



# Kimba, Kimba Cross, Kimba Inline

EN Instructions for use ..... 3



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# 1 Foreword

## INFORMATION

Date of last update: 2023-01-10

- ▶ Please read this document carefully before using the product and observe the safety notices.
- ▶ Obtain instruction from the qualified personnel in the safe use of the product.
- ▶ Please contact the qualified personnel if you have questions about the product or in case of problems.
- ▶ Report each serious incident related to the product to the manufacturer and to the relevant authority in your country. This is particularly important when there is a decline in the health state.
- ▶ Please keep this document for your records.

## INFORMATION

- ▶ New information regarding product safety and product recalls as well as the declaration of conformity can be obtained at [ccc@ottobock.com](mailto:ccc@ottobock.com) or from the manufacturer's service department (visit [www.ottobock.com](http://www.ottobock.com) for addresses).
- ▶ You can request this document as a PDF file at [ccc@ottobock.com](mailto:ccc@ottobock.com) or from the manufacturer's service department. The PDF file can also be displayed in a larger size.

You have received a product that is very versatile for everyday use at home and outdoors.

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

### **Please note the following in particular:**

- All users and/or their attendants must be trained by qualified personnel in the use of the product. In particular, users and/or attendants must be informed of the residual risks with the aid of the safety notices in the instructions for use (user).
- The product was adapted to the needs of the user. Subsequent changes may be made only by qualified personnel. We recommend checking the product settings **once per year** to ensure optimal treatment over the long term. Especially for users with a changing anatomy (for example body dimensions, weight), an adjustment at least **once every six months** is recommended.
- 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 Function

The product is intended exclusively for holding seating systems to transport one child on the seat (Kimba Inline: two seats).

The product can be used on solid ground both indoors and outdoors.

## 2.2 Product overview

### 2.2.1 Kimba



#### Kimba outdoor mobility base

1	Bowden cable for seat tilt activation	7	Front wheel (swivelling)
2	Seat adapter	8	Rear wheel (removable)
3	Front lashing point	9	Rear lashing point
4	Suspension	10	Locking pin
5	Swivel lock	11	Release handle, folding mechanism
6	Storage basket	12	Push bar (adjustable)

### 2.2.2 Kimba Cross



**Kimba Cross**

1	Frame	4	Plug-on rear wheel/drum brake
2	12" front wheel (swivelling; option)	5	Push bar
3	16" front wheel (fixed; standard equipment)		



### 2.2.3 Kimba Inline



**Kimba Inline**

1	Push bar	5	Seat adapter
2	Brake lever for drum brake	6	Rear wheel
3	Push bar height adjustment	7	Front wheel (swivelling)
4	Frame		

## 3 Intended use

The safe use of the product can only be ensured in case of intended use in accordance with the information contained in these instructions for use. The user is ultimately responsible for accident-free operation.

### 3.1 Indications for use

The product is intended for everyday indoor and outdoor use, by an attendant, of children aged six months and up with temporary or permanent limitations of the ability to walk, inability to walk or difficulty standing up.

The product is suitable for users with intact skin whose anatomy (such as body dimensions and weight) permits the intended use of the product. It is operated by an attendant.

The product may only be used with the options that are listed on the product order form. Ottobock assumes no liability for combinations with medical devices and/or accessories for a medical device from other manufacturers outside the modular system.

Combinations based on a combination agreement that have been evaluated for effectiveness and safety are an exception to this.

### 3.2 Indications

- Minor to pronounced or complete restrictions of mobility

### 3.3 Contraindications

#### 3.3.1 Absolute Contraindications

- None known

#### 3.3.2 Relative Contraindications




- Failure to meet physical or mental requirements

### 3.4 Qualification


Assembly and adjustment tasks may only be carried out by qualified personnel. Compliance with all manufacturer specifications and all applicable legal provisions is required. Please contact the manufacturer's service department for further information.


## 4 Safety

### 4.1 Explanation of warning symbols

 <b>WARNING</b>	Warning regarding possible serious risks of accident or injury.
 <b>CAUTION</b>	Warning regarding possible risks of accident or injury.
 <b>NOTICE</b>	Warning regarding possible technical damage.


### 4.2 Safety instructions for assembly and adjustments

 <b>WARNING</b> <b>Making incorrect adjustments</b> Risk of falling, tipping over or malposition of the user due to incorrect settings ▶ Settings may only be changed by qualified personnel unless otherwise prescribed. ▶ Before testing setting changes with the user seated, all screw connections must be firmly tightened. ▶ Check the product for safety and functionality after changing the settings.
--

 <b>CAUTION</b> <b>Unsecured screw connections</b> Pinching, crushing, tipping over, falling of user due to assembly errors ▶ After all adjusting/readjusting work, retighten the attachment screws/nuts firmly. ▶ Please note that all adjustment levers are tightened by hand without the help of tools.
---

### 4.3 Safety instructions for use

#### Hazards during preparation for use

 <b>WARNING</b> <b>Independent modification of settings</b> Serious injuries to the user due to improper changes to the product ▶ Do not modify the settings established by the qualified personnel. Only the settings described in the section "Use" in these instructions for use may be adjusted independently. ▶ In case of problems with the settings, please contact the qualified personnel who adjusted your product.
--

**⚠ WARNING****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 removing/mounting the seat****⚠ WARNING****Improper removal/mounting of the seat, improper unfolding/folding of the outdoor mobility base**

User may fall due to user error

- ▶ Please note that no children are permitted to be in the seat while removing/mounting the seat or folding the outdoor mobility base.

**Hazards when getting in****⚠ CAUTION****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****⚠ WARNING****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.

**⚠ WARNING****Unsupervised parking**

Falling out, falling of the user due to neglect of the duty to supervise

- ▶ Never leave the user unattended, not even when the positioning belts or safety belts are secured and the wheel locks are activated.

**⚠ WARNING****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").

**⚠ CAUTION****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).

**⚠ CAUTION**

**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.

**⚠ CAUTION**

**Changed centre of gravity after operating the seat tilt**

Tipping over, falling out of the user due to adjustment error

- ▶ Check the tip resistance each time after changing the seat tilt, especially in combination with a back support angle setting. Secure the outdoor mobility base against tipping due to the shift in the centre of gravity.
- ▶ Avoid any extreme settings.
- ▶ Do not suspend loads on the push handles since this would additionally change the centre of gravity.

**⚠ CAUTION**

**Change in centre of gravity following back angle adjustment**

Falling over, falling out of the user due to adjustment errors

- ▶ After each modification of the back angle, check the tilt stability. To do so, hold the product with both hands by the push handle/push bar.

**⚠ CAUTION**

**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**

**⚠ WARNING**

**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).

**⚠ CAUTION**

**Improper lifting by attendants**

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

- ▶ Attendants may lift the buggy only by welded or permanently attached components (e.g. front frame tube above the front wheels, rear axle).
- ▶ It is particularly dangerous to lift the buggy by the unfixed push handle/push bar.

**Hazards due to fire, heat and cold**

**⚠ CAUTION**

**Extreme temperatures**

Hypothermia or burns due to contact with components, failure of components

- ▶ Do not expose the product to any extreme temperatures (e.g. direct sunlight, sauna, extreme cold).
- ▶ Do not leave the product in the immediate vicinity of heaters.

## Hazards due to improper use of the product

### **⚠ WARNING**

#### **Overloading**

Severe injuries if the product 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 accessories and add-on components will reduce the remaining load capacity.

### **⚠ WARNING**

#### **Loss of stability due to overloading**

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.
- ▶ Never hang heavy bags or the like on the push bar.

### **⚠ WARNING**

#### **Exceeding the service life**

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

- ▶ Using the product beyond the specified expected service life leads to increased residual risk.
- ▶ Observe the specified service life.

### **⚠ WARNING**

#### **Failure to carry out checks before each use**

User may fall, tip over or fall out of the product due to failure to carry out checks

- ▶ Before each use, check that the seat tilt and back support angle mechanisms are firmly locked.
- ▶ Before each use, check that the buckles on the positioning belts and positioning aids are working correctly.

### **⚠ CAUTION**

#### **Use of the product during diagnostic examinations and therapeutic treatment**

Impairment of the examination results or the effectiveness of treatment due to interactions of the product with devices that are used

- ▶ Make sure that examinations and treatments are carried out exclusively under the prescribed conditions.

### **⚠ CAUTION**

#### **Uncontrolled driving behaviour, unexpected sounds or odours**

Falling, tipping, collision with persons or nearby objects due to defects

- ▶ If any faults, defects or other hazards that can lead to personal injury are detected, the product must be taken out of service immediately. This includes uncontrolled movements as well as sounds that are unexpected or previously not noted or odours that deviate significantly from the state of the product at the time of delivery.
- ▶ Contact the qualified personnel.

### **⚠ CAUTION**

#### **Lack of maintenance**

User falling or tipping over due to lack of maintenance

- ▶ Check that the product is working correctly before each use.
- ▶ Observe the specified maintenance intervals (see page 52, "Maintenance" section).

### **NOTICE**

#### **Use under incorrect environmental conditions**

Damage to product due to corrosion or abrasion

- ▶ Do not use the product in salt water.
- ▶ Make sure that the wheel bearings are not damaged by sand or other particles.

## 4.4 Side effects

The following side effects may occur during use of the product:

- Neck, muscle and joint pain
  - Circulatory disorders, pressure sores
- Contact a doctor or therapist in case of problems.

### 4.5 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.

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

**INFORMATION**  
 The serial number required for enquiries and ordering spare parts and accessories is found on the nameplate. For explanations of the nameplate, see the section "Nameplate" (see page 14).

### 4.6 Nameplate and warning labels

#### 4.6.1 Nameplate

The nameplates are found on the frame.

##### 4.6.1.1 Kimba

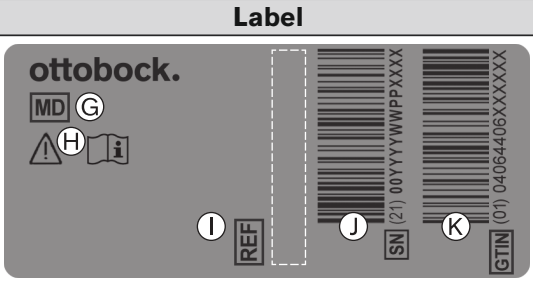
#### Nameplate for delivery as outdoor mobility base

Label	Meaning
<p>The image shows a nameplate for an outdoor mobility base. It features the 'ottobock.' logo at the top left. Below it, there is a dashed box labeled 'A'. To the right, 'C' max. Zuladung: XXX kg / XXX lb. Below that, the CE marking 'B' and manufacturer information 'D' (Otto Bock Mobility Solutions GmbH, Lindenstraße 13 - 07426 Königsee/Germany, Made in XXXX - www.ottobock.com). Below that, a serial number 'E' (SN YYYYYWPPXXXX) and a manufacturing date 'F' (YYYY-MM-DD). At the bottom, there is a warning symbol 'H', a reference number 'I', a barcode 'J' (SN (21) 00YYYYWPPXXXX), and a GTIN 'K' (01) 04064406XXXXXX.</p>	<b>A</b> Manufacturer's product name
	<b>B</b> CE marking
	<b>C</b> Maximum load (see section "Technical data")
	<b>D</b> Manufacturer information/address
	<b>E</b> Serial number <sup>1)</sup>
	<b>F</b> Manufacturing date <sup>2)</sup>
	<b>G</b> Symbol for medical device
	<b>H</b> <b>WARNING!</b> Read the instructions for use before using the product. Observe important safety-related information (e.g. warnings, precautions).
	<b>I</b> Manufacturer's reference number for the product variant
	<b>J</b> Serial number (PI) <sup>3),1)</sup>
<b>K</b> Global Trade Item Number (DI) <sup>4)</sup>	

- 1) YYYY = year of manufacture; WW = week of manufacture; PP = production site; XXXX = sequential production number
- 2) YYYY = year of manufacture; MM = month of manufacture; DD = day of manufacture
- 3) UDI-PI to GS1 standard; UDI = Unique Device Identifier, PI = Product Identifier
- 4) UDI-DI to GS1 standard; UDI = Unique Device Identifier, DI = Device Identifier

#### Nameplate for delivery as rehab buggy (outdoor mobility base in combination with a Kimba seating unit)

Label	Meaning
<p>The image shows a nameplate for a rehab buggy. It features the 'ottobock.' logo at the top left. Below it, a dashed box labeled 'A'. To the right, 'C' max. Benutzergewicht: XXX kg / XXX lb. Below that, the CE marking 'B' and manufacturer information 'D' (Otto Bock Mobility Solutions GmbH, Lindenstraße 13 - 07426 Königsee/Germany, Made in XXXX - www.ottobock.com). Below that, a serial number 'E' (SN YYYYYWPPXXXX) and a manufacturing date 'F' (YYYY-MM-DD). At the bottom, there is a symbol for medical device 'G'.</p>	<b>A</b> Manufacturer's product name
	<b>B</b> CE marking
	<b>C</b> Maximum user weight (see section "Technical data")
	<b>D</b> Manufacturer information/address
	<b>E</b> Serial number <sup>1)</sup>
	<b>F</b> Manufacturing date <sup>2)</sup>
	<b>G</b> Symbol for medical device

Label	Meaning
	<b>H</b> <b>WARNING!</b> Read the instructions for use before using the product. Observe important safety-related information (e.g. warnings, precautions).
	<b>I</b> Manufacturer's reference number for the product variant
	<b>J</b> Serial number (PI) <sup>3),1)</sup>
	<b>K</b> Global Trade Item Number (DI) <sup>4)</sup>

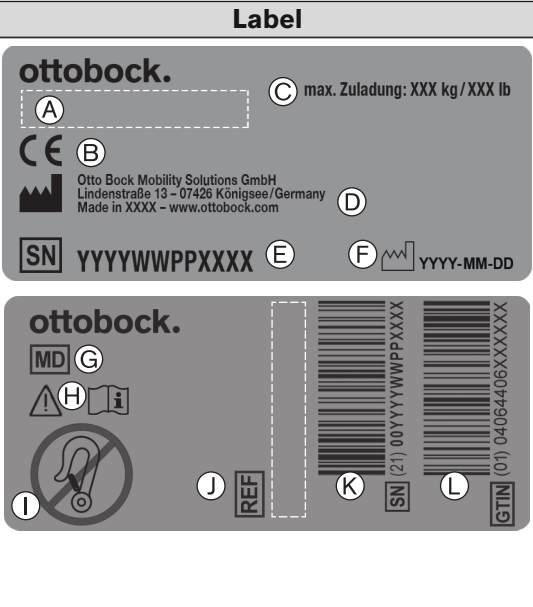
1) YYYY = year of manufacture; WW = week of manufacture; PP = production site; XXXX = sequential production number

2) YYYY = year of manufacture; MM = month of manufacture; DD = day of manufacture

3) UDI-PI to GS1 standard; UDI = Unique Device Identifier, PI = Product Identifier

4) UDI-DI to GS1 standard; UDI = Unique Device Identifier, DI = Device Identifier

**4.6.1.2 Kimba Cross, Kimba Inline**

Label	Meaning
	<b>A</b> Manufacturer's product name
	<b>B</b> CE marking
	<b>C</b> Maximum load (see section "Technical data")
	<b>D</b> Manufacturer information/address
	<b>E</b> Serial number <sup>1)</sup>
	<b>F</b> Manufacturing date <sup>2)</sup>
	<b>G</b> Symbol for medical device
	<b>H</b> <b>WARNING!</b> Read the instructions for use before using the product. Observe important safety-related information (e.g. warnings, precautions).
	<b>I</b> The product has not been approved by the manufacturer for use as a seat in vehicles for transporting persons with reduced mobility
	<b>J</b> Manufacturer's reference number for the product variant
<b>K</b> Serial number (PI) <sup>3),1)</sup>	
<b>L</b> Global Trade Item Number (DI) <sup>4)</sup>	

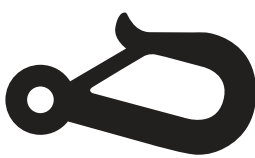
1) YYYY = year of manufacture; WW = week of manufacture; PP = production site; XXXX = sequential production number

2) YYYY = year of manufacture; MM = month of manufacture; DD = day of manufacture

3) UDI-PI to GS1 standard; UDI = Unique Device Identifier, PI = Product Identifier

4) UDI-DI to GS1 standard; UDI = Unique Device Identifier, DI = Device Identifier

**4.6.2 Warning labels**

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

## 5 Delivery

### 5.1 Scope of delivery

#### 5.1.1 Kimba, Kimba Inline

- Outdoor mobility base, folded
- Options according to the order
- Instructions for use
- Instructions for use for accessories (depending on equipment)

#### 5.1.2 Kimba Cross

- Outdoor mobility base, folded
- Enclosed: 12" front wheel, swivelling, with quick-release mechanism
- Options according to the order
- Instructions for use
- Instructions for use for accessories (depending on equipment)

### 5.2 Options

The standard model can be fitted to the user's personal requirements thanks to a large range of options. For use of these options: see page 21 ff.

### 5.3 Storage

#### 5.3.1 Storage during daily use

The product should always be stored so it is protected against external influences.

#### 5.3.2 Storage during extended disuse

The product must be stored in a dry place. Specific information for extended storage: see page 55.

It is not necessary to disassemble the product.

Maintain sufficient clearance from sources of heat. If the product is parked for an extended period of time or the tyres overheat (e.g. in the vicinity of radiators or in case of exposure to strong sunlight behind glass), the tyres may become permanently deformed.

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.

The tyres should be replaced every **2 years** regardless of wear and tear.

## 6 Preparing the product for use

### 6.1 Assembly

#### CAUTION

##### Exposed pinch points

Crushing, pinching due to incorrect handling

- ▶ Only grip the specified components when unfolding/folding.

#### CAUTION

##### 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

##### Attaching the rear wheels

- 1) If brake is engaged: Release the brake (see page 24).
- 2) Push down the locking mechanisms on the wheels (see fig. 4, item 1).



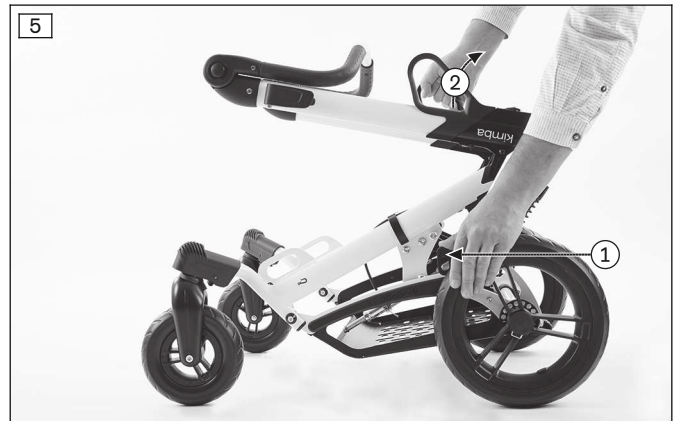
- 3) Slide the rear wheels onto the axle until you hear the locking mechanism engage.

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

- 1) Use your finger to open the folding lock (see fig. 5, item 1). Do so by moving the folding lock away from the securing pin (see fig. 6).
- 2) Fold the folding tubes up (see fig. 5, item 2). To do this, grasp the release handles on the folding tubes, for example.

**INFORMATION: The release handles of the folding mechanism engage automatically after unfolding completely (see fig. 7).**

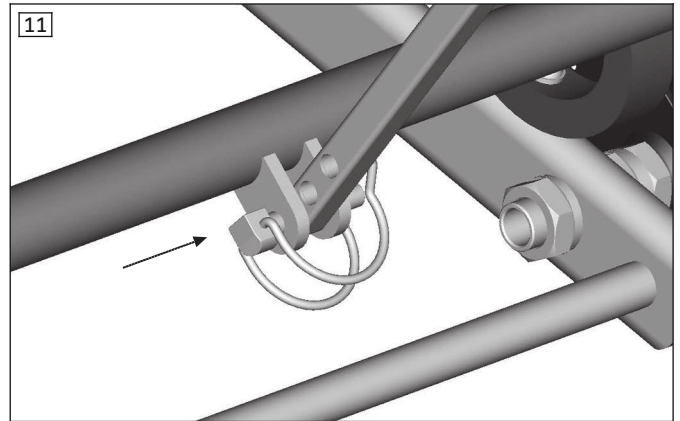
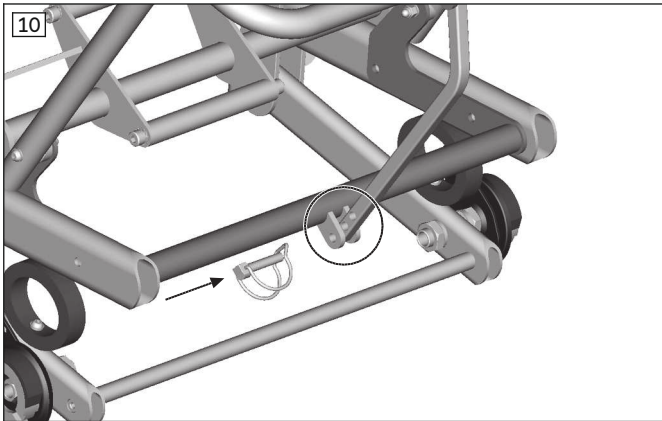
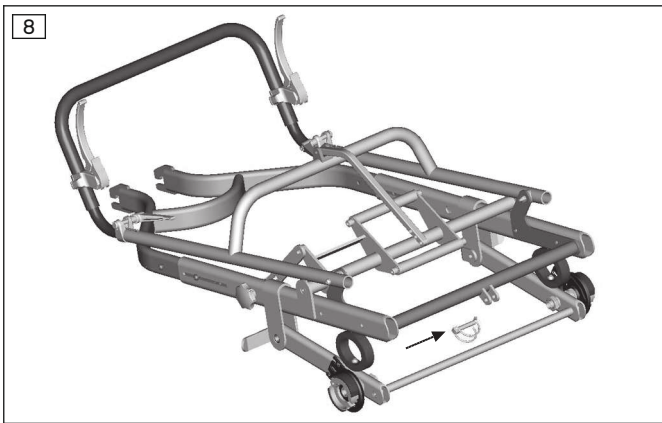
- 3) Move the push bar to the desired position (see page 23).



**6.1.2 Kimba Cross**

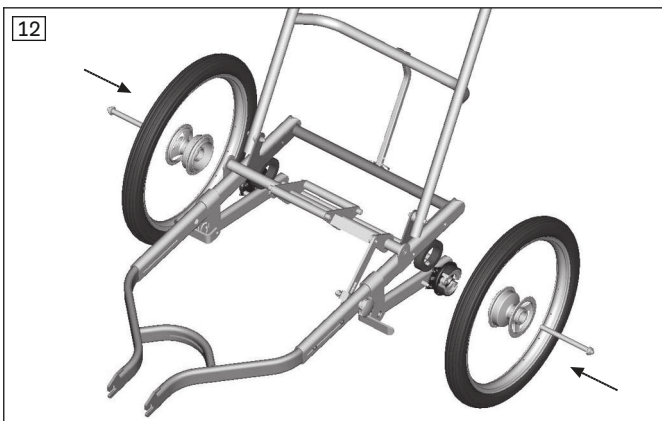
**Unfolding the rehab buggy**

- 1) Remove the transport locks and packaging.
- 2) Remove the locking pin from the receiver bore on the outdoor mobility base (see fig. 8).
- 3) Fold the push bar up and insert the back brace into the receiver (see fig. 9).
- 4) Set the desired push bar angle by selecting the corresponding hole in the back brace (see fig. 10).
- 5) Insert the locking pin through the hole in the back brace and the receiver bore.
- 6) Secure the pin with the folding clamp (see fig. 11).



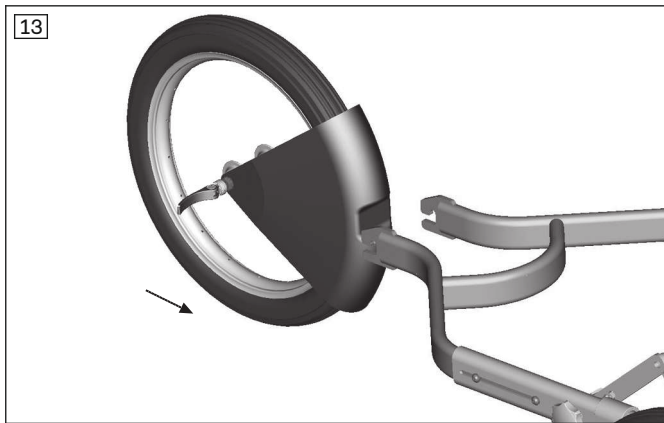
### Installing the rear wheels

► Press the quick-release axle and the wheel together into the axle retainer (see fig. 12).



### 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. 13).
- 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.



### 6.1.2.1 Equipment package

The equipment package includes:

- Roll bar
- Pennant
- Lighting (taillight red; rear reflector red)
- Reflectors, self-adhesive, white
- Spoke reflectors

Some parts of the equipment package are installed at the factory. The following components are included and have to be installed by qualified personnel:

#### Roll bar

- 1) Mount the roll bar on the push bar (see fig. 14).
- 2) Insert and tighten the Allen head screws (see fig. 14).

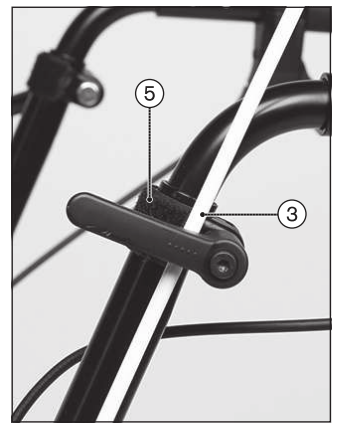
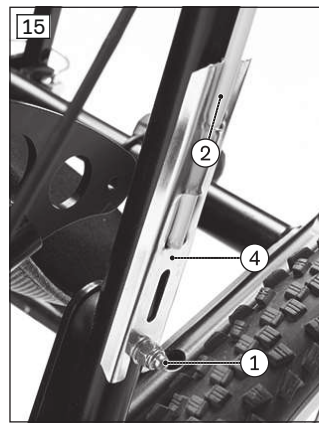
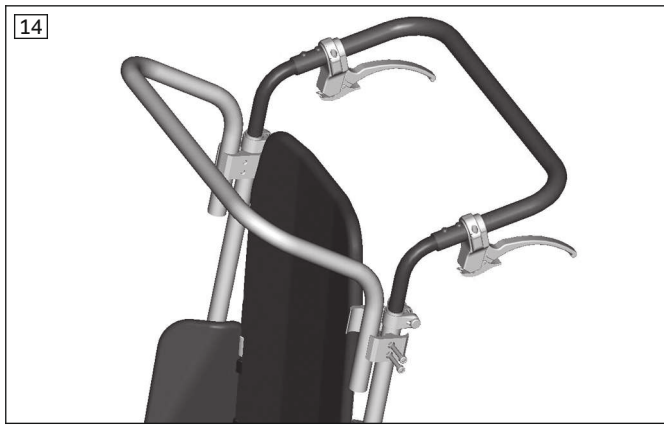
**INFORMATION: Only if the canopy is installed: Please check whether the canopy of the seating unit can be folded back all the way. If the edge of the canopy touches the roll bar, the position of the roll bar has to be adjusted slightly upwards. However, only change the height position to the smallest possible extent.**

#### Pennant

- 1) Loosen the cap nut on the left side of the push bar mounting (see fig. 15, item 1). Remove the cap nut and washer.
- 2) Hold the fibreglass rod against the push bar from the outside (see fig. 15, item 2). In doing so, support the fibreglass rod on the clamping lever of the push bar height adjustment mechanism (see fig. 15, item 3).
- 3) Insert the fork of the fibreglass rod (sheet metal component on the lower end) behind the washer of the push bar mounting (see fig. 15, item 4).
- 4) Put on the washer and tighten the cap nut of the push bar mounting (see fig. 15, item 1).
- 5) If necessary, attach the fibreglass rod of the pennant to the push bar with hook-and-loop strap (see fig. 15, item 5).

#### Lighting (taillight red, rear reflector red)

- 1) Mount the battery-operated taillight on the rear cross tube according to the manufacturer's instructions.
- 2) Mount the rear reflector on the rear cross tube using the tube clamps.



### 6.1.3 Kimba Inline

#### Unfolding the rehab buggy

- 1) Fold the push bar up from the frame (see fig. 16).
- 2) Pull the lock slides up and allow them to engage on the frame (see fig. 17, item 1).



## 7 Delivery

### 7.1 Transport to the customer

#### 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.

### 7.2 Handing over the product

#### ⚠ WARNING

##### 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.

The following steps must be performed for the safe delivery of the product:

- A sitting test has to be conducted with the user of the product. Pay special attention to proper positioning according to medical considerations.
- The user and any attendants must be instructed in the safe use of the product. In particular, the enclosed instructions for use are to be used.
- The instructions for use must be given to the user/attendant upon delivery of the wheelchair.
- **Depending on equipment:** The supplied instructions for use for accessories have to be handed over in addition.

## 8 Use

### 8.1 Instructions for use

- Attaching loads (e.g. backpacks) can adversely affect stability. Therefore, suspending additional loads on the product is not permitted.
- The recommended overall width for manual wheelchairs or comparable products in an operational state is **700 mm**. This specification should ensure unhindered use of escape routes, for example. Note that the product dimensions can exceed the recommended values for dimensions and the manoeuvring range (for more information, see page 55 ff.).

### 8.2 Kimba

#### 8.2.1 Seating unit

##### **CAUTION**

##### **Use with a seating unit or seating shell interface**

Serious injuries to the user due to faulty operation

- ▶ The product can be equipped with the Kimba seating unit or a seating shell interface. Observe the information in the separate instructions for use for the seating unit in all cases.

##### **INFORMATION**

For combinations with other or older Ottobock products, please consult the qualified personnel or the manufacturer's service department.

The instructions for use for the seating unit describe how to adjust the seating unit.

Only the seat angle is adjusted directly on the Kimba outdoor mobility base.

##### 8.2.1.1 Adjusting the seat angle

##### **CAUTION**

##### **Changed centre of gravity after operating the seat tilt**

Tipping over, falling out of the user due to adjustment error

- ▶ Check the tip resistance each time after changing the seat tilt, especially in combination with a back support angle setting. Secure the outdoor mobility base against tipping due to the shift in the centre of gravity.
- ▶ Avoid any extreme settings.
- ▶ Do not suspend loads on the push handles since this would additionally change the centre of gravity.

##### **CAUTION**

##### **Incorrect handling of the seat tilt**

Tipping over, falling out of the seating shell/seating system due to user error

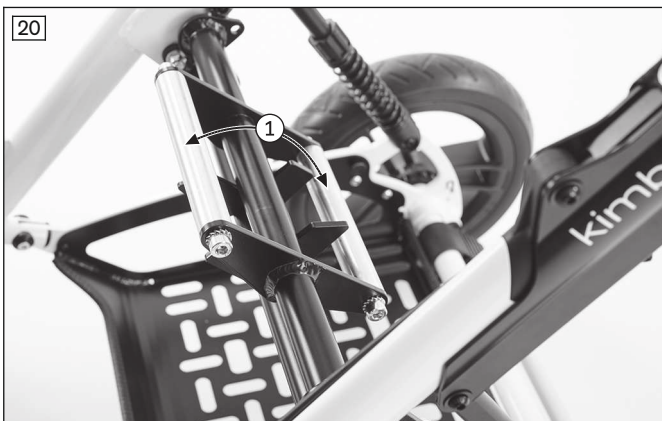
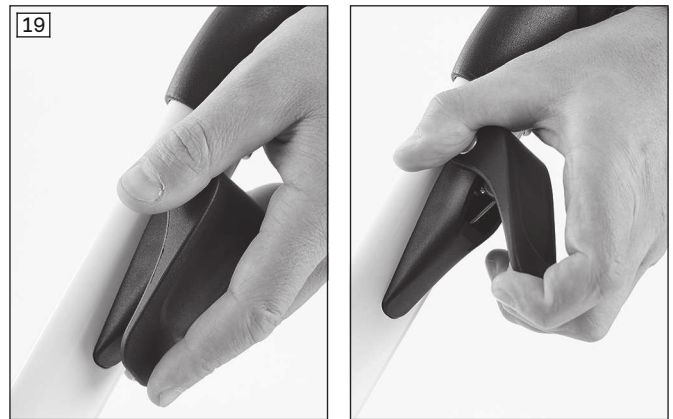
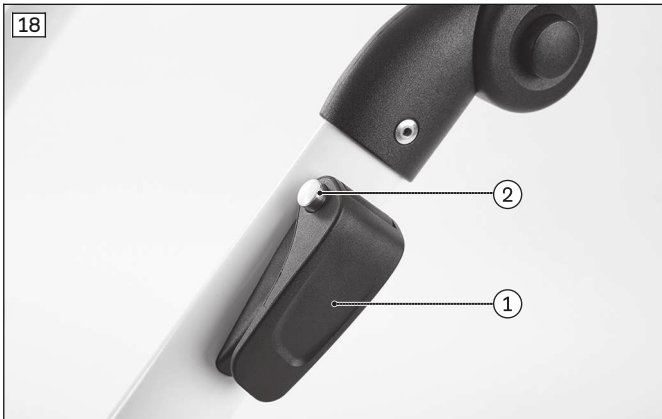
- ▶ First practise operating the seat tilt without the user.
- ▶ Operate the seat tilt only on a firm, level surface and with the wheel lock engaged.
- ▶ Before negotiating slopes or obstacles, always have the seat in the neutral, upright position. When driving downhill, the seat should be tilted slightly backwards.
- ▶ Drive only on slopes where the holding forces remain manageable.
- ▶ When operating the seat tilt, always secure the user against falling out of the seating unit either forwards or backwards. Do this by holding onto the back support of the respective seat with one hand.
- ▶ Do not reach into the adjustment mechanism when operating the seat tilt.

The seat angle of seats mounted on the outdoor mobility base is adjusted directly on the outdoor mobility base.

After actuating the seat tilt adjustment lever, the seat angle can be adjusted in the range of **-10° to +40°** (see fig. 18, item 1). The locking button has to be pressed before the lever can be actuated (see fig. 18, item 2):

- 1) **With installed seat:** Hold the seat's back support for safety reasons (not illustrated).
- 2) Press the locking button and pull the lever on the frame upwards (see fig. 19).  
**NOTICE! Damage to the seat adjustment. Pull the lever with normal manual force, only to the stop (until you feel a clear resistance). Pulling too hard could damage the adjustment mechanism.**
- 3) Now the angle of the seat adapter on the outdoor mobility base can be adjusted (see fig. 20).
- 4) **With installed seat:** Hold the back support and set the seat angle to the desired position (see fig. 21, item 1).
- 5) Let go of the lever, and the adjustment mechanism will lock automatically.

- 6) **With installed seat:** Push the back support forward/back slightly to ensure that the seat angle is securely set and cannot slip. If this is not the case, the correct position of the locking button on the lever has to be checked.



### 8.2.2 Seating shell interface

#### ⚠ CAUTION

##### Improperly installed seating shell

Falling of the user due to improper assembly and incorrect settings

- ▶ Note that the producer/distributor is responsible for the user's safety in case of using an individual seating shell. In particular, the stability against tipping and the ergonomically correct sitting position of the user must be verified. Ottobock assumes no liability in this regard.
- ▶ Note that the producer / distributor is also responsible for passing on information on adaptation, operation and care of the seating shell in case of using an individual seating shell. If you have questions, contact the qualified personnel that provided the individual seating shell.

#### INFORMATION

- ▶ The instructions for use for the seating shell interface describe how to mount it on the outdoor mobility base and the function and operation of the foot support assembly option in more detail.
- ▶ The 647H1654=\* instructions for use provide more details regarding operation when using the outdoor mobility base with a Kimba seating unit.

The Kimba seating shell interface serves as the basis for custom seating shell fittings (see fig. 22, item 1). It is available in various sizes and with the leg support option.

The seating shell interface is firmly screwed to a seating system by qualified personnel. A claw mechanism makes it easy to remove the seating unit/seating shell from the seat adapter on the outdoor mobility base. The seating shell interface has a seat lock to ensure it is securely attached (see fig. 22, item 2).

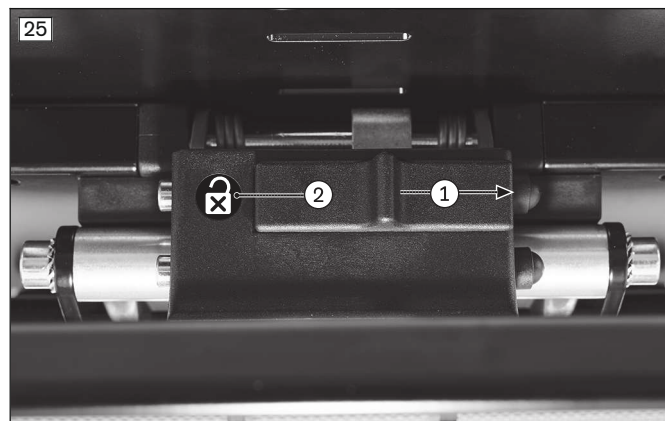
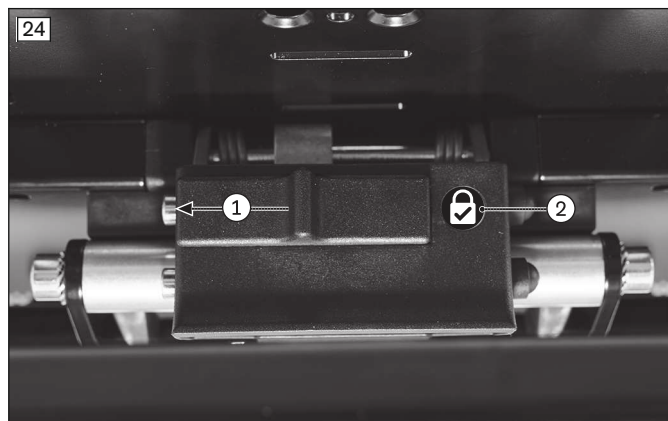
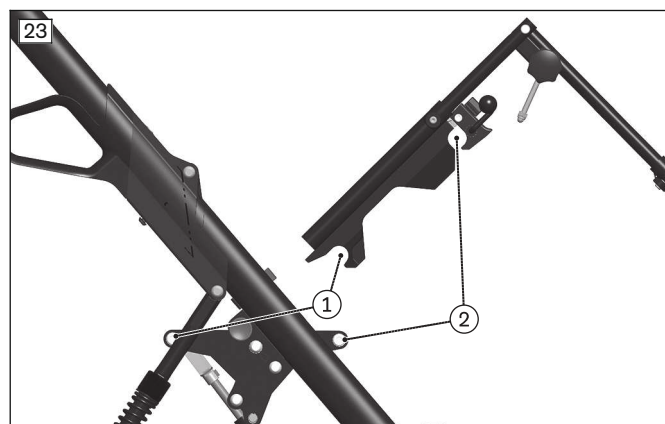
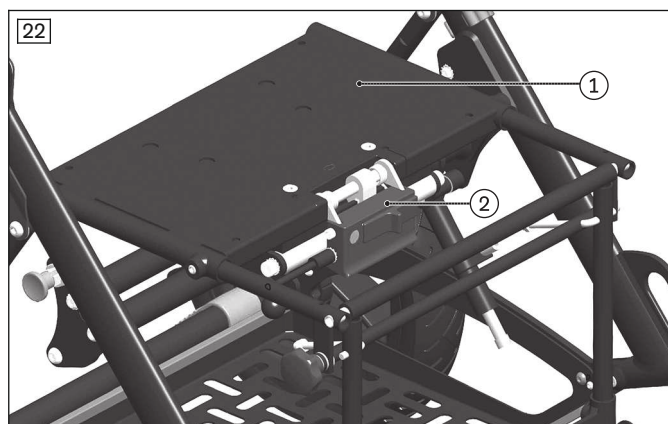
#### Putting on the seating shell/seating unit

- 1) Start by placing the seat with seating shell interface onto the rear tube of the seat adapter at an angle of **approx. 45°** (see fig. 23, item 1).
- 2) Press the front edge of the seat onto the outdoor mobility base until you hear the retaining claw snap onto the front tube of the seat adapter (see fig. 23, item 2).

- 3) Slide the seat lock to the left to engage it (see fig. 24, item 1). The green symbol shows that the seating shell interface is locked (see fig. 24, item 2).
- 4) Check that the seat and the outdoor mobility base are securely connected. You can do this, for example, by pulling back the back support of the seat.

### Removing the seating shell/seating unit

- 1) To open the seat lock, slide it to the right (see fig. 25, item 1). The red symbol indicates that the seat lock is open (see fig. 25, item 2).
- 2) Pull the seat lock release lever up (see fig. 22, item 2). The retaining claw will now release the seat adapter.
- 3) Tip the seat with the seating shell interface back at an angle of **approx. 45°** and then lift it up and off (see fig. 23, item 1/2).



## 8.2.3 Push bar

### ⚠ CAUTION

#### Lifting by removable components

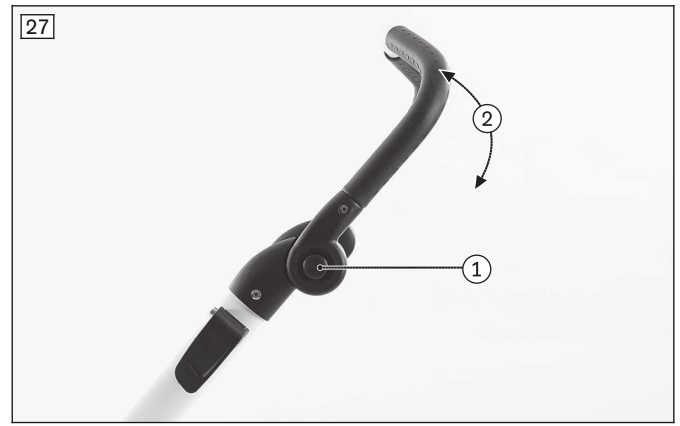
Tipping over, falling of the user due to lifting by removable components

- ▶ The product may be lifted only by firmly welded or permanently attached components. It is particularly dangerous to lift the product by the leg support, push handle/push bar, grabrail or arm supports.

### 8.2.3.1 Adjusting the push bar

The push bar can be adjusted to the desired handle height (see fig. 26):

- 1) Push in the two press buttons on the ratchet joints on both sides simultaneously (see fig. 27, item 1).
- 2) Move the push bar to the desired position (see fig. 27, item 2).
- 3) Let go of the press buttons.
- 4) Push the push bar slightly up or down until you hear the ratchet joints engage.



### 8.2.4 Wheel lock

#### ⚠ CAUTION

#### 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 wheel lock operation

Damage to the wheels, loss of braking function due to improper operation

- ▶ Do not engage the wheel lock/attendant brake while driving. The product must be at a standstill before applying the wheel lock.
- ▶ Do not use force to engage the wheel lock/attendant brake.
- ▶ **For wheel lock only:** If you feel considerable resistance when engaging the wheel lock, the position of the wheels can be changed by moving forward or back slightly so the locking pin can engage in the brake ring.

#### 8.2.4.1 Operating the wheel lock

The wheel lock needs to be engaged to take out the child, to remove and mount the seat, for folding and unfolding, and to park the rehab buggy on uneven ground.

- 1) **Engage the wheel lock:** Press the wheel lock bar down with the tip of your foot (see fig. 28).
- 2) **Release the wheel lock:** Pull the wheel lock bar up with the tip of your foot (see fig. 29).



#### 8.2.4.2 Operating the friction brake

The attendant can use the friction brake as an additional brake for the outdoor mobility base, e.g. while driving downhill.

- 1) Engage the friction brake by pulling the brake levers (see fig. 30, item 1).

**INFORMATION:** Pull the brake levers as evenly as possible on both sides so the outdoor mobility base always drives straight ahead.



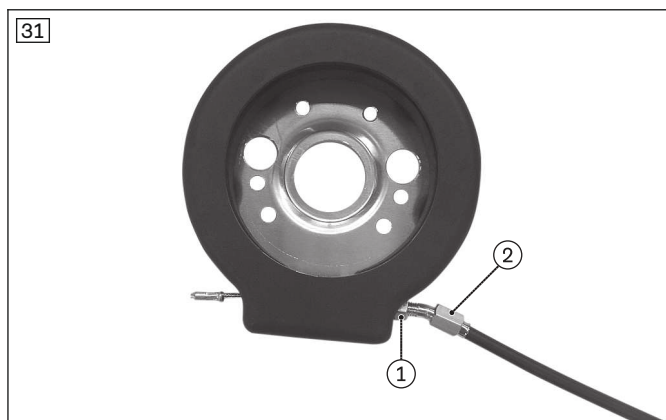
- 2) Release the brake levers; the brakes immediately release the wheels again.



#### 8.2.4.3 Adjusting the friction brake

To achieve an optimum braking effect, the braking force is adjusted using the adjustment screw (see fig. 31, item 2).

- **Increase the braking force:** Turn the adjustment screw anticlockwise.
  - **Reduce the braking force:** Turn the adjustment screw clockwise.
- 1) Loosen the counter nut (see fig. 31, item 1) and turn the adjustment screw anticlockwise until a scraping noise can be heard when the drive wheel is rotated.
  - 2) Turn the adjustment screw (see fig. 31, item 2) clockwise until the scraping noise on the drive wheel stops and the wheel runs freely.
  - 3) Tighten the counter nut (see fig. 31, item 1) until the adjustment screw is fixed.
- The braking force of both drive wheels must be adjusted equally.



#### 8.2.5 Front wheels

The outdoor mobility base is equipped with swivelling front wheels (see fig. 32). If needed, the caster wheels can be locked with the integrated swivel lock. This function increases directional stability on uneven ground.

##### Activating the swivel lock

- 1) Pull the caster swivel lock casing into the direction of travel (see fig. 33).
- 2) Push the rehab buggy forward until the caster wheels audibly engage in the caster swivel lock casings.

##### Deactivating the swivel lock

- 1) Push the caster swivel lock casings in the direction of the seat (see fig. 33).
- 2) The caster wheels are unlocked again.



### 8.2.6 Suspension

The firmness of the suspension is continuously adjustable according to the weight of the user and the ground or road conditions:

- 1) Rotate the adjusting rings evenly on both sides of the frame (see fig. 35, item 1).
  - Turning them clockwise makes the suspension more rigid.
  - Turning them counterclockwise makes the suspension less rigid.
- 2) Check that the adjusting rings are set evenly on both sides. The markings can be used for orientation (see fig. 35, item 2).

We recommend the following spring force adjustment:

User weight	Marking*
Up to 10 kg	Up to first marking from the top
Up to 20 kg	Up to second marking from the top
Up to 30 kg	Up to third marking from the top
Up to 40 kg	Up to fourth marking from the top

\* Reference point: top of the adjusting ring



### 8.2.7 Storage bag

**NOTICE**

**Overloading**

Damage due to failure to observe specifications

- ▶ Observe the maximum load of the storage basket (see page 55).
- ▶ Please note that the maximum load of the overall product must not be exceeded even after loading the storage basket.

The outdoor mobility base has a multifunctional storage basket (see fig. 36).

This storage basket is intended to hold luggage but can also be used for a respirator. The respirator is attached to the slots of the storage basket with straps by the qualified personnel if needed.



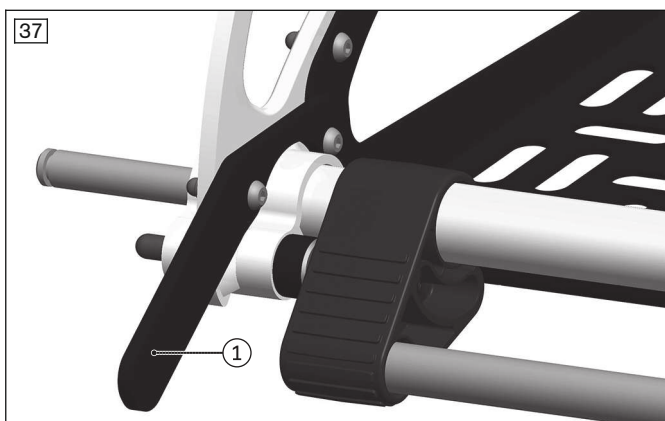
## 8.2.8 Additional options

### 8.2.8.1 Tip-assist

The tip-assist makes it easier for an attendant to tip up the outdoor mobility base, e.g. to cross a step or curb.

#### Tipping up the product

- 1) At an obstacle, place one foot on the tip-assist and push down (see fig. 37, item 1).
- 2) Tip the outdoor mobility base slightly up by simultaneously pressing down on the push bar.



### 8.2.8.2 Frame padding

The outdoor mobility base may be equipped with frame padding to provide the user with added protection against impacts in the area of the folding mechanism (see fig. 38).

#### Using the frame padding

- 1) Pass the frame padding around the push bar and fasten the hook-and-loop strap.
- 2) Turn the hook-and-loop closure down and slide the frame padding over the folding mechanism to the release handles.

**INFORMATION: Before folding the outdoor mobility base, remove the frame padding so the folding mechanism is exposed.**



### 8.2.8.3 Buggy board

#### ⚠ CAUTION

##### Improper use of the buggy board

Falling, tipping, injuries due to user error

- ▶ Do not exceed the max. load of the buggy board. This is **20 kg**.
- ▶ Ensure that the child is securely supported, e.g. on the push bar.
- ▶ Note that the buggy board must not be used as a scooter.

#### NOTICE

##### Damage during folding

Damage to the product due to user error

- ▶ Do not fold the rehab buggy up when the buggy board is installed.

#### INFORMATION

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

The buggy board (see fig. 39) allows children to ride safely while standing on their own feet and offers sufficient standing room.

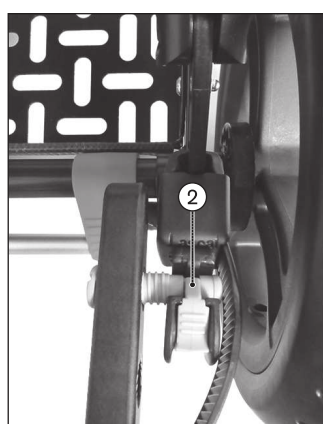
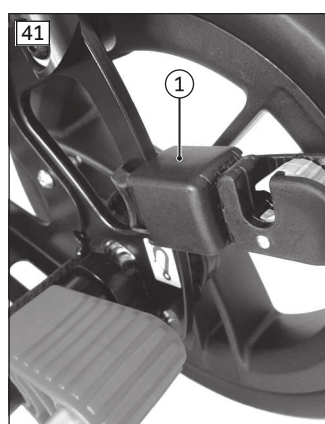
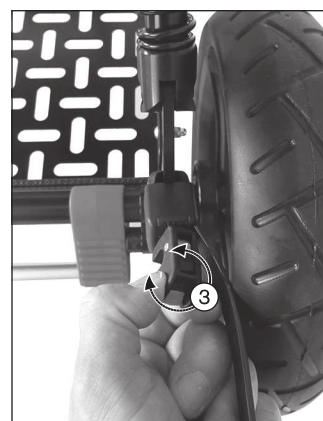
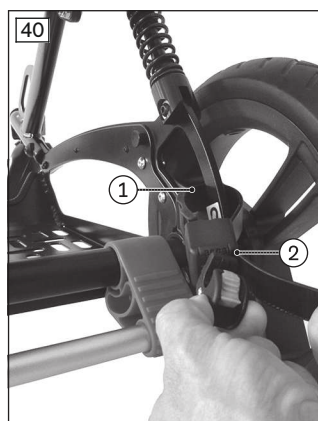
All information regarding the use, attachment and adjustment of the buggy board is contained in the manufacturer's instructions for use enclosed with the product.

#### Assembly tips

- The couplings with plastic straps are lined up at the back and secured on the rear lashing points (see fig. 40, item 1/2). The plastic straps face out towards the wheels (see fig. 40, item 2).
- Prior to use, the couplings have to be firmly attached to the rear lashing points by turning them clockwise (see fig. 40, item 3; see fig. 41, item 1).
- When they are engaged in the couplings, the locking pins face out from the inside (see fig. 41, item 2).

### Information for use

- When it is folded up, the buggy board has to be secured with the tie strap supplied by the manufacturer (not illustrated). The tie strap can be attached below the ratchet joint of the push handle (not illustrated).



### 8.2.8.4 Cup holder

The cup holder (see fig. 42) is used to hold drinking bottles within reach of the user or attendant. It can be positioned on the push bar, folding tube or grabrail as needed.

#### Assembly

- With vertically positioned tube only:** Attach the self-adhesive hook-and-loop straps in the desired position and with the correct spacing. They hold the cup holder with a full bottle.
- Attach the cup holder in the desired position using the hook-and-loop straps.



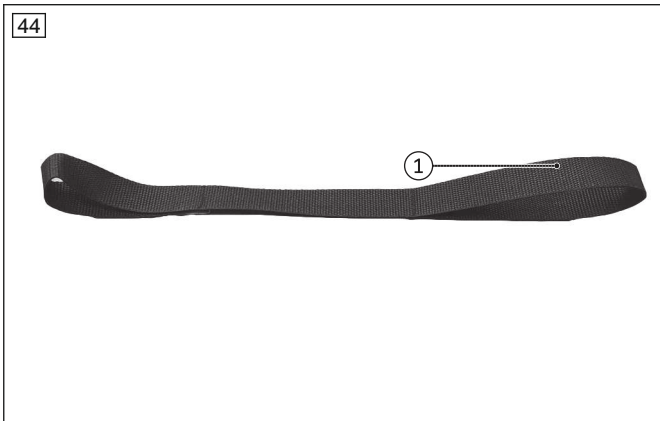
### 8.2.8.5 Retaining strap

The retaining strap is passed around the push bar and the wrist of the person pushing. The large loop goes over the wrist (see fig. 44, item 1).

Should the person pushing lose their grip on the rehab buggy while going downhill, the hand loop allows the person pushing to prevent the rehab buggy from rolling away.

### Attaching the retaining strap

- 1) Pass the retaining strap around the push bar from below.
- 2) Pass the end of the loop that hangs down through the upper loop and pull tight (see fig. 45).



### 8.2.9 Disassembly and transport

#### ⚠ CAUTION

##### Exposed pinch points

Crushing, pinching due to incorrect handling

- ▶ Only grip the specified components when unfolding/folding.

#### NOTICE

##### Deformation while folded

Damage to the product, problems with unfolding due to improper loading

- ▶ Never place heavy objects onto the folded product.
- ▶ Make sure that objects placed into the storage basket cannot be crushed while folding.

#### INFORMATION

- ▶ When transporting the product in vehicles, fold it up and remove the wheels and seat, if necessary.
- ▶ Follow the IATA (International Air Transport Association) rules and those of the relevant airline when transporting the product in an aircraft. Inform the airline several days before your flight. Use the SSR (special service request) codes if needed to describe the type of limited mobility. You can for example research these on the Internet.
- ▶ Visit [www.iata.org](http://www.iata.org) for further information. The manufacturer recommends contacting the airline directly before every flight to obtain information regarding special transport regulations.

#### INFORMATION

The product can be equipped with the Kimba seating unit or a seating shell interface. Observe the information in the separate instructions for use for the seating unit in all cases.

The outdoor mobility base must be prepared for transport:

- 1) If necessary, fold in the handle of the push bar to save space (see page 23).
- 2) Pull the release handles of the folding mechanism up (see fig. 46, item 1).
- 3) Fold the folding tubes over the seat, thereby collapsing the outdoor mobility base (see fig. 46, item 2, see fig. 47).
- 4) Check the folding lock to verify that it is properly engaged (see fig. 48, item 1). The outdoor mobility base is now collapsed (see fig. 49).
- 5) If necessary, push down the locking mechanism on the rear wheels and pull the wheels outwards (see fig. 4, item 1).
- 6) Place the outdoor mobility base into the boot and secure it against sliding using transport security devices.



### 8.2.10 Use in vehicles for transporting persons with reduced mobility

#### **⚠ WARNING**

#### **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 only tested for use in a vehicle for transporting persons with reduced mobility in combination with a Kimba seating unit.
- ▶ If the product is to be used as a seat in a vehicle for transporting persons with reduced mobility, the safety elements offered by the manufacturer and appropriate fastening and personal restraint systems must be used. For more information, please refer to our brochure with the order number 646D158=\*
- ▶ The positioning belts and positioning aids offered by the manufacturer provide only additional stability for the person sitting in the product.
- ▶ The buggy board has to be removed before using the product in a vehicle for transporting persons with reduced mobility.

#### **⚠ WARNING**

#### **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

- ▶ During use in a vehicle for transporting persons with reduced mobility, the maximum user weight in the product in combination with a Kimba 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.
- ▶ The contents of the cup holder (option) have to be removed and securely stowed for use in a vehicle for transporting persons with reduced mobility.

**⚠ WARNING****Prohibited transportation of the passenger with activated back angle adjustment**

Loss of safe restraint in the product due to user error

- ▶ Ensure that the passenger is sitting in a nearly upright position during transportation.
- ▶ If the back support angle is adjustable, bring the back support close to the upright position before transportation.
- ▶ Check the locking mechanism.

**INFORMATION**

For transporting children weighing up to **36 kg**, Ottobock strongly recommends using a child restraint system (child car seat) or a restraint system developed especially for children with disabilities which conforms to the safety standards according to ECE R 129 (i-Size) or ECE R44/04. Always observe the regulations for your country or state.

The product has been tested by the manufacturer according to ISO 7176-19 and may be used as a seat in vehicles for transporting persons with reduced mobility subject to the conditions defined below.

The product must be sufficiently secured during transport in vehicles for transporting persons with reduced mobility. The illustrations that follow show an example for anchoring in a motor vehicle.

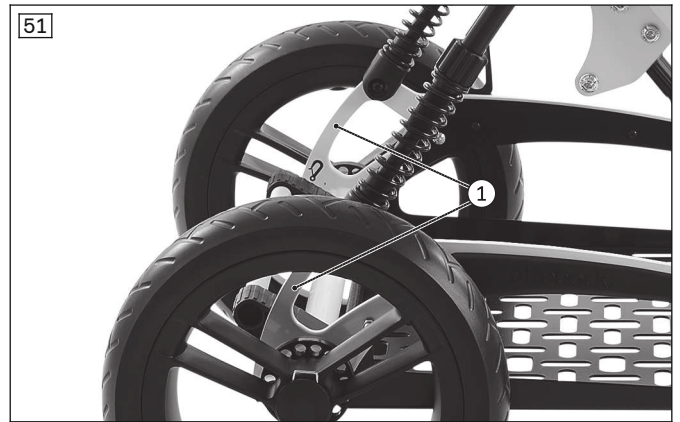
The manufacturer is not responsible for the fastening systems that are used. Ensure that only fastening systems that meet the applicable legal requirements and are designed for the overall weight of the product including the user are used.

**8.2.10.1 Required accessories**

To secure the Kimba outdoor mobility base for use in a vehicle for transporting persons with reduced mobility, four vehicle side restraint belts are attached to the anchor points.

The fixation points (eyes of the anchor points) are integrated in the base frame:

- Eyes of the front anchor points: see fig. 50, item 1
- Eyes of the rear anchor points: see fig. 51, item 1

**8.2.10.2 Using the product in a vehicle****⚠ WARNING****Positioning in vehicles for transporting persons with reduced mobility**

Serious injuries in case of accidents due to user error

- ▶ Positioning of the product in vehicles for transporting persons with reduced mobility may only be performed by the qualified personnel.
- ▶ The outdoor mobility base and the seating unit together must always face forwards when the product is used as a seat in a vehicle for transporting persons with reduced mobility.
- ▶ Instruct the qualified personnel regarding the mounting points on your product described below.



**⚠ WARNING****Inadequate transportation safety**

Loss of safe restraint due to failure to observe transportation instructions

- ▶ Observe the following instructions for correct transport safety in the vehicle for transporting persons with reduced mobility.
- ▶ If necessary, instruct the qualified personnel on the following information.

Further information on using the rehab buggy in a vehicle for transporting persons with reduced mobility is found in the sections that follow.

**8.2.10.2.1 Adjusting the seating unit**

The outdoor mobility base and the seating unit together must always face forwards when the product is used as a seat in a vehicle for transporting persons with reduced mobility.

To remove/rotate and mount the Kimba seating unit, see the seating unit instructions for use (user), reference number 647H1654=\*

**8.2.10.2.2 Adjusting and securing the seat angle****Activating the locking mechanism**

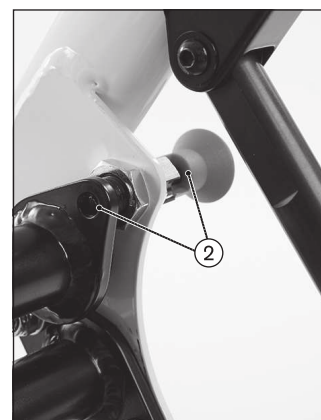
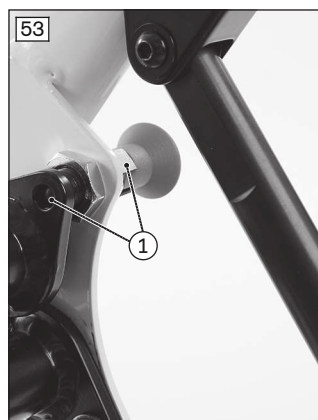
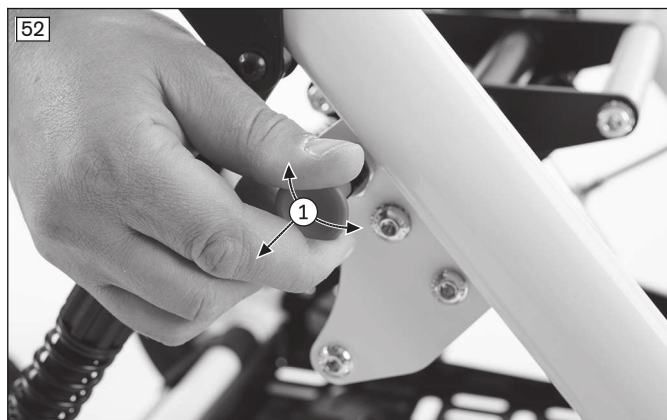
Before the product can be used in a vehicle for transporting persons with reduced mobility, the seat angle must be adjusted horizontally and secured.

- 1) Actuate the seat tilt lever on the outdoor mobility base and set the seat surface to the horizontal position (see page 21).
- 2) Pull the locking pin out and rotate it by 90° (see fig. 52, item 1). When it is released, the locking pin engages in the opening provided in the seat adapter (see fig. 53, item 1).
- 3) Push the seat adapter forward and back to check.
  - The seat adapter is now secured in both directions without play.

**Deactivating the locking mechanism**

The seat tilt must be enabled again after use in a vehicle for transporting persons with reduced mobility.

- 1) Pull the locking pin out and rotate it back by 90° (see fig. 52, item 1). When it is released, the locking pin is secured in the disengaged position (see fig. 53, item 2).
- 2) The locking pin is disengaged. Now the seat angle can be adjusted again (see page 21).

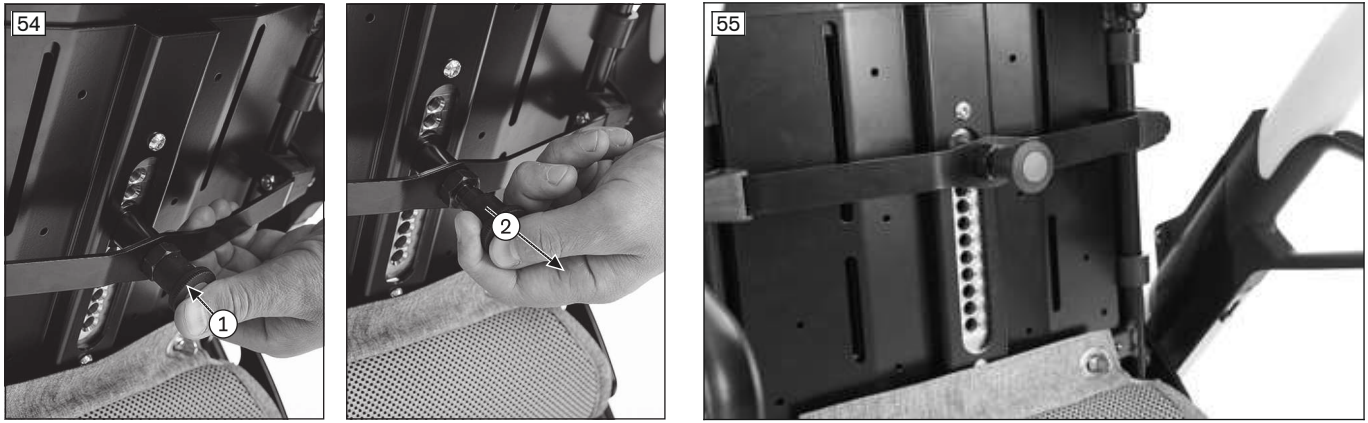
**8.2.10.2.3 Adjusting and securing the back angle**

Before using the product in a vehicle for transporting persons with reduced mobility, the back support has to be moved to the vertical position.

- 1) Press the child safety lock on the locking pin (red button) (see fig. 54, item 1). While pressing the child safety lock, pull the locking pin outwards (see fig. 54, item 2).

**CAUTION! As you do so, use the other hand to secure the back support to prevent uncontrolled movements.**

- 2) Adjust the back support angle to vertical.
- 3) Let the locking pin audibly engage in the locking position. The locking pin locks automatically; the red button protrudes slightly (see fig. 55).



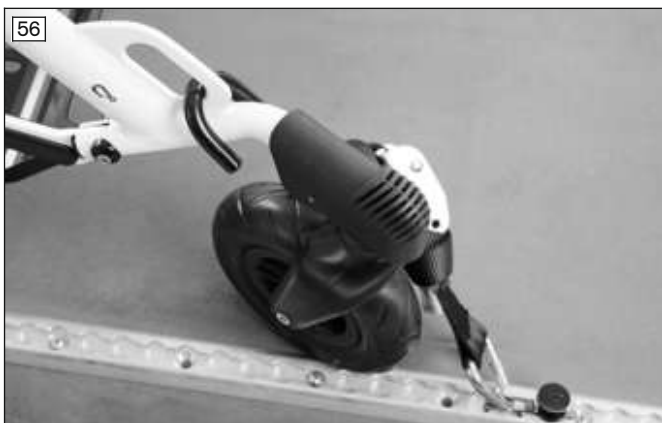
#### 8.2.10.2.4 Securing the product in the vehicle

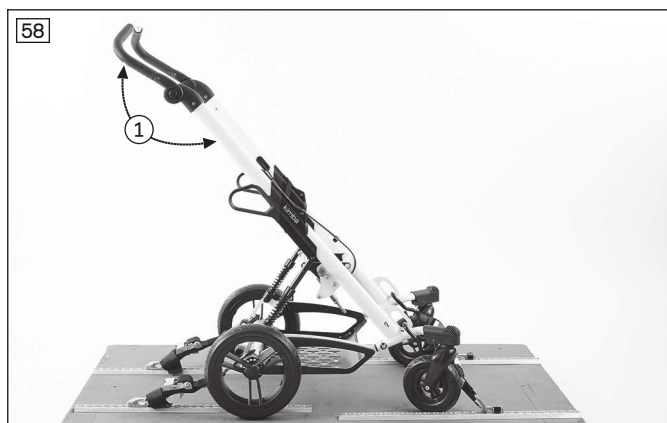
The product is attached at the fixation points (eyes of the anchor points) using four vehicle side restraint belts. The fixation points are marked with stickers (see page 15). The stickers show where the vehicle side restraint belts have to be engaged.

#### Securing the product in the vehicle for transporting persons with reduced mobility

For transportation in a vehicle for transporting persons with reduced mobility, the rehab buggy must be secured with vehicle side restraint belts 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 eyes of the anchor points installed on the product.
- 3) Attach the restraint belts mounted on the bottom of the vehicle to the eyes of the anchor points:
  - **Front:** Engage the hooks in the eyes from the inside to the outside (example: see fig. 56).
  - **Rear:** Engage the hooks in the eyes from the inside or the outside (example: see fig. 57).
- 4) Firmly tighten the vehicle side restraint belts in accordance with the manufacturer's specifications. The front restraint belts must be at an angle of **40°–60°** (see fig. 58). The rear restraint belts must be at an angle of **30°–45°** (see fig. 58).
- 5) Fold the push bar down to provide additional stability for the seating system (see fig. 58, item 1; see page 23).
- 6) Remove all prohibited components from the product (see page 36).
- 7) **If necessary:** Adjust the suspension to "rigid" (see page 26).
  - The restraint belts are correctly attached (see fig. 58).





### 8.2.10.2.5 Securing the user in the product

#### Information on correct transport safety of the user in the vehicle for transporting persons with reduced mobility

- The straps of the personal restraint system must always be routed close to the user's body. The straps must not be routed over the side panels and wheels.
- The shoulder harness must always be routed over the user's shoulder.
- The belt strap must not be twisted on the user's body.

#### Placement of the personal restraint system integrated in the vehicle for transporting persons with reduced mobility

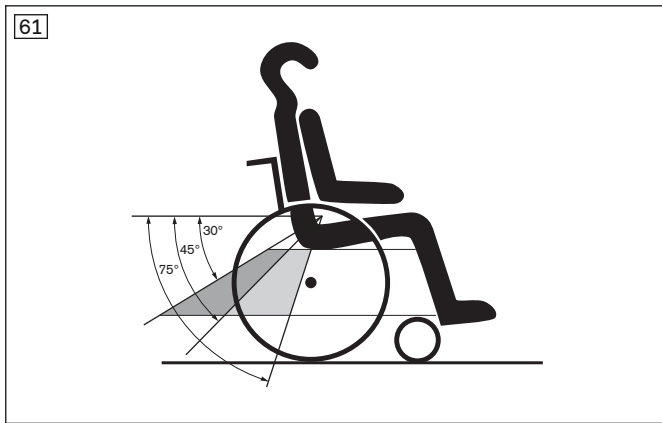
For transportation in a vehicle for transporting persons with reduced mobility, the user must be secured in the rehab buggy with positioning belts as follows:

- 1) Place the user in a nearly upright seated position.
- 2) Pass the ends of the restraint lap belt down from the seat side (see fig. 59) and engage them on the attachment points/pins provided on the left and right sides respectively (see fig. 60, item 1).

**WARNING! 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. 61).**

- 3) Secure the shoulder harness on the mounting point/pin provided on the lap belt (see fig. 62).





### 8.2.10.3 Restrictions for use

#### **⚠ WARNING**

#### **Using the product with certain settings and/or added options/accessories**

Severe injury in case of accidents due to options/accessories coming loose

- ▶ The test of the product according to ISO 7176-19 was conducted with a base model.
- ▶ Not all options/accessories are suitable for use in a vehicle for transporting persons with reduced mobility, since they may pose a risk of injury in case of an accident.
- ▶ The options/accessories listed below **that are relevant for positioning** can be detached from the product or remain on the product during transportation in a vehicle for transporting persons with reduced mobility, depending on the evaluation of the qualified personnel. The qualified personnel has to evaluate the risk of injury in case of an accident compared to the risk of medically inadequate positioning. This evaluation can be performed only by qualified personnel and individually for each user.
- ▶ The options/accessories listed below **that are not relevant for positioning** must be detached from the product and safely stowed in the vehicle for transporting persons with reduced mobility.

With regard to these options/accessories that are relevant for positioning, the **preceding safety notice must be observed**:

- Lateral head supports, adjustable laterally (seating unit)
- Thoracic supports (seating unit)
- Pommel (seating unit)
- Neck support (seating unit)
- Folding lateral supports (seating unit)
- Individually adjustable head supports (seating unit).

**Notice: One of the following positioning systems for the upper body must be used in addition to the restraint systems provided in the vehicle for transporting persons with reduced mobility: Five-point belt, harness for the upper body, positioning vest.**

The following options/accessories **must be detached** from the Kimba seating unit and from the Kimba outdoor mobility base and **securely stowed** prior to transport in a vehicle for transporting persons with reduced mobility:

- Grabrail (seating unit)
- Standard arm supports (seating unit)
- Tray (seating unit)
- Canopy; rain canopy (seating unit)
- Rain cover (seating unit)
- Rain cape (seating unit)
- Summer/winter slip sack (seating unit)
- Buggy board (outdoor mobility base)
- Nappy bag (outdoor mobility base)

Different restrictions apply for the following options:

- Hook-and-loop foot straps (seating unit): The feet are not permitted to be in the straps, or to be secured in them, during transport in a vehicle for transporting persons with reduced mobility.

## 8.3 Kimba Cross

### 8.3.1 Seating unit

#### ⚠ CAUTION

##### Use with a seating unit or seating shell interface

Serious injuries to the user due to faulty operation

- ▶ The product can be equipped with the Kimba seating unit or a seating shell interface. Observe the information in the separate instructions for use for the seating unit in all cases.

#### INFORMATION

For combinations with other or older Ottobock products, please consult the qualified personnel or the manufacturer's service department.

### 8.3.2 Seating shell interface

#### ⚠ CAUTION

##### Improperly installed seating shell

Falling of the user due to improper assembly and incorrect settings

- ▶ Note that the producer/distributor is responsible for the user's safety in case of using an individual seating shell. In particular, the stability against tipping and the ergonomically correct sitting position of the user must be verified. Ottobock assumes no liability in this regard.
- ▶ Note that the producer / distributor is also responsible for passing on information on adaptation, operation and care of the seating shell in case of using an individual seating shell. If you have questions, contact the qualified personnel that provided the individual seating shell.

#### INFORMATION

- ▶ The instructions for use for the seating shell interface describe how to mount it on the outdoor mobility base and the function and operation of the foot support assembly option in more detail.
- ▶ The 647H1654=\* instructions for use provide more details regarding operation when using the outdoor mobility base with a Kimba seating unit.

The Kimba seating shell interface serves as the basis for custom seating shell fittings (see fig. 63). It is available in various sizes and with the leg support option.

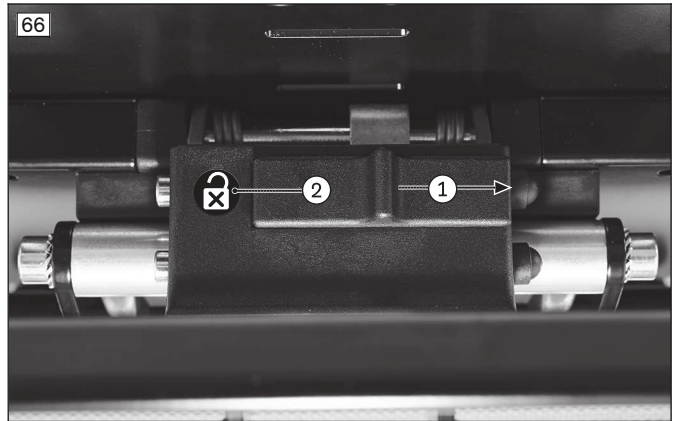
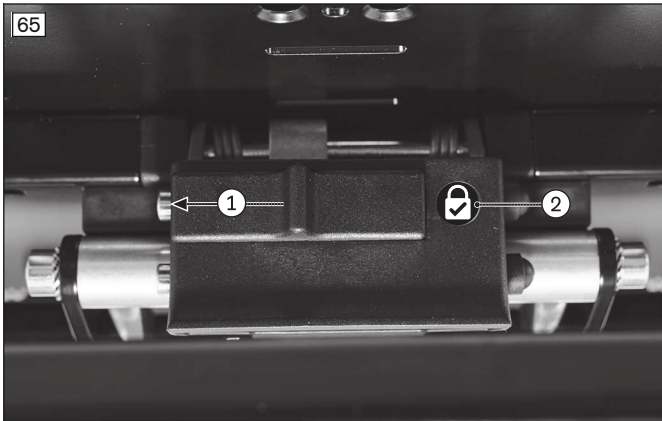
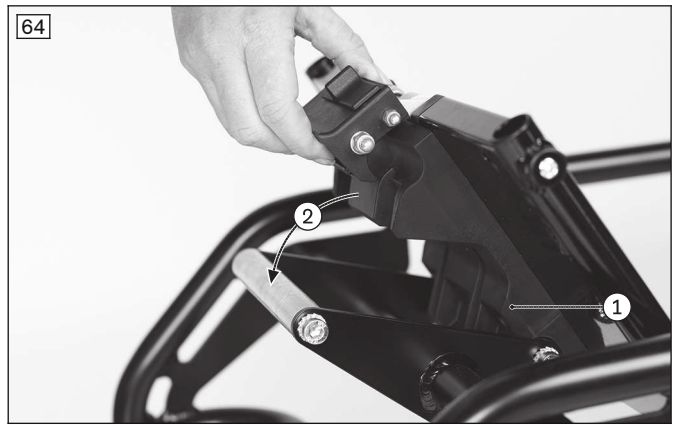
The seating shell interface is firmly screwed to a seating system by qualified personnel. A claw mechanism makes it easy to remove the seating unit/seating shell from the seat adapter on the outdoor mobility base. The seating shell interface has a seat lock to ensure it is securely attached (see fig. 22, item 2).

#### Putting on the seating shell/seating unit

- 1) Start by placing the seat with seating shell interface onto the rear tube of the seat adapter at an angle of **approx. 45°** (see fig. 64, item 1).
- 2) Press the front edge of the seat onto the outdoor mobility base until you hear the retaining claw snap onto the front tube of the seat adapter (see fig. 64, item 2).
- 3) Slide the seat lock to the left to engage it (see fig. 65, item 1). The green symbol shows that the seating shell interface is locked (see fig. 65, item 2).
- 4) Check that the seat and the outdoor mobility base are securely connected. You can do this, for example, by pulling back the back support of the seat.

#### Removing the seating shell/seating unit

- 1) To open the seat lock, slide it to the right (see fig. 66, item 1). The red symbol indicates that the seat lock is open (see fig. 66, item 2).
- 2) Pull the handle of the release lever located under the seat up (see fig. 64, item 2). The retaining claw will now release the seat adapter.
- 3) Tip the seat with seating shell interface back at an angle of **approx. 45°** and then lift it up and off.



### 8.3.3 Push bar

**⚠ CAUTION**

**Lifting by removable components**

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

► The product may be lifted only by firmly welded or permanently attached components. It is particularly dangerous to lift the product by the leg support, push handle/push bar, grabrail or arm supports.

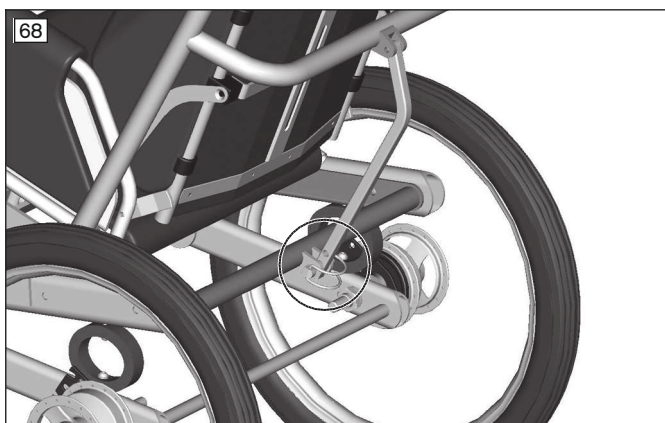
#### 8.3.3.1 Adjusting the push bar height

- 1) Loosen the clamping lever on both sides.
- 2) Adjust the push bar to the desired height.
- 3) Tighten the clamping lever (see fig. 67, item 1).



#### 8.3.3.2 Adjusting the push bar angle

- 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. 68)



### 8.3.4 Wheel lock

#### ⚠ CAUTION

#### 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

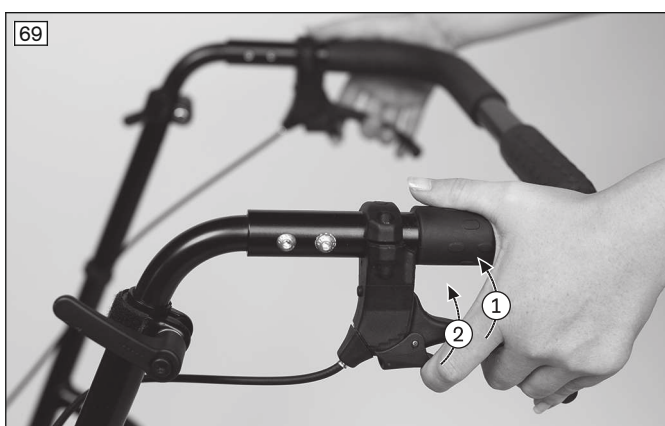
#### Incorrect wheel lock operation

Damage to the wheels, loss of braking function due to improper operation

- ▶ Do not engage the wheel lock while driving. The product must be at a standstill before applying the wheel lock.
- ▶ Do not engage the wheel lock with force.

#### 8.3.4.1 Engaging the wheel lock

- 1) Engage the drum brakes by pulling the brake levers (see fig. 69, item 1).
- 2) Lock the brakes by simultaneously moving the small lock levers down.
- 3) Pull the brake levers again to release the brakes (see fig. 69, item 1). Pull the small lock levers up while doing so (see fig. 69, item 2).

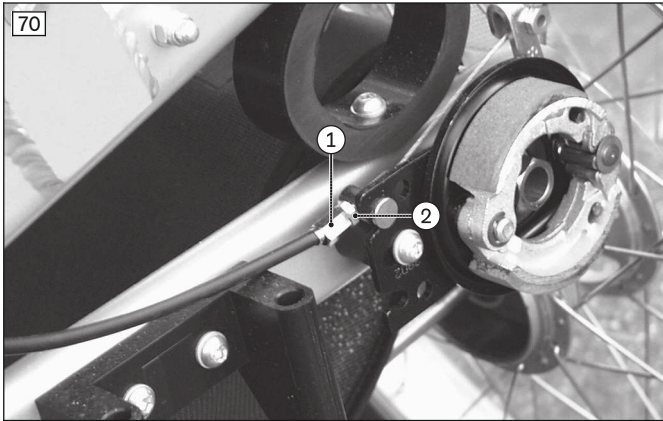


#### 8.3.4.2 Adjusting the wheel lock

To achieve an optimum braking effect, the braking force is adjusted using the adjustment screw (see fig. 31, item 2).

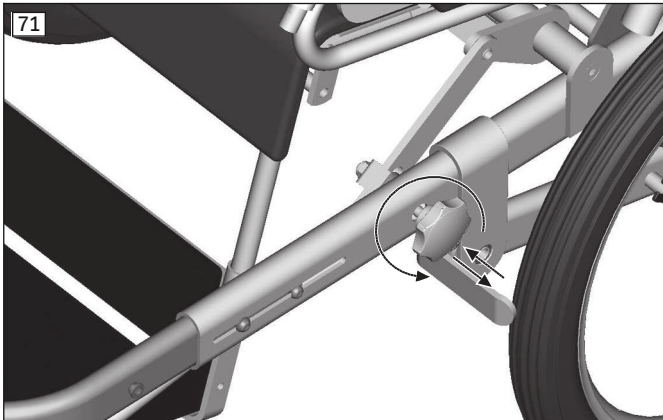
- **Increase the braking force:** Turn the adjustment screw anticlockwise.
  - **Reduce the braking force:** Turn the adjustment screw clockwise.
- 1) Loosen the counter nut (see fig. 70, item 1) and turn the adjustment screw anticlockwise until a scraping noise can be heard when the drive wheel is rotated.

- 2) Turn the adjustment screw (see fig. 70, item 2) clockwise until the scraping noise on the drive wheel stops and the wheel runs freely.
  - 3) Tighten the counter nut (see fig. 70, item 1) until the adjustment screw is fixed.
- The braking force of both drive wheels must be adjusted equally.



### 8.3.5 Adjusting the seat angle

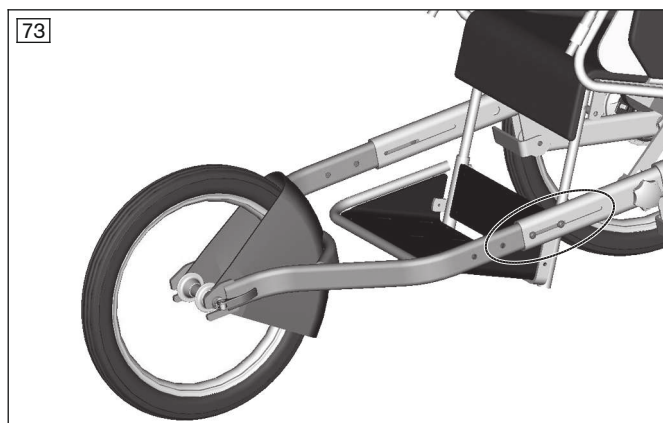
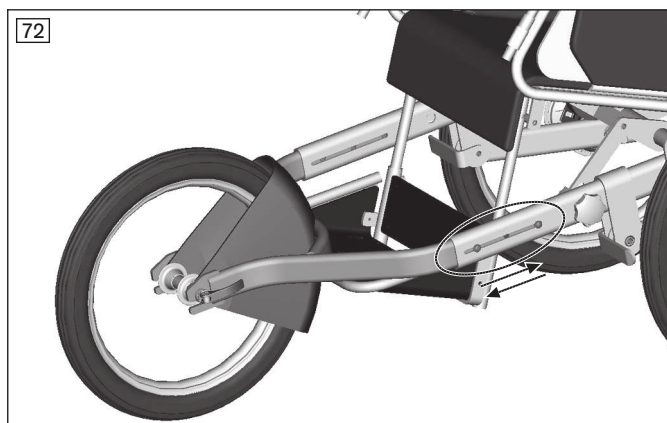
- 1) **With installed seat:** Hold the seat's back support for safety reasons (not illustrated).
- 2) Loosen the twist knob on the left side of the outdoor mobility base and open it to the stop (see fig. 71).
- 3) Push the spring-loaded twist knob in so the seat swings freely via the axle of the seat adapter.
- 4) Select the desired seat position.
- 5) Release the twist knob and move the seat back and forth slightly so it engages.
- 6) Tighten the twist knob (see fig. 71).



### 8.3.6 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. 72 and see fig. 73).
- 3) Reposition and tighten the two Allen screws of the oval tube front frame on both sides.





### 8.3.7 Use as a bicycle trailer

#### ⚠ CAUTION

#### 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.

#### 8.3.7.1 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. 74, item 4).
- 3) Insert the locking disk so that the joint piece is horizontal (see fig. 74, item 3 and item 2).

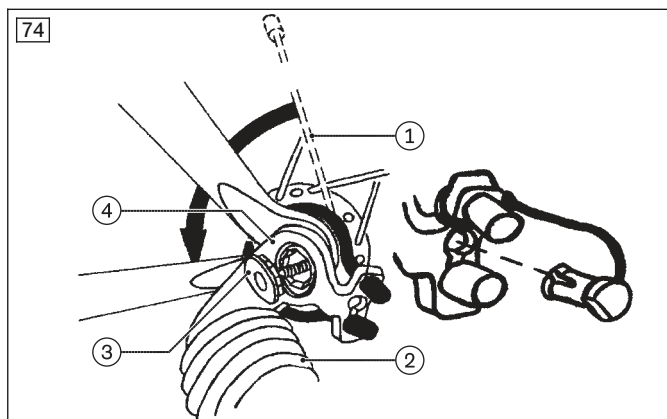
**INFORMATION: Make sure that the teeth of the locking disk properly engage with the basis.**

- 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. 74, 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.**

- 8) 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.**



### 8.3.7.2 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.

### 8.3.7.3 Equipment package

The equipment package is required for use in road traffic.

The equipment package includes:

- Roll bar
- Pennant
- Lighting (taillight red; rear reflector red)
- Reflectors, self-adhesive, white
- Spoke reflectors

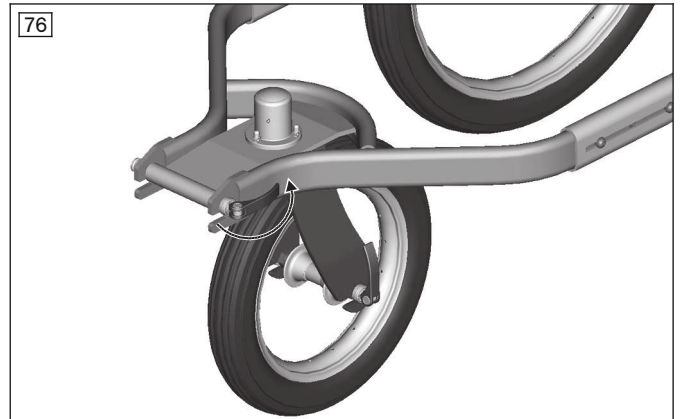
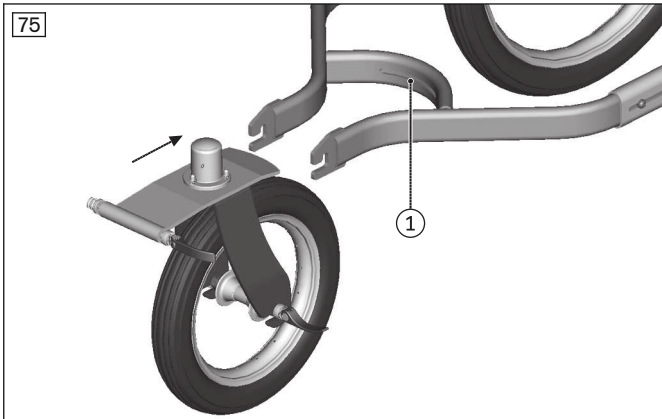
The components of the equipment package are installed at the factory and by qualified personnel.

### 8.3.8 Additional options

#### 8.3.8.1 Swivelling front wheel

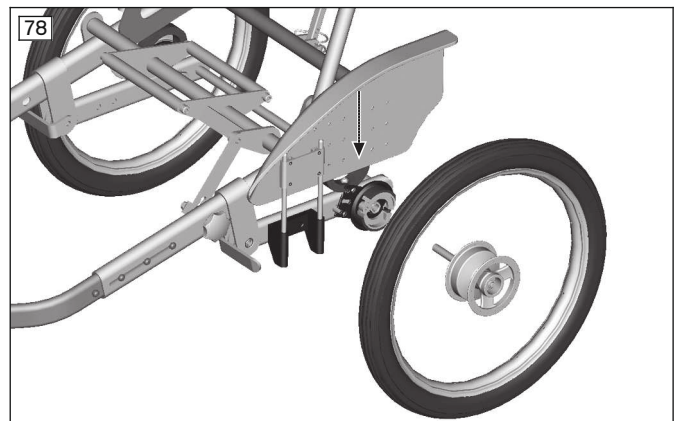
The swivelling front wheel reduces the rehab buggy's turning radius and makes it suitable for use in more confined spaces.

- 1) Remove the fixed front wheel with the splash guard (see page 16, installation of the front wheel).
- 2) Insert the swivelling front wheel into the fork and push it back and up (see fig. 75, item 1).
- 3) Close the eccentric lever on the clamp axle (see fig. 76).



#### 8.3.8.2 Splash guard for rear wheels/clothing protectors

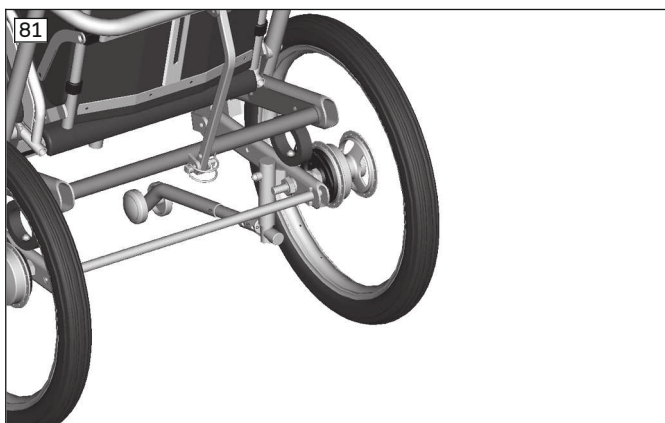
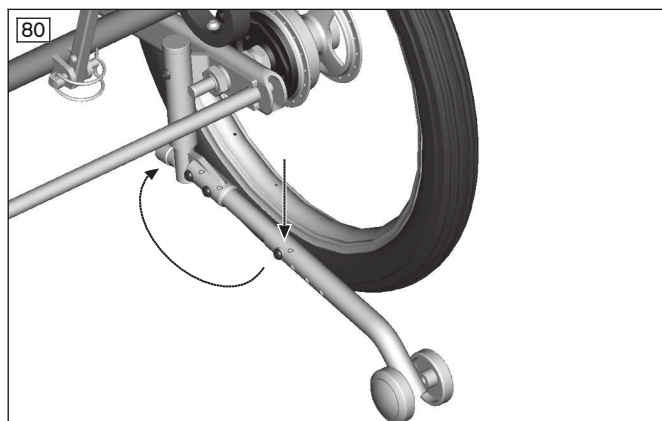
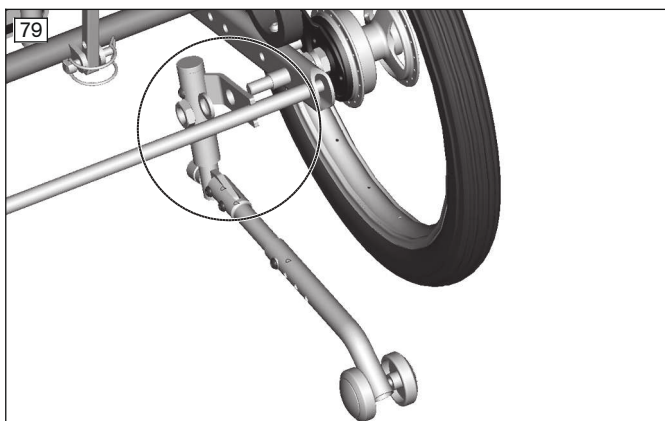
- 1) Press the central bolts of the quick-release axles and remove the rear wheels.
- 2) Insert the splash guard adapter and screw it in place (see fig. 77, item 1).
- 3) Insert the splash guard into the receiving holes (see fig. 78).
- 4) Insert and lock the rear wheels.



#### 8.3.8.3 Anti-tipper

The anti-tipper prevents the outdoor mobility base from tipping over backward.

- 1) Loosen the screw connection of the right rear axle and remove the nut with the lock washers.
- 2) Put on the anti-tipper so the fork of the anti-tipper encompasses the crossbrace (see fig. 79).
- 3) Slide the bore hole of the anti-tipper over the rear axle and reinstall the nut with the lock washers.
- 4) Tighten the nut. **Optional:** Swing the anti-tipper from the active to the passive position by pushing down and then rotating it (see fig. 80 and see fig. 81).



#### 8.3.8.4 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.

#### 8.3.8.5 Spoke protector

- ▶ Attach the spoke protector to the spokes with mounting elements.

#### 8.3.9 Disassembly and transport

##### ⚠ CAUTION

##### Exposed pinch points

Crushing, pinching due to incorrect handling

- ▶ Only grip the specified components when unfolding/folding.

##### NOTICE

##### Deformation when folded

Damage to the product, problems unfolding due to unallowable loads

- ▶ Never place heavy objects on the folded product.

**INFORMATION**

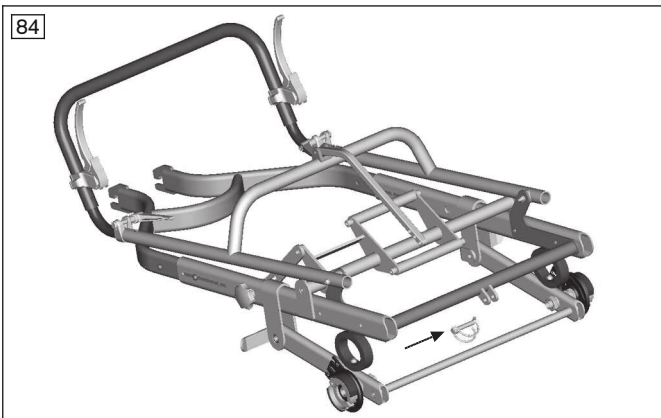
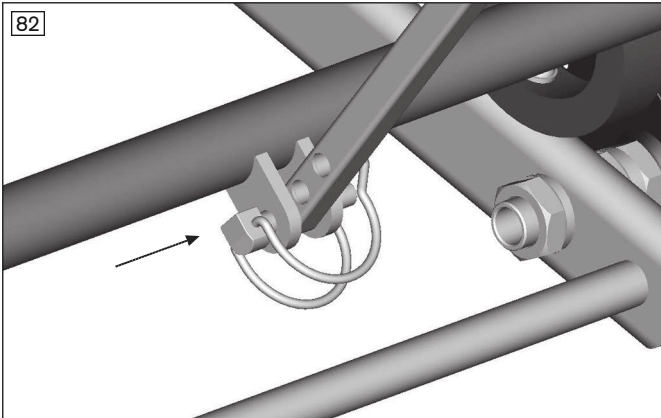
- ▶ When transporting the product in vehicles, fold it up and remove the wheels and seat, if necessary.
- ▶ Follow the IATA (International Air Transport Association) rules and those of the relevant airline when transporting the product in an aircraft. Inform the airline several days before your flight. Use the SSR (special service request) codes if needed to describe the type of limited mobility. You can for example research these on the Internet.
- ▶ Visit [www.iata.org](http://www.iata.org) for further information. The manufacturer recommends contacting the airline directly before every flight to obtain information regarding special transport regulations.

**INFORMATION**

The product can be equipped with the Kimba seating unit or a seating shell interface. Observe the information in the separate instructions for use for the seating unit in all cases.

**8.3.9.1 Folding the outdoor mobility base**

- 1) Pull the quick-release axles and the wheels out of the axle retainer together.
- 2) Remove the quick-release axles from the rear wheels.
- 3) Open the eccentric lever on the front wheel.
- 4) Remove the front wheel with the splash guard from the fork.
- 5) Release the folding clamp (see fig. 82).
- 6) Pull the locking pin out of the hole in the back brace and the receiver bore.
- 7) Pull the back brace out of the receiver and fold the push bar down (see fig. 83).
- 8) Insert the locking pin into the receiver bore on the outdoor mobility base (see fig. 84).
- 9) Insert the transport locks.



### 8.3.10 Use in vehicles for transporting persons with reduced mobility

**⚠ WARNING****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.
- ▶ In vehicles for transporting persons with reduced mobility, only use the seats installed in the vehicle with the corresponding personal restraint systems.
- ▶ Information on the current status of our measures is available from the qualified personnel.

The product Kimba Cross has not been approved by the manufacturer for use as a seat in a vehicle for transporting persons with reduced mobility.

## 8.4 Kimba Inline

### 8.4.1 Seating unit

#### ⚠ CAUTION

##### Use with a seating unit or seating shell interface

Serious injuries to the user due to faulty operation

- ▶ The product can be equipped with the Kimba seating unit or a seating shell interface. Observe the information in the separate instructions for use for the seating unit in all cases.

#### INFORMATION

For combinations with other or older Ottobock products, please consult the qualified personnel or the manufacturer's service department.

### 8.4.2 Seating shell interface

#### ⚠ CAUTION

##### Improperly installed seating shell

Falling of the user due to improper assembly and incorrect settings

- ▶ Note that the producer/distributor is responsible for the user's safety in case of using an individual seating shell. In particular, the stability against tipping and the ergonomically correct sitting position of the user must be verified. Ottobock assumes no liability in this regard.
- ▶ Note that the producer / distributor is also responsible for passing on information on adaptation, operation and care of the seating shell in case of using an individual seating shell. If you have questions, contact the qualified personnel that provided the individual seating shell.

#### INFORMATION

- ▶ The instructions for use for the seating shell interface describe how to mount it on the outdoor mobility base and the function and operation of the foot support assembly option in more detail.
- ▶ The 647H1654=\* instructions for use provide more details regarding operation when using the outdoor mobility base with a Kimba seating unit.

The Kimba seating shell interface serves as the basis for custom seating shell fittings (see fig. 85). It is available in various sizes and with the leg support option.

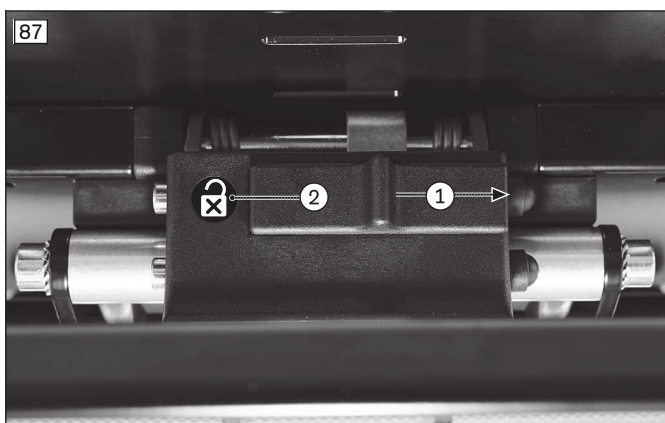
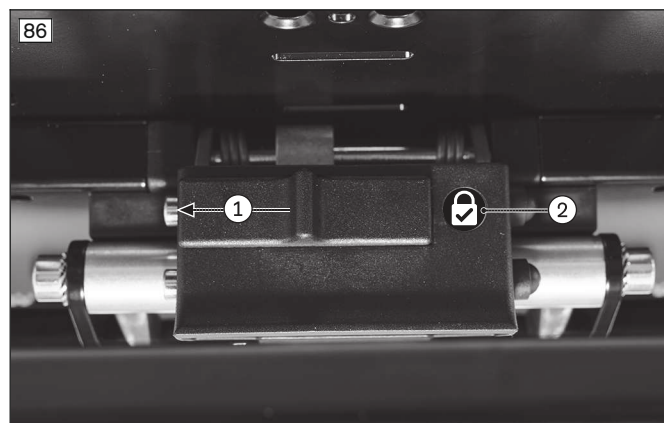
The seating shell interface is firmly screwed to a seating system by qualified personnel. A claw mechanism makes it easy to remove the seating unit/seating shell from the seat adapter on the outdoor mobility base. The seating shell interface has a seat lock for secure attachment.

#### Putting on the seating shell/seating unit

- 1) Start by placing the seat with seating shell interface onto the rear tube of the seat adapter at an angle of **approx. 45°** (see fig. 85, item 1).
- 2) Press the front edge of the seat onto the outdoor mobility base until you hear the retaining claw snap onto the front tube of the seat adapter (see fig. 85, item 2).
- 3) Slide the seat lock to the left to engage it (see fig. 86, item 1). The green symbol shows that the seating shell interface is locked (see fig. 86, item 2).
- 4) Check that the seat and the outdoor mobility base are securely connected. You can do this, for example, by pulling back the back support of the seat.

#### Removing the seating shell/seating unit

- 1) To open the seat lock, slide it to the right (see fig. 87, item 1). The red symbol indicates that the seat lock is open (see fig. 87, item 2).
- 2) Pull the handle of the release lever located under the seat up (see fig. 85, item 2). The retaining claw will now release the seat adapter.
- 3) Tip the seat with seating shell interface back at an angle of **approx. 45°** and then lift it up and off.



### 8.4.3 Adjusting the seat tilt

#### ⚠ CAUTION

##### Changed centre of gravity after operating the seat tilt

Tipping over, falling out of the user due to adjustment error

- ▶ Check the tip resistance each time after changing the seat tilt, especially in combination with a back support angle setting. Secure the outdoor mobility base against tipping due to the shift in the centre of gravity.
- ▶ Avoid any extreme settings.
- ▶ Do not suspend loads on the push handles since this would additionally change the centre of gravity.

#### ⚠ CAUTION

##### Incorrect handling of the seat tilt

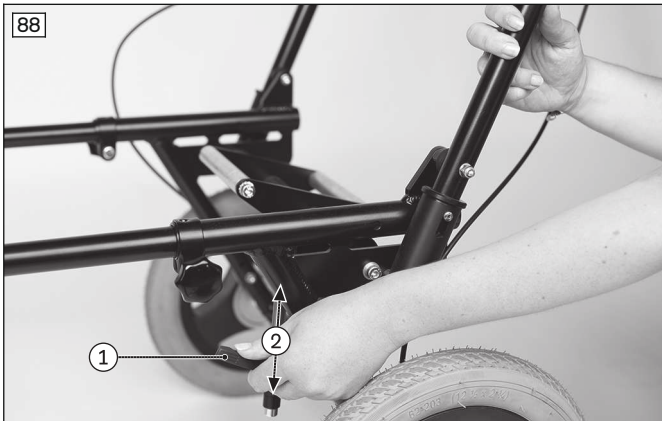
Tipping over, falling out of the seating shell/seating system due to user error

- ▶ First practise operating the seat tilt without the user.
- ▶ Operate the seat tilt only on a firm, level surface and with the wheel lock engaged.
- ▶ Before negotiating slopes or obstacles, always have the seat in the neutral, upright position. When driving downhill, the seat should be tilted slightly backwards.
- ▶ Drive only on slopes where the holding forces remain manageable.
- ▶ When operating the seat tilt, always secure the user against falling out of the seating unit either forwards or backwards. Do this by holding onto the back support of the respective seat with one hand.
- ▶ Do not reach into the adjustment mechanism when operating the seat tilt.

The seat angle of seats mounted on the outdoor mobility base is adjusted directly on the outdoor mobility base. After actuating the seat tilt lever, the seat angle can be adjusted in the range of **-30° to +40°**.

- 1) **With installed seat:** Hold the seat's back support for safety reasons (not illustrated).
- 2) Release the clamping lever (see fig. 88, item 1).
- 3) Now the angle of the seat adapter on the outdoor mobility base can be changed by pushing on the seat adapter (see fig. 88, item 2). **With installed seat:** Hold the back support and set the seat angle to the desired position (not illustrated).
- 4) Tighten the clamping lever.

- 5) **With installed seat:** Push the back support forward/back slightly to ensure that the seat angle is securely set and cannot slip. If this is not the case, the clamping lever has to be tightened more firmly.



#### 8.4.4 Push bar

##### **CAUTION**

##### **Lifting by removable components**

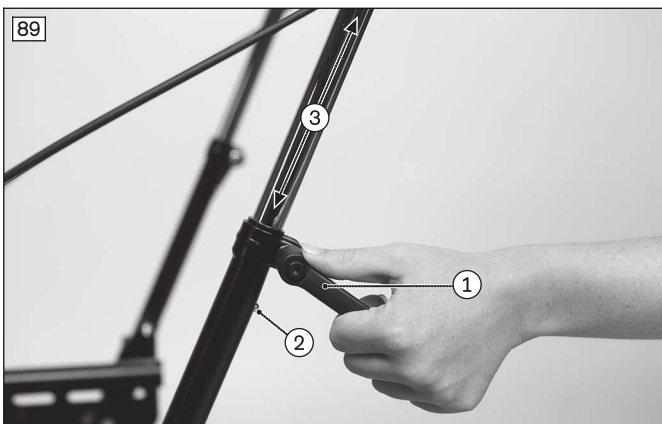
Tipping over, falling of the user due to lifting by removable components

- ▶ The product may be lifted only by firmly welded or permanently attached components. It is particularly dangerous to lift the product by the leg support, push handle/push bar, grabrail or arm supports.

##### 8.4.4.1 Adjusting the push bar

The height of the push bar can be adjusted:

- 1) Loosen the clamping lever on both sides (see fig. 89, item 1).
- 2) Push in the two press buttons on both sides simultaneously (see fig. 89, item 2).
- 3) Move the push bar to the desired position (see fig. 89, item 3).
- 4) Tighten the clamping lever (see fig. 89, item 1).



#### 8.4.5 Wheel lock

##### **CAUTION**

##### **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 wheel lock operation**

Damage to the wheels, loss of braking function due to improper operation

- ▶ Do not engage the wheel lock while driving. The product must be at a standstill before applying the wheel lock.
- ▶ Do not engage the wheel lock with force.

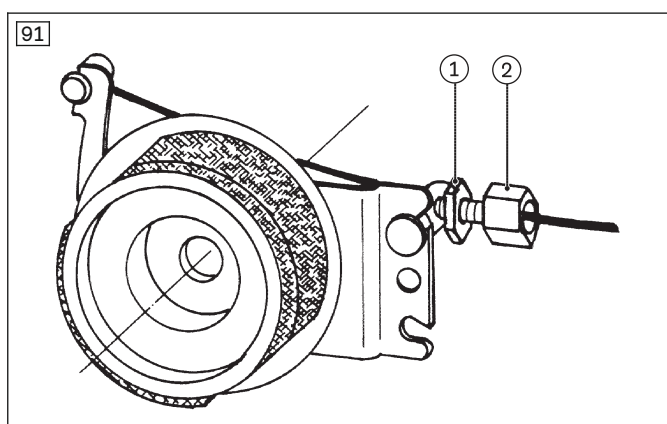
**8.4.5.1 Engaging the wheel lock**

- 1) Engage the drum brakes by pulling the brake levers (see fig. 90, item 1).
- 2) Lock the brakes by simultaneously moving the small lock levers down.
- 3) Pull the brake levers again to release the brakes (see fig. 90, item 1). Pull the small lock levers up while doing so (see fig. 90, item 2).

**8.4.5.2 Adjusting the wheel lock**

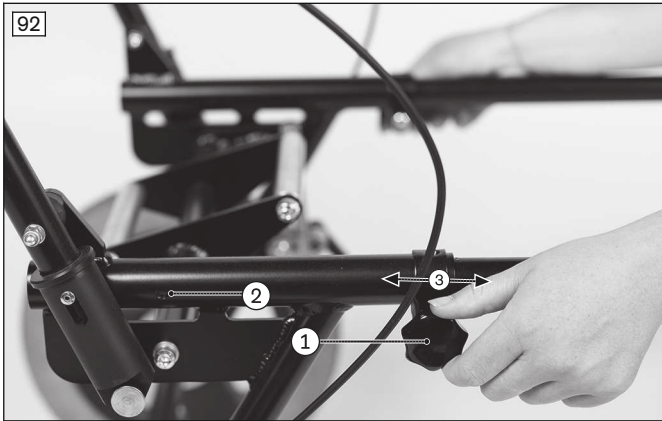
To achieve an optimum braking effect, the braking force is adjusted using the adjustment screw (see fig. 91, item 2).

- **Increase the braking force:** Turn the adjustment screw anticlockwise.
  - **Reduce the braking force:** Turn the adjustment screw clockwise.
- 1) Loosen the counter nut (see fig. 91, item 1) and turn the adjustment screw anticlockwise until a scraping noise can be heard when the drive wheel is rotated.
  - 2) Turn the adjustment screw (see fig. 91, item 2) clockwise until the scraping noise on the drive wheel stops and the wheel runs freely.
  - 3) Tighten the counter nut (see fig. 91, item 1) until the adjustment screw is fixed.
- The braking force of both drive wheels must be adjusted equally.

**8.4.6 Adjusting the wheelbase**

- 1) Loosen the clamping knobs on both sides (see fig. 92, item 1).
- 2) **If necessary:** Push in the two press buttons on both sides simultaneously (see fig. 92, item 2).
- 3) Increase or decrease the wheelbase (see fig. 92, item 3).

4) Tighten the clamping knobs (see fig. 92, item 1).



### 8.4.7 Disassembly and transport

**CAUTION**

**Exposed pinch points**

Crushing, pinching due to incorrect handling

- ▶ Only grip the specified components when unfolding/folding.

**NOTICE**

**Deformation when folded**

Damage to the product, problems unfolding due to unallowable loads

- ▶ Never place heavy objects on the folded product.

**INFORMATION**

- ▶ When transporting the product in vehicles, fold it up and remove the wheels and seat, if necessary.
- ▶ Follow the IATA (International Air Transport Association) rules and those of the relevant airline when transporting the product in an aircraft. Inform the airline several days before your flight. Use the SSR (special service request) codes if needed to describe the type of limited mobility. You can for example research these on the Internet.
- ▶ Visit [www.iata.org](http://www.iata.org) for further information. The manufacturer recommends contacting the airline directly before every flight to obtain information regarding special transport regulations.

**INFORMATION**

The product can be equipped with the Kimba seating unit or a seating shell interface. Observe the information in the separate instructions for use for the seating unit in all cases.

- 1) Pull up the lock slides on both sides and fold the push bar forward (see fig. 93, item 1).
- 2) Lay the push bar onto the frame (see fig. 94; see fig. 95).





#### 8.4.8 Use in vehicles for transporting persons with reduced mobility

##### **⚠ WARNING**

##### **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.
- ▶ In vehicles for transporting persons with reduced mobility, only use the seats installed in the vehicle with the corresponding personal restraint systems.
- ▶ Information on the current status of our measures is available from the qualified personnel.

The product Kimba Inline has not been approved by the manufacturer for use as a seat in a vehicle for transporting persons with reduced mobility.

## 8.5 Care

### ⚠ CAUTION

#### Lack of or improper cleaning

Health hazard due to infections, damage to the product due to user error

- ▶ Clean the product at regular intervals.
- ▶ Check the driving behaviour of the product after cleaning it.

#### 8.5.1 Detaching/attaching the frame padding for cleaning (Kimba outdoor mobility base only)

The frame padding option can be removed for care and maintenance of the product (see fig. 38).

- 1) Open the hook-and-loop closure on the frame padding.
- 2) Remove the frame padding and clean it.
- 3) Pass the frame padding around the push bar and fasten the hook-and-loop strap.
- 4) Turn the hook-and-loop closure down and slide the frame padding over the folding mechanism to the release handles (see fig. 38).

#### 8.5.2 Cleaning

Clean the product regularly depending on the degree of soiling and frequency of use, **at least 1x per month**:

##### 8.5.2.1 Cleaning by hand

- Dirty springs should be cleaned with a soft, dry brush to prevent wear.
- Clean plastic parts, frame parts and the chassis and wheels with a mild cleaner and a damp cloth. Dry thoroughly afterwards.
- Do not use any aggressive cleaners, solvents or hard brushes etc.
- Do not clean the product with a pressure washer or a jet of water. The penetration of water can cause corrosion.

##### 8.5.2.2 Cleaning in a washing chamber

- 1) Wash the outdoor mobility base at a maximum temperature of **60 °C** for no longer than **10 minutes**.
- 2) **If necessary:** Remove all components in which water has accumulated.
- 3) Allow the outdoor mobility base to dry. Lay the outdoor mobility base onto both rear wheels so the water can drain.

**INFORMATION: We recommend drying with compressed air.**

- 4) **If necessary:** Reinstall all components that were removed.
- 5) Before reusing or storing the outdoor mobility base, check that it is dry. Wipe wet components with a cloth.
- 6) Ensure that all labels (nameplate and warnings) are still legible. Have any labels that are not legible replaced.

#### Important information on cleaning

- Do not use any aggressive cleaners, solvents or hard brushes etc.

#### 8.5.3 Disinfection

- Thoroughly clean the product before disinfecting.
- Wipe all parts of the product with a disinfectant.
- Only use colourless water-based disinfectants. Follow the instructions for use provided by the disinfectant manufacturer.

## 9 Maintenance and repair

### 9.1 Maintenance

### ⚠ WARNING

#### Insufficient maintenance

Severe user injuries, damage to the product due to failure to observe maintenance intervals

- ▶ Only carry out the maintenance tasks described in this section. All other maintenance and service tasks may only be carried out by qualified personnel.
- ▶ The functionality and operating safety of the product must be verified and a service performed at least **once per year**.
- ▶ For users with a changing anatomy (for example body dimensions, weight) or users with a changing clinical picture, have the product inspected, adjusted and serviced at least **once every six months**.

- The function of the product should be checked **before each use**.
- The product may not be used if defects are noted. This applies in particular in case of instability of the product or altered driving characteristics as well as problems with the user's seating position or the stability of the seat. Inform the qualified personnel promptly for the rectification of defects.
- This also applies if loose, worn, bent or damaged components, cracks in the frame or broken frame components are identified.
- Some maintenance tasks can be carried out to a certain extent by the user at home (see the sections "Maintenance intervals" and "Maintenance tasks").
- Failure to maintain the product can lead to injuries for the user of the product.

### 9.1.1 Maintenance intervals

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

Component	Activity	Before each use	Weekly	Monthly
Folding mechanism	Check for wear			X
Rear wheels	Check that the quick-release axles (if any) are securely fitted	X		
	Check for concentricity of the wheels			X
Brake	Verify the braking function	X		
Tyres	Check the tread depth (min. 1 mm)			X
Wheels	Check that fit is free of play	X		
	Check for concentricity of the wheels			X
Adapters for options	Check adapters for damage			X
Bearings	Check for dirt			X
Suspension	Check for dirt/wear/instability			X
Product	Check the legibility of all labels on the product			X

### 9.1.2 Maintenance tasks

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

- Particles of dirt and hair accumulate on the caster wheel axle and threaded axle of the caster fork over time. This makes the steering stiffer. Regularly remove dirt and oil the axles.
- 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 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 on a regular basis (Kimba outdoor mobility base 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 qualified personnel promptly.

## 9.2 Repair

### WARNING

#### Prohibited repairs

Severe user injuries, damage to the product due to adjustment and installation errors

- ▶ All repairs may only be carried out by qualified personnel.

## 10 Disposal

### 10.1 Disposal information

Return the product to the qualified personnel for disposal.

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

## 10.2 Information on re-use

**⚠ CAUTION**

### **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 performance must not change in a way that could impair the safety of users or third parties during the period of use.

The relevant product must be thoroughly cleaned and disinfected before re-use. Then have the product inspected by qualified personnel with respect to its condition, wear and tear, and damage. Worn and damaged parts as well as components that do not fit or are unsuitable for the user must be replaced.

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

## 11 Legal information

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

### 11.1 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 disregarding the information in this document, particularly due to improper use or unauthorised modification of the product.

### 11.2 Warranty

Further information on the warranty terms and conditions is available from the qualified personnel that adapted this product or the manufacturer's service department.

### 11.3 Lifetime

Expected lifetime: **4 years**

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

## 12 Technical data

### 12.1 Kimba

Outdoor mobility base	Size 1	Size 2
Overall width [mm]	595	665
Overall length [mm]	1110	1110
Push bar height (min./max.) [mm]	710/1160	710/1160
Seat tilt (seat adapter angle (min./max.)) [°]	-40/+10 or -10/+40	-40/+10 or -10/+40
Max. load [kg]	55 <sup>1)</sup>	55 <sup>1)</sup>
Max. load, storage basket [kg]	15 <sup>1)</sup>	15 <sup>1)</sup>
Weight of mobility base [kg]	10.5	11.5
Folding size without seat (L x W x H) [mm]	790x595x460	790x665x460
Min. folding size with seat facing in direction of travel; seat tilted 10° forward, back support angle of 100° (L x W x H) [mm]	900 x 595 x 530 <sup>2)</sup>	970 x 665 x 590 <sup>2)</sup>
Min. turning radius [mm]	662	720
Steering range [mm]	1110	1110
Max. permissible inclination while driving [°] / [%]	9 / 15.8	9 / 15.8
Max. permissible inclination with wheel lock engaged [°] / [%]	7 / 12.3	7 / 12.3
"Swivelling" front wheel size ["] <sup>3)</sup>	7 (standard: EVA tyres, option: pneumatic tyres)	
Rear wheel size ["] <sup>3)</sup>	11 (standard: EVA tyres, option: pneumatic tyres)	
Air pressure [bar / kPa / PSI]	3.5 / 350 / 50	

<sup>1)</sup> **Please note:** The load capacity may differ between the outdoor mobility base and the seating unit. For the combination of the Kimba outdoor mobility base and Kimba seating unit:

- **Maximum user weight of the seating unit (40 kg) plus the weight of the seating unit itself** (e.g. 7.5 kg for size 1) = 47.5 kg.
- **Maximum load for the outdoor mobility base (55 kg) minus the maximum user weight for the seating unit and the weight of the seating unit itself (47.5 kg) = 7.5 kg**, which remains available for additional accessories and the weight in the storage basket.
- If the load in the seat is less, the storage basket can be loaded with up to **15 kg**. Always comply with the maximum total load.

<sup>2)</sup> The concrete folding size for the combination of the Kimba outdoor mobility base and Kimba seating unit depends on the installed back support insert type and the back support height setting as well as the leg support angle setting.

<sup>3)</sup> Front wheels: Ø 170 x 40 mm; rear wheels: Ø 280 x 60 mm

Kimba seating shell interfaces	
Length [mm]	200
Width [mm]	375
Weight [kg]	1.3

### Ambient conditions

Temperatures and relative humidity	
Temperature during use [°C (°F)]	-10 to +40 (14 to 104)
Transport and storage temperature [°C (°F)]	-10 to +40 (14 to 104)
Relative humidity [%]	10 to 85; non-condensing

### 12.2 Kimba Cross

Outdoor mobility base	
Overall width (without wheels) [mm]	610
Overall width (with wheels) [mm]	705
Overall length (with "swivelling" front wheels) [mm]	1460 <sup>1)</sup>
Overall length (with "fixed" front wheels) [mm]	1700 <sup>1)</sup>

<b>Outdoor mobility base</b>	
Push bar height (min./max.) [mm]	940/1195
Seat tilt (seat adapter angle (min./max.)) [°]	-2/+30
Max. load [kg]	50 <sup>2)</sup>
Max. load, storage basket [kg]	7
Weight of mobility base [kg]	15.8
Folding size without seat, without wheels (LxWxH) [mm]	1000x610x320
Folding size without seat, with wheels (L x W x H) [mm]	1270 x 700 x 480 <sup>1)</sup>
Min. turning radius (with "swivelling" front wheels) [mm]	855
Min. turning radius (with "fixed" front wheels) [mm]	1095
Steering range (with "swivelling" front wheels) [mm]	1460
Steering range (with "fixed" front wheels) [mm]	1700
Max. permissible inclination while driving [°] / [%]	15 / 27
Max. permissible inclination with wheel lock engaged [°] / [%]	15 / 27
"Swivelling" front wheel size ["]	12 (pneumatic tyres)
"Fixed" front wheel size ["]	16 (pneumatic tyres)
Rear wheel size ["]	18 (pneumatic tyres)
Air pressure [bar / kPa / PSI]	3.5 / 350 / 50

<sup>1)</sup> Observe the information for use in escape routes: see page 57

<sup>2)</sup> **Please note:** The load capacity may differ between the outdoor mobility base and the seating unit. For the combination of the Kimba Cross outdoor mobility base and the Kimba seating unit:

- Permitted load for the seating unit (max. 40 kg) + own weight of the seating unit, size 1 (7.5 kg) = 47.5 kg.
- Permitted load for the outdoor mobility base (max. 50 kg) – fully loaded seating unit/own weight (47.5 kg) = 2.5 kg for other accessories + weight in the storage basket.

<b>Kimba seating shell interfaces</b>	
Length [mm]	200
Width [mm]	375
Weight [kg]	1.3

### Ambient conditions

<b>Temperatures and relative humidity</b>	
Temperature during use [°C (°F)]	-10 to +40 (14 to 104)
Transport and storage temperature [°C (°F)]	-10 to +40 (14 to 104)
Relative humidity [%]	10 to 85; non-condensing

### 12.3 Kimba Inline

<b>Outdoor mobility base</b>	
Overall width [mm]	640
Overall length (including leg supports) [mm]	1510 <sup>1)</sup>
Push bar height (min./max.) [mm]	930/1030
Seat tilt (seat adapter angle (min./max.)) [°]	-30/+40
Max. load [kg]	50 <sup>2)</sup>
Weight of mobility base [kg]	10.6
Folding size without seat (L x W x H) [mm]	900 x 640 x 480 <sup>3)</sup>
Min. turning radius (including leg supports) [mm]	1215
Steering range (including leg supports) [mm]	1510
Max. permissible inclination while driving [°] / [%]	15 / 27
Max. permissible inclination with wheel lock engaged [°] / [%]	15 / 27
Front wheel size ["]	8 (pneumatic tyres)



<b>Outdoor mobility base</b>	
Rear wheel size ["]	12 (pneumatic tyres)
Air pressure [bar / kPa / PSI]	3.5 / 350 / 50

1) Observe the information for use in escape routes: see page 57

2) **Please note:** The load capacity may differ between the outdoor mobility base and the seating unit. For the combination of the Kimba Inline outdoor mobility base and Kimba seating unit:

- Permitted load for the seating unit (max. 40 kg) + own weight of the seating unit, size 1 (7.5 kg) = 47.5 kg.
- Permitted load for the outdoor mobility base (max. 50 kg) – own weight of two seating units (2 x 7.5 kg) = 35 kg for the user weight of two children.

3) Folding size of the outdoor mobility base with fixed front wheels: 970x600x530 mm

<b>Kimba seating shell interfaces</b>	
Length [mm]	200
Width [mm]	375
Weight [kg]	1.3

### Ambient conditions

<b>Temperatures and relative humidity</b>	
Temperature during use [°C (°F)]	-10 to +40 (14 to 104)
Transport and storage temperature [°C (°F)]	-10 to +40 (14 to 104)
Relative humidity [%]	10 to 85; non-condensing

## 13 Appendices

### 13.1 Threshold values for rehab buggies transportable by train

#### INFORMATION

- ▶ The products in this series fully satisfy the minimum technical requirements of regulation (EU) No. 1300/2014 regarding train accessibility for people with disabilities. However, not all versions can comply with all threshold values due to different settings.
- ▶ With the help of the table that follows, you or the qualified personnel can take measurements and verify whether the specific product in question meets the threshold values.

<b>Feature</b>	<b>Threshold value (according to Regulation (EU) No. 1300/2014)</b>
Length [mm]	1200 (plus 50 mm for the feet)
Width [mm]	700 (plus 50 mm on each side for the hands when moving)
Smallest wheels ["]	approx. 3 or greater (according to the regulation, the smallest wheel must be able to overcome a gap measuring 75 mm horizontally and 50 mm vertically)
Height [mm]	max. 1375; including a 1.84 m large male user (95th percentile)
Turning radius [mm]	1500
Maximum weight [kg]	200 (product with user, including luggage)
Maximum obstacle height that can be overcome [mm]	50
Ground clearance [mm]	60 (at an upward slope angle of 10°, ground clearance must measure at least 60 mm under the footrest for going forward at the end of the slope)
Maximum inclination angle on which the product will remain stable [°]	6 (dynamic stability in all directions) 9 (static stability in all directions, also when wheel lock engaged)



Lined writing area consisting of horizontal lines.



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