# ottobock.



# Kimba Neo

EN Instructions for use (user)
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# **1** Foreword

# INFORMATION

Last update: 2017-01-25

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

# INFORMATION

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

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

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

#### Please note the following in particular:

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

# **2 Product description**

# 2.1 Function

This seating unit for a rehab buggy is intended solely for transporting children with walking disabilities or who are unable to walk.

This seating unit for a rehab buggy has only been approved for transporting one child aged approx. 1 to 10 years (depending on the size and weight of the child). It is operated by an attendant (conveyance by another person).

This seating unit for a rehab buggy can be used indoors and outdoors. It is fully adjustable to provide an optimised, individual fitting.

# 2.2 Product Overview



#### Kimba Neo seating unit

1	1 Angle adjustable backrest		
2 Removable seat with lateral supports			
3	Adjustable footrest		
4 Back angle adjustment			
5	Seat angle adjustment		

# 3 Safety

# 3.1 Explanation of warning symbols

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

# 3.2 Safety Instructions for Use

#### INFORMATION

The seating unit is intended for use with the Kimba Neo outdoor mobility base. Observe safety information in the 647G891 Instructions for Use.

#### Hazards during preparation for use

# 

#### Independent modification of settings

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

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

#### 

#### Improper handling of packaging materials

Risk of suffocation due to neglect of the duty to supervise

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

#### Hazard in case of broken skin

#### 

#### Prolonged contact with broken skin

Reddening of the skin or pressure points due to contamination with germs or incorrectly adapted seat cushion

- Check before using the product that the skin is not broken in areas subject to prolonged pressure (e.g., buttocks, back and rear side of the thighs).
- ▶ In case of problems, please contact the qualified personnel who adjusted the product.
- ▶ No liability is assumed for injuries caused by the use of the product with broken skin.

#### **Medical risks**

#### 

#### Medical risks

Injuries, pressure sores due to application errors

Regular measures for pressure redistribution and skin examinations are required. Should skin irritation and/or skin reddening occur, consult the qualified personnel who adapted and adjusted the product. Do not continue using the product without consultation.

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

# 

#### Seat cushion and back padding may ignite

Burns due to user error

- The seat and backrest upholstery as well as padding fulfil the requirements for flame resistance according to the norms ISO 8191-2 or DIN EN 1021-2. However, they may still ignite if fire is handled improperly or negligently.
- Keep away from all ignition sources, especially lit cigarettes.

#### 

#### Extreme temperatures

Hypothermia or burns through contact with components, failure of components

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

### NOTICE

#### Use under incorrect environmental conditions

Damage to the product

- ► Do not use the product in salt water.
- Avoid damage to the product due to sand or other particles of dirt.

#### Hazards due to improper use of the product

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#### Exceeding the service life

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

- Using the product beyond the specified expected service life (see Page 47) leads to increased residual risk and should only take place subject to the due diligence and deliberations of qualified personnel.
- If the service life is reached, the user or a responsible attendant should contact the qualified personnel who fitted the product or the manufacturer's servicing department (see inside rear cover or back page for address). Here the user can obtain information about known risks and the current options for refurbishing the product.

#### 3.2.1 Further information

#### INFORMATION

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

# 3.3 Nameplate and warning labels

#### 3.3.1 Nameplate

Label		Meaning
Dottobock.Gil ( (A	Α	Type designation
Akimba Neo Sitzeinheit	В	Manufacturer's article number
B470G71=20000 K CZuladung max.XX KG/XXX LB	С	Maximum load capacity (see section "Technical data")
Otto Bock Mobility Solutions GmbH Lindenstr. 13 – 07426 Königsee – Rottenbach/Germany Made in Germany – www.ottobock.com	D	Manufacturer information/address/country of origin
SN SN Contraction	E	Serial number*
	F	European Article Number / Global Trade Item Number
	G	Read the instructions for use before using the product.
The nameplate "Seating unit" is located o the backrest of the seat.		CE marking – product safety in accordance with EU directives

\* JJJJ = year of manufacture; WW = week of manufacture; KK = production site; XXXX = sequential production number

# **4 Delivery**

#### 4.1 Scope of delivery

The scope of delivery includes:

- Kimba Neo seating unit
- Options according to the order
- Adjustable footrest
- Instructions for use (user)

#### 4.2 Storage

The seating unit must be stored in a dry place. An ambient temperature between **-10° C** and **+40° C** must be maintained. Direct exposure to sunlight or UV radiation causes the product to age more quickly. This causes the material surface to harden.

# **5 Preparation for use**

# 5.1 Assembly

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#### Exposed pinch points

- Crushing, pinching due to incorrect handling
- ▶ When folding out the backrest, only grip by the specified components.

# 

### Improper assembly

- Tipping, falling over of the user due to components coming off
- ▶ When attaching the seating unit, make sure you hear it engage into the mobility base.
- Secure the seating unit using the seat lock.

# NOTICE

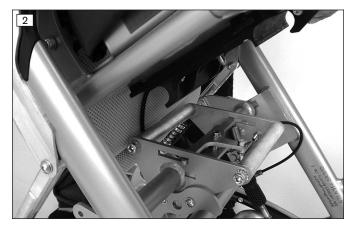
#### Incorrect removal, mounting or adjustment of the seat

Damage to the seat cover due to improper handling

- Make sure that the lateral seat guides do not bump against the mobility base when removing, mounting or adjusting the seat.
- ► For this reason, fold the lateral guides inwards so they do not come into contact with the mobility base when removing, mounting or adjusting the seat.

# Mounting the seat

- 1) Place the seat on the rear tube of the seat adapter at an angle of approximately 45° (see fig. 2).
- 2) Press the front edge of the seat onto the mobility base until the retaining claw audibly snaps on to the front tube of the seat adapter (see fig. 3).
- 3) Slide the seat lock to the left to engage it. The green symbol shows that the seat is locked (see fig. 4).
- 4) Check that the seat and the mobility base are securely connected. You can do this, for example, by pulling back the backrest.







# 6 Use

# 6.1 Information on use

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# Independent modification of settings

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

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

#### 

#### 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.
- ▶ Do not exceed the maximum load capacity (see the section "Technical Data").

# **A** CAUTION

#### Uncontrolled driving behaviour, unexpected sounds

- Falling, tipping, collision with people 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 (driving) 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.
- Please contact your authorised dealer.

# 

#### Failure to check for proper functioning

Falling, tipping over of the user due to lack of maintenance

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

#### INFORMATION

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

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

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

4

# 6.2 Basic functions of the Kimba Neo seating unit

#### INFORMATION

Adjusting the seat and back angle is not possible in combination with the Kimba Cross and Kimba Inline mobility bases.

#### 6.2.1 Removing and mounting the seating unit

#### 

#### Incorrect mounting of the seating unit

Falling out of the user if the seating unit is not secured

- Secure the seating unit using the seat lock.
- ▶ When attaching the seating unit, make sure you hear it engage into the mobility base.

#### NOTICE

#### Incorrect removal, mounting or adjustment of the seat

Damage to the seat cover due to improper handling

- Make sure that the lateral seat guides do not bump against the mobility base when removing, mounting or adjusting the seat.
- ► For this reason, fold the lateral guides inwards so they do not come into contact with the mobility base when removing, mounting or adjusting the seat.

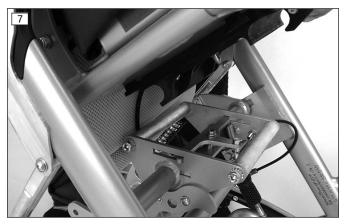
To facilitate transportation of the rehab buggy in a passenger vehicle or to divide the weight into two units for lifting, the seating unit can be easily detached from and reattached to the outdoor mobility base.

#### Detaching the seating unit

- 1) To open the seat lock, slide it to the right so the red symbol is visible (see fig. 5).
- 2) Stand next to the seating unit and hold the seat by the top of the backrest with one hand.
- 3) Pull the release lever located under the seat up to the edge of the seat (see fig. 6).
- $\rightarrow$  The retaining claw will now release the seat adapter.
- 4) Tip the seat back at an angle of approx. 45° and then lift it up (see fig. 2).







#### Mounting the seating unit

See the section "Assembly: mounting the seating unit".

#### Rotating and mounting the seating unit

If the seat is rotated before mounting, the tilt-limiting mechanism then has to be adjusted for safety reasons. See the section "Assembly: mounting the seating unit" and the two sections that follow.

### 6.2.2 Rotating the seating unit

#### 

#### Non-activated tilt-limiting mechanism

Falling out of the user due to user error

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

The seating unit can be mounted onto the mobility base in two directions (facing forward or backward) (see fig. 8, see fig. 9).

To remount the seating unit after rotating it 180°, the tilt limit must be adjusted (see the following section).





# 6.2.3 Adjusting the tilt-limiting mechanism after rotating the seat

Adjusting the tilt-limiting mechanism after rotating the seat is described in the mobility base instructions for use.

#### 6.2.4 Adjusting the seat angle

#### 

#### Incorrect use of the seat tilt feature

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

- Practise the operation of the seat angle adjustment mechanism without the seated user at first.
- Only operate the seat angle adjustment mechanism on a level, firm surface.
- Only negotiate slopes and obstacles in the horizontal neutral position of the seat. Tilting the seat angle back slightly when driving downhill is recommended.
- Only negotiate slopes where the holding forces remain manageable.
- When adjusting the seat tilt feature, secure the user from falling out to the front or rear. In order to do so, firmly hold on to the push handle/push bar while operating the seat angle adjustment mechanism.
- Do not reach into the adjustment mechanism when changing the seat tilt settings.

#### NOTICE

#### Incorrect removal, mounting or adjustment of the seat

Damage to the seat cover due to improper handling

- Make sure that the lateral seat guides do not bump against the mobility base when removing, mounting or adjusting the seat.
- ► For this reason, fold the lateral guides inwards so they do not come into contact with the mobility base when removing, mounting or adjusting the seat.

Depending on the version of the seating unit and outdoor mobility base, the seat angle is adjusted using

- a knob on the seating unit (see fig. 10) or
- a knob on the outdoor mobility base (see fig. 11).

The seat can be adjusted as needed within a range of -10° to +40°:

- Turn the knob clockwise to release the adjustment mechanism (see fig. 10/see fig. 11).
   NOTICE! Damage to the seat adjustment. Turn the knob with normal manual force to the stop, until you feel a clear resistance. Excessive turning of the knob will damage the adjustment mechanism.
- 2) Set the seat angle to the desired position (see fig. 12).
- CAUTION! With one hand, secure the occupant against falling out (e.g. by holding the upper body).
- 3) Release the knob.
  - $\rightarrow$  The adjustment mechanism will lock automatically.
- 4) Press the backrest gently to the front/back to make sure that the seat angle is securely set. If this is not the case, the position of the knob must be checked.







#### 6.2.5 Adjusting the back angle

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#### 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.

#### NOTICE

#### Incorrect removal, mounting or adjustment of the seat

Damage to the seat cover due to improper handling

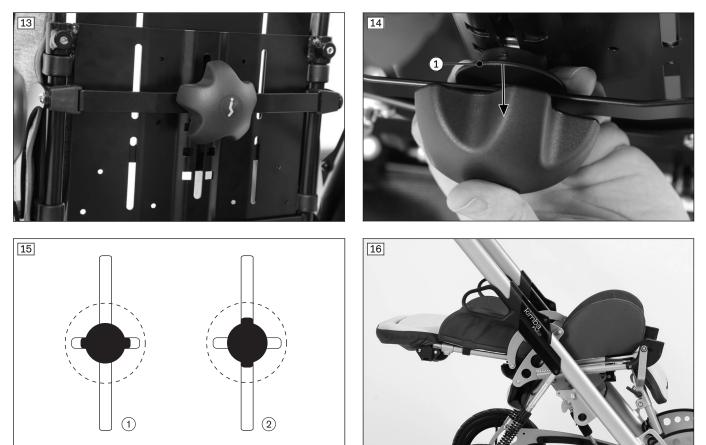
- Make sure that the lateral seat guides do not bump against the mobility base when removing, mounting or adjusting the seat.
- For this reason, fold the lateral guides inwards so they do not come into contact with the mobility base when removing, mounting or adjusting the seat.

The backrest can be adjusted as needed in a range from 90° to 180°.

It can either be adjusted continuously or using 4 given mounting positions.

1) Twist the knob (see fig. 13) counterclockwise to release the back angle adjustment.

- Use
- 2) When the backrest is in one of the 4 mounting positions, pull out the back locking mechanism (see fig. 14, item 1). For continuous adjustment, rotate the back locking mechanism by 90° (see fig. 15, item 2).
- 3) Move the backrest forward/backward to the desired position. The maximum position is lying flat (see fig. 16) INFORMATION: Please note that in the maximum position (lying flat), the footrest must be adjusted so that the user's feet can comfortably reach it.
- 4) For the backrest to engage in one of the 4 mounting positions, the back locking mechanism must be in the locking position (see fig. 15, item 1).
- 5) Turn the knob clockwise to fixate the back angle.



#### 6.2.5.1 Using the back angle limiters

#### INFORMATION

This function is only offered in selected regions. The back angle limiters are included in the basic version in France and Canada.

The back angle limiters reduce the back angle adjustment range to 90 to 130° (reduction of the adjustment range by 50°).

The back angle limiters can be used if the back angle is to be adjusted to the rear in combination with an extreme seat angle. When they are used, the angle of the backrest can only be adjusted max.  $165^{\circ}$  to the rear when the seat angle is at the maximum (+35°) (see fig. 17).

- 1) At the positions illustrated, press the back angle limiters onto the backrest tubes on the left and right (see fig. 18).
- 2) Set the seat angle to the desired position (see previous section).
- 3) Move the backrest to the desired position (see fig. 19, item 1). The back angle adjustment range is restricted by the back angle limiters.

**INFORMATION:** Please note that in the maximum position, the footrest must be adjusted so that the user's feet can comfortably reach it







# 6.2.6 Adjusting the footrest

#### 

#### Getting into buggy when the footrest is folded down is dangerous

Falling, tipping over of the user due to user error

► Fold up the footrest before getting in.

### 

#### Improper lifting by attendants

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

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

#### 6.2.6.1 Adjusting the knee angle

The knee angle of the footrest can be adjusted within a range of 0° to +90° as needed:

- 1) Open the adjustment lever (see fig. 20).
- 2) Adjust the knee angle.
- 3) Firmly close the adjustment lever.
- 4) Prior to use, check the secure position of the footrest. To do so, press the footrest down.
- $\rightarrow$  The knee angle must not change.



#### 6.2.6.2 Folding the footrest up and down

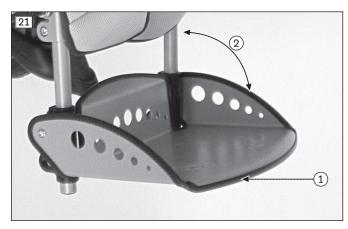
The footrest can be folded up for transport.

#### **Standard footrest**

- 1) Hold the edge of the footrest (see fig. 21, item 1) and fold it up (see fig. 21, item 2).
- 2) The footrest can be unfolded again by pressing down on it.

#### Angle-adjustable footrest (optional)

- 1) Pull the release strap (see fig. 22).
- 2) Fold up the footrest.
- 3) The footrest can be unfolded again by pressing down on it. It locks into place automatically.





#### Asymmetrical footrest (option)

If the footrest has been rotated to shorten the lower leg length, it folds down after pulling on the release strap.

- 1) Pull the release strap (similar: see fig. 22).
- 2) Fold down the footrest (see fig. 23).
- 3) Fold up the footrest again by pushing it upwards. It locks into place automatically.



# 6.3 Additional options

# 6.3.1 Headrests

The seat of the rehab buggy can be equipped with headrests that provide additional support for certain indications.

#### 6.3.1.1 Headrest supports

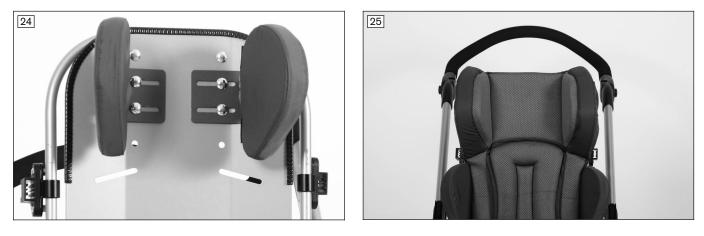
In this option (see fig. 24), the free space in the head region is adjusted by shifting the supports in the vertical slots (large adjustment range).

The option has been preset by qualified personnel.

#### 6.3.1.2 Integrated headrests

With this option (see fig. 25), the free space in the head region is adjusted through the insertion of foam pads into the lateral supports (adjustment range: **30 mm** in **1 mm** increments).

The option has been preset by qualified personnel.



#### 6.3.1.3 Individually adjustable head supports (with "shortened back insert" option)

This option is only available with the "shortened back" option. The head support position can be individually adapted to the needs of the user with various adjustment options (see fig. 26; see fig. 27). The option has been preset by gualified personnel.





# 6.3.2 Safety belts

#### 

# Use of the belt system as a restraint system in a vehicle for transporting persons with reduced mobility is forbidden

Falling out of the product, serious injuries due to improper handling of the product

- Under no circumstances may the belt system be used as part of a personal restraint system for transportation in a vehicle for transporting persons with reduced mobility.
- Note that the belt system is only intended as additional stabilisation for the user sitting in the product.

### 

#### Incorrect application of the belt system/positioning aid

Strangulation, suffocation due to incorrectly positioned safety belts/positioning aids

- Follow the instructions for proper application so that the user cannot slip into a position that would endanger him or her.
- Note that the user's back must be up against the back upholstery when securing the belt system/positioning aid and during use of the product.
- Do not use safety belts or positioning aids if the user is able to sit without them.

# 

#### Improper adjustments

Injuries, malpositions, illness of the user due to adjustment changes

- The belt system is an important part of an individual seating unit/seating solution. Do not modify the installation position and basic settings established by the qualified personnel.
- In case of problems with these adjustments (such as an unsatisfactory sitting position), promptly contact the qualified personnel who fitted the product.
- **Immediately** consult the qualified personnel if you detect signs of discomfort or fear when using the product.
- ► Have the basic settings of the belt system checked regularly. Adjustments may be required due to the growth of the user or because of changes in the course of the disease.

# 

#### Improper use

Falls, user falling out due to improper use

- The positioning system for the upper body must be put on when getting into the product and used in combination with a positioning lap belt at all times while using the product.
- Only open the positioning system for the upper body and the lap belt when the user is ready to get out of the product.
- Do not leave the user unsupervised if the cognitive abilities of the user could lead to unintentional opening of the positioning system.

The product can be equipped with different types of safety belts.

The option has been installed and preset by qualified personnel. If the option has been adjusted too tightly or cannot be engaged, the safety belt can be subsequently adjusted.

#### 6.3.2.1 Lap belts

#### 

#### Incorrect application

Throttling, suffocation or strangulation due to sliding forward in the product

- The lap belt has to fit closely but not too tightly so the user is not injured. It should be possible to slide two fingers comfortably between the strap and thigh.
- Observe the following positioning instructions.
- Observe the information for proper application and adjustment in these instructions for use to avoid hazards for the user.

#### 

#### Improper use

Falls, user falling out due to improper use

- ▶ The lap belt must be put on when getting into the product and used at all times while using the product.
- Only open the lap belt when the user is ready to get out of the product.
- Do not leave the user unsupervised if the cognitive abilities of the user could lead to unintentional opening of the positioning system.

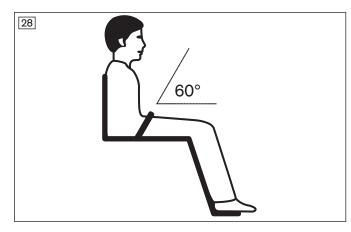
The seating unit can be equipped with a lap belt. It provides additional support for the pelvis and keeps the user from sliding out of the seat.

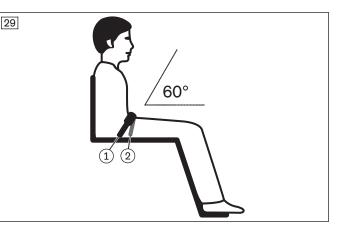
#### Instructions for use

- Place the user in an upright, 90° seated position (if physiologically possible).
- Ensure that the back is up against the backrest padding (if physiologically possible).
- The safety belt, which is usually preinstalled, should run in the direction of the thighs in front of the pelvic bones if possible (not illustrated).
- **Two-point lap belts:** The positioning strap should be at an angle of about 60° to the seat surface. The belt strap should run across the thighs in front of the pelvic bones (see fig. 28).
- **Four-point lap belts:** The main strap (with padding) should be at an angle of about 60° to the seat surface. The belt strap should run across the thighs in front of the pelvic bones (see fig. 29, item 1). The retaining straps should be positioned in front of the main strap to hold the main strap in position (see fig. 29, item 2).

#### **Possible errors**

- The safety belt is positioned above the pelvis of the user in the area of the soft part of the stomach.
- The user does not sit upright in the seat.
- If the safety belt is too loose, the user can shift/slide out to the front.
- During the installation/adjustment, the safety belt is led over parts of the seating system (e.g. over armrests or seat pads). This causes the lap belt to lose its positioning and retaining function.





#### 6.3.2.1.1 Two-point lap belt with metal buckle

#### Adjusting the belt

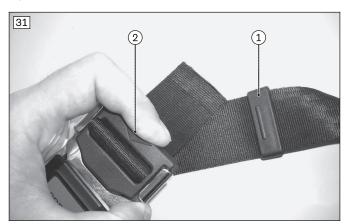
1) Pull the belt out of the belt restraint (see fig. 31, item 1).

- Close the belt buckle firmly (see fig. 31, item 2) and pull the belt in the desired direction. Make sure that the belt extends at least 20 mm beyond the buckle so that the belt restraint can be pushed over the loose end.
- 3) Thread the belt back into the belt restraint (see fig. 31, item 1).

#### Using the belt

- 1) To open the belt buckle, push the "press" button (see fig. 30, item 1).
- 2) Seat the user in the seat.
- 3) To close the belt, slide the metal tab into the buckle until you hear it click.





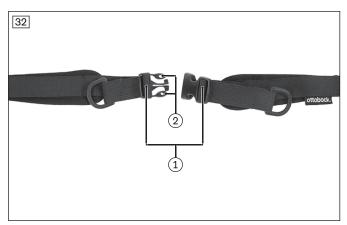
#### 6.3.2.1.2 Two-point children's lap belt

#### Adjusting the belt

- 1) Adjust the belt ends at the belt closure. Do so by loosening the belt ends in the buckle, adjusting the length and pulling them tight (see fig. 32, item 1).
- 2) The length can also be adjusted in the 3-slot mounting brackets. Do this by loosening the belt ends in the 3-slot mounting brackets, adjusting the length and pulling them tight. For belt placement: see fig. 33.

#### Using the belt

- 1) To open the belt buckle, press the metal snap from above and below (see fig. 32, item 2). Pull the metal snap out of the closure.
- 2) Seat the user in the seat.
- 3) Fasten the belt by means of the metal snap until the closure audibly engages.
- → The main strap (with padding) should be at an angle of about 60° to the seat surface. The support straps should run across the thighs in front of the pelvic bones (see fig. 29).





#### 6.3.2.1.3 Four-point children's lap belt

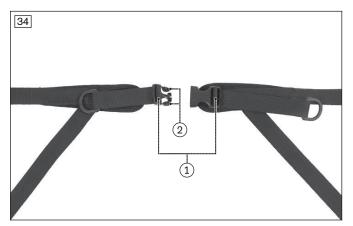
#### Adjusting the belt

1) Adjust the belt ends at the belt closure. Do so by loosening the belt ends in the buckle, adjusting the length and pulling them tight (see fig. 34, item 1).

2) The length can also be adjusted in the 3-slot mounting brackets. Do this by loosening the belt ends in the 3-slot mounting brackets, adjusting the length and pulling them tight. For belt placement: see fig. 33.

#### Using the belt

- 1) To open the belt buckle, press the metal snap from above and below (see fig. 34, item 2). Pull the metal snap out of the closure.
- 2) Seat the user in the seat.
- 3) Fasten the belt by means of the metal snap until the closure audibly engages.
- → The main strap (with padding) should be at an angle of about 60° to the seat surface. The support straps should run across the thighs in front of the pelvic bones (see fig. 29).



#### 6.3.2.2 Four-point belt

#### 

#### Incorrect application

Throttling, suffocation or strangulation due to sliding forward/down in the product

- Always use the positioning system in combination with a correctly applied and adapted positioning pelvic harness to stabilise the pelvis.
- The positioning system has to fit closely but not too tightly so the user is not injured. It should be possible to slide two fingers comfortably between the positioning system and upper body.
- The positioning system is intended to support the area of the upper body from the front. It has to be applied/positioned so that the neck and area of the throat remain free at all times. Follow the positioning instructions.
- Observe the information for proper application and adjustment of the product in these instructions for use so that the user cannot slide into a hazardous position.

# 

#### Improper adjustments

Injuries, malpositions, illness of the user due to adjustment changes

- The belt system is an important part of an individual seating unit/seating solution. Do not modify the installation position and basic settings established by the qualified personnel.
- In case of problems with these adjustments (such as an unsatisfactory sitting position), promptly contact the qualified personnel who fitted the product.
- **Immediately** consult the qualified personnel if you detect signs of discomfort or fear when using the product.
- ► Have the basic settings of the belt system checked regularly. Adjustments may be required due to the growth of the user or because of changes in the course of the disease.

The seating unit can be equipped with a four-point belt (see fig. 36). It additionally stabilises the pelvis and shoulders and prevents the user from sliding out of the seat. The buckle makes it easy to get in and out.

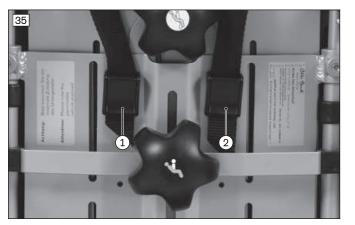
#### Adjusting the belt

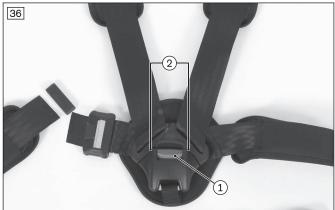
- 1) The setting of the lap belt part corresponds to the setting of the lap belt (see Page 19).
- INFORMATION: If the lap belt was run under the padding, the closures of the backrest pad must be opened.
- 2) Adjust the shoulder straps using the clip buckles at the base of the backrest (see fig. 40).

→ The four-point belt is adjusted correctly when the closed belt buckle lies against the child's abdomen (see fig. 37).

#### Using the belt

- 1) Press the release button to open the belt (see fig. 36, item 1).
- 2) Move the shoulder/lap belt straps to the side.
- 3) Seat the user in the seat.
- 4) Place the belts over his/her shoulders (see section "Five-point belt").
- 5) Make sure the two latches click into the buckle (see fig. 36, item 2).





#### 6.3.2.3 Five-point belt

#### 

#### Improper adjustments

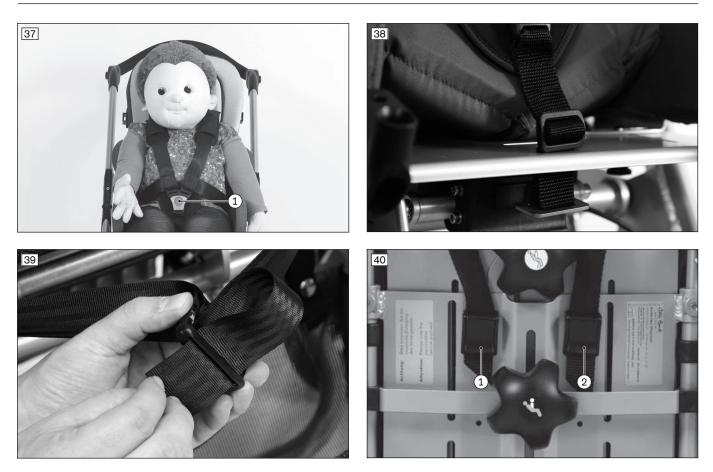
Injuries, malpositions, illness of the user due to adjustment changes

- ► The belt system is an important part of an individual seating unit/seating solution. Do not modify the installation position and basic settings established by the qualified personnel.
- In case of problems with these adjustments (such as an unsatisfactory sitting position), promptly contact the qualified personnel who fitted the product.
- **Immediately** consult the qualified personnel if you detect signs of discomfort or fear when using the product.
- ► Have the basic settings of the belt system checked regularly. Adjustments may be required due to the growth of the user or because of changes in the course of the disease.

The seating unit can be equipped with a five-point belt (see fig. 37). It additionally stabilises the pelvis and shoulders and prevents the user from sliding out of the seat. The buckle makes it easy to get in and out.

#### Adjusting the belt

- 1) Lengthen/shorten the crotch strap at the belt buckle (see fig. 38).
- Adjust the lap-belt part behind the seat using the adjustment buckle (see fig. 39).
   INFORMATION: If the lap belt was run under the padding, the closures of the backrest pad must be opened.
- 3) Adjust the shoulder straps using the clip buckles at the base of the backrest (see fig. 35, item 1 and item 2).
- → The five-point belt is adjusted correctly when the closed belt buckle lies against the child's abdomen (see fig. 37).



#### Using the belt

- 1) Press the red button to unfasten the belt (see fig. 37, item 1).
- 2) Move the shoulder/lap belt straps to the side.
- 3) Sit the user into the seat.
- 4) Place the belt over his/her shoulders.
- 5) Make sure the two belt tabs click into the buckle (see fig. 42).





#### 6.3.3 Positioning aids

#### 

# Use of the belt system as a restraint system in a vehicle for transporting persons with reduced mobility is forbidden

Falling out of the product, serious injuries due to improper handling of the product

- Under no circumstances may the belt system be used as part of a personal restraint system for transportation in a vehicle for transporting persons with reduced mobility.
- Note that the belt system is only intended as additional stabilisation for the user sitting in the product.

# 

# Incorrect application of the belt system/positioning aid

Strangulation, suffocation due to incorrectly positioned safety belts/positioning aids

- Follow the instructions for proper application so that the user cannot slip into a position that would endanger him or her.
- Note that the user's back must be up against the back upholstery when securing the belt system/positioning aid and during use of the product.
- Do not use safety belts or positioning aids if the user is able to sit without them.

# 

#### Improper adjustments

Injuries, malpositions, illness of the user due to adjustment changes

- ► The belt system is an important part of an individual seating unit/seating solution. Do not modify the installation position and basic settings established by the qualified personnel.
- In case of problems with these adjustments (such as an unsatisfactory sitting position), promptly contact the qualified personnel who fitted the product.
- **Immediately** consult the qualified personnel if you detect signs of discomfort or fear when using the product.
- Have the basic settings of the belt system checked regularly. Adjustments may be required due to the growth of the user or because of changes in the course of the disease.

# 

#### Improper use

Falls, user falling out due to improper use

- The positioning system for the upper body must be put on when getting into the product and used in combination with a positioning lap belt at all times while using the product.
- Only open the positioning system for the upper body and the lap belt when the user is ready to get out of the product.
- Do not leave the user unsupervised if the cognitive abilities of the user could lead to unintentional opening of the positioning system.

The option has been installed and preset by qualified personnel. If the option has been adjusted too tightly or cannot be engaged, the safety belt can be subsequently adjusted.

The seating unit can be equipped with positioning systems.

#### 6.3.3.1 Thoracic supports

The seating unit can be equipped with thoracic pads that provide additional support to the upper body for certain indications (standard thoracic pad: see fig. 43; folding thoracic pad: see fig. 44). The option has been preset by gualified personnel.

#### Folding the thoracic pads (folding thoracic pad version only)

These pads can be folded outwards to make getting in and out of the wheelchair easier:

- Push the red release button (see fig. 44).
   INFORMATION: Depending on the mounting situation, the red release button may point downwards (see illustration) or upwards.
- 2) Push the pad outwards.
- 3) After getting in or out, move the pad back until it engages.





#### 6.3.3.2 Abductor

The seating unit can be equipped with an abductor (see fig. 45) that ensures that the legs are abducted (spread to the sides) from the centre of the body for certain indications.

The option has been preset by qualified personnel.



#### 6.3.3.3 Pelvic band

#### INFORMATION

For further information, please see the instructions for use included with the product.

The seating unit can be equipped with a pelvic band (see fig. 46) that secures the pelvis in the seat for certain indications.

#### **Opening the pelvic band**

- 1) Press on the back end of a buckle with the thumb/forefinger (see fig. 47).
- 2) Pull out the plastic belt while holding the buckle down.

#### Fastening the pelvic band

- 1) Sit the user into the seat. Make sure that the user's buttocks are up against the backrest padding.
- 2) Press on the back end of a buckle with your forefinger (see fig. 47).
- Insert the plastic belt while holding the buckle down.
   CAUTION! If the pelvic band is too loose, the pelvis can slide forward and lead to incorrect positioning or cause the user to slide out of the buggy. Make sure the user is correctly positioned in the seat.





#### 6.3.3.4 Chest and shoulder support

#### 

#### Incorrect application

Throttling, suffocation or strangulation due to sliding forward/down in the product

- Always use the positioning system in combination with a correctly applied and adapted positioning pelvic harness to stabilise the pelvis.
- The positioning system has to fit closely but not too tightly so the user is not injured. It should be possible to slide two fingers comfortably between the positioning system and upper body.
- The positioning system is intended to support the area of the upper body from the front. It has to be applied/positioned so that the neck and area of the throat remain free at all times. Follow the positioning instructions.
- Observe the information for proper application and adjustment of the product in these instructions for use so that the user cannot slide into a hazardous position.

#### INFORMATION

For further information, please see the instructions for use included with the product.

#### INFORMATION

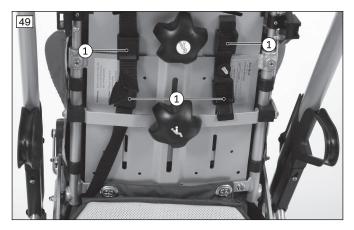
Note the instructions for use and possible application errors (see Page 21, four-point belts), which apply here too.

The seating unit can be equipped with a chest and shoulder support that secures the trunk in the seat for certain indications (see fig. 48). It is used to achieve upright symmetrical position of the pelvis and trunk.

#### Adjusting the chest and shoulder support

The adjustment of the final belt tension takes place when putting it on by adjusting the belt length at the two pairs of clip buckles on the back of the seat (see fig. 49, item 1).

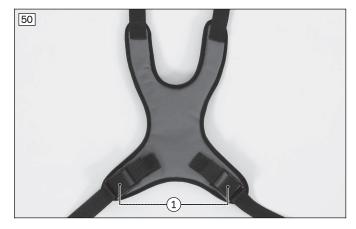


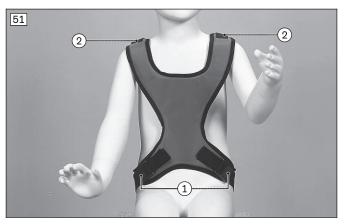


#### Putting on the chest and shoulder support

- 1) If needed: Before putting the user into the seat, unfasten the clip buckles at the back of the seat (see fig. 49, item 1) and pull the belt straps of the chest and shoulder support forward somewhat.
- 2) Unfasten the bottom belt straps of the chest and shoulder support at the clip buckles (see fig. 50/see fig. 51, item 1), pull the belt straps through and move the chest and shoulder support back.
- 3) Sit the user into the seat. Make sure that the user's back is up against the backrest padding.
- 4) Pull the chest and shoulder support over the user's head onto his or her chest.
- 5) Put the lower belt straps of the chest and shoulder support into the clip buckles (see fig. 50/see fig. 51, item 1).
- 6) If needed: Tighten the belt straps in the clip buckles at the back of the seat and fasten them (see fig. 49, item 1). Make sure that the chest and shoulder support lies symmetrically on the pelvis.
   CAUTION! If the chest and shoulder support is too loose, the user can slide forward. This may load to

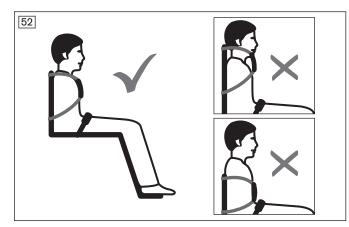
CAUTION! If the chest and shoulder support is too loose, the user can slide forward. This may lead to incorrect positioning or cause the user to slide out of the buggy. Please ensure that the child is positioned correctly in the seat. The lower support belts must lie firmly against the spinae.

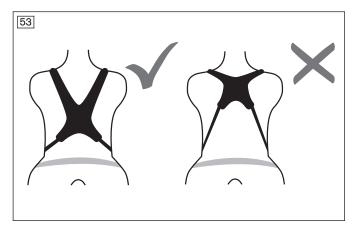




#### Instructions for use

- Place the user in an upright, 90° seated position (if physiologically possible).
- Ensure that the back is up against the backrest padding (if physiologically possible).
- Ensure that the height of the backrest on the product is adjusted correctly. The top of the backrest must be at the height of the shoulders (see fig. 52).
- The positioning system is intended to support the area of the upper body (breastbone) from the front. The upper and lower straps have to be adjusted as needed.
- Ensure that the positioning system is not too close to the throat (see fig. 53). Otherwise the upper straps have to be readjusted.





#### **Possible errors**

- The positioning system is too close to the throat, endangering the user.
- The positioning system makes contact with the user in the area of the soft part of the stomach (too low).
- The user's hips are not secured with a separate pelvic harness.

- If the positioning system is too loose, the user can shift forward/slide down.
- The positioning system collides with devices, options or supply hoses during installation and adjustment, restricting their functionality.

#### 6.3.3.5 Fixation vest

# 

#### Incorrect application

Throttling, suffocation or strangulation due to sliding forward/down in the product

- Always use the positioning system in combination with a correctly applied and adapted positioning pelvic harness to stabilise the pelvis.
- The positioning system has to fit closely but not too tightly so the user is not injured. It should be possible to slide two fingers comfortably between the positioning system and upper body.
- The positioning system is intended to support the area of the upper body from the front. It has to be applied/positioned so that the neck and area of the throat remain free at all times. Follow the positioning instructions.
- Observe the information for proper application and adjustment of the product in these instructions for use so that the user cannot slide into a hazardous position.

#### INFORMATION

For further information, please see the instructions for use included with the product.

#### INFORMATION

Note the instructions for use and possible application errors (see Page 21, four-point belts), which apply here too.

The seating unit can be equipped with a fixation vest that secures the trunk in the seat for certain indications (see fig. 54). The fixation vest does not provide any support for the pelvis.

#### Adjusting the fixation vest

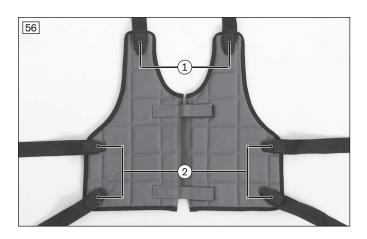
The adjustment of the final belt tension takes place when putting it on by adjusting the belt length at the six clip buckles on the back of the seat (see fig. 55).





#### Putting on the fixation vest

- 1) Unfasten the hook-and-loop tabs over the zipper (see fig. 54, item 1).
- 2) Unzip the zipper (see fig. 54, item 2).
- 3) If needed: Before putting the user into the seat, unfasten the clip buckles at the back of the seat and pull the belt straps of the fixation vest forward somewhat (see fig. 55).
- 4) Sit the user into the seat. Make sure that the user's back is up against the backrest padding.
- 5) Close the zipper (see fig. 54, item 2).
- 6) If needed: Tighten the belt straps in the clip buckles at the back of the seat (see fig. 55, item 3) and fasten them.
- 7) Close the hook-and-loop tabs over the zipper (see fig. 54, item 1). In daily use, the fixation vest can also be put on/removed by opening/closing the clips on the front (see fig. 56, item 1/2).



#### 6.3.3.6 Groin strap

#### INFORMATION

For further information, please see the instructions for use included with the product.

The seating unit can be equipped with a groin strap that secures the pelvis in the seat for certain indications (see fig. 57).

#### Adjusting the groin strap

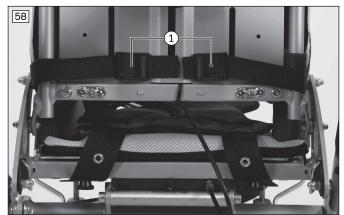
The adjustment of the final belt tension takes place when putting it on as follows:

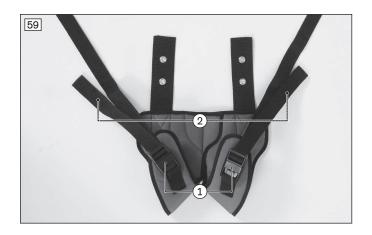
- Adjusting the belt length at the two clip buckles on the back of the seat (see fig. 58, item 1).
- Adjusting the belts in the strap adjustment at the leg straps (see fig. 59, item 1).

#### Putting on the groin strap

- 1) If needed: Open the clip buckles and pull the belt straps of the leg straps to the front somewhat (see fig. 58, item 1).
- 2) Open the two clips at the leg straps by pressing on the fastener tabs (see fig. 59, item 1).
- Place the user on the groin strap and thread the leg straps between the legs and over the thighs to the outside (see fig. 57).
- 4) Close the two clips at the leg straps (see fig. 59, item 1).
- 5) If needed: Tighten the belt straps in the clip buckles at the back of the seat and fasten them (see fig. 58, item 1).
- 6) By pulling on the free belt ends in the belt adjustment, the length of the leg straps can be adjusted, if needed (see fig. 59, item 2).







#### 6.3.3.7 Neck support

The shaped padding helps to immobilise the user's head in the seating unit. The option has already been installed by qualified personnel.



#### 6.3.3.8 Lumbar padding

The shaped padding offers additional support for the lumbar spine.

The option has been positioned and fastened below the seat padding by qualified personnel.



#### 6.3.3.9 Hook-and-loop foot straps

The seating unit can be equipped with hook-and-loop foot straps that secure the child's feet firmly to the footrest for certain indications (see fig. 63).

#### Using the hook-and-loop foot strap

- 1) Open the hook-and-loop fastener.
- 2) Place the foot on the footrest.
- 3) Pull the strap firmly around the shoe and close the hook-and-loop fastener fully.



# 6.3.4 Grab rail

# 

#### Improper lifting by attendants

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

• The grab rail must not be used to lift the seating unit or the entire rehab buggy.

#### INFORMATION

Please note that the grab rail cannot be combined with the options "armrests" or "tray", as the same mounts are used.

The rehab buggy can be equipped with a grab rail that prevents the sitting child falling forward for certain indications.

The grab rail can be removed to facilitate getting into the buggy.

#### Removing the grab rail

- 1) Press the release in (see fig. 65, item 1).
- 2) Pull the grab rail up and out (see fig. 65, item 2).

#### Mounting the grab rail

- 1) Press in the tripod springs on the left and right sides of the grab rail (not illustrated).
- 2) Press down the grab rail until the tripod springs engage behind the releases (see fig. 65, item 2).





#### 6.3.5 Armrests

#### 

#### Improper lifting by attendants

User may fall or tip over

The armrests must not be used to lift the seating unit or the entire rehab buggy.

# INFORMATION

Please note that the removable armrests cannot be combined with the options "grab rail" or "tray", as the same mounts are used.

The seating unit can be equipped with armrests that support the arms for certain indications.

#### Removing/mounting the removable armrests

The removable armrests can be removed/mounted (see fig. 66) using the same method as that for removing/mounting the grab rail (see previous section).

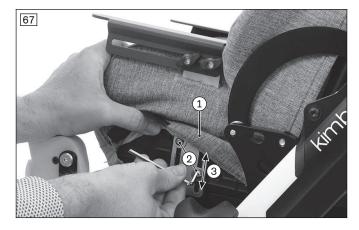
#### Adjusting the height of the adjustable armrests

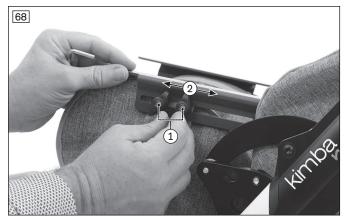
- 1) Lift the pad underneath the armrest to the side (see fig. 67, item 1).
- 2) Loosen the mounting screws (see fig. 67, item 2).
- 3) Carry out the height adjustment (see fig. 67, item 3).
- 4) Tighten the mounting screws: (see fig. 67, item 2).

#### Adjusting the depth of the adjustable armrests

- 1) Remove the armrest pads (not illustrated).
- 2) Loosen the wing nuts (see fig. 68, item 1).
- 3) Carry out the depth adjustment (see fig. 68, item 2).
- 4) Retighten the wing nuts and mount the armrest pad.







# 6.3.6 Tray

#### 

#### Improper adjustment

Crushing or pinching due to adjustments which are too tight

• Do not pinch the user when sliding in the product.

# 

#### Improper lifting by attendants

Falling, tipping over of the user due to lifting by removable components

• The product must not be lifted by the tray.

#### NOTICE

#### Overloading

Damage to the product through user error

Trays must not be loaded with heavy objects.

The seating unit can be equipped with a tray on which objects can be placed directly next to the seat. The tray is mounted on the seating unit and secured against rotation.

#### 6.3.6.1 Tray, height-adjustable

#### INFORMATION

- Please note that the tray cannot be combined with the options "armrests" or "grab rail", as the same mounts are used.
- Please note that the tray can be used only when the seat is facing forward.

#### Mounting the tray

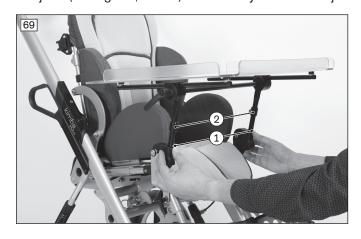
- 1) Sit the user into the seating system.
- 2) Plug the tray into the adapters.
- 3) Press in the tripod springs on the left and right sides of the tray (see fig. 69, item 1).
- 4) Press down the tray until the tripod springs engage behind the releases.

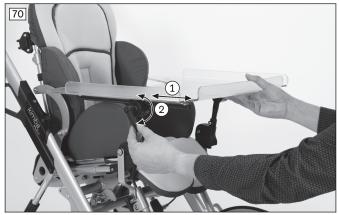
#### Removing the tray

- 1) Remove all objects from the tray.
- 2) Press the release in (as with grab rail: see fig. 64).
- 3) Pull the tray out and up.

#### Adjusting the tray position

- 1) **Adjust height:** Loosen the Allen screws on the frame with a size 4 Allen wrench (see fig. 69, item 2) and adjust the frame in parallel on both sides. Retighten the Allen head screws.
- 2) Adjust depth: Release the adjustment lever under the tray and set the depth by moving the tray (see fig. 70, item 1). Then firmly close the adjustment lever.
   CAUTION! Do not pinch the user when sliding in the product. Ensure that the user's arms can rest on
- the tray and that the front, round cutout does not press on the user's body.
  3) Adjust the angle: Release the adjustment lever under the tray and set the tray angle by turning the tray at the joint (see fig. 70, item 2). Then firmly close the adjustment lever.





#### 6.3.6.2 Tray with armrest attachment

#### Mounting the tray

1) Sit the user into the seating system.

- 2) If necessary: Remove the armrest pads and adjust the armrests to the same height.
- Slide the tray on to the armrests. Do not tilt the tray (see fig. 71).
   CAUTION! Do not pinch the user when sliding in the product. Ensure that the user's arms can rest on the tray and that the front, round cutout does not press on the user's body.
- 4) Check that the tray is attached firmly before use.

#### Removing the tray

- 1) Remove all objects from the tray.
- 2) Pull the tray away from the armrests to the front.

### Adjusting the tray position

This tray cannot be adjusted.



# 6.3.7 Canopy

# 

#### Exposed pinch points

Crushing, pinching due to incorrect handling

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

#### NOTICE

#### Improper use of the canopy

Damage to the fabric through user error

- Remove the canopy before folding the rehab buggy.
- Remove the canopy from the rehab buggy if it is stored for a long period to protect it from damage.

The rehab buggy can be equipped with a canopy to protect the user from sun or rain (see fig. 72).

#### Mounting the canopy

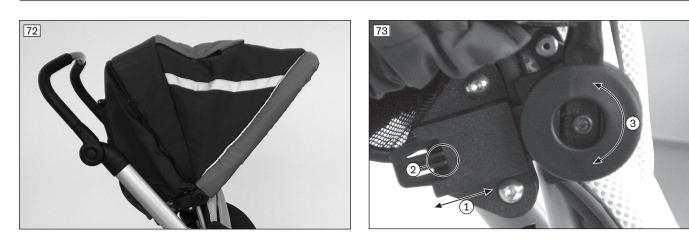
- 1) Move the backrest to an upright position.
- 2) Move the locking tongues for the canopy into parallel mounting position (see fig. 77).
- 3) Press the locking tongues for the canopy into the buckles (see fig. 77, item 1) until they click into place audibly (see fig. 77, item 2).

#### Adjusting the canopy angle

- 1) Fold up the canopy.
- 2) Hold the canopy at the front support and change the angle by pressing or pulling on the support. The setting joint locks into place automatically (see fig. 77, item 3).

#### Removing the canopy

- 1) Move the backrest to an upright position.
- 2) Release the locking tongues for the canopy from the buckle by pressing lightly (see fig. 77, item 2).
- 3) Pull the locking tongues out and remove the canopy.



#### Special features of the canopy

- Opening the window allows for permanent visual contact with the child (see fig. 74).
- Removal of the back part allows for improved ventilation (e.g. in case of accumulating heat in summer; see fig. 75).
- The rain cover bag contains the rain cover (see fig. 79).





#### 6.3.8 Rain canopy

The seating unit can be equipped with a rain canopy to protect the user from sun or rain (see fig. 76).

#### Mounting the rain canopy

- 1) Move the backrest to an upright position.
- 2) Move the locking tongues for the rain canopy into parallel mounting position (see fig. 77).
- 3) Press the locking tongues for the rain canopy into the buckles (see fig. 77, item 1) until they click into place audibly (see fig. 77, item 2).

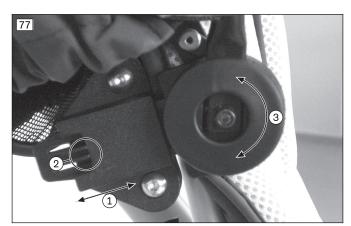
#### Adjusting the rain canopy angle

- 1) Fold up the rain canopy.
- 2) Hold the rain canopy at the front support and change the angle by pressing or pulling on the support. The setting joint locks into place automatically (see fig. 77, item 3).

#### Removing the rain canopy

- 1) Move the backrest to an upright position.
- 2) Release the locking tongues for the rain canopy from the buckle by pressing lightly (see fig. 77, item 2).
- 3) Pull the locking tongues out and remove the rain canopy.





#### Special features of the rain canopy

• The transparent rain canopy offers protection against rain from the side and permits permanent visual contact with the child (see fig. 76).

#### 6.3.9 Rain cover



#### Incorrect attachment

Damage to product due to incorrect installation

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

The rehab buggy can be equipped with a rain cover that prevents the user from getting wet (see fig. 78). The rain cover can be stored in the side bag of the canopy (see fig. 79).

#### Using the rain cover

- 1) Take the rain cover from the side bag of the canopy (see fig. 79).
- 2) Put the rain cover over the canopy and the footrest. Make sure that the air intake is placed open over the user's nose (see fig. 78, item 1).





#### 6.3.10 Summer/winter slip sack



The rehab buggy can be equipped with a summer/winter slip sack (see fig. 80). The warming winter part can be inserted/removed using snap fasteners.

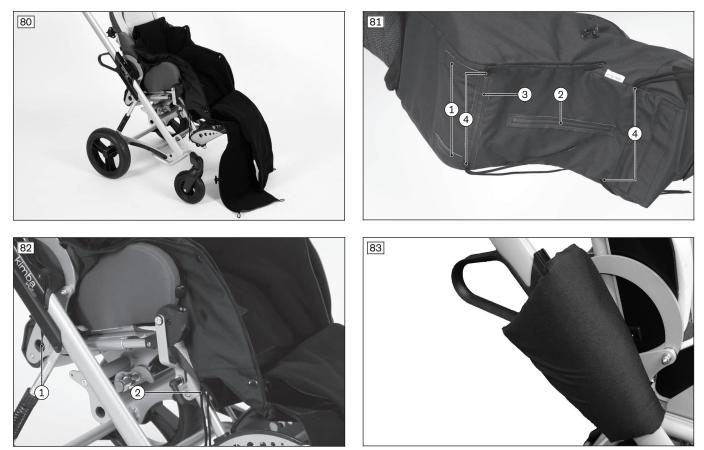
#### Fastening the slip sack

1) Place the slip sack in the rehab buggy.

- 2) If needed, place the lap belt (see fig. 81, item 1), the abductor/five-point belt (see fig. 81, item 2) or the groin strap (see fig. 81, item 3) through the openings underneath the slip sack.
- 3) Fasten the attachment cords (see fig. 81, item 4) depending on the attachment situation:
  - $\rightarrow$  Back: e.g., at the seat plate (see fig. 82, item 1)
  - $\rightarrow$  Front: e.g., at the footrest tube (see fig. 82, item 2)

#### Using the slip sack

- 1) If needed: insert/remove winter part using snap fasteners.
- 2) Open the zipper and place the user inside.
- 3) Close the zipper and the closures.



# 6.3.11 Seat depth reducer

# 

# Exposed pinch points

Crushing, pinching due to incorrect handling

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

The seat depth of the Kimba Neo seating unit in size 1 can be reduced by **50 mm** to **140 mm** with the seat depth reducer.

If the seat depth needs to be increased, the seat depth reducer can be removed. Please contact the qualified personnel who adjusted the product.



# **6.3.12 Incontinence cover**

The incontinence cover (see fig. 85) protects the padding of the Kimba Neo seating unit. The incontinence cover can be removed for washing. Close the hook-and-loop straps before washing.



#### Attaching the incontinence cover

- 1) Remove the seat padding and the back padding from the seating unit (see Page 43 et seq.).
- 2) Lay out the incontinence cover ready for the seat and back padding. To do this, open all the hook-and-loop straps (see fig. 86).
- 3) Place the seat padding in the incontinence cover.
- 4) Secure the incontinence cover to the back padding:
  - $\rightarrow$  Place the back padding on the incontinence cover (see fig. 87).
  - → Guide the lower 3 hook-and-loop straps around the back padding and strap them together (see fig. 88, item 1).
  - $\rightarrow$  Thread the vertical hook-and-loop straps through the back padding (see fig. 88, item 2).
- 5) Secure the back padding to the seating unit:
  - $\rightarrow$  Pull the back padding with its cap over the back insert.
  - → Guide the vertical hook-and-loop straps towards the rear over or through the back plate (see fig. 89, item 1).
  - → Guide the upper horizontal hook-and-loop strap around the back plate and strap it together (see fig. 89, item 2). In doing so, the vertical hook-and-loop straps must be secured with the horizontal hook-and-loop strap (see fig. 89, item 3).
- 6) Push the back padding towards the rear and secure it to the back of the seating unit with the twist lock.



#### Removing and cleaning the incontinence cover

- 1) Remove the seat padding and the back padding from the seating unit (see Page 43 et seq.).
- 2) Remove the incontinence cover from the seat padding and lay it down.
- 3) Remove the incontinence cover from the back padding. To do this, open all the hook-and-loop straps and remove the incontinence cover from the back padding.
- 4) Wash the incontinence cover according to the washing symbols on the label with care instructions. **INFORMATION: Fully close the hook-and-loop straps before washing.**

# 6.3.13 Inlay for small children

The inlay provides very small children with better support in the Kimba Neo seating unit (see fig. 90). The inlay can be removed for washing. Close the attachment straps before washing.



# Fastening the inlay

- 1) Remove the seat padding from the seating unit (see Page 43 ff.).
- 2) Prepare the inlay. Do so by opening all of the attachment straps.
- 3) Press the inlay onto the hook-and-loop material on the seat plate (see fig. 91).

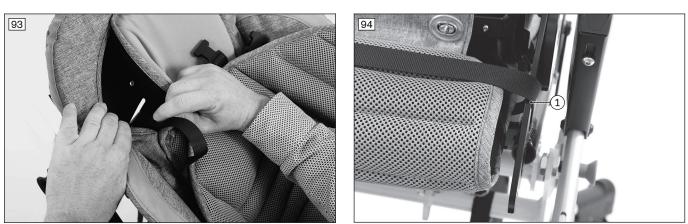
- 4) Thread the straps through the back plate as shown in the illustration (see fig. 92):
  - → Thread the upper strap through the back plate 2 times (see fig. 93; see fig. 92, item 1). Close the belt buckle.
  - → Thread the middle strap through the slotted holes in the back plate 2 times (see fig. 92, item 2). Close the belt buckle.
  - → Thread the lower strap through the inner round holes on the seat frame 2 times (see fig. 94, item 1; see fig. 92, item 3). Close the belt buckle.
- 5) Fit the seat padding onto the hook-and-loop fastener.

# Removing and cleaning the inlay

- 1) Open the belt buckles of the attachment straps on the inlay.
- 2) Pull the inlay off the seat plate.
- 3) Close the belt buckles on the inlay.
- 4) Wash the inlay according to the washing symbols on the label with care instructions.







# 6.3.14 Foam wedges for individual seating positions

The foam wedges can be used for individual fine adjustment of the seat surface according to the specifications of the therapist.

The option was selected by the qualified personnel and attached to the seat surface and itself.

The foam wedges can be pulled off the hook-and-loop strips for cleaning.





# 6.4 Disassembly and transport

#### 

#### Exposed pinch points

Crushing, pinching due to incorrect handling

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

#### NOTICE

#### Incorrect removal, mounting or adjustment of the seat

Damage to the seat cover due to improper handling

- Make sure that the lateral seat guides do not bump against the mobility base when removing, mounting or adjusting the seat.
- ► For this reason, fold the lateral guides inwards so they do not come into contact with the mobility base when removing, mounting or adjusting the seat.

# NOTICE

#### **Deformation when folded**

Damage to the product, problems unfolding due to unallowable loads

▶ Never place heavy objects on the folded product.

#### INFORMATION

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

The seating unit can be removed from the mobility base (see Page 11) for transport.

Unfolding and folding the mobility base is explained in the 647G891 instructions for use.

#### 6.4.1 Transporting the seating unit assembled on the mobility base

When unfolding or folding the mobility base, make sure to push the lateral supports slightly to the inside (see fig. 97; see fig. 98). This prevents the push bar from rubbing against and damaging the fabric while folding or unfolding.





# 6.5 Use in vehicles for transporting persons with reduced mobility

# 6.5.1 General safety instructions

#### 

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

Serious injuries in case of accidents due to user error

- Always use the seats and restraint systems in the vehicle for transporting persons with reduced mobility first. This is the only way to ensure optimum protection of passengers in the event of an accident.
- The product was tested for use in a vehicle for transporting persons with reduced mobility in combination with a Kimba outdoor mobility base. For more information please refer to our brochure on using Ottobock products in wheelchair accessible vehicles, order number 646D158.
- The product may only be used as a seat in a vehicle for transporting persons with reduced mobility with the securing elements offered by the manufacturer and with suitable restraint systems.
- Please note that you must always remove certain options before using the product in a vehicle for transporting persons with reduced mobility.
- Be sure to only use the product in vehicles for transporting persons with reduced mobility with the seat facing in the driving direction.
- Be sure to only use the product in vehicles for transporting persons with reduced mobility with the seating unit locked horizontally and the backrest locked in the upright position.

# 

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

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

During use in a vehicle for transporting persons with reduced mobility, the maximum user weight in the Kimba Neo seating unit is limited to 40 kg.

#### 

# Use of the belt system as a passenger restraint system in vehicles for transporting persons with reduced mobility is forbidden

Serious injuries due to improper handling of the product

- Under no circumstances may the belts and positioning aids offered with the product be used as part of a passenger restraint system in vehicles for transporting persons with reduced mobility.
- Note that the belts and positioning aids offered with the product are only intended to help support the user sitting in the product.

# 

#### Missing safety devices with "shortened back insert" option

Severe injury in case of accidents due to missing positioning systems

- When using the "shortened back insert" option with individually adjustable head supports (see Page 17), one of the positioning systems for the upper body listed below must always be used in addition to the restraint system in the vehicle for transporting persons with reduced mobility:
  - → Five-point belt (see Page 22)
  - $\rightarrow$  Chest and shoulder pad (see Page 26)
  - $\rightarrow$  Fixation vest (see Page 28)

# INFORMATION

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

# 6.5.2 Permitted use

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

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

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

- Sun canopy
- Grab rail
- Tray
- Diaper bag
- Backpack

#### 6.5.3 Important information

The following important information is contained in the 647G891 Instructions for Use of the Kimba mobility bases:

- Adjusting and securing the seat angle
- · Adjusting the seating unit
- · Adjusting and securing the back angle
- Securing the product in the vehicle
- Securing the user in the product

# 6.6 Care

- Do not allow sand or other particles to get into the product. They could degrade the wheel bearings, the suspension (Kimba Neo only) and the locking mechanism.
- Use in saltwater is not permitted.
- Foam wedges may remain on the seat surface if they have been attached there by the qualified personnel.

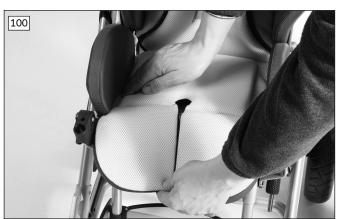
#### 6.6.1 Detaching/attaching the padding for cleaning

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

#### 6.6.1.1 Detaching/attaching the seat padding

- 1) Lift the seat padding and remove it from the hook-and-loop fastener on the seat plate (see fig. 99).
- 2) Clean the seat padding.
- 3) Fit the seat padding onto the hook-and-loop fastener.
- 4) Push the seat padding under the hip supports (see fig. 100).





# 6.6.2 Detaching/attaching the back padding

# INFORMATION

The manufacturer offers two versions of the back padding:

- ► Back padding for standard back insert (see fig. 101)
- Back padding for back insert with headrests (see fig. 102)
- 1) Release the twist lock of the back padding behind the seat bottom (see fig. 103).
- 2) Unzip the back padding zipper (see fig. 104) and remove/clean the back padding.
- 3) Put the back padding in place and pull it through between the back and seat bottom.
- 4) Close the twist lock (see fig. 103).
- 5) Slide the back padding under the lateral supports (no illustration).







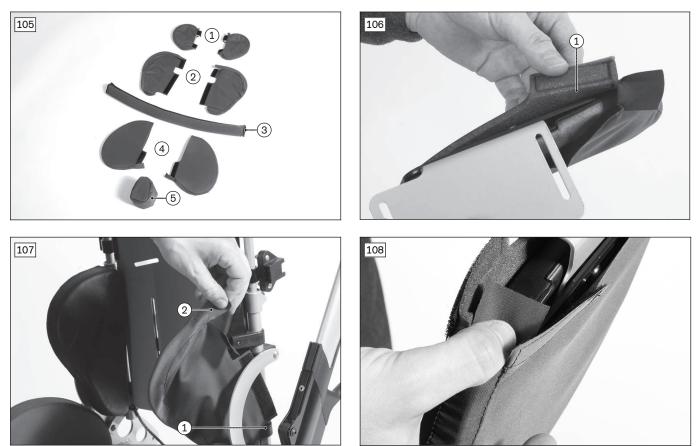


# 6.6.3 Detaching/attaching the covers

# INFORMATION

The manufacturer offers the covers in the following versions:

- ► Covers for headrest supports (see fig. 105, item 1)
- ► Covers for lateral supports (see fig. 105, item 2)
- Covers for thoracic supports (no illustration)
- Cover for the grab rail (see fig. 105, item 3; see the following section for replacement)
- ► Covers for hip supports (see fig. 105, item 4)
- Cover for the abductor (see fig. 105, item 5)
- 1) Remove the seat padding or back padding if required.
- 2) Open the hook-and-loop closure on the cover.
- 3) Remove the cover from the support or abductor and clean it.
- 4) Slide the cover over the support with proper alignment. Note the following:
  - → If present: position the side reinforced with foam material on the **outside** (over the screw heads) (see fig. 106, item 1).
  - $\rightarrow$  Pull the cover over the support starting with the side that does not have a lug (see fig. 107, item 1).
  - $\rightarrow$  Pull the cover over the support with the help of the lug (see fig. 107, item 2).
  - $\rightarrow$  Before fastening the hook-and-loop closure, push and fold down the lug (see fig. 108).
- 5) Put the seat padding or back padding back into place.



# 6.6.4 Detaching/attaching the grab rail cover (option)

- 1) Pull the grab rail up and out (see fig. 109).
- 2) Pull the grab rail pad off the grab rail and clean it.
- 3) Slide the grab rail pad onto the grab rail.
- 4) Reattach the grab rail (see Page 31).



# 6.7 Cleaning

#### **Cleaning by hand**

- 1) Clean all frame components and plastic parts using mild detergents only.
- 2) Wash covers made of spacer fabric and microfibre at a maximum temperature of **40** °C. To do this, remove the covers from the padding and wash the covers only.

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

#### Important information on cleaning

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

#### Cleaning in a washing chamber

- 1) Remove the padding and covers, and follow the washing instructions for each article.
- 2) Wash the seating unit at max. 60 °C for max. 10 minutes.
- 3) If necessary: Remove all components where water has accumulated.
- Allow the seating unit to dry. In order to do so, set the folded rehab buggy vertically onto the back wheels and push handles so that water can run out (see fig. 110).
   INFORMATION: We recommend drying with compressed air.
- 5) **If necessary:** Reinstall all components that were removed.
- 6) Before storing or using the seating unit again, verify that it is dry. Wipe wet components with a cloth as needed.
- 7) Ensure that all labels (nameplate and warnings) are still legible. Otherwise replace these labels.



# 7 Maintenance and repair

# 7.1 Maintenance

# 7.1.1 Maintenance intervals

The functions described below can be checked by the user at home at the specified intervals. During these tasks, the user must not be sitting in the seating unit:

Component	Activity	Before each	Weekly	Monthly
		use		
Seating unit	Check attachment on mobility base			Х
	Check locking of seat angle adjustment	Х		
	Verify the function of knobs			Х
Footrest	Check for damage			Х
	Check footrest and angle adjustment mechanism for stability			X
Adapters for optional features	Check adapters for damage			X
Padding/belts	Check padding for proper condition			Х
	Check belts for wear		Х	
	Verify the belt buckle functionality	Х		
Product	Check the legibility of all labels and markings on the product			X

# 8 Disposal

# **8.1 Disposal Information**

Return the product to the specialist dealer for disposal.

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

# 9 Legal information

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

# 9.1 Service Life

# Expected service life: 4 years.

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

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

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

# 9.2 Liability

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

# 9.3 CE Conformity

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

# 9.4 Warranty

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

# 9.5 Trademarks

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

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

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

# 10 Technical data

#### INFORMATION

- ▶ Much of the technical data below is given in mm. Please note that product settings unless otherwise specified cannot be adjusted in the mm range but only in increments of approx. **0.5 cm** or **1 cm**.
- ► Note that the values achieved during adjustment may deviate from the values specified below. The deviation can be ±10 mm and ±2°.

Size 1	Size 2
200–300	260–350
190 <sup>2)</sup> –310	240–400
410–610	560–700
340–480	410–580
80–180 <sup>3) 4)</sup>	80–1804)
300/450	300/450
50	50
190–310	200–370
40 <sup>6)</sup>	40
40 <sup>6)</sup>	40
7	8.5
580x370x420	590x430x580
	200–300 190 <sup>2)</sup> –310 410–610 340–480 80–180 <sup>3) 4)</sup> 300/450 50 190–310 40 <sup>6)</sup> 7

<sup>1)</sup> The load capacity differs between the Kimba outdoor mobility base and the seating unit:

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

<sup>2)</sup>Possible with seat depth reducer option from **140 mm**.

<sup>3)</sup> With seat depth reducer option: **80°–160°** 

<sup>4)</sup> With back angle limiter size 1: **80°–131°**, size 2: **80°–135°**.

<sup>5)</sup> Please see instructions in the section "Use in vehicles for transporting persons with reduced mobility".

<sup>6)</sup> Can only be used up to **35 kg** with footrest for short lower leg length option

# **11 Appendices**

# 11.1 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.

	Threshold value (according to Regulation (EU) No. 1300/2014)

Feature	Threshold value (according to Regulation (EU) No. 1300/2014)	
Length [mm]	1200 (plus 50 mm for the feet)	
Width [mm]	700 (plus 50 mm on each side for the hands when mov- ing)	
Smallest wheels ["]	approx. 3 or greater (according to the regulation, the smallest wheel must be able to overcome a gap measur- ing 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 [°]	<ul> <li>6 (dynamic stability in all directions)</li> <li>9 (static stability in all directions, also when wheel lock engaged)</li> </ul>	

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