehab buggy. If a screw connection loosens repeatedly, contact the specialist dealer promptly.

9 Disposal

9.1 Disposal Information

Return the product to the specialist dealer for disposal.

All components of the product must be disposed of properly in accordance with the respective national environmental regulations.

9.2 Information on Re-use

Used seat padding

Functional and/or hygienic risks due to re-use

▶ Replace the seat padding if the wheelchair is to be re-used.

The product is suitable for re-use.

Similar to second-hand machines or vehicles, products that are being re-used are subject to increased strain. Features and functions must not change in a way that could endanger users or other persons within the product's lifespan.

The product must first be thoroughly cleaned and disinfected before it can be re-used. Then the product must be examined by an authorised specialist to check the condition and to look for wear and possible damage. All worn and damaged parts as well as components which do not fit or are unsuitable for the new user must be replaced.

Detailed information on replacing components as well as information on the required tools and the prescribed service intervals can be found in the service manual.

10 Legal information

All legal conditions are subject to the respective national laws of the country of use and may vary accordingly.

10.1 Service Life

Expected service life: 4 years.

The design, manufacturing and requirements for the intended use of the product are based on the expected service life. These also include the requirements for maintenance, ensuring effectiveness and the safety of the product.

Using the product beyond the specified expected service life leads to increased residual risk and should only take place subject to the due diligence and deliberations of qualified personnel.

If the service life is reached, the user or a responsible attendant should contact the qualified personnel who fitted the product or the manufacturer's servicing department (see inside rear cover or back page for address). Here the user can obtain information about known risks and the current options for refurbishing the product.

10.2 Liability

The manufacturer will only assume liability if the product is used in accordance with the descriptions and instructions provided in this document. The manufacturer will not assume liability for damage caused by disregard of this document, particularly due to improper use or unauthorised modification of the product.

10.3 CE Conformity

This product meets the requirements of the European Directive 93/42/EEC for medical devices. This product has been classified as a class I device according to the classification criteria outlined in Annex IX of the directive. The declaration of conformity was therefore created by the manufacturer with sole responsibility according to Annex VII of the directive.

10.4 Warranty

Further information on the warranty terms and conditions can be obtained from the qualified personnel that has fitted this product or the manufacturer's service (see inside back cover for addresses).

10.5 Trademarks

All product names mentioned in this document are subject without restriction to the respective applicable trademark laws and are the property of the respective owners.

All brands, trade names or company names may be registered trademarks and are the property of the respective owners.

Should trademarks used in this document fail to be explicitly identified as such, this does not justify the conclusion that the denotation in question is free of third-party rights.

11 Technical data

11.1 Kimba Neo

Outdoor mobility base	Size 1	Size 2 ¹⁾	
Overall width [mm]	600	700	
Front wheel diameter, "swivelling" front wheels	170/6.7	170/6.7	
[mm/inch]			
Front wheel diameter, "fixed" front wheels	280/11		
[mm/inch]			
Rear wheel diameter [mm/inch]	280/11	280/11	
Push handle height (min./max.) [mm]	710/1160	710/1160	
Seat tilt (seating unit angle (min./max.)) [°]	-35/+10 or -10/+35	-35/+10 or -10/+35	
Max. load capacity ²⁾ [kg]	55	55	
Max. load storage bag ²⁾ [kg]	7	7	
Weight of mobility base [kg]	10.5	11.5	
Folded size without seat (LxWxH) [mm]	790x600x470	790x670x470	
Min. folded size with seat facing forwards; seat tilted	900x600x530 ³⁾	970x670x590	
backwards 10°, back angle 100° (LxWxH) [mm]			

¹⁾ The outdoor mobility base with fixed front wheels in size 2 is available only as a custom fabrication.

²⁾ The load capacity differs between the outdoor mobility base and the seating unit:

- Seating unit (max. 40 kg) + own weight of the seating unit, size 1 (7.5 kg) = 47.5 kg
- Outdoor mobility base (max. 55 kg) fully loaded seating unit (47.5 kg) = 7.5 kg for other accessories + weight in storage bag

³⁾ Folded dimensions of the outdoor mobility base with fixed front wheels: 970x600x530 mm.

11.2 Kimba Cross

Outdoor mobility base	Size 1
Overall width [mm]	660
Front wheel diameter, "swivelling" front wheels	300/11.8
[mm/inch]	
Front wheel diameter, "fixed" front wheels [mm/inch]	400/15.7
Rear wheel diameter	450/17.7
Push handle height (min./max.) [mm/inch]	900/1150
Seat tilt (seating unit angle (min./max.)) [°]	-5/+30
Max. load capacity [kg]	50
Max. load storage bag [kg]	7
Weight of mobility base [kg]	15.8
Folded size without seat (LxWxH) [mm]	940x600x320

Seating shell interface	Size 1	Size 2
Length [mm]	330	380
Width [mm]	190	240
Weight [kg]	10	14

11.3 Kimba Inline

Outdoor mobility base	Size 1
Overall width [mm]	640
Front wheel diameter [mm/inch]	200/7.9
Rear wheel diameter [mm/inch]	250/9.8
Push handle height (min./max.) [mm]	930/1030
Seat tilt (seating unit angle (min./max.)) [°]	-30/+40
Max. load capacity ²⁾ [kg]	50
Weight of mobility base [kg]	10.6

Outdoor mobility base	Size 1
Folded size without seat (LxWxH) [mm]	900x640x480

¹⁾ The load capacity differs between the outdoor mobility base and the seating unit:

- Seating unit (max. 40 kg) + own weight of the seating unit, size 1 (7.5 kg) = 47.5 kg
- Outdoor mobility base (max. 50 kg) fully loaded seating unit (2x) (35 kg) = 7.5 kg for other accessories + weight in storage bag

³⁾ Folded dimensions of the outdoor mobility base with fixed front wheels: 970x600x530 mm.

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