



Kimba

EN Instructions for use (user) 3

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1 Foreword

INFORMATION

Date of last update: 2022-12-19

- ▶ 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 or from the manufacturer's service department (visit www.ottobock.com for addresses).
- ▶ You can request this document as a PDF file at 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 transporting one child on the seat.

The product can be used indoors and outdoors.

2.2 Product overview



Kimba seating unit

1	Lateral supports (back support)	4	Standard leg support
2	Hip supports (seat)	5	Release button for back support angle adjustment
3	Clamping lever (knee angle adjustment for leg support)	6	Back support

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

4 Safety

4.1 Explanation of warning symbols

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

4.2 Safety instructions for use

 INFORMATION	The seating unit is intended for use with an outdoor mobility base/seating shell mobility base. In addition, please follow the safety notices in the instructions for use of the Kimba products.
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Hazards during preparation for use

 WARNING	<p>Independent modification of settings</p> <p>Serious injuries to the user due to improper changes to the product</p> <ul style="list-style-type: none"> ▶ 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.
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 WARNING	<p>Improper handling of packaging materials</p> <p>Risk of suffocation due to neglect of the duty to supervise</p> <ul style="list-style-type: none"> ▶ Packaging materials must be kept out of the reach of children.
--	--

Hazards when removing/mounting the seat

 WARNING	<p>Improper removal/mounting of the seat, improper unfolding/folding of the outdoor mobility base</p> <p>User may fall due to user error</p> <ul style="list-style-type: none"> ▶ Please note that no children are permitted to be in the seat while removing/mounting the seat or folding the outdoor mobility base.
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Hazard in case of broken skin

⚠ CAUTION

Skin damage

Skin damage or pressure points due to overloading

- ▶ Check your skin for intactness before and during use of the product.
- ▶ Pay attention to diligent skin care and pressure redistribution by interrupting the use of the product.
- ▶ If skin damage or other problems occur during use, stop using the product. Contact the qualified personnel.

Hazards due to fire, heat and cold

⚠ WARNING

Seat cushions and back support pads may ignite

Burns due to user error

- ▶ The seat and back support upholstery as well as seat cushions, padding and covers fulfil the normative requirements for flame resistance. However, they may still ignite if fire is handled improperly or negligently.
- ▶ Keep away from all ignition sources, especially lit cigarettes.

⚠ 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

Improper use

Falling out, tipping over due to failure to observe the indications for use

- ▶ The product may only be used with children aged six months and up.

⚠ WARNING

Improper use

User tipping or rolling over due to failure to follow instructions

- ▶ intended use Use of the seating unit for other than the intended use (see page 5) is not permitted.
- ▶ Do not exceed the maximum user weight for the seating unit (see page 48, "Technical data" section).

⚠ 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

Incorrect pushing or pulling on the seating unit

Risk of falling, tipping over due to user error

- ▶ For pushing or overcoming obstacles, use only the push handles or push bar of the respective outdoor mobility base/seating shell mobility base intended for this purpose.
- ▶ For height-adjustable mobility bases: Do not pull up on the seating unit or back support, for example when you want to use the height adjustment functions of outdoor mobility bases.

⚠ 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 47, "Maintenance" section).

NOTICE**Use under incorrect environmental conditions**

Damage to product due to corrosion or abrasion

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

NOTICE**Unfolded lateral support pads when attaching, detaching or adjusting the seating unit**

Damage to the covers due to excessive wear

- ▶ When detaching, attaching or adjusting the product, fold the lateral supports in so that they do not come into contact with the outdoor mobility base.

4.3 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.

4.4 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

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 10).

4.5 Nameplate and warning labels

4.5.1 Nameplate

The nameplates are found on the back support.

Label	Meaning
	A Manufacturer's product name
	B CE marking
	C Maximum user weight (see section "Technical data")
	D Manufacturer information/address
	E Serial number ¹⁾
	F Manufacturing date ²⁾
	G Symbol for medical device
	H WARNING! Read the instructions for use before using the product. Observe important safety-related information (e.g. warnings, precautions).
	I Manufacturer's reference number for the product variant
	J Serial number (PI) ^{3),1)}
	K Global Trade Item Number (DI) ⁴⁾

- 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

4.5.2 Warning labels

Label	Meaning
<p>Achtung: Bitte beachten Sie die maximale Zuladung des Untergestells!</p> <p>Attention: Please note the permissible vehicle payload!</p>	<p>Attention: Please observe the maximum load of the mobility base! (See the section "Technical data")</p>

Label	Meaning
<p style="text-align: center;">WARNING</p> <p>ACHTUNG: Lassen sie Ihr Kind nicht unbeaufsichtigt!</p> <p>ATTENTION: Never leave your child unattended!</p> <p>ACHTUNG: Dieser Sitz ist für Kinder unter 6 Monaten nicht geeignet!</p> <p>ATTENTION: This seating unit is unsuitable for children aged below 6 month!</p> <p style="text-align: center;">ottobock.</p>	<p>WARNUNG/WARNING ACHTUNG! Lassen Sie Ihr Kind nicht unbeaufsichtigt! CAUTION! Never leave your child unattended!</p> <p>ACHTUNG! Dieser Sitz ist für Kinder unter 6 Monaten nicht geeignet! CAUTION! This seating unit is not suitable for children aged below six months!</p>

5 Delivery

5.1 Scope of delivery

- Ready-to-use seating unit
- Options according to the order
- Instructions for use (user)
- 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 13 ff.

5.3 Storage

5.3.1 Storage during daily use

Store the product in a dry, enclosed room with sufficient air circulation and protection from 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 48.

It is not necessary to disassemble the product.

Maintain sufficient clearance from sources of heat.

Direct exposure to sunlight or UV radiation causes materials to harden and the product to age more quickly. When storing the product, do not expose it to direct sunlight or UV light.

6 Preparing the product for use

6.1 Assembly

6.1.1 Attaching the seating unit

CAUTION

Exposed pinch points

Crushing, pinching due to incorrect handling

- ▶ Only grip the specified components during assembly.

CAUTION

Failure to secure the seating unit when attaching it

User falling, tipping or falling out of the seating unit due to it not being secured or parts coming loose

- ▶ Before attaching and removing the seating unit and before the user gets in or out, always engage the wheel lock on the outdoor mobility base/seating shell mobility base. Check the braking function.
- ▶ When attaching the seating unit, always make sure it engages audibly in the outdoor mobility base/seating shell mobility base.
- ▶ Secure the seating unit using the seat lock.

a) Setting the direction the seating unit faces

INFORMATION

The following section describes how to attach the Kimba seating unit on a Kimba outdoor mobility base. The Kimba seating unit is attached the same way on the Kimba Cross and Kimba Inline outdoor mobility bases and on the Kimba Home mobility base.

The seating unit may face in one of two directions when mounted on the outdoor mobility base:

- In the direction of travel (see fig. 2, example for Kimba outdoor mobility base)
- Opposite to the direction of travel (see fig. 3, example for Kimba outdoor mobility base)

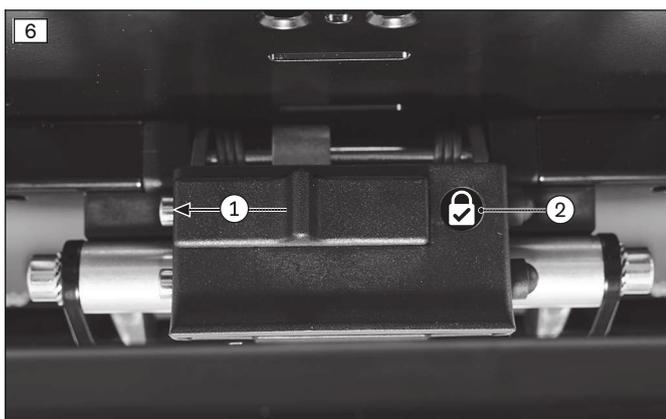


b) Attaching the seating unit

- 1) Gently press the lateral supports on the sides of the back support slightly inwards (see fig. 10) to avoid damaging the material.
- 2) First place the seating unit on the rear tube of the seat adapter at an angle of **approx. 45°** (see fig. 4).
- 3) Press the front edge of the seat onto the outdoor mobility base until the retaining claw audibly snaps on to the front tube of the seat adapter (see fig. 5).
- 4) Slide the seat lock to the left to engage it (see fig. 6, item 1). The green symbol shows that the seating unit is locked (see fig. 6, item 2).
- 5) Check that the seating unit and the outdoor mobility base are securely connected by pulling back the back support.
→ The seating unit should remain firmly attached to the outdoor mobility base.

c) Detaching the seating unit

For information on detaching the seating unit, see page 13.



7 Use

7.1 Basic functions

7.1.1 Attaching/detaching the seating unit

CAUTION

Failure to secure the seating unit when attaching it

User falling, tipping or falling out of the seating unit due to it not being secured or parts coming loose

- ▶ Before attaching and removing the seating unit and before the user gets in or out, always engage the wheel lock on the outdoor mobility base/seating shell mobility base. Check the braking function.
- ▶ When attaching the seating unit, always make sure it engages audibly in the outdoor mobility base/seating shell mobility base.
- ▶ Secure the seating unit using the seat lock.

INFORMATION

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

INFORMATION

The following section describes how to detach the Kimba seating unit from a Kimba outdoor mobility base. The Kimba seating unit is detached from the Kimba Cross and Kimba Inline outdoor mobility bases and the Kimba Home mobility base the same way.

To transport the buggy in a passenger vehicle or to transfer the seating unit to a mobility base, the seating unit has to be detached from the outdoor mobility base.

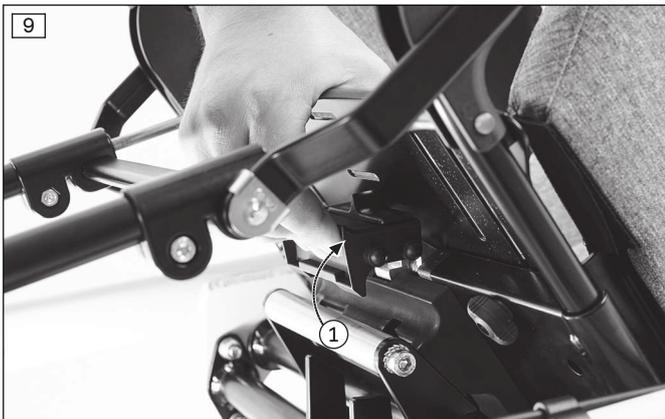
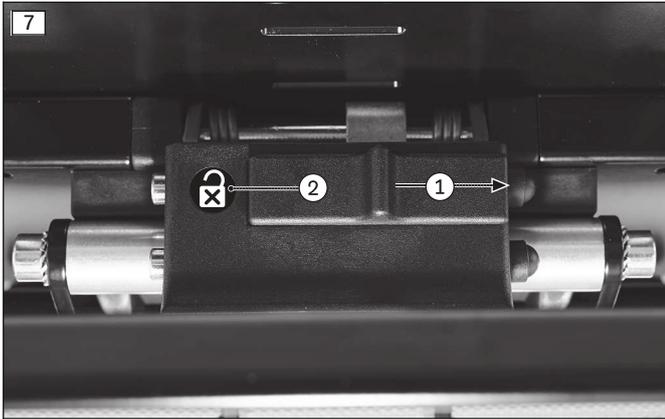
a) Detaching the seating unit

- 1) Move the seating unit to an upright position (see page 15).

- 2) To open the seat lock, slide it to the right (see fig. 7, item 1). The red symbol indicates that the seat lock is open (see fig. 7, item 2).
- 3) Stand next to the seating unit and hold the upper area of the back support with one hand.
CAUTION! If a head support is installed, do not hold onto it during this process.
- 4) Pull the release lever located below the seating unit upwards (see fig. 8, item 1).
- 5) Tilt the seat backwards (see fig. 9, item 1) at an angle of **approx. 45°** and then lift it up and out.

b) Attaching the seating unit

For information on attaching the seating unit, see page 12.



7.1.2 Rotating the seating unit

- 1) Detach the seating unit. See the previous section for information on detaching the seating unit.
- 2) Turn the seating unit in the desired direction. For information on the possible directions of the seating unit, see page 12.
- 3) Attach the seating unit. For information on attaching the seating unit, see page 12.

7.1.3 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 (seat tilt) is adjusted on the Kimba outdoor mobility base/seating shell mobility base. For further information, see the respective instructions for use.

- Kimba outdoor mobility base, Kimba Cross, Kimba Inline: see 647H1655=* instructions for use
- Kimba Home mobility base: see 647H560=* instructions for use
- Kimba indoor mobility base: see 647H429=* instructions for use

7.1.4 Adjusting the back support angle**⚠ 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**Exposed pinch points**

Crushing, pinching due to incorrect handling

- ▶ When folding the back support up or down, grasp only the specified components.

INFORMATION

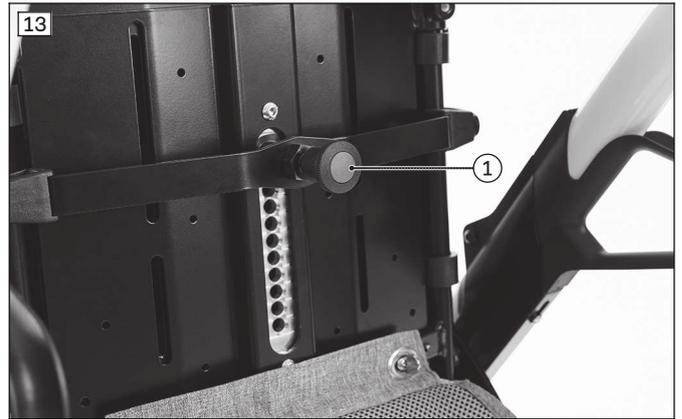
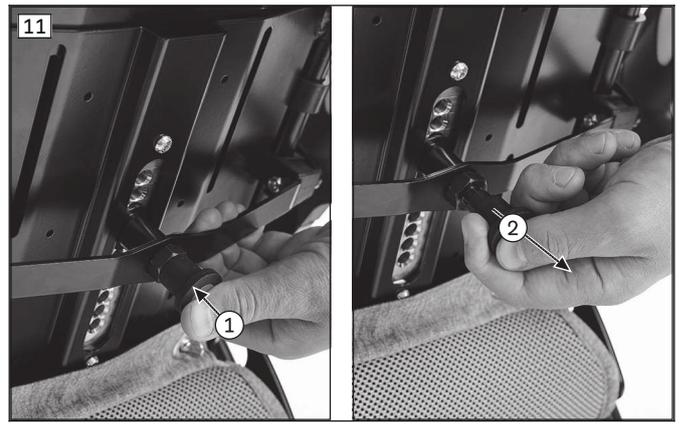
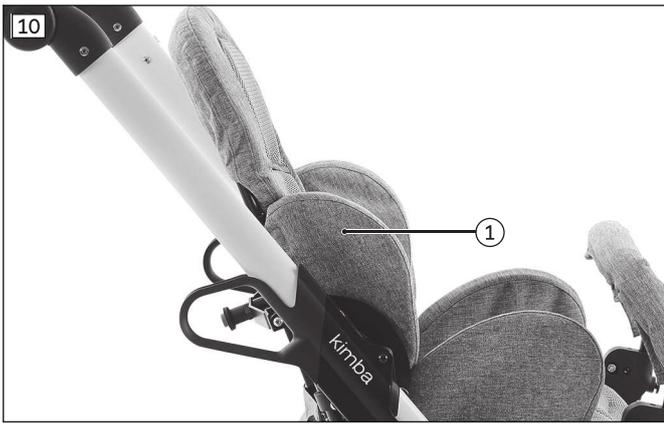
Note that when adjusting the back support angle, the leg support must also be adjusted in such a way as to allow a comfortable position for the user's feet.

The back support angle can be set in 11 locking positions in a range of **80°–180°**.

- 1) Gently press the lateral supports on the sides of the back support slightly inwards to avoid damaging the material (see fig. 10, item 1).
- 2) Press the child safety lock on the locking pin (red release button) (see fig. 11, item 1). While pressing the child safety lock, pull the locking pin outwards (see fig. 11, item 2).

INFORMATION: As you do so, use the other hand to secure the back support to prevent uncontrolled movements.

- 3) Set the back support to the desired angle.
INFORMATION: If the back support angle is set to 180° (maximum setting) the seating unit is in the lying position (see fig. 12).
- 4) Let the locking pin audibly engage in one of the 11 locking positions. The locking pin locks automatically; the red release button protrudes slightly (see fig. 13, item 1).



7.1.4.1 Using the back support angle limiters

INFORMATION

This function is offered only in selected regions.

Back support angle limiters restrict the back support angle to a range of **80°–130°**.

If the back support angle needs to be adjusted backwards with the seat angle at its maximum setting (**40°**), the back support angle limiters can be used. The back support can then be tilted backwards to a maximum of just **170°**.

- 1) Press the back support angle limiters onto the left and right back support tubes in the position shown (see fig. 14).
- 2) Move the back support to the desired position (see previous section).



7.1.5 Adjusting the leg support

⚠ CAUTION

Getting into the seating unit incorrectly with the leg support folded down

User falling, tipping due to user error

- ▶ Fold the leg support up before getting into the seating unit.

⚠ 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.

⚠ CAUTION

Faulty protective edge band

Cuts caused by exposed metal components

- ▶ Ensure that no part of the protective edge band is faulty and that it is not detached from the leg support.
- ▶ Have a faulty protective edge band replaced by the dealer.

⚠ CAUTION

Improper use of the leg supports

Abrasions due to sharp edges, skin irritation

- ▶ To prevent injuries on the soles of the feet, do not use the leg supports while barefoot.

7.1.5.1 Adjusting the knee angle

The leg support's knee angle can be adjusted in a range of **0°–90°**:

- 1) Release the clamping lever on the leg support (see fig. 15, item 1).
- 2) Hold on to the tube and adjust the knee angle (see fig. 15, item 2).
- 3) Tighten the clamping lever.
- 4) Before using the buggy, check that the leg support is secure. To do so, push the leg support down.
 - The knee angle must not change.



7.1.5.2 Folding the leg support up and down

The leg support may be folded up for transport:

Standard leg support

- 1) Hold the leg support by the edge and fold it upwards (see fig. 16, item 1).
- 2) After transport, fold the leg support down again.

"Angle-adjustable" leg support (option)

- 1) Pull the release strap (see fig. 17).
- 2) Hold the leg support by its edge and fold it upwards.
- 3) After transport, fold the leg support down again. The leg support locks into place automatically.



Angle-adjustable leg support for short lower leg lengths (option)

- 1) Pull the release strap (similar: see fig. 17).
- 2) Depending on its position after installation, the leg support can be folded down (short lower leg lengths) or up (standard).
 - **Installation for short lower leg lengths:** Hold the edge of the leg support and fold it down (see fig. 18).
 - **Standard installation:** Hold the edge of the leg support and fold it upwards (see the "Standard leg support" section).
- 3) Return the leg support to its original position by folding it up or down. The leg support locks into place automatically.



7.2 Additional options

7.2.1 Headrests

CAUTION

Incorrect head support adjustment

Damage to health due to incorrect head position of the user

- ▶ Mounting kits and head supports may only be mounted and adjusted by qualified personnel.
- ▶ Have the setting of the head support and the tightness of the screw connections checked at regular intervals. Further information is found in the section "Maintenance" (see page 47).
- ▶ If the setting of the head support changes during daily use, have it readjusted again immediately by qualified personnel.

The seating unit can be equipped with head supports that provide additional support for the head for certain indications.

7.2.1.1 Head support pads, adjustable laterally

The horizontal slots in the head support pad adapters (see fig. 19) allow the width of the head area to be adjusted. The option has been preset by qualified personnel.

7.2.1.2 Integrated head support with slight lateral support

Qualified personnel can reduce the width of the head area by gluing foam pads (see fig. 21, item 1) into the head support's side pads (see fig. 20).

Up to three pads with a thickness of **10 mm** each can be glued in on each side. In total, qualified personnel can reduce the width by **60 mm (30 mm each side)**. The option has been preset by qualified personnel.



7.2.1.3 Head support, individually adjustable

⚠ WARNING

Incorrect use of the mounting kit without head support

Severe injury to the user in the cervical spine area

- ▶ Only use the mounting kit in connection with a head support at all times.

Individually adjustable head supports are available for the seating unit. The head supports are supplied with a head support mounting kit and a short back support.

The position of the head supports can be adjusted to the individual user. The option has been preset by qualified personnel.

For more information about the head support, see the enclosed manufacturer's instructions for use.

7.2.2 Positioning belts

⚠ WARNING

Using the belt system or positioning aid as a passenger restraint system in vehicles for transporting persons with reduced mobility is prohibited

Serious injuries due to improper handling of the product

- ▶ Under no circumstances may the belts and positioning aids that come 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 that come with the product are intended only as additional support for the user sitting in the product.

⚠ WARNING**Incorrect application of the belt system/positioning aid**

Strangulation, suffocation due to incorrectly placed positioning 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 support pad when securing the belt system/positioning aid and during use of the product.
- ▶ Do not use positioning belts or positioning aids if the user is able to sit without them.

⚠ CAUTION**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 notice signs of discomfort or fear when using a belt system.
- ▶ 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.

⚠ CAUTION**Improper use**

Falling, user falling out due to improper use

- ▶ The positioning system for the upper body must be put on when getting into the product and always be used in combination with pelvis stabilisation (e.g. lap belt, groin strap) when using the product.
- ▶ Do not open the positioning system for the upper body or the pelvis stabilisation until the user is ready to get out of the product.
- ▶ Do not leave the user unsupervised if their cognitive abilities could lead to unintentional opening of the positioning system.

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

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

7.2.2.1 Lap belts**⚠ WARNING****Excessively tight lap belt**

Throttling, suffocation or strangulation due to sliding forwards 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 in these instructions for use for putting the belt on and adjusting it correctly to avoid hazards for the user.

⚠ CAUTION**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.

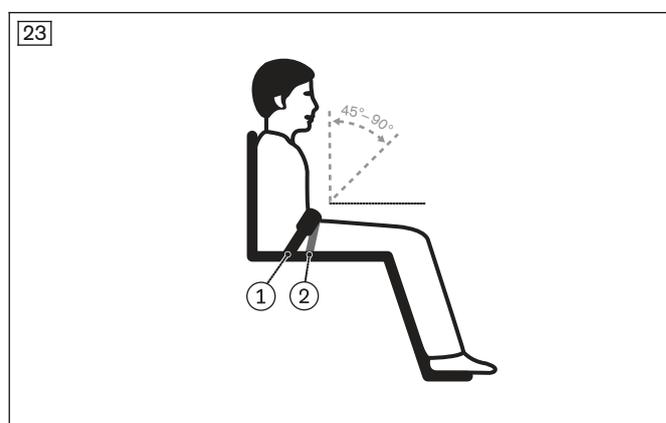
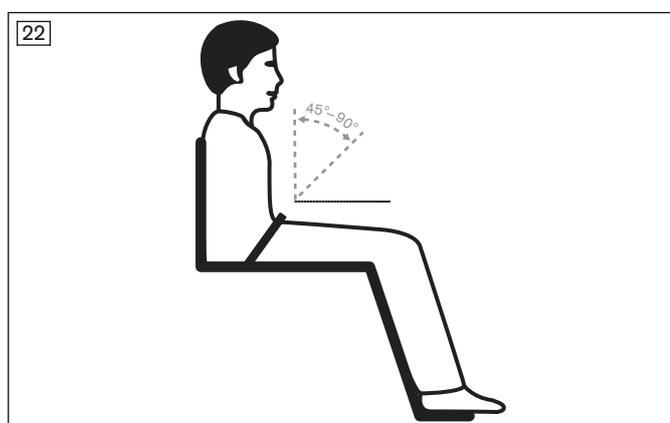
The seating unit can be equipped with a lap belt. It provides additional support for the pelvis and keeps the user from sliding out of the seat.

Instructions for use

- Place the user in an upright, 90° seated position (if physiologically possible).
- Ensure that the back is up against the back support pad (if physiologically possible).
- **Two-point lap belts:** The positioning belt can be at an angle of **45° – 90°** to the seat bottom, depending on the installation situation (see fig. 22).
- **Four-point lap belts:** The positioning belt can be at an angle of **45° – 90°** to the seat bottom, depending on the installation situation (see fig. 23, item 1).
The retaining straps are intended to prevent the positioning belt from slipping. The retaining straps may therefore be installed in front of or behind the positioning belt (see fig. 23, item 2).

Possible errors

- The positioning belt lies above the user's pelvis in the area of the abdominal soft tissue.
- The user is not sitting upright in the seat.
INFORMATION: This does not apply if the user is unable to assume a 90° sitting position.
- If the positioning belt is put on too loosely, the user can shift/slide out to the front.
- During assembly/adjustment, the positioning belt is routed over parts of the seating system (e.g. over forearm supports or seat pads). This causes the lap belt to lose its positioning and retaining function.



7.2.2.1.1 Two-point lap belt with metal buckle, padded

Adjusting the belt

- 1) Pull the belt out of the plastic loop (see fig. 25, item 2).
- 2) Press the belt buckle firmly (see fig. 25, item 1) then pull the belt to the required length.
INFORMATION: Ensure that the belt extends for at least 20 mm beyond the buckle so that it sits securely.
- 3) Secure the loose end of the belt by feeding it through the plastic loop (see fig. 25, item 2).

Using the belt

- 1) Open the belt buckle by pressing the PRESS button (see fig. 24, item 1).
- 2) Sit the user in the seat.
- 3) Press the belt tongue into the buckle until engages audibly.



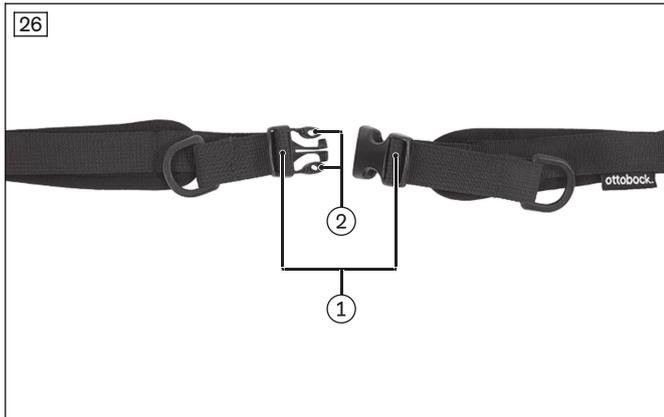
7.2.2.1.2 Two-point lap belt with plastic buckle

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. 26, item 1).
- 2) The length can also be adjusted in the three-slot mounting brackets. Do this by loosening the belt ends in the three-slot mounting brackets, adjusting the length and pulling them tight. For strap placement: see fig. 27.

Using the belt

- 1) To open the belt, press the buckle from above and below (see fig. 26, item 2). Pull the buckle out of the closure.
- 2) Sit the user in the seat.
- 3) Fasten the belt using the buckle so you hear the closure engage.



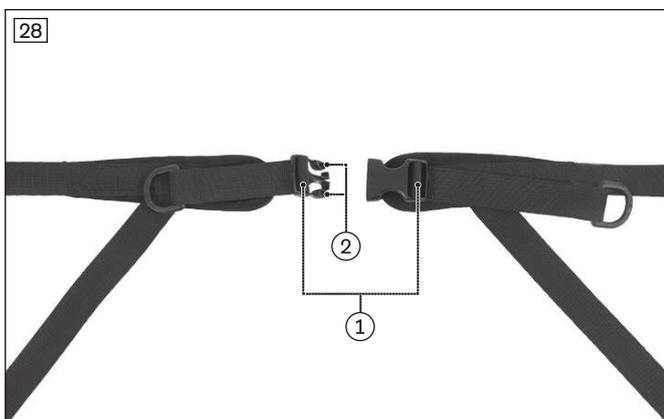
7.2.2.1.3 Four-point lap belt with plastic buckle

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. 28, item 1).
- 2) The length can also be adjusted in the three-slot mounting brackets. Do this by loosening the belt ends in the three-slot mounting brackets, adjusting the length and pulling them tight. For strap placement: see fig. 29.

Using the belt

- 1) To open the belt, press the buckle from above and below (see fig. 28, item 2). Pull the buckle out of the closure.
- 2) Sit the user in the seat.
- 3) Fasten the belt using the buckle so you hear the closure engage.



7.2.2.1.4 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. 30).

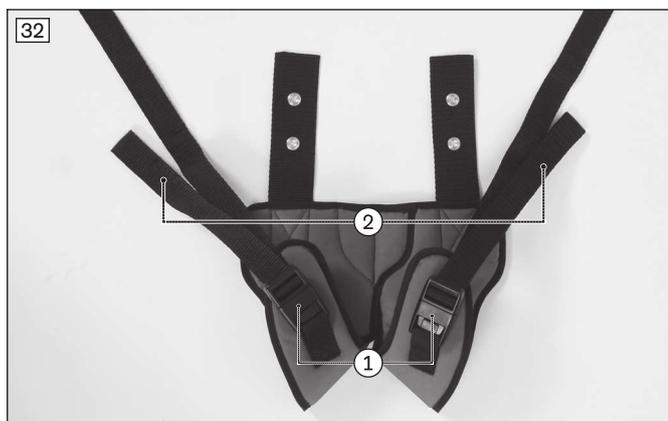
Adjusting the groin strap

The tension of the belt can be adjusted as follows:

- By adjusting the strap length at the two clip buckles on the back of the seat (see fig. 31, item 1).
- By adjusting the strap length at the two buckles on the thigh straps (see fig. 32, item 1).

Putting the groin strap on

- 1) **If necessary:** Open the clip buckles at the back of the seat and pull the thigh straps slightly forward (see fig. 31, item 1).
- 2) Open the two clips (see fig. 32, item 1) on the thigh straps.
- 3) Sit the user down on the groin strap, then pass the thigh straps between the legs and outwards over the thighs (see fig. 30).
- 4) Close the two clips on the thigh straps (see fig. 32, item 1).
- 5) **If necessary:** Pull the belt straps tight in the clip buckles behind the seat (see fig. 31, item 1) and fasten them.
- 6) The length of the thigh straps can be adjusted if necessary by pulling on the free ends of the two straps (see fig. 32, item 2) in the belt buckles.



7.2.2.2 Harness for the upper body

7.2.2.2.1 Four-point belt

⚠ WARNING

Incorrect application of the belt

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

- ▶ The positioning system must fit closely but not too tightly. To avoid injury to the user, it should be possible to slide two fingers comfortably between the positioning system and the upper body.
- ▶ The positioning system is intended to support the area of the upper body from the front. It must be put on and positioned in such a way that the neck and the throat area remain free at all times. Follow the positioning instructions.
- ▶ To put the product on and adjust it correctly, follow the information in these instructions for use so that the user cannot slide into a hazardous position.

The seating unit can be equipped with a four-point belt (see fig. 34). 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

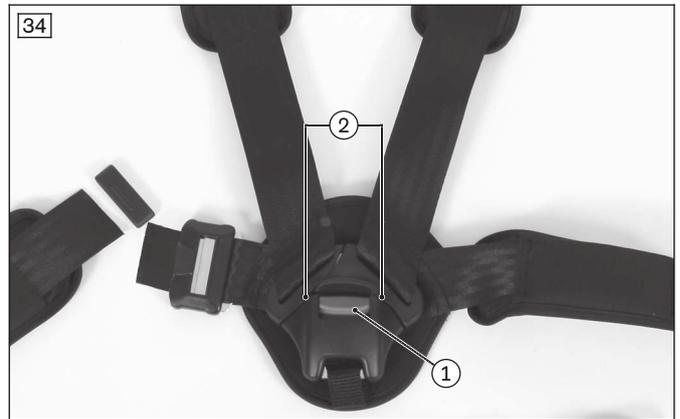
- 1) Adjust the shoulder harness using the clip buckles on the back support (see fig. 33, item 1).
- 2) The lap belt component is adjusted in a similar way to the lap belt (see page 20).

INFORMATION: If the lap belt component is passed under the padding, the back support pad closures must be loosened in order to adjust the belt (see fig. 38).

→ The four-point belt is adjusted correctly when the closed belt buckle lies against the child's abdomen (see five-point belt: see fig. 35).

Using the belt

- 1) To undo the belt, press the red button (see fig. 34, item 1).
- 2) Move the shoulder and lap belts to the side.
- 3) Sit the user in the seat.
- 4) Place the shoulder harness over the shoulders. Pass the lap belt over the pelvis.
- 5) Press the tongues into the belt buckle until they click (see fig. 34, item 2).



7.2.2.2.2 Five-point belt

⚠ WARNING

Incorrect application of the belt

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

- ▶ The positioning system must fit closely but not too tightly. To avoid injury to the user, it should be possible to slide two fingers comfortably between the positioning system and the upper body.
- ▶ The positioning system is intended to support the area of the upper body from the front. It must be put on and positioned in such a way that the neck and the throat area remain free at all times. Follow the positioning instructions.
- ▶ To put the product on and adjust it correctly, follow the information in these instructions for use so that the user cannot slide into a hazardous position.

INFORMATION

Note the instructions for use and possible application errors (see page 24, four-point belts), which apply here too.

The seating unit can be equipped with a five-point belt (see fig. 35). 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

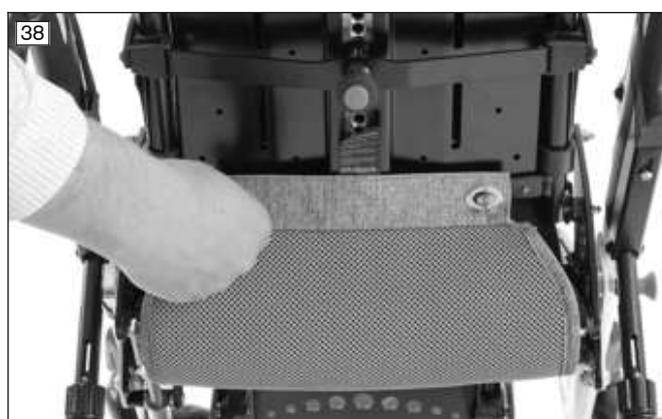
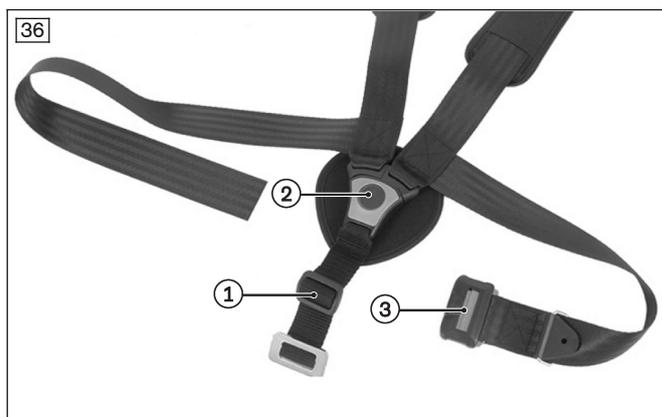
- 1) Adjust the shoulder harness using the clip buckles on the back support as with a four-point belt (see fig. 33, item 1).
- 2) Lengthen or shorten the crotch belt at the belt buckle (see fig. 36, item 1).
- 3) Adjust the lap belt component behind the seat using the adjustment buckle (see fig. 37).

INFORMATION: If the lap belt component is passed under the padding, the back support pad closures must be loosened in order to adjust the belt (see fig. 38).

→ The five-point belt is adjusted correctly when the closed belt buckle lies against the child's abdomen (see fig. 35).

Using the belt

- 1) To undo the belt, press the red button (see fig. 36, item 2). Also open the closure of the lap belt (see fig. 36, item 3).
- 2) Lay down the shoulder and lap belts to the rear. Lay down the crotch belt to the front.
- 3) Sit the user in the seat.
- 4) Place the shoulder harness over the shoulders. Pass the lap belt over the pelvis. Pass the crotch belt over the crotch.
- 5) **Shoulder harness/crotch belt:** Engage the tongues in the belt buckle from the top and bottom (see fig. 36, item 2).
- 6) **Lap belt:** Fasten the closure of the lap belt (see fig. 36, item 3).



7.2.2.2.3 Harness for the upper body

⚠ WARNING

Incorrect application

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

- ▶ Always use the positioning system in combination with properly applied pelvis stabilisation (e.g. lap belt, groin strap) to stabilise the pelvis.
- ▶ The positioning system must fit closely but not too tightly. To avoid injury to the user, it should be possible to slide two fingers comfortably between the positioning system and the upper body.
- ▶ The positioning system is intended to support the area of the upper body from the front. It must be put on and positioned in such a way that the neck and the throat area remain free at all times. Follow the positioning instructions.
- ▶ To put the product on and adjust it correctly, follow the information 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 24, four-point belts), which apply here too.

The seating unit can be equipped with a harness for the upper body that secures the torso in the seat for certain indications (see fig. 39).

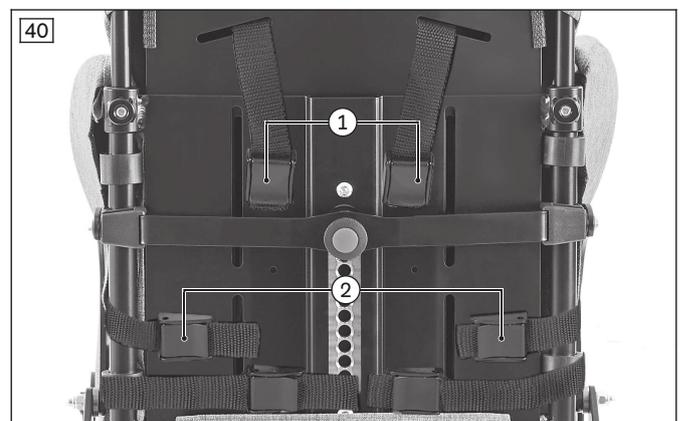
Adjusting the harness for the upper body

The length of the belts and thus the tension of the harness for the upper body can be adjusted using the two pairs of clip buckles at the back of the seat (see fig. 40, item 1/2).

Putting on the harness for the upper body

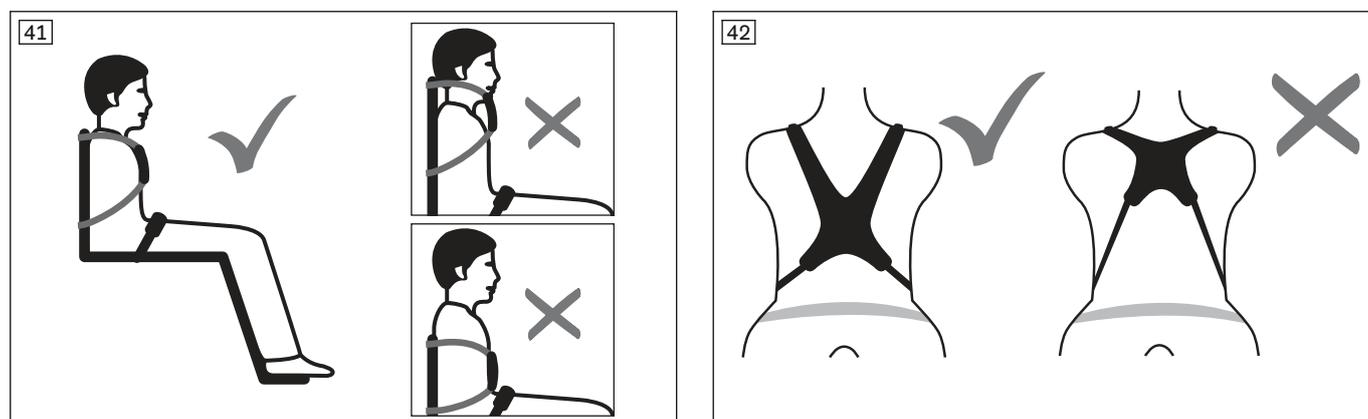
- 1) Before the user is seated, release the closure buckles on the upper straps, which open from the side (see fig. 39, item 1).
- 2) Release the lower straps at the buckles and take off the harness for the upper body (see fig. 39, item 2).
- 3) Sit the user in the seat. Make sure that the user's back is up against the back support pad.
- 4) Pull the harness for the upper body over the head onto the user's upper body.
- 5) Fasten the closure buckles on the upper straps.
- 6) Insert and fasten the buckles on the lower straps.
- 7) **If necessary:** Pull the belt straps tight in the clip buckles behind the seat (see fig. 40, item 1/2) and fasten them. Make sure that the harness for the upper body lies symmetrically on the pelvis.

CAUTION! Ensure that the user's posture in the seat is correct: If the harness for the upper body is too loose, the user may slide forward and adopt an incorrect posture or even slide completely out of the seat. The lower straps of the harness must be level with the hip bone on both sides (also see the following notes regarding use).



Instructions for use

- Place the user in an upright, 90° seated position (if physiologically possible).
- Ensure that the back is up against the back support pad (if physiologically possible).
- Note the correct height adjustment of the back support on the product. The top of the back support must be at the height of the shoulders (see fig. 41).
- The positioning system is intended to support the area of the upper body (sternum) from the front. The upper and lower harness straps have to be adjusted as needed.
- Ensure that the positioning system is not too close to the throat (see fig. 42). Otherwise, the upper harness 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 tissues of the abdomen (too low).
- The user's hips are not secured with separate pelvis stabilisation.
- If the positioning system is too loose, the user can shift forward/slide down.
- The positioning system collides with devices, accessories or supply hoses during installation and adjustment, restricting their functionality.

7.2.2.2.4 Positioning vest

⚠ WARNING

Incorrect application

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

- ▶ Always use the positioning system in combination with properly applied pelvis stabilisation (e.g. lap belt, groin strap) to stabilise the pelvis.
- ▶ The positioning system must fit closely but not too tightly. To avoid injury to the user, it should be possible to slide two fingers comfortably between the positioning system and the upper body.
- ▶ The positioning system is intended to support the area of the upper body from the front. It must be put on and positioned in such a way that the neck and the throat area remain free at all times. Follow the positioning instructions.
- ▶ To put the product on and adjust it correctly, follow the information 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.

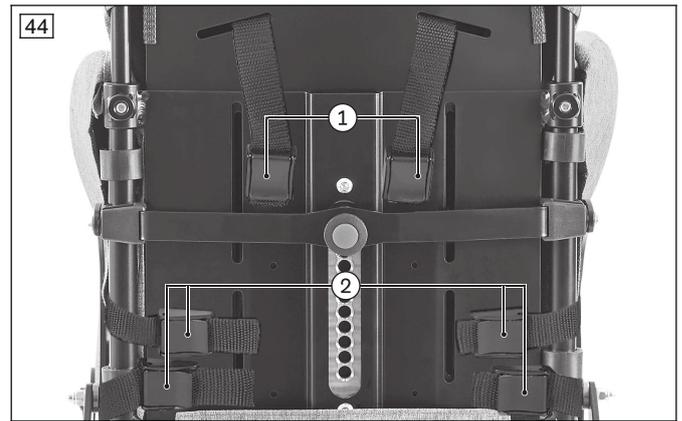
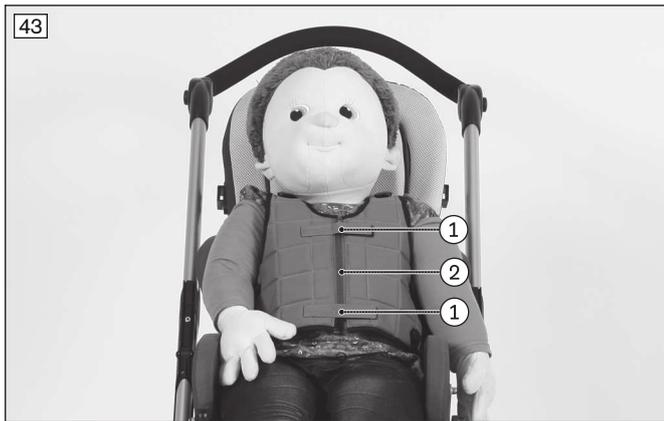
INFORMATION

Note the instructions for use and possible application errors (see page 24, four-point belts), which apply here too.

The seating unit can be equipped with a positioning vest that secures the torso in the seat for certain indications (see fig. 43). It does not provide any support for the pelvis.

Adjusting the positioning vest

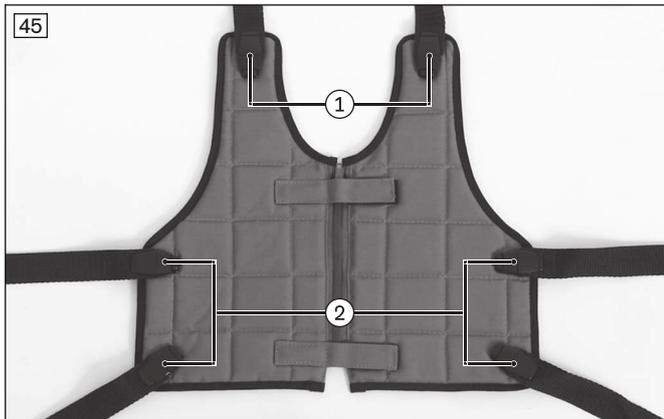
The length of the belts and thus the tension of the positioning vest can be adjusted using the clip buckles at the back of the seat (see fig. 44, item 1/2).



Putting the positioning vest on

- 1) Undo the hook-and-loop closures above the zip fastener (see fig. 43, item 1).
- 2) Open the zip fastener (see fig. 43, item 2).
- 3) **If necessary:** Before putting the user into the seat, unfasten the clip buckles at the back of the seat (see fig. 44, item 1/2) and pull the straps of the positioning vest forward somewhat.
- 4) Sit the user in the seat. Make sure that the user's back is up against the back support pad.
- 5) Close the zip fastener (see fig. 43, item 2).
- 6) **If necessary:** Tighten the upper and side straps in the clip buckles at the back of the seat and fasten them (see fig. 44, item 1/2).
- 7) Close the hook-and-loop closures over the zip fastener (see fig. 43, item 1).

INFORMATION: In daily use, the positioning vest can also be put on or taken off by opening and closing the clips on the front of the vest (see fig. 45, items 1 and 2).



7.2.3 Positioning aids

⚠ WARNING

Using the belt system or positioning aid as a passenger restraint system in vehicles for transporting persons with reduced mobility is prohibited

Serious injuries due to improper handling of the product

- ▶ Under no circumstances may the belts and positioning aids that come 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 that come with the product are intended only as additional support for the user sitting in the product.

⚠ WARNING**Incorrect application of the belt system/positioning aid**

Strangulation, suffocation due to incorrectly placed positioning 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 support pad when securing the belt system/positioning aid and during use of the product.
- ▶ Do not use positioning belts or positioning aids if the user is able to sit without them.

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

The seating unit can be equipped with positioning systems.

7.2.3.1 Thoracic supports (lateral 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. 46; folding thoracic pad: see fig. 47).

The option has been preset by qualified personnel.

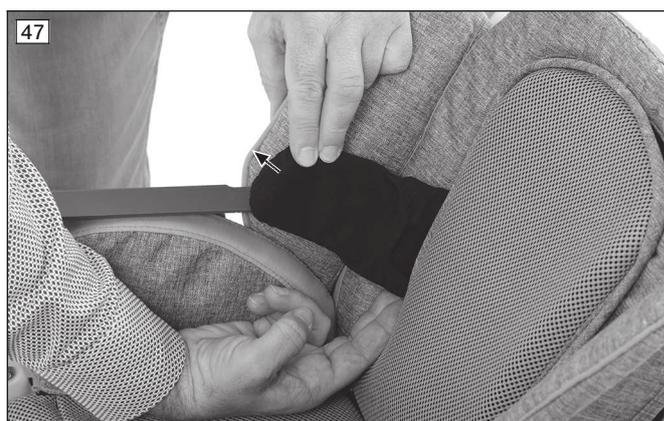
Folding the thoracic pads (folding thoracic support version only)

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

- 1) Push the red release button (see fig. 47).

INFORMATION: Depending on the installation, the red release button may point either downwards or upwards.

- 2) Push the pad outwards.
- 3) After getting in or out, move the pad back until it engages.

**7.2.3.2 Abductor**

The seating unit can be equipped with an abductor (see fig. 48) 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.



7.2.3.3 Neck support

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



7.2.3.4 Lumbar support pad

The shaped padding offers additional support for the lumbar spine.
The option has been positioned and fastened below the seat padding by qualified personnel.



7.2.3.5 Hook-and-loop foot straps

The seating unit can be equipped with hook-and-loop foot straps that secure the feet firmly on the leg support for certain indications (see fig. 52).

Using the hook-and-loop foot straps

- 1) Undo the hook-and-loop closure.
- 2) Place the foot on the leg support.
- 3) Pass the strap tightly around the shoe and fasten the hook-and-loop closure.



7.2.4 Padding

Information on taking off and putting on the padding and covers is provided in the section "Care" (see page 44; see page 45).

7.2.5 Grab rail

⚠ CAUTION

Improper lifting by attendants

User tipping over or falling due to lifting by removable components

- ▶ The grab rail must not be used to lift the product.

INFORMATION

Note that only one of the following options may be used at one time as they all attach to the same adapter on the seat:

- Grab rail
- Arm supports, standard
- Tray

For certain indications, the seating unit can be equipped with a grab rail that prevents the user from falling forwards out of the seat.

The grab rail can be removed to make getting into the product easier.

Removing the grabrail

- 1) Push in the release buttons to release the tripod springs (see fig. 54, item 1).
- 2) Pull the grabrail up and out (see fig. 54, item 2).

Attaching the grabrail

- 1) Insert the grabrail into the guides.
- 2) Press in the first release button and push the grabrail down slightly. Then repeat this process on the opposite side of the grabrail (see fig. 53).
- 3) Press the grabrail down until the tripod springs engage behind the release buttons (see fig. 54, item 2).



7.2.6 Armrests

⚠ CAUTION

Improper lifting by attendants

User tipping over or falling due to lifting by removable components

- ▶ The arm supports must not be used to lift the product.

INFORMATION

Note that only one of the following options may be used at one time as they all attach to the same adapter on the seat:

- Grab rail
- Arm supports, standard
- Tray

For certain indications, the seating unit can be equipped with arm supports on which the arms can be rested.

7.2.6.1 Standard arm supports

Detaching and attaching the standard arm supports

The standard arm supports (see fig. 55) are attached and detached in the same way as the grabrail (see page 31).



7.2.6.2 Adjustable arm supports

Adjusting the adjustable arm supports

a) Adjusting the height

- 1) Lift the padding underneath the arm support to the side (see fig. 56, item 1).
- 2) Loosen the mounting screws (see fig. 56, item 2).
- 3) Adjust the height of the arm support (see fig. 56, item 3).
- 4) Tighten the mounting screws (see fig. 56, item 2).

b) Adjusting the depth

- 1) Remove the arm support covers.
- 2) Loosen the wing nuts (see fig. 57, item 1).
- 3) Adjust the arm support horizontally (see fig. 57, item 2).
- 4) Tighten the wing nuts and attach the arm support pad.



7.2.7 Tray

⚠ WARNING

Product catching fire

Burns due to user error

- ▶ The product is flammable. The possibility that it may catch fire if exposed to an ignition source cannot be excluded. Therefore, the utmost caution must be exercised in the vicinity of an open flame.
- ▶ Keep away from all ignition sources.

⚠ CAUTION**Improper adjustment**

Crushing or pinching due to adjustments which are too tight

- ▶ Do not pinch the user when sliding in the product.

⚠ CAUTION**Driving with objects on the tray top**

Injuries due to unsecured objects

- ▶ Remove all objects from the tray top prior to travelling.

⚠ CAUTION**Improper lifting by attendants**

Tipping over, user falls due to lifting by removable components

- ▶ The product must not be lifted by the tray.

NOTICE**Overloading**

Damage to the product due to user error

- ▶ Do not load the tray with heavy objects.
- ▶ No persons may sit or lean on the tray.

INFORMATION

Note that only one of the following options may be used at one time as they all attach to the same adapter on the seat:

- Grab rail
- Arm supports, standard
- Tray

INFORMATION

Note that the tray may only be used when the seat is facing the direction of travel.

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.

The maximum allowable load on the tray is **3 kg**.

Attaching the tray

- 1) **If necessary:** Remove the grabrail.
- 2) Sit the user in the seating system.
INFORMATION: If adjustable arm supports are being used, set them to their lowest height. For information on adjusting the arm support height: see page 31.
- 3) Insert the tray into the adapters.
- 4) Press in the tripod springs on the left and right sides of the tray (see fig. 58, item 1).
- 5) Press the tray down until the tripod springs behind the release buttons engage (see fig. 58, item 2).
- 6) Push the release buttons and let the tray slide down until the bushings rest on the retainer (see fig. 58, item 3).

Removing the tray

- 1) Remove all objects from the tray.
- 2) Pull the tray up until the tripod springs behind the release buttons engage (see fig. 58, item 2).
- 3) Push the release buttons in (as with the grabrail, see page 31: see fig. 53).
- 4) Pull the tray out and up.

Adjusting the position of the tray**a) Adjusting the height**

- 1) Loosen the Allen screws of the bushings on the frame using a size 4 Allen key (see fig. 58, item 3).

- 2) Adjust the height of the bushings. To do so, slide both sides of the frame upwards in parallel to the desired height. When tightening, the bushings with frame must be positioned on the retainers at the desired height.
- 3) Tighten the Allen screws.

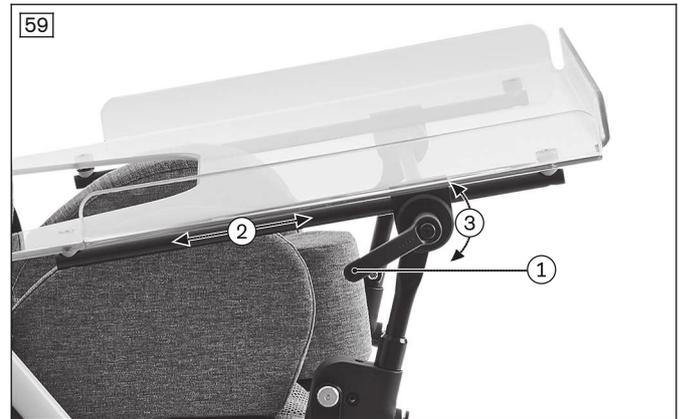
b) Adjusting the depth

- 1) Release the clamping lever under the tray (see fig. 59, item 1).
- 2) Slide the tray horizontally to the desired position (see fig. 59, item 2).
- 3) Tighten the clamping lever.

CAUTION! Do not pinch the user when sliding the product in. Ensure that the user's arms rest on the tray and that the round cutout at the front does not press against the user's body.

c) Adjusting the angle

- 1) Release the clamping lever under the tray (see fig. 59, item 1).
- 2) Rotate the tray to the desired angle (see fig. 59, item 3).
- 3) Tighten the clamping lever.



7.2.8 Canopy

CAUTION

Exposed pinch points

Crushing, pinching due to incorrect handling

- ▶ When folding the back support up or down, grasp only the specified components.

NOTICE

Improper use of the canopy

Damage to the fabric due to user error

- ▶ Always remove the canopy before folding the rehab buggy so that it does not get folded up as well.
- ▶ Remove the canopy from the rehab buggy if it is stored for a long period to protect it from damage.

The seating unit can be equipped with a canopy to protect the user from sun or rain (see fig. 60).

Installing the canopy

- 1) Bring the back support into the upright position.
- 2) Position the snap-in tongues on the canopy (see fig. 61, item 2) in parallel.
- 3) Push the snap-in tongues into the buckles (see fig. 61, item 1) until they click audibly into place (see fig. 61, item 2).

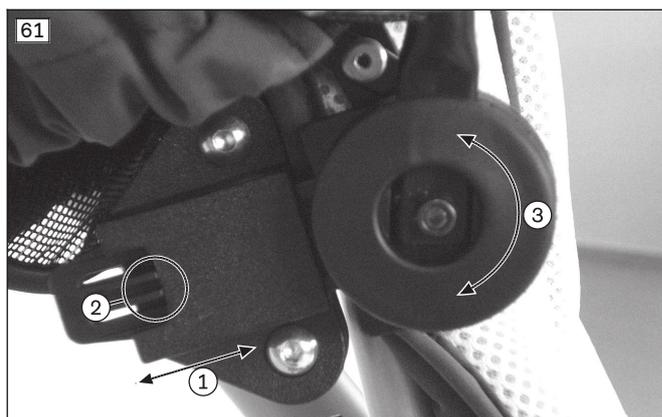
Adjusting the angle of the canopy

- 1) Fold up the canopy.
- 2) Hold the canopy by the front support and push or pull the canopy to the desired angle. The hinge locks into place automatically (see fig. 61, item 3).

Removing the canopy

- 1) Bring the back support into the upright position.
- 2) Press gently on the snap-in tongues on the canopy (see fig. 61, item 2) and release them from the buckle.

3) Pull the snap-in tongues out and remove the canopy.



Special features of the canopy

- Opening the viewing window allows permanent visual contact with the child (see fig. 62, item 1).
- Removing the back section improves ventilation (e.g. in summer heat; see fig. 63).
- The rain cover can be stored in the canopy's side pocket (see fig. 65).



7.2.9 Rain cover

NOTICE

Incorrect attachment

Damage to product due to incorrect installation

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

The seating unit can be equipped with a rain cover that protects the user from getting wet (see fig. 64). The rain cover can be stored in the canopy's side pocket (see fig. 65).

Using the rain cover

- 1) Take the rain cover out of the canopy's side pocket (see fig. 65, item 1).
- 2) Put the rain cover on over the canopy and the leg support. Make sure that the air intake is open and positioned in front of the user's nose.



7.2.10 Rain cape

- 1) With the zip open, pull the hood over the child's head.
- 2) Pass the top edge over the back support and feed the bottom edge around the leg support.

7.2.11 Summer/winter slip sack

NOTICE

Incorrect attachment

Damage to product due to incorrect installation

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

The seating unit can be equipped with a slip sack (see fig. 66). The winter insert provides warmth and can be attached or removed using buttons.

Attaching the slip sack

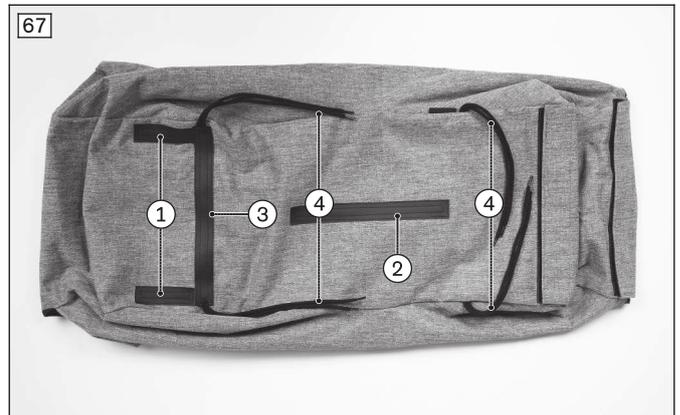
- 1) Place the slip sack in the seating unit.
- 2) If needed, pass the lap belt (see fig. 67, item 1), the pommel or five-point belt (see fig. 67, item 2), or the groin strap (see fig. 67, item 3) through the openings underneath the slip sack.
- 3) Fasten the attachment cords (see fig. 67, item 4) as appropriate:
 - Rear: e.g. on the back support insert (see fig. 68)
 - Front: e.g. on the leg support tube (not illustrated)

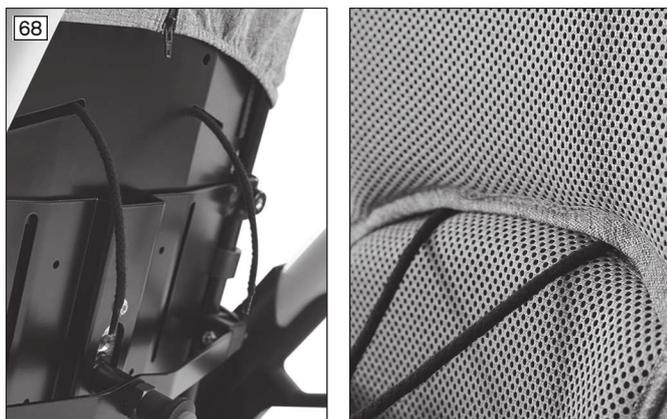
Using the slip sack

- 1) **If necessary:** Attach or remove the winter insert using the buttons.
- 2) Open the zip fastener and place the user inside.
- 3) Close the zip fastener and the closures.

Cleaning the slip sack

- 1) Remove the slip sack.
- 2) Clean the slip sack. Always read the care instructions on the labels.





7.2.12 Nappy bag

⚠ CAUTION

Loss of stability

Tipping, falling due to additional objects on the product

- ▶ Never exceed the maximum load of the outdoor mobility base with the use of this accessory for a medical device. Observe the notes in the section "Technical data" (see page 48). An excessive load on the push bar can negatively influence the tip resistance.
- ▶ Check the tip resistance each time after loading the nappy bag. To do so, hold the product by the push bar with both hands.

The nappy bag is primarily intended to hold items for the child.

To attach it, pass the flap around the push bar and fasten the press buttons (see fig. 69, item 1).



7.2.13 Seat depth reducer

The seat depth reducer allows the seat depth of the size 1 seating unit to be reduced by **50 mm** to **140 mm**.

If the seat depth needs to be increased, the seat depth reducer can be removed. To do this please contact the qualified personnel who adjusted the product.



7.2.14 Incontinence cover

The incontinence cover (see fig. 71) protects the seating unit's padding. The incontinence cover can be removed for washing.



Attaching the incontinence cover

- 1) Detach the seat pad and the back support pad from the seating unit (see page 44).
- 2) Undo all the hook-and-loop straps on the incontinence cover (see fig. 72).
- 3) Place the seat pad in the incontinence cover.
- 4) Attach the incontinence cover to the back support pad:
 - Lay the back support pad on the incontinence cover (see fig. 73).
 - Guide the lower 3 hook-and-loop straps around the back support pad and fasten them together (see fig. 74, item 1).
 - Thread the vertical hook-and-loop straps through the back support pad (see fig. 74, item 2).
- 5) Attach the back support pad to the seating unit:
 - Pull the top of the back support pad over the back support.
 - Guide the vertical hook-and-loop straps backwards over or through the back support (see fig. 75, item 1).
 - Guide the upper horizontal hook-and-loop strap around the back support and fasten it (see fig. 75, item 2). The vertical hook-and-loop straps must be held in place by the horizontal hook-and-loop strap (see fig. 75, item 3).
- 6) Guide the back support pad underneath the back support and secure it at the eyelets with the twist lock (see page 44).



Removing and cleaning the incontinence cover

- 1) Detach the seat pad and the back support pad from the seating unit (see page 44).
- 2) Detach the incontinence cover from the seat pad and set it aside.
- 3) Remove the incontinence cover from the back support pad. To do so, open all the hook-and-loop straps and detach the incontinence cover from the back support pad.
- 4) Wash the incontinence cover in accordance with the washing symbols on the care label.

INFORMATION: Before washing, close the straps so the entire hook-and-loop surface of the straps is covered.

7.2.15 Seat insert, small

The seat insert provides very small children with better support in the seating unit (see fig. 76). The seat insert can be removed for washing. Before washing the insert, close the attachment straps.



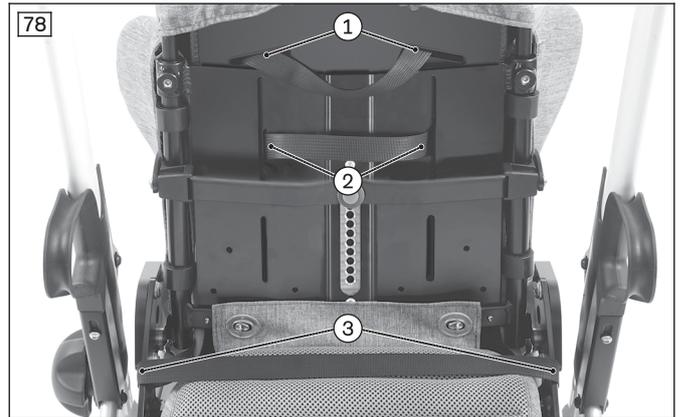
Attaching the seat insert

- 1) Place the seat insert within reach. Undo all the attachment straps.
- 2) Place the seat insert on the seat pad and back support pad (see fig. 77).
- 3) Pass the attachment straps through the back support (see fig. 78):

- Pass the upper strap 2x through the upper horizontal slots in the back support (see fig. 79, see fig. 78, item 1). Close the belt buckle.
- Pass the middle strap 2x through the upper vertical slots in the back support (see fig. 78, item 2). Close the belt buckle.
- Pass the lower strap 2x through the inner, round holes on the (seat) frame (see fig. 80, item 1; see fig. 78, item 3). Close the belt buckle.

Removing and cleaning the seat insert

- 1) Open the belt buckles on the seat insert attachment straps.
- 2) Remove the seat insert from the seat base.
- 3) Close the belt buckles on the seat insert.
- 4) Wash the seat insert according to the washing symbols on the care label.



7.3 Disassembly and transport

CAUTION

Exposed pinch points

Crushing, pinching due to incorrect handling

- ▶ When folding the back support up or down, grasp only the specified components.

NOTICE

Deformation when folded

Damage to the product, problems unfolding due to unallowable loads

- ▶ Never place heavy objects on the folded product.

INFORMATION

- ▶ In vehicles, transport the product separately from the outdoor mobility base.
- ▶ 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 for further information. The manufacturer recommends contacting the airline directly before every flight to obtain information regarding special transport regulations.

The seating unit has to be detached from the outdoor mobility base for transport (see page 13).

The instructions for use for the Kimba outdoor mobility bases (reference number: 647H1655=*) explain how to fold up and unfold the outdoor mobility base.

7.4 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 personal restraint systems installed 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 the Kimba outdoor mobility base.
- ▶ 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=*.
- ▶ Never transport more than one person in the product.
- ▶ The product may be used in vehicles for transporting persons with reduced mobility only with the seat facing in the direction of travel.
- ▶ The product may be used in vehicles for transporting persons with reduced mobility only with the seating unit locked horizontally and the back support locked in the upright position.
- ▶ Please note that you must always remove certain options before using the product in a vehicle for transporting persons with reduced mobility (see page 42).

⚠ 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

- ▶ The maximum user weight in the Kimba seating unit is limited to **40 kg** during use in a vehicle for transporting persons with reduced mobility.

⚠ WARNING

Using the belt system or positioning aid as a passenger restraint system in vehicles for transporting persons with reduced mobility is prohibited

Serious injuries due to improper handling of the product

- ▶ Under no circumstances may the belts and positioning aids that come 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 that come with the product are intended only as additional support for the user sitting in the product.

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.

7.4.1 Using the product in a vehicle

The product may be used for seating in a vehicle for transporting persons with reduced mobility provided that suitable personal restraint systems are used. The positioning belts and positioning aids offered by the manufacturer provide only additional stability for the person sitting in the product.

For more information about using the seating unit in a vehicle for transporting persons with reduced mobility, see the Kimba outdoor mobility base instructions for use (reference number: 647H1655=*).

7.4.2 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 (see page 24), harness for the upper body (see page 26), positioning vest (see page 27).

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.

7.4.3 Important information

The following important information is contained in the instructions for use for the Kimba outdoor mobility base:

- Adjusting the seating unit
- Adjusting and securing the seat angle (seat tilt)
- Adjusting and securing the back support angle
- Securing the product in a vehicle
- Securing the user in the product

7.5 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.

INFORMATION

Take note of the washing and care instructions on the sewn-in labels on the fabric covers and other textile parts of the product.

7.5.1 Cleaning

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

To avoid contamination with germs, clean seat cushions and back support upholstery whenever they get soiled.

7.5.1.1 Cleaning by hand

- 1) Remove the pads and covers (see page 44, see page 45) and separate the covers from the pads.
- 2) Wipe the covers and pads with a damp cloth. Allow to dry.
- 3) **If needed:** Wash covers made from spacer fabrics at max. **40 °C**.

INFORMATION: The covers may also be washed in a washing machine if they are put in a washing bag or pillowcase.

Important information on cleaning

- 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.

7.5.1.2 Cleaning in a washing chamber

- 1) Remove the pads and covers (see page 44, see page 45). Follow the washing instructions for each article (see page 43).
- 2) Wash the seating unit at a maximum temperature of **60 °C** and for no longer than **10 minutes**.
- 3) **If needed:** Remove all components in which water has accumulated.
- 4) Allow the seating unit to dry. To allow the water to drain, lay the sitting unit with the front side facing down.
INFORMATION: We recommend drying with compressed air.
- 5) **If needed:** Reinstall all components that were removed.
- 6) Before reusing or storing the seating unit, check that it is dry. Wipe wet components with a cloth.
- 7) 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.

7.5.1.3 Cleaning belts/straps

Cleaning a belt system with metal closure

INFORMATION

Observe the washing recommendations on the product and the information in the corresponding instructions for use provided for the product.

- Straps with metal closures **may not be washed in the washing machine** as the penetration of water could cause corrosion and subsequent malfunctions.
- Clean the belt straps by gently dabbing them with warm soapy water (with some disinfectant) or carefully wipe with a dry, clean, absorbent cloth.

Cleaning a belt system with plastic closure

- Depending on the model, belts/straps with plastic buckles can be washed in the washing machine between **40 °C** and **60 °C**.
- **Recommendation:** Use a laundry bag or net and mild detergent.
- Alternatively, the belt straps can be cleaned by gently dabbing them with warm soapy water (with some disinfectant) or carefully wiped with a dry, clean, absorbent cloth.

Additional cleaning instructions

- Allow the belts to air dry. Ensure that the belts and pads are completely dry before installation.
- Do not expose the belts to direct heat (e.g. sunshine, stove or radiator).
- Do not iron or bleach the belts.

7.5.1.4 Detaching and attaching pads

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

7.5.1.4.1 Detaching/attaching the seat pad

Detaching the seat pad

- 1) Disengage the rubber bands on the left and right sides of the leg support (see fig. 81, item 2).
- 2) Lift the pad and release it from the hook-and-loop fasteners.
- 3) Remove the pad (see fig. 82).

Attaching the seat pad

- 1) Attach the pad with the hook-and-loop fasteners (see fig. 82).
- 2) Push the seat pad under the supports at the sides (see fig. 81, item 1).
- 3) Attach the rubber bands on the left and right sides of the leg support (see fig. 81, item 2).



7.5.1.4.2 Detaching and attaching the back support pad

INFORMATION

The manufacturer offers an appropriate back support pad for each back support type:

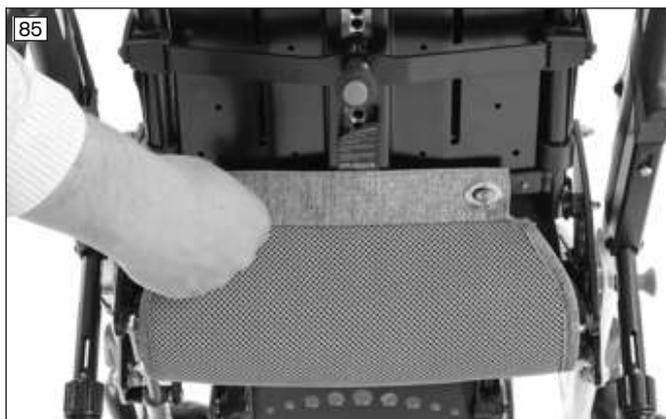
- ▶ High back support (see fig. 83)
- ▶ High back support with integrated head support (see fig. 84)
- ▶ Short back support with individually adjustable head supports (see page 19)

Detaching the back support pad

- 1) Release the twist lock for the pad behind the seat bottom (see fig. 85).
- 2) Open the zip fastener (see fig. 86) on the pad and remove the back support pad.

Attaching the back support pad

- 1) Place the pad in position and pull the lower end through between the back support and the seat bottom.
- 2) **With thorax or lateral head supports:** Guide the supports through the slits at the sides of the pad.
- 3) Attach the eyelets and close the twist lock (see fig. 85).
- 4) Push the pad under the supports at the sides (not illustrated).
- 5) Close the zip on the pad (see fig. 86).



7.5.1.5 Detaching/attaching the covers

7.5.1.5.1 Detaching and attaching the covers of the pads and pommel

INFORMATION

The manufacturer offers covers for the following components:

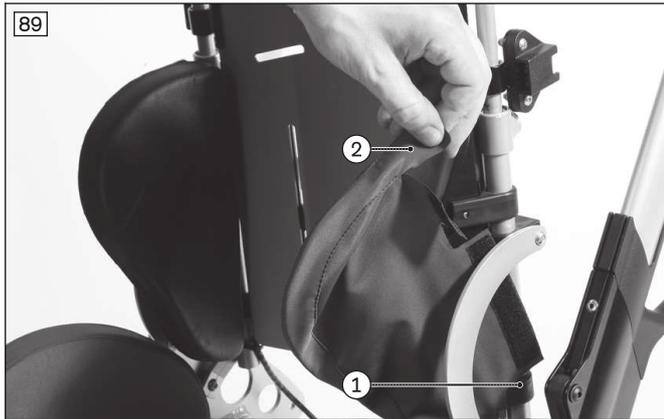
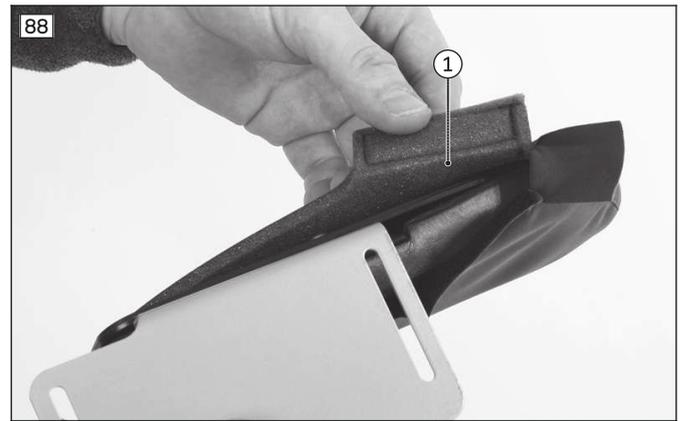
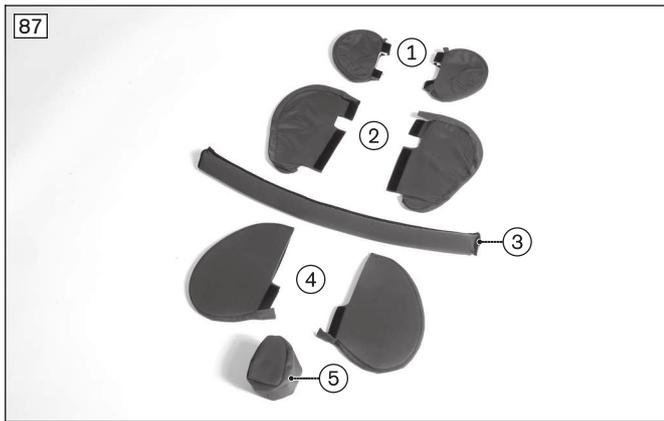
- ▶ Lateral head supports (see fig. 87, item 1)
- ▶ Lateral supports (see fig. 87, item 2)
- ▶ Thoracic supports (see fig. 87, item 1)
- ▶ Grabrail (see fig. 87, item 3; replacement see page 46)
- ▶ Hip supports (see fig. 87, item 4)
- ▶ Pommel (see fig. 87, item 5)
- ▶ Adjustable arm supports (not illustrated)

Detaching the cover

- 1) Remove the pads if necessary (see page 44).
- 2) Undo the hook-and-loop closure on the cover.
- 3) Remove the cover from the pad or pommel.

Attaching the cover

- 1) **Covers with foam reinforcement on one side:** Guide the cover over the pad so the foam-reinforced side of the cover (see fig. 88, item 1) is **on the outside of the pad** where the screw heads are located.
- 2) Pull the end of the cover without a tab (see fig. 89, item 1) over the pad first.
- 3) Pull the cover with the tab over the pad (see fig. 89, item 2).
- 4) Fold the tab in and fasten the hook-and-loop closure (see fig. 90).
- 5) Attach the pads (see page 44).



7.5.1.5.2 Detaching and attaching the grab rail cover

Detaching the grab rail cover

- 1) Pull the grab rail up and out (see fig. 91).
- 2) Detach the pad from the grab rail.

Attaching the grab rail cover

- 1) Slide the pad onto the grab rail.
- 2) Attach the grab rail (see page 31).



7.5.2 Disinfection

- 1) Thoroughly clean the pads before disinfecting.
- 2) Wipe all parts of the product with a disinfectant.

Important information about disinfecting

- Only use colourless water-based disinfectants. Follow the instructions for use provided by the disinfectant manufacturer.

- Thoroughly clean the padding and handles before disinfecting.

8 Maintenance and repair

8.1 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 section "Maintenance intervals").
- Failure to maintain the product can lead to injuries for the user of the product.

8.1.1 Maintenance intervals

Check the following functions at the specified intervals. The user must not be sitting in the seating unit while maintenance tasks are being performed:

Component	Activity	Before each use	Weekly	Monthly
Seating unit	Check the attachment to the outdoor mobility base/seating shell mobility base			X
	Verify locking of the back support angle adjustment	X		
Leg support	Check for damage			X
	Check the leg support and the angle adjustment mechanism for stability			X
	Check the protective edge band for damage			X
Adapters for optional features	Check adapters for damage			X
Pads/belts	Check the condition of the pads			X
	Check the belts for damage		X	
	Check belt buckle function	X		
Product	Check the legibility of all labels and labelling on the product			X

8.2 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.

9 Disposal

9.1 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 Legal information

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

10.1 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.

10.2 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.

10.3 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.

11 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°**.

Kimba seating unit	Size 1	Size 2
Seat width [mm]	200 – 300	260 – 350
Seat depth [mm]	190 ¹⁾ – 310	240 – 400
Back support height [mm]	410 – 610	560 – 700
Back support height (when using individually adjustable head supports, the dimensions given for the back support do not include the head supports) [mm]	315 – 455	390 – 560
Back support angle [°]	80 – 180 ^{2) 3) 4)}	80 – 180 ³⁾
Height of shoulder harness slots (min./max.) [mm]	250/450	360/500
Width of shoulder harness slots [mm]	50	50
Lower leg lengths [mm]:		
• Standard and angle-adjustable leg support	190 – 310	200 – 370
• Angle-adjustable leg support for short lower leg lengths	120 – 190	– ⁵⁾
Max. user weight [kg] ^{6) 7)}	40 ⁸⁾	40
Max. user weight for use in vehicles for transporting persons with reduced mobility [kg] ⁹⁾	40 ⁸⁾	40
Weight (with pads) [kg]	7.5	9.5
Folding size with hip supports (LxWxH) ¹⁰⁾ [mm]	580x370x420	590x430x580

¹⁾ From **140 mm** with seat depth reducer option.

²⁾ With seat depth reducer option: **80°–160°**.

³⁾ With back support angle limiter option: **80°–130°**.

- 4) May be limited by the push bar setting on the Kimba Home mobility base (470G71=900* Kimba).
- 5) This leg support is offered only for size 1.
- 6) **Please note:** The maximum user weight for the seating unit depends on the maximum load for the outdoor mobility base/seating shell mobility base that is being used. If the maximum user weight for the seating unit **plus** its own weight is greater than the maximum load for the outdoor mobility base/seating shell mobility base, the maximum allowable user weight for the seating unit is reduced accordingly.
- 7) The following applies 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** (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 for a medical device and the weight in the storage basket.
 - If the seat has a lower load, the storage basket can be loaded with up to **15 kg**. Always comply with the maximum total load.
- 8) When using the “angle-adjustable leg support for short lower leg lengths”, the maximum user weight is **35 kg**.
- 9) Follow the instructions in the section “Use in vehicles for transporting persons with reduced mobility”.
- 10) The actual folding size depends on the type of back support insert installed and the back support height adjustment.

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 Appendices

12.1 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.

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 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)

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