



Kimba

EN Instructions for use (qualified personnel) 3

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EN

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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.
- ▶ Instruct the user in the safe use of the product.
- ▶ Please contact the manufacturer 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.

Initial adjustments to the product were made according to the order form. Nevertheless, fine adjustments and settings may have to be made depending on the medical situation or the user's requirements.

These instructions for use provide the information necessary for adjusting the settings. This work should be closely coordinated with the user.

Please note the following:

- The instructions for use (qualified personnel) are intended only for qualified personnel and remain with them.
- The manufacturer recommends checking the product settings regularly in order to assure an optimum fit over the long term. A review is required every six months for children and youths in particular.
- The manufacturer reserves the right to make technical changes to the model described in these instructions for use.

2 Intended use

2.1 Indications for use

For additional information about the indications for use, see the instructions for use (user).

The operational safety of the product can only be ensured in case of intended use in accordance with the information contained in these instructions for use (qualified personnel) and in the instructions for use (user). The user is ultimately responsible for accident-free operation.

2.2 Indications, contraindications




See the instructions for use (user) for more information about indications and contraindications.

2.3 Qualification

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

3 Safety

3.1 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.

3.2 General safety instructions

CAUTION

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

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

NOTICE

Tipping or falling of the product
 Damage to product due to lack of attachment

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

3.3 Further information

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 6).

3.4 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 Delivery

4.1 Scope of delivery

- Multifunctional seating unit (standard option)
- Options according to the order
- Instructions for use (user)
- Instructions for use for accessories (depending on equipment)

4.2 Options

The functionality and operation of the options are described in more detail in the instructions for use (user). All of the available options/accessories are listed on the order form.

4.3 Storage

Store the product in a dry, enclosed room with sufficient air circulation and protection from external influences. Specific information about storage conditions: see page 38.

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.

5 Preparing the product for use

5.1 Assembly

5.1.1 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.

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.

INFORMATION

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

a) Setting the direction the seating unit faces

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

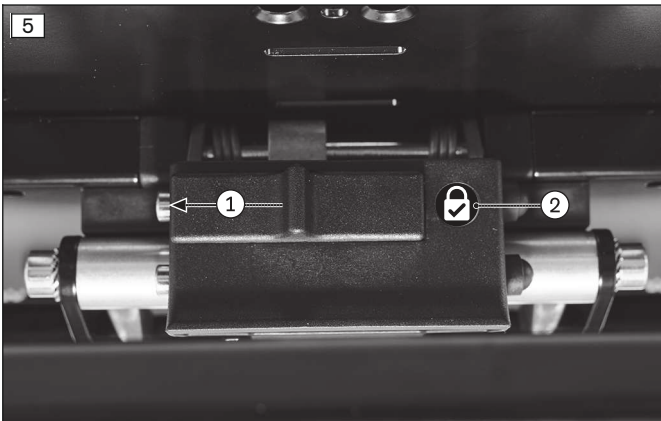
- In the direction of travel (see fig. 1, example for Kimba outdoor mobility base)
- Opposite to the direction of travel (see fig. 2, example for Kimba outdoor mobility base)



b) Attaching the seating unit

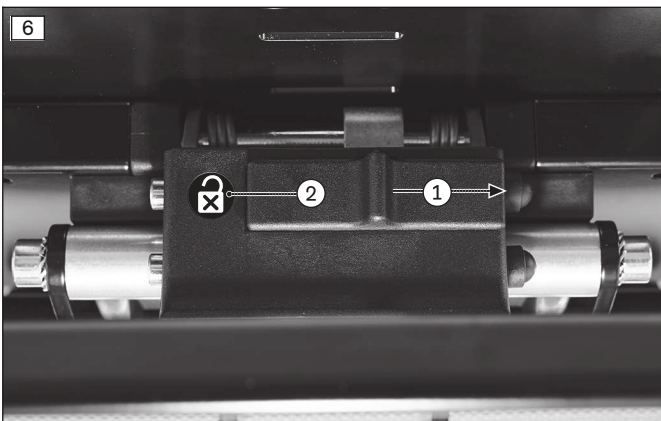
- 1) First place the seating unit on the rear tube of the seat adapter at an angle of **approx. 45°** (see fig. 3).
- 2) Press the front edge of the seat onto the mobility base until the retaining claw audibly snaps on to the front tube of the seat adapter (see fig. 4).

- 3) Slide the seat lock to the left to engage it (see fig. 5, item 1). The green symbol shows that the seating unit is locked (see fig. 5, item 2).
- 4) 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

- 1) Move the seating unit to an upright position (see the instructions for use (user)).
- 2) To open the seat lock, slide it to the right (see fig. 6, item 1). The red symbol indicates that the seat lock is open (see fig. 6, item 2).
- 3) Stand next to the seating unit and hold the upper area of the back support with one hand.
- 4) Pull the release lever located below the seating unit upwards (see fig. 7, item 1).
- 5) Tilt the seat backwards (see fig. 7, item 2) at an angle of **approx. 45°** and then lift it up and out.



5.1.2 Mounting the padding

INFORMATION

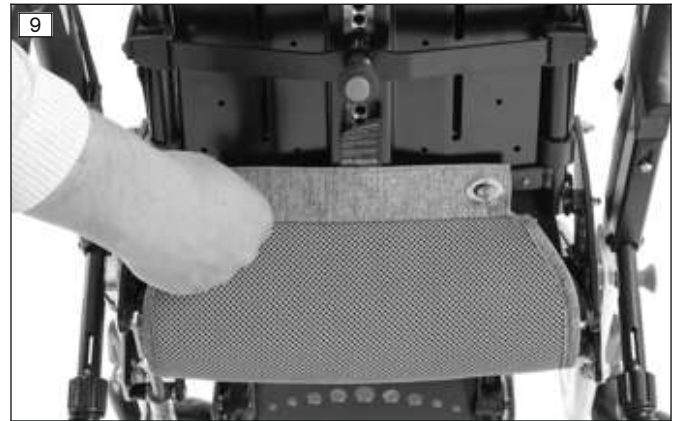
- ▶ **If necessary:** Before attaching the back support pads, all required components have to be installed on the frame tubes of the back support insert. First mount the canopy adapters (see page 27) and pads, only then the back support pads.
- ▶ Adjust the seating unit prior to mounting the back support pads (see page 30 ff.).
- ▶ If the product was ordered without padding, please note the information in the section "Delivery without padding" (see page 29).

a) Attaching the back support pad

- 1) Open the zip on the pad.
- 2) Pull the top of the pad over the back support and close the zip (see fig. 8).
- 3) Pull the lower end of the pad through between the back support and seat bottom. Slide the eyelets onto the rotary swivels and close the twist locks (see fig. 9).
- 4) **If necessary:** Push the back support pad under the supports at the sides (not illustrated).

b) Attaching the seat pad

- 1) Attach the pad with the hook-and-loop fastener (see fig. 10).
- 2) Push the seat pad under the supports at the sides (see fig. 11, item 1).
- 3) Attach the rubber bands on the left and right sides of the leg support (see fig. 11, item 2).



6 Installing options/accessories

INFORMATION

Please also observe the adjustment instructions in the section "Settings" (see page 30 ff.).

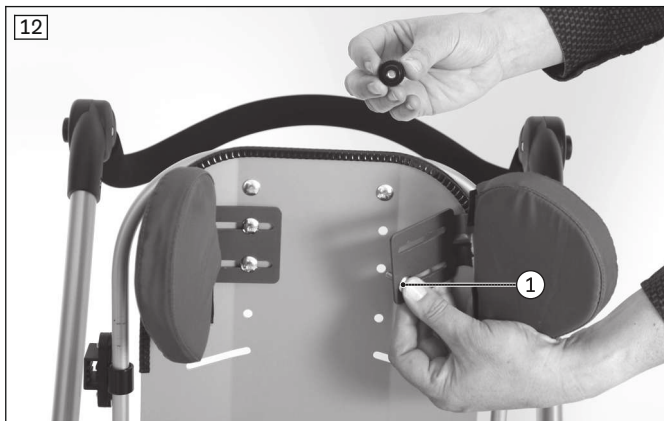
6.1 Headrests

6.1.1 Head support pads, adjustable laterally

INFORMATION

The back support cover should first be removed to make the installation tasks described below easier.

- 1) Open the zip at the top of the pad (see fig. 8) and fold the back support pad forward.
- 2) Guide each of the mounting screws from the front through the slotted hole in the lateral head support and through the bore hole in the back support (see fig. 12, item 1). The pointed sides of the support pads face down, the rounded sides face up.
- 3) Place the knurled nuts on the screws on the rear of the back support and slightly tighten them.
- 4) Adjust the distance of the lateral head supports if needed (see page 32).
- 5) Tighten the knurled nuts.
- 6) Put the back support pad back on and close the zip at the top of the pad (see fig. 8). Pull the lateral head supports through the pad while doing so.



6.1.2 Integrated head support with slight lateral support

Assembly is done at the factory following receipt of an order.

The width of the head section can be adjusted: see page 32.

6.1.3 Head support, individually adjustable

INFORMATION

Instructions for adjusting the head support: see page 33.

INFORMATION

The option "head support, individually adjustable" is used in combination with a short back support.

The following parts are required for assembling the head supports (included with order):

- Ottobock wheelchair connection mounting kit (see fig. 14, items 1 – 5)
- Individually adjustable head support in combination with wheelchair connection/head support hardware (see fig. 14, items 6 – 7)
- Alternatively: wheelchair connection/head support hardware provided separately (see fig. 14, items 6 – 7)

Attaching the mounting kit

- 1) Loosen and remove the knurled nuts on the back part (see fig. 13, item 1).
- 2) Remove the corresponding carriage bolts between the backrest bar and back support insert (see fig. 13, item 2). Make sure that the washers between the backrest bar and back support insert do not move (see fig. 13, item 3).

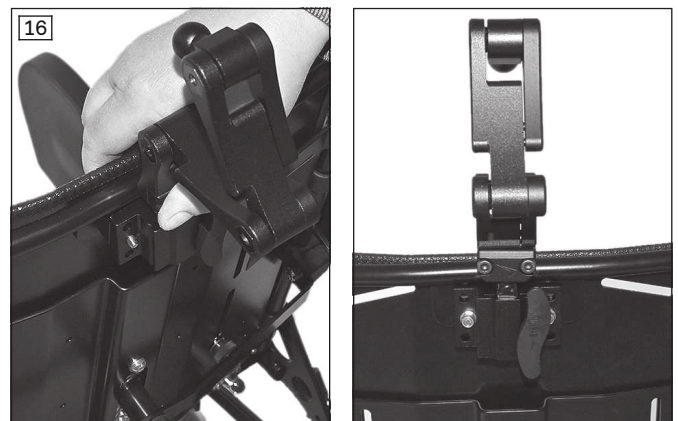
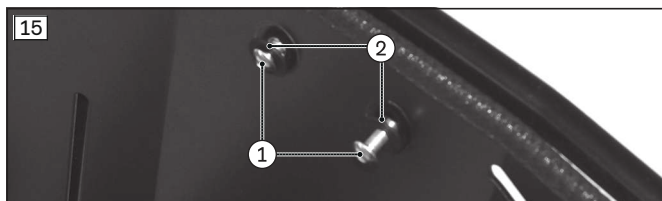
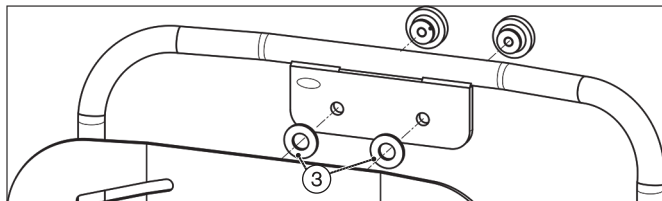
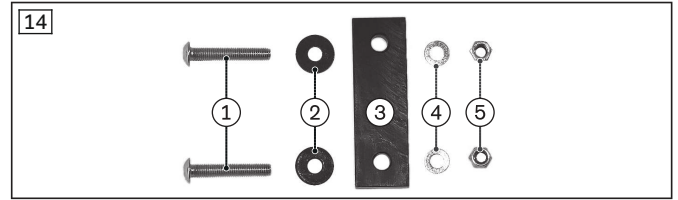
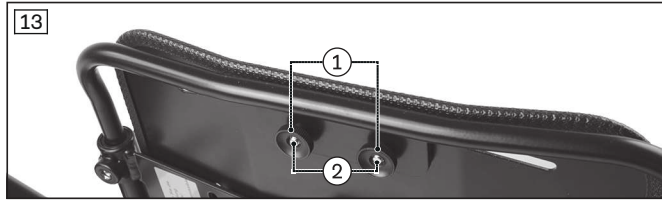
Assembly note: To prevent the washers from moving, you should keep pressing the back support insert against the backrest bar until the new screws are inserted (see the next step). Only then will the washers be prevented from moving.

- 3) Guide the mounting kit's oval head screws (see fig. 14, item 1) through the mounting kit's dark washers (see fig. 14, item 2) from the front through the bore holes in the back support (see fig. 15, items 1/2).
- 4) On the back, push the mounting kit's adapter plate (see fig. 14, item 3) onto the screws (see fig. 15, item 3).

- 5) Gather the mounting kit's washers and hexagon nuts (see fig. 14, items 4/5).
- 6) Fit the wheelchair connection and head support hardware on the adapter plate using the washers and hexagon nuts (see fig. 14, items 6/7; see fig. 16).

Assembly note: Use the middle bore holes in the wheelchair connection. Observe the information in the enclosed manufacturer's instructions for use.

- 7) Observe the information in the enclosed manufacturer's instructions for use on how to proceed with assembly and adjustment.



6.2 Positioning belts

⚠ CAUTION

Incorrect procedure for adjustment

Injuries, malpositions, user discomfort due to adjustment errors

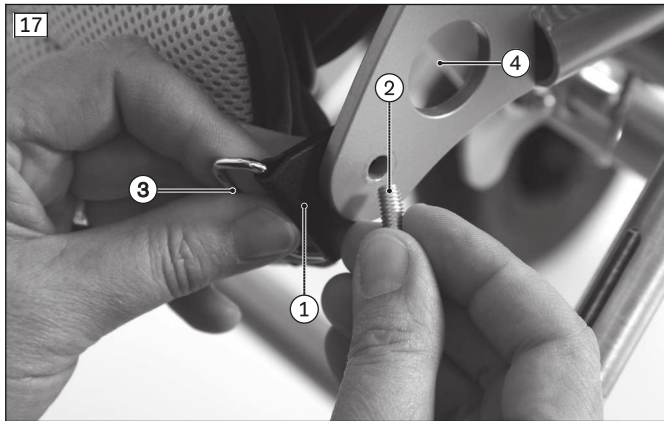
- ▶ The belt system may be installed and adjusted only by qualified personnel in accordance with the mounting specifications.
- ▶ The qualified personnel is responsible for the individual positioning and fitting of the belt system. This also applies to belt systems installed in the factory.
- ▶ Adjusting the belt system too tightly may lead to unnecessary pain or user discomfort.
- ▶ Adjusting the belt system too loosely can cause the user to slide into a dangerous position. In addition, the fastening buckles could open unintentionally if they slide against hard parts of clothing (e.g. buttons).
- ▶ For proper assembly and adjustment, follow the instructions for use included with the product.

6.2.1 Strap guide

For improved belt guidance in the pelvic area, strap guides can be installed with the following options:

- Two-point lap belt with metal buckle, padded
 - Lap belt of the five-point belt
 - Lap belt of the four-point belt
- 1) Place the strap guide at the small bore hole on the inside of the rear seat frame (see fig. 17, item 1).
 - 2) Guide the screw through the small bore hole from the outside (see fig. 17, item 2) and screw it into the strap guide.

- 3) Put on the washer and cap nut from the inside. Do not fully tighten yet.
- 4) Take hold of the D-ring (see fig. 17, item 3).
- 5) Twist the D-ring inwards until it lies over the large bore hole (see fig. 17, item 4).
- 6) Tighten the washer and cap nut.



6.2.2 Lap belts

CAUTION

Incorrect assembly of the belt system

Injuries, malpositions, user discomfort due to adjustment errors

- ▶ In principle, lap belts can be installed at an angle of **45° to 90°** in reference to the seat surface.
- ▶ The qualified personnel is responsible for establishing the specific mounting angle. The individual circumstances of the user are decisive here.

6.2.2.1 Two-point lap belt with metal buckle, padded



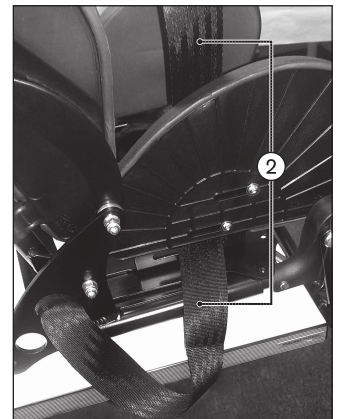
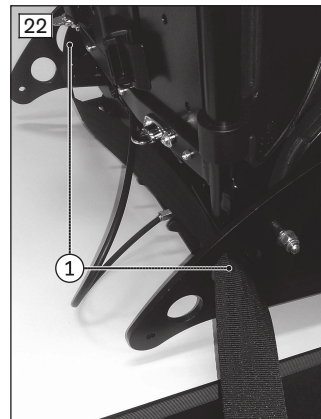
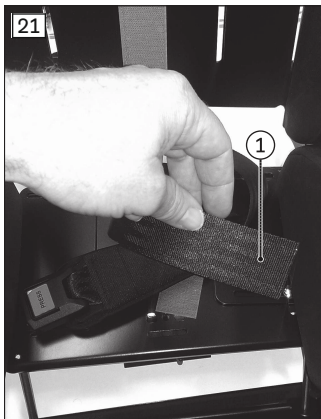
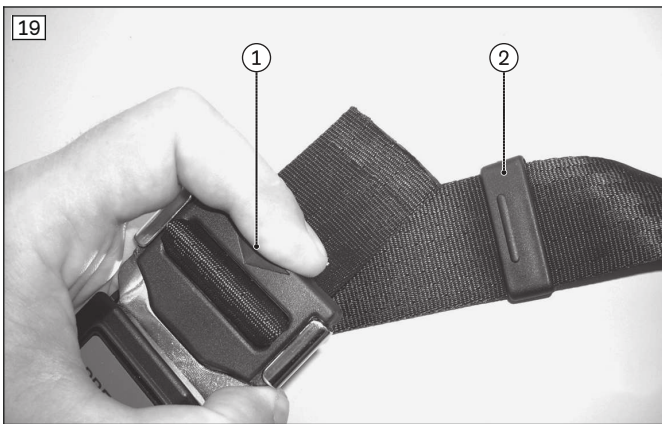
1	Belt buckle	3	Belt pads
2	Plastic loop	4	"PRESS" button (to release the buckle)

INFORMATION

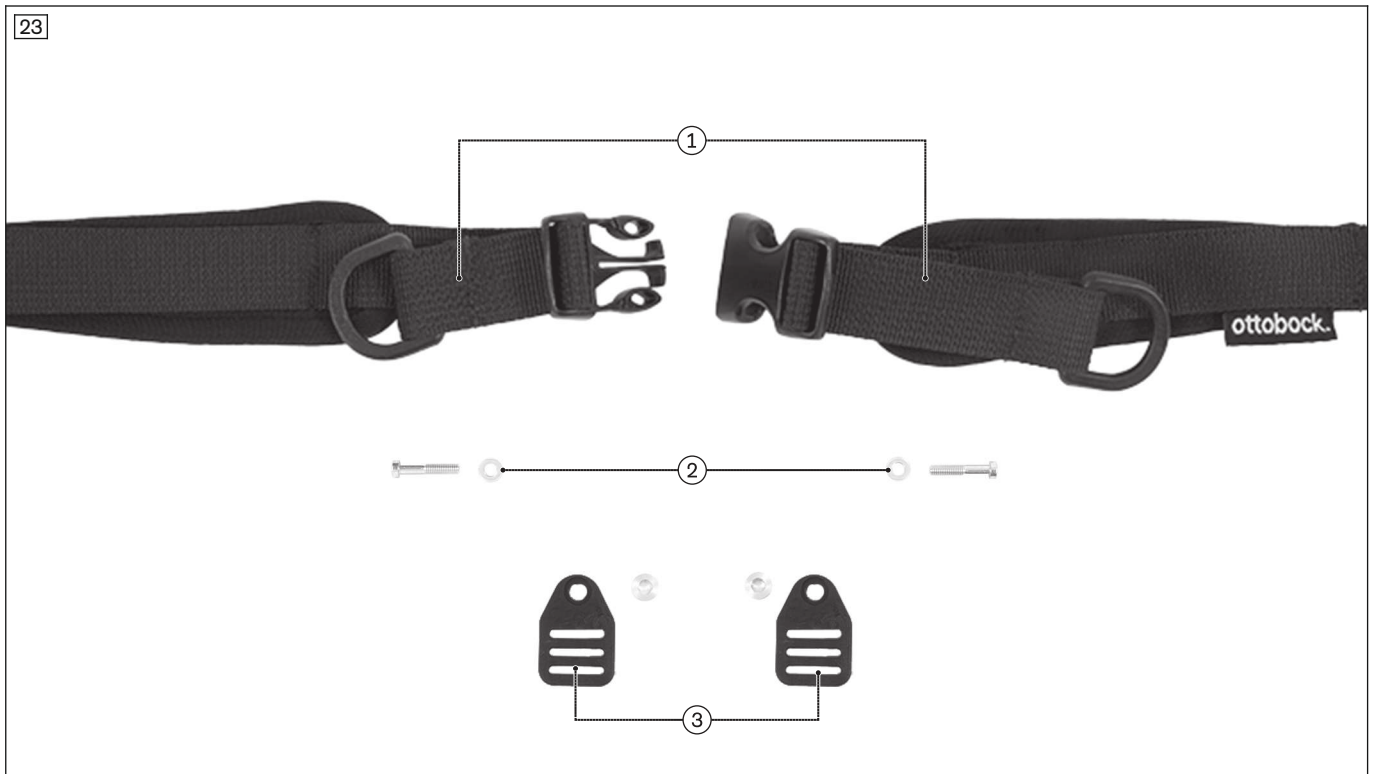
Alternatively, the lap belt component can be assembled with strap guides. Refer to the section "Five-point belt", subsection b) (see page 19).

Mounting the two-point lap belt

- 1) Close the belt buckle and pull out the belt (see fig. 19, item 1).
INFORMATION: Make sure not to push the plastic part beyond the guide in the metal part.
 - 2) Pull the plastic loop off the belt (see fig. 19, item 2).
 - 3) Pull a belt pad (see fig. 18, item 3) off the belt. The belt is now ready for mounting (see fig. 20).
 - 4) Place the belt on the seat. Take the end of the belt (see fig. 21, item 1) and thread it between the seat bottom and hip support to the outside of the seat (see fig. 21, item 2).
 - 5) Thread the end of the belt through the large bore holes in the base frame (see fig. 21, item 3; see fig. 22, item 1).
 - 6) Thread the end of the belt to the front between the seat bottom and hip support (see fig. 22, item 2).
 - 7) Slide the plastic loop (see fig. 18, item 2) and the belt pad (see fig. 18, item 3) onto the belt.
 - 8) Pull the end of the belt through the buckle (see fig. 19, item 1).
- If the buckle (see fig. 18, item 4) can be closed when it lies in the centre of the seat, the lap belt has been mounted properly.



6.2.2.2 Two-point lap belt with plastic buckle



1	Two-point lap belt	3	3-slot mounting brackets, 25 mm
2	Mounting material		

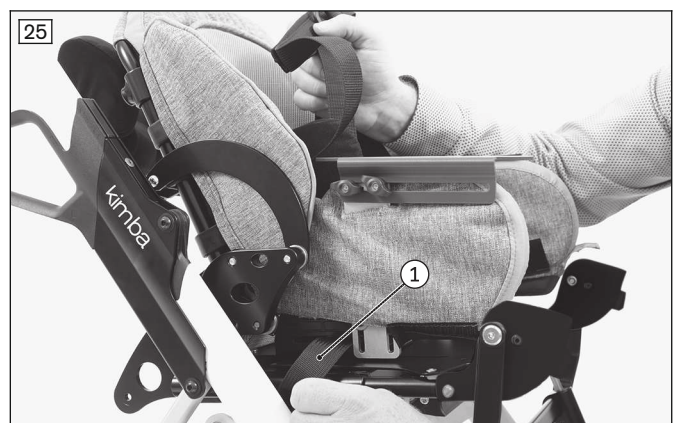
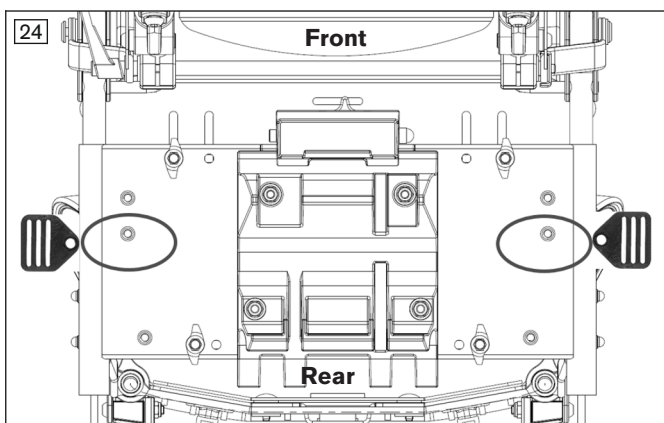
Mounting the two-point lap belt

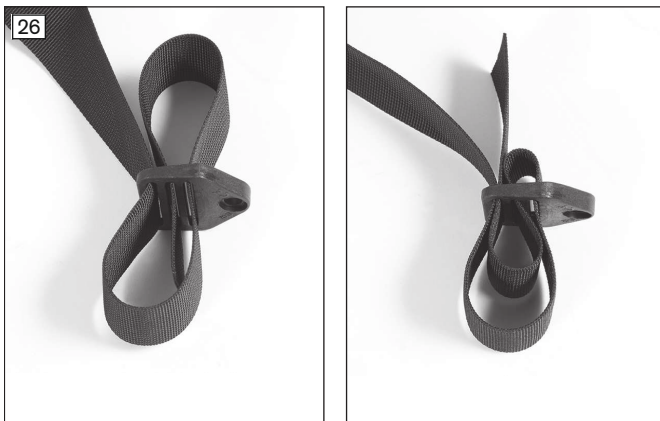
1) Install the three-slot mounting brackets (see fig. 23, item 3) at the bore holes on the bottom of the seat plate (installation example: see fig. 24).

INFORMATION: Depending on the required angle of the lap belt, the three-slot mounting brackets can also be installed in other than the illustrated locations below the seat if necessary.

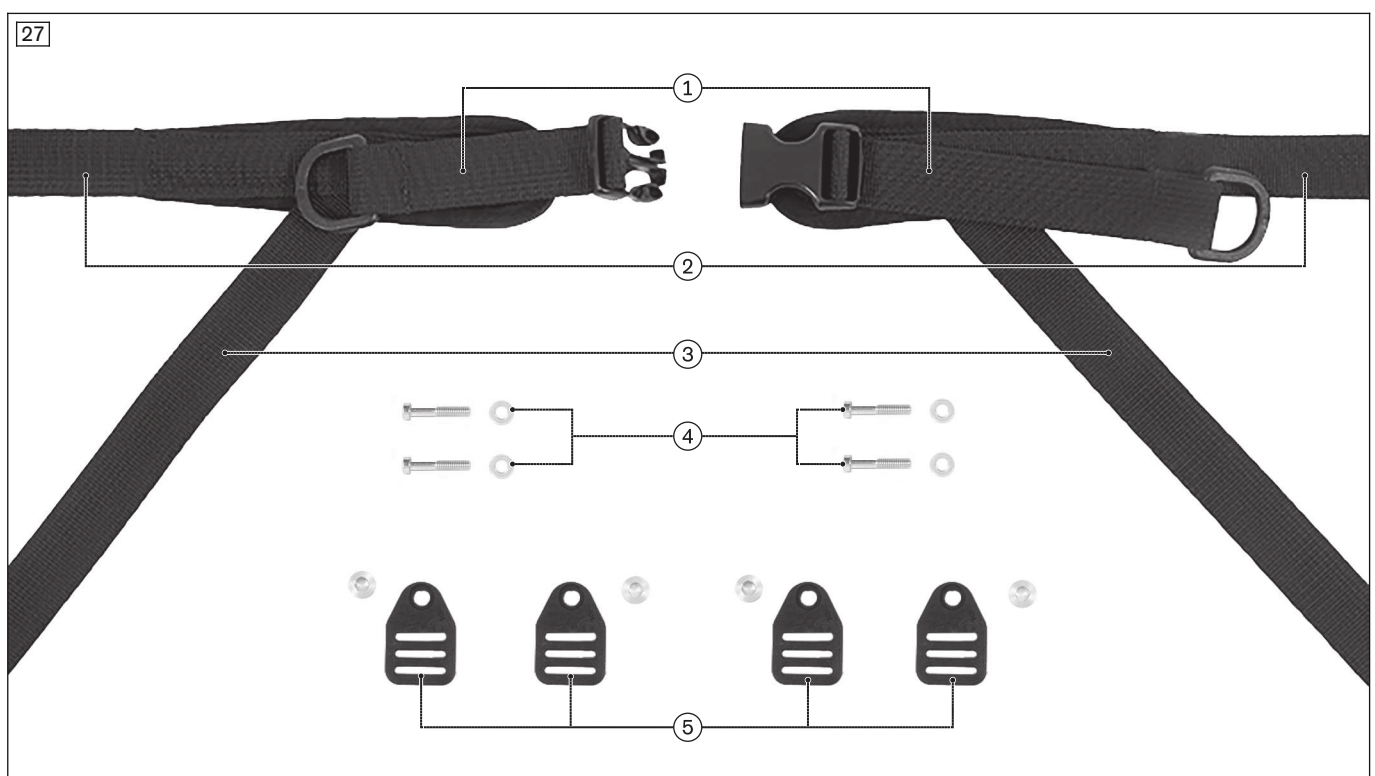
INFORMATION: It should be possible to turn the three-slot mounting brackets with some resistance if needed.

- 2) Turn the three-slot mounting brackets outwards.
- 3) Lay the two-point lap belt on the seat.
- 4) Pass the belt ends under the seat at the sides (example with arm supports: see fig. 25, item 1).
- 5) Thread the ends of the belt through the three-slot mounting brackets (see fig. 26). Adjust the belt length and tighten the belt.
- 6) If necessary, cut off protruding belt ends and seal the loose ends by applying heat (e.g. with a lighter).





6.2.2.3 Four-point lap belt with plastic buckle



1	Four-point lap belt	4	Mounting material
2	Positioning belts	5	3-slot mounting brackets, 25 mm
3	Retaining straps		

Mounting the four-point lap belt

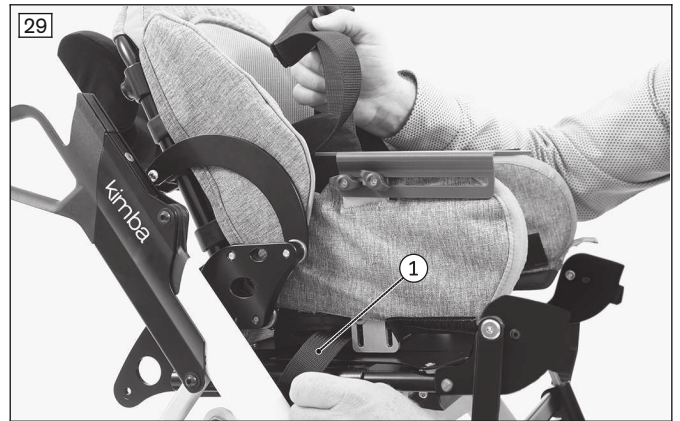
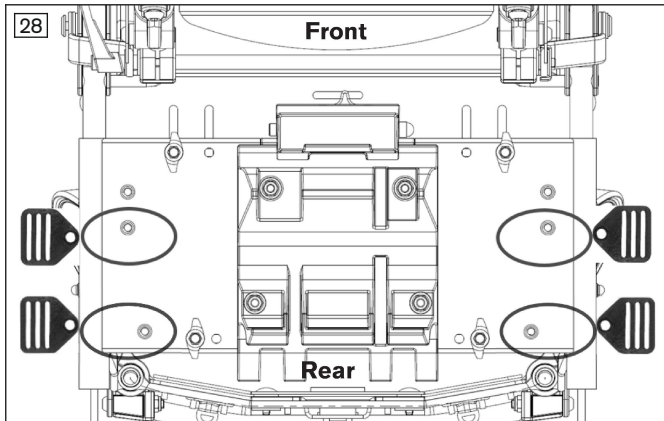
- 1) Install the three-slot mounting brackets (see fig. 27, item 5) at the bore holes on the bottom of the seat plate (installation example: see fig. 28).

INFORMATION: Depending on the required angle of the lap belt, the three-slot mounting brackets can also be installed in other than the illustrated locations below the seat if necessary.

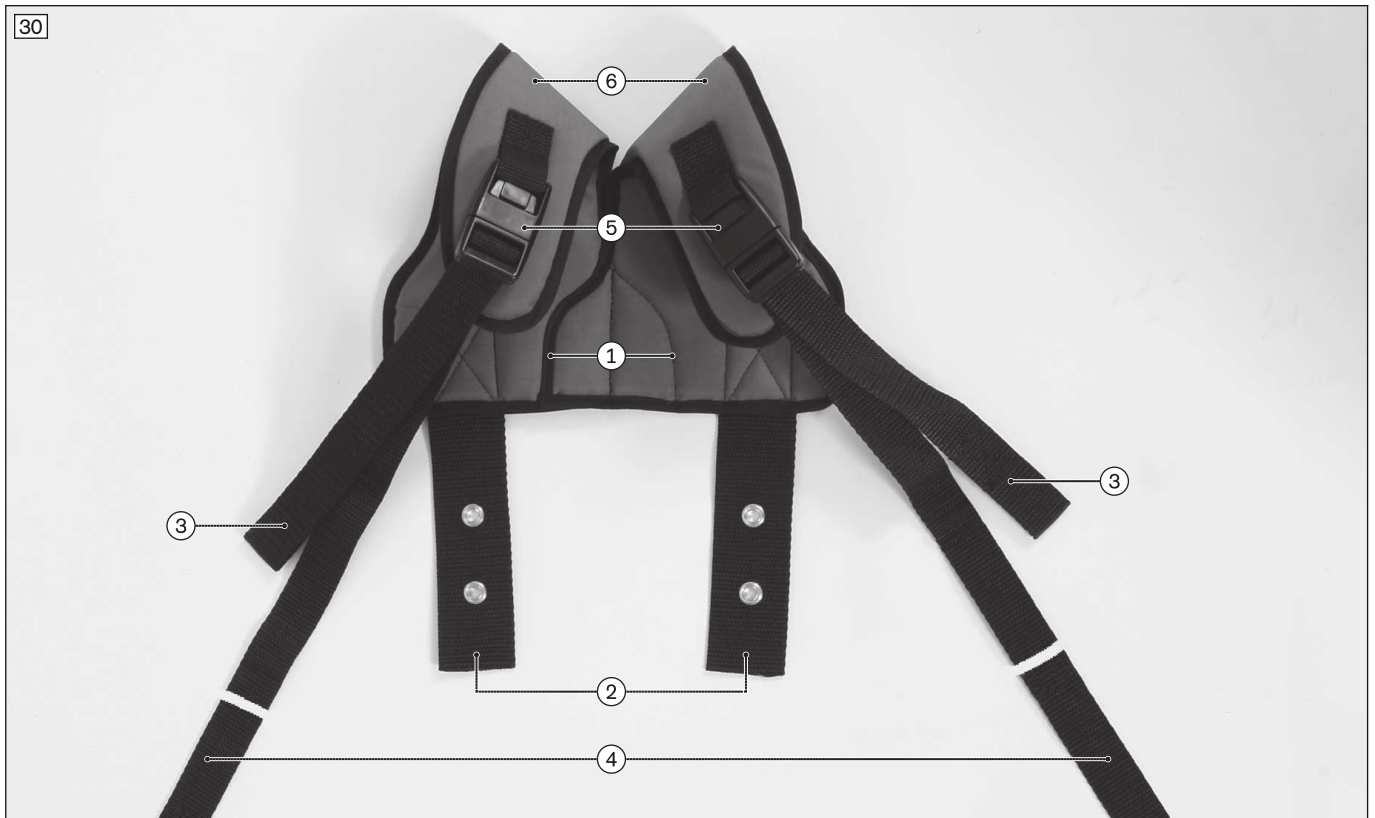
INFORMATION: It should be possible to turn the three-slot mounting brackets with some resistance if needed.

- 2) Turn the three-slot mounting brackets outwards.
- 3) Lay the four-point lap belt on the seat.
- 4) Pass the positioning belts (see fig. 27, item 2) under the seat on the sides (example with arm supports: see fig. 29, item 1).
- 5) Position the retaining straps (see fig. 27, item 3) so they keep the positioning belt from slipping.

- 6) Thread the ends of the belt through the three-slot mounting brackets (see fig. 26). Adjust the belt length and tighten the belt.
- 7) If necessary, cut off protruding belt ends and seal the loose ends by applying heat (e.g. with a lighter).



6.2.2.4 Groin strap

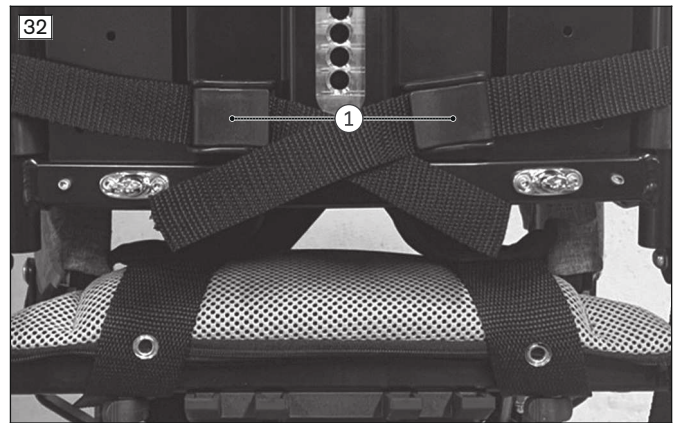
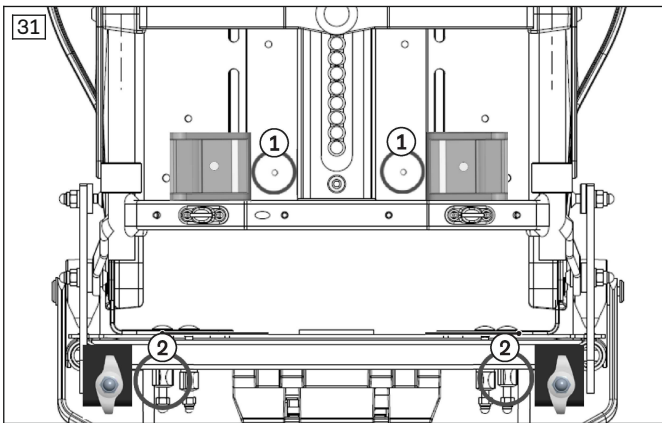


1	Underside groin strap	4	Long attachment straps
2	Attachment straps with eyelets	5	Strap adjustment and plug connection
3	Free strap ends for adjusting the length	6	Thigh strap

Mounting the groin strap

- 1) Rivet the clips in the bore holes of the back support frame (see fig. 31, item 1).
- 2) Place the groin strap, underside down (see fig. 30, item 1), on the seat pad; the attachment straps with the eyelets (see fig. 30, item 2) must face to the rear.
- 3) Thread the belt ends of the long attachment strap (see fig. 30, item 4) around the back support to the rear and secure them in the clips (see fig. 32, item 1).
- 4) Thread the attachment straps with eyelets (see fig. 30, item 2) between the back support and seat bottom to the rear and secure them under the seat bottom (see fig. 31, item 2; see fig. 32). Use the screws and wing nuts to adjust the seat depth and seat width.

- 5) If necessary, cut off protruding belt ends of the long attachment strap and seal the loose ends by applying heat (e.g. with a lighter).



6.2.3 Harness for the upper body

6.2.3.1 Four-point belt



1	Clips with rivet	5	Plastic loop
2	Shoulder harness, left and right	6	Belt buckle

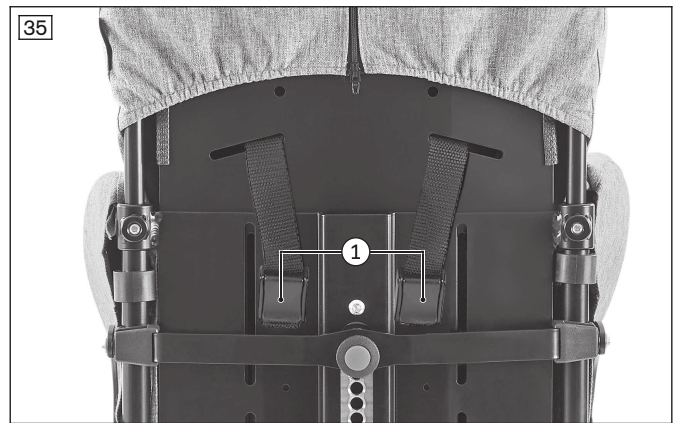
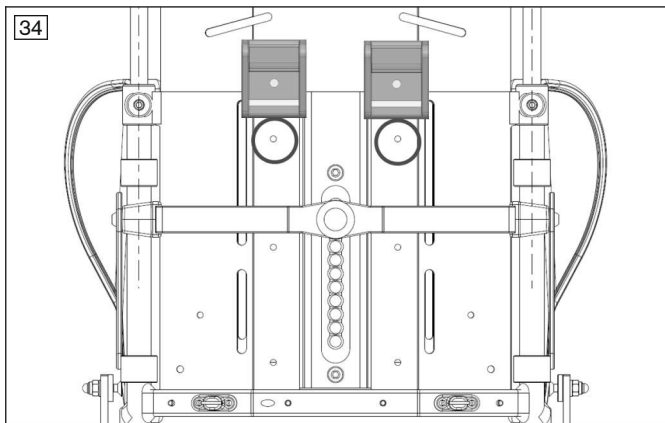
3	Strap pads	7	Belt buckle with release button
4	Lap belt		

Mounting the four-point belt

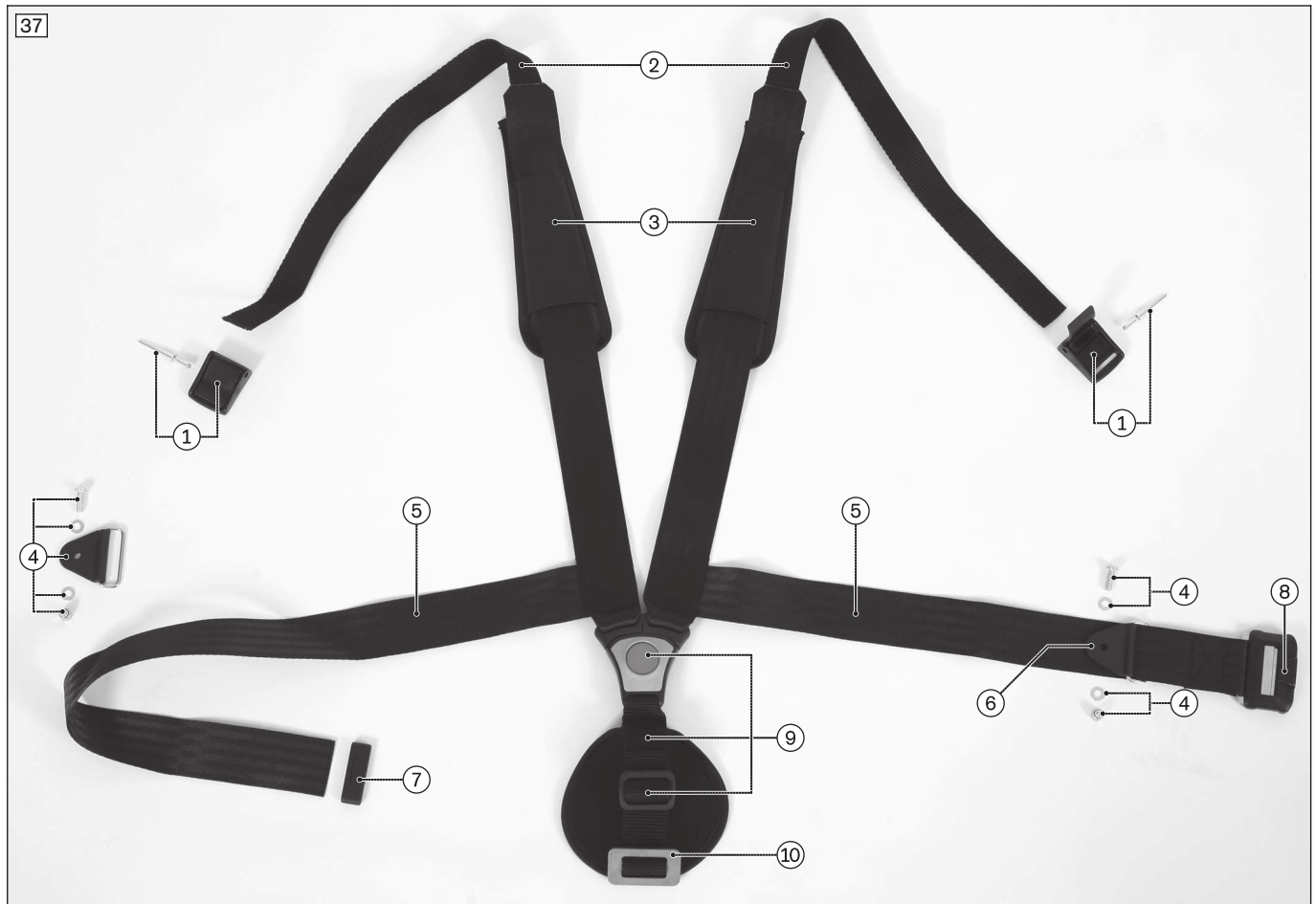
- 1) Rivet the clips (see fig. 33, item 1) in the bore holes of the back support frame (see fig. 34).
- 2) Thread the shoulder harness (see fig. 33, item 2) through the back support pad and back support (see fig. 36; see fig. 35).
- 3) Attach the shoulder harness in the clips (see fig. 35, item 1).
- 4) If necessary, cut off protruding belt ends of the shoulder harness and seal the loose ends by applying heat (e.g. with a lighter).
- 5) Mount the lap belt (see fig. 33, item 4) (see page 12).

INFORMATION: Assembly of the lap belt component with strap guides is possible as an alternative. To do so, see the next section under "b) Mounting lap belts".

→ If the buckle (see fig. 33, item 7) can be closed when it lies in the centre of the seat, the four-point belt has been mounted properly.



6.2.3.2 Five-point belt



1	Clips with rivet	6	Strap guide, fixed
2	Shoulder harness, left and right	7	Plastic loop
3	Belt pads	8	Belt buckle
4	Strap guide, loose, with mounting material	9	Crotch belt with buckle and adjustment clasp
5	Lap belts, left and right	10	Stop plate

Mounting the five-point belt

a) Mounting the shoulder harness

- 1) Rivet the clip buckles (see fig. 37, item 1) in the bore holes of the back support frame (see fig. 34, item 1).
- 2) Thread the shoulder harness (see fig. 37, item 2) through the back support pad and back support (see fig. 36).
- 3) Attach the shoulder harness in the clip buckles at the rear (see fig. 35, item 1).

b) Mounting lap belts

INFORMATION

The following section describes how to assemble the lap belt component with strap guides.

Alternatively, the lap belt of the five-point belt with large buckle (similar example: see fig. 33, item 7) can also be passed through the large bore holes in the base frame. To do so, see the section for assembly of the two-point lap belt with metal buckle (see page 12).

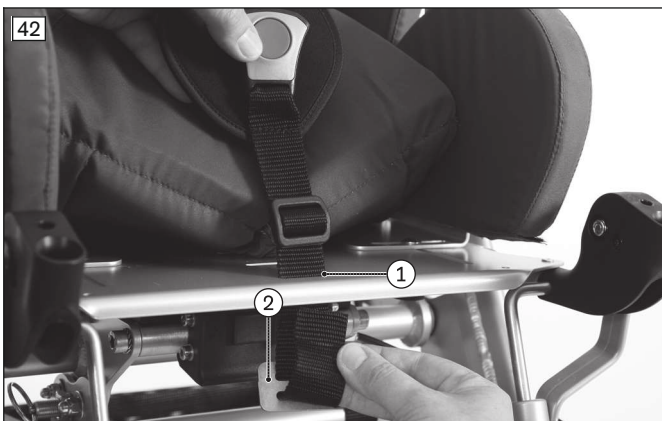
- 1) Mount the loose strap guide on the right (see fig. 37, item 4) (see page 11).
- 2) Thread the right lap belt (see fig. 37, item 5) through the connection piece to the rear between the seat and back support.
- 3) Thread the right lap belt through the strap guide and let it hang down (see fig. 38).
- 4) Thread the left lap belt (see fig. 37, item 5) through the connection piece to the rear between the seat and back support.

- 5) Mount the fixed strap guide (see fig. 37, item 6) (see page 11).
 - 6) Guide the right lap belt through the plastic loop (see fig. 37, item 7).
 - 7) Press the belt buckle on the left end of the lap belt together (see fig. 37, item 8) and thread the right lap belt (see fig. 37, item 5) behind the seat through the buckle (see fig. 39, see fig. 40, see fig. 41).
- INFORMATION: Make sure not to push the plastic part beyond the guide in the metal part.**
- 8) Finally, thread the right lap belt through the plastic loop again.



c) Mounting the crotch belt

- 1) Thread the crotch belt (see fig. 37, item 9) with the proper side through the front slot of the seat plate (see fig. 42, item 1).
- 2) Thread the crotch belt twice through the stop plate (see fig. 37, item 10) and back up through the seat plate (see fig. 42, item 2).
- 3) Thread the crotch belt through the adjustment clasp again (see fig. 43, item 1).



d) Finishing the assembly

- 1) Trim excess belt ends if necessary.
- 2) Seal the loose ends by applying heat (e.g. with a lighter).

→ If the buckle (see fig. 37, item 9) can be closed when it lies in the centre of the seat, the five-point belt has been mounted properly.

6.2.3.3 Harness for the upper body

⚠ WARNING

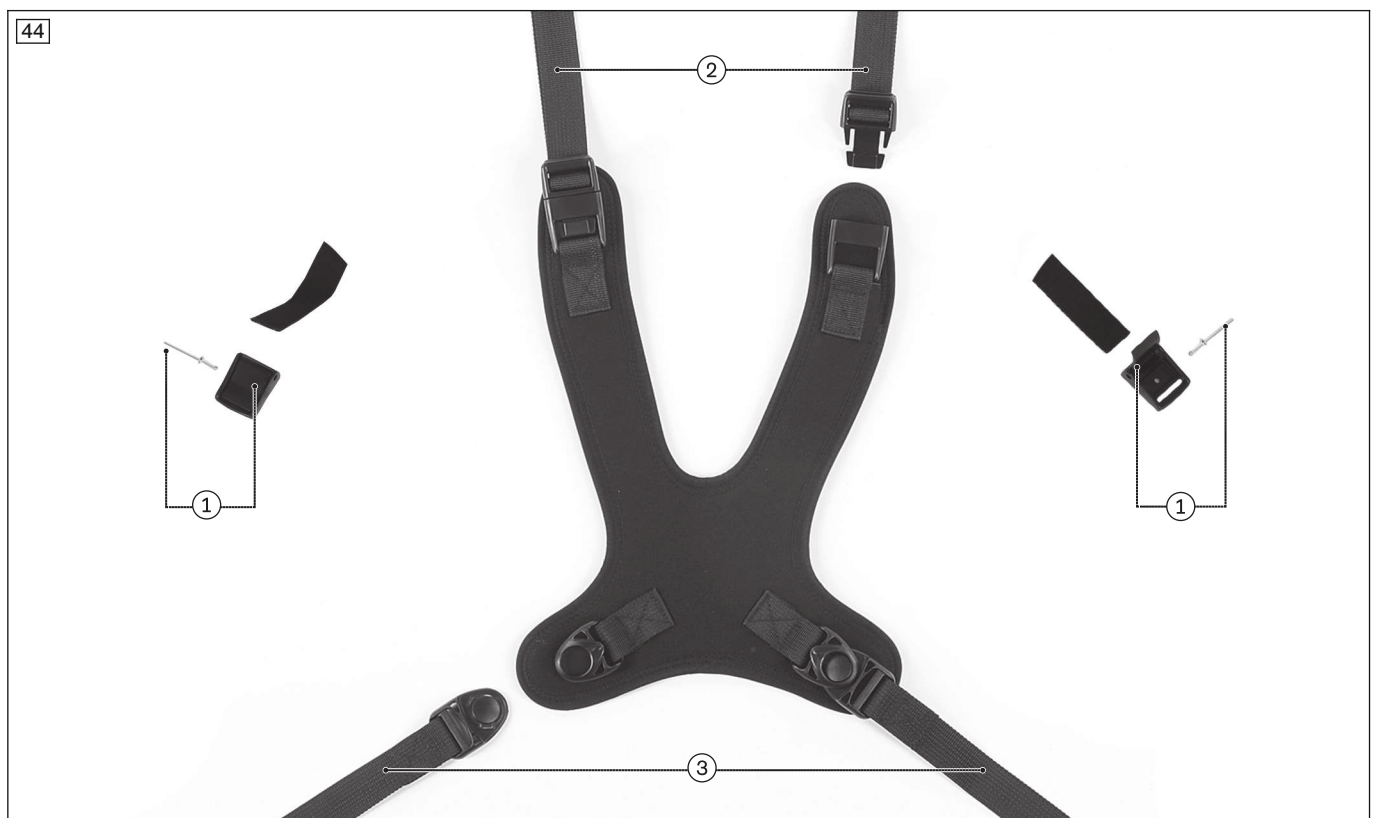
Incorrect application

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

Note the instructions for use and possible application errors (see page 17, four-point belts), which apply here too.

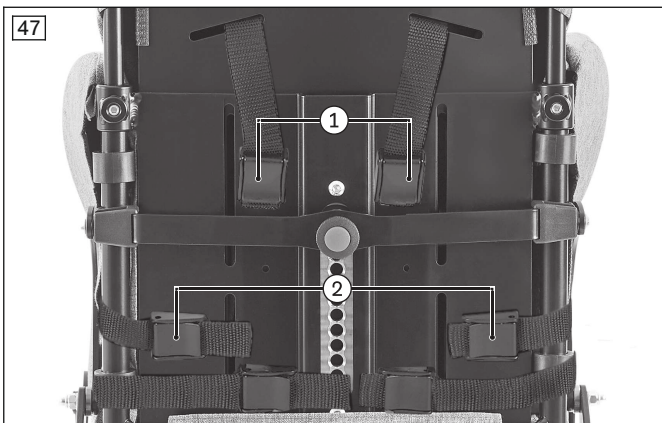
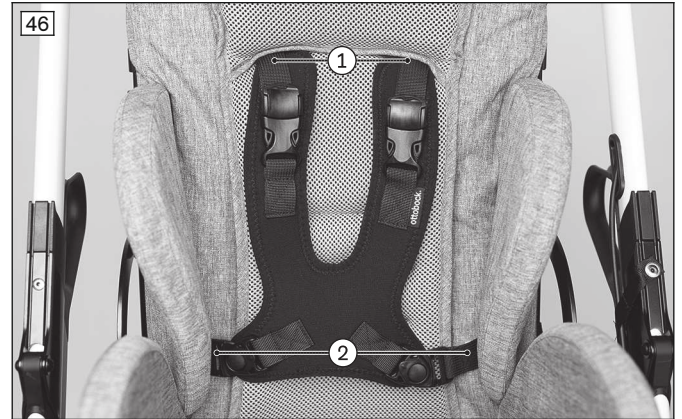
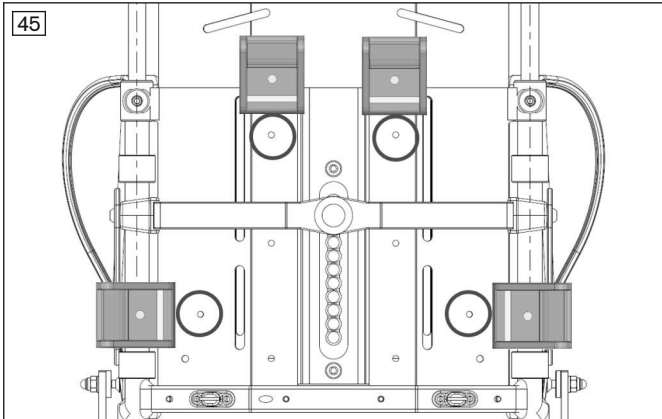


1	Clips with rivets	3	Lower attachment straps with buckles that can be removed
2	Shoulder harness with closure buckles that can be released from the side		

Installing the harness for the upper body

- 1) Rivet the four clips (see fig. 44, item 1) in the bore holes of the back support frame (see fig. 45).
- 2) Lay the harness for the upper body down on the seat bottom. The front has to face the seat bottom.
- 3) Thread the shoulder harness (see fig. 44, item 2) through the padding and the back support (see fig. 46, item 1). Attach the straps in the upper clips at the rear (see fig. 47, item 1).

- 4) Thread the lower attachment straps (see fig. 44, item 3) between the lateral supports and back support to the rear (see fig. 46, item 2). Attach the straps in the lower clips at the rear (see fig. 47, item 2).
- 5) If necessary, cut off protruding belt ends of the attachment straps and seal the loose ends by applying heat (e.g. with a lighter).



6.2.3.4 Positioning vest

⚠ WARNING

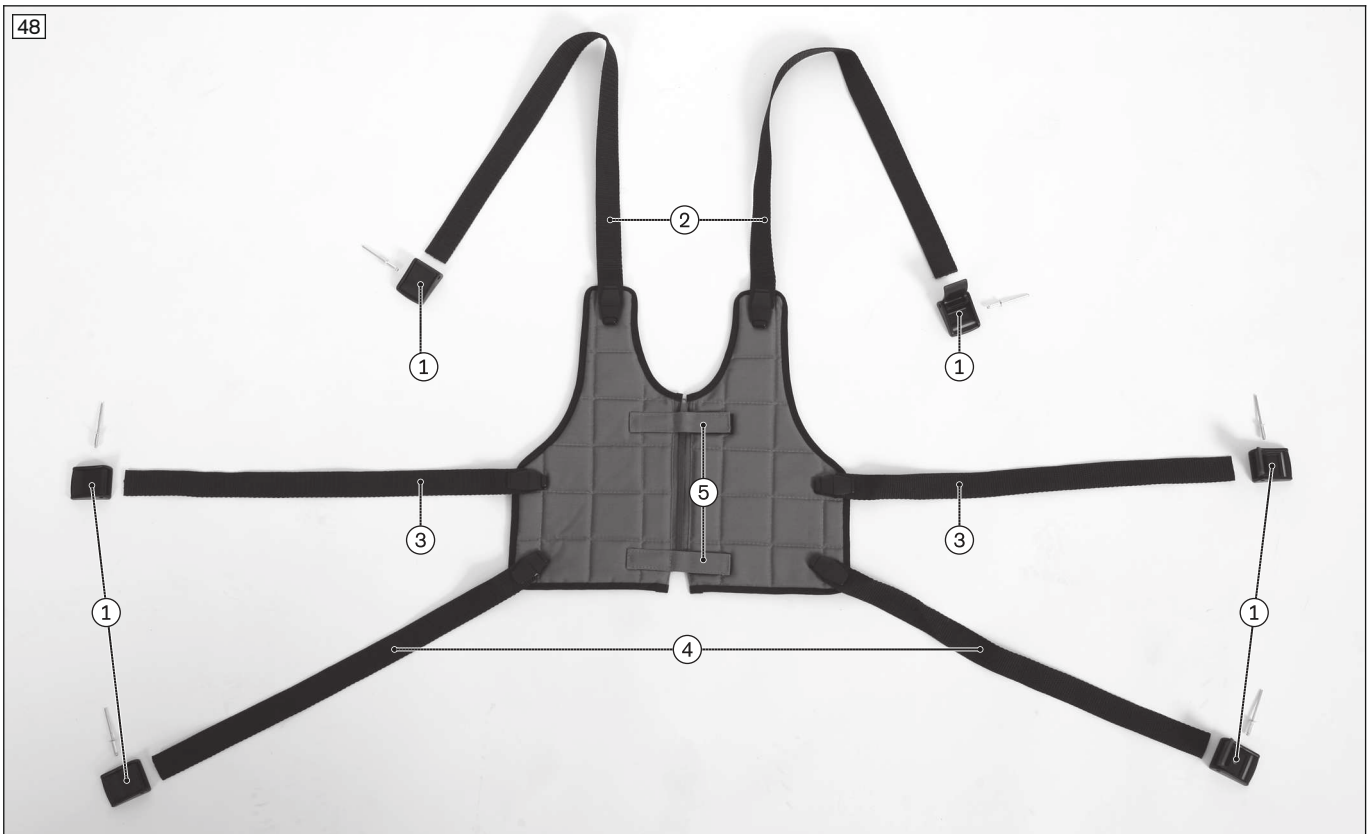
Incorrect application

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

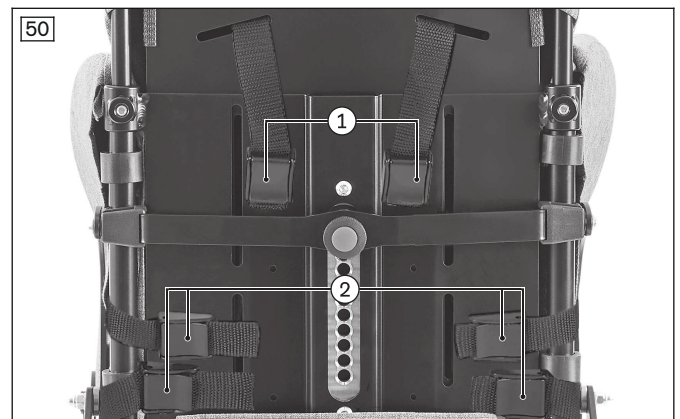
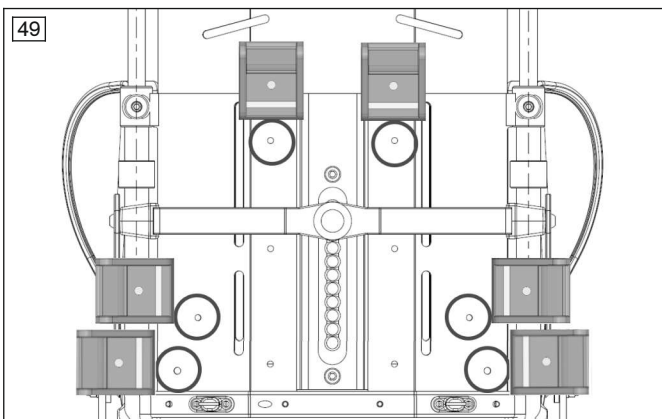
Note the instructions for use and possible application errors (see page 17, four-point belts), which apply here too.



1	Clips with rivet	4	Lower attachment straps
2	Shoulder harness	5	Fastening straps
3	Middle attachment straps		

Mounting the positioning vest

- 1) Rivet the clips (see fig. 48, item 1) in the bore holes of the back support (see fig. 49).
- 2) Place the positioning vest on the seat bottom. The fastening straps (see fig. 48, item 5) have to face the seat bottom.
- 3) Thread the shoulder harness (see fig. 48, item 2) through the padding and back support (see fig. 36) and secure in the clips at the back (see fig. 50, item 1).
- 4) Run the middle and lower attachment straps (see fig. 48, item 3, 4) around the back support tubes to the rear and secure them in the clips (see fig. 50, item 2).
- 5) If necessary, cut off protruding belt ends of the attachment straps and seal the loose ends by applying heat (e.g. with a lighter).



6.3 Positioning aids

CAUTION

Lack of instruction

Injuries, malpositions, illness of the user due to incorrect information

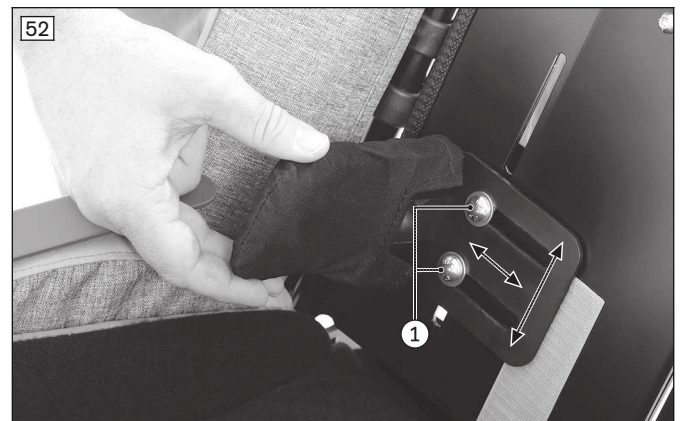
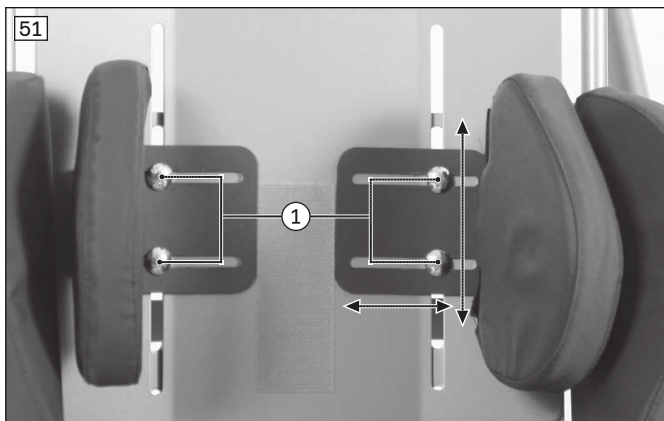
- ▶ The qualified personnel is responsible for making sure that the user and/or attendant/nursing staff has understood the proper adjustment, use, maintenance and care of the belt system.
- ▶ In particular, ensure that the user and/or attendant/care staff knows how to quickly loosen and open the product to avoid delays in case of emergency.

6.3.1 Thoracic supports (lateral supports)

INFORMATION

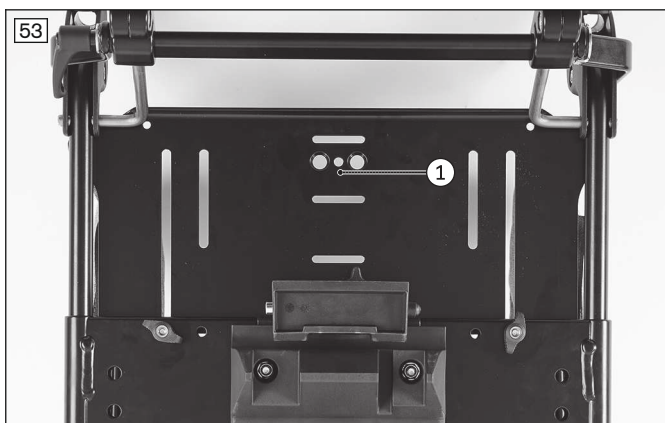
The back support cover can first be removed to make the installation tasks described below easier.

- 1) Run the proper sides of the thoracic supports through the pad. The pointed sides of the support pads face up, the rounded sides face down (see fig. 51).
INFORMATION: For folding thoracic supports only: The red release button on the folding thoracic support can face up or down. We recommend mounting the thoracic support so the release button faces up, making it easier to use.
- 2) Put the respective mounting screws through the slotted hole in the thoracic support and the back support (see fig. 51, item 1; see fig. 52, item 1).
- 3) Fasten the thoracic supports on the rear of the back support using knurled nuts.
- 4) If necessary, adjust the width and height. Tighten the knurled nuts.



6.3.2 Abductor

- 1) Place the pommel in the desired position on the seat plate (see fig. 53, item 1) and fasten it loosely with screws from below (see fig. 54, item 1).
INFORMATION: When using a slip sack, make a cut in it in the specified spot (see page 28), insert the slip sack and loosely fasten the pommel with screws.
- 2) Adjust the depth of the pommel in the slotted hole if necessary.
- 3) Finally, fasten the pommel with screws.



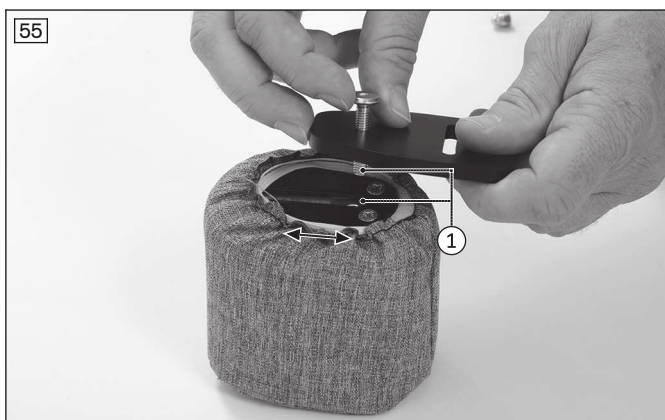
6.3.3 Abductor with abductor extension

To mount the pommel somewhat further to the front of the seat on the size 1 seating unit, the supplied pommel extension can be installed:

- 1) Screw the pommel extension loosely to the bottom of the pommel (see fig. 55, item 1).
- 2) Position the pommel extension on the seat plate and screw it on from below (see fig. 56, item 1).

INFORMATION: When using a slip sack, make a cut in it in the specified spot (see page 28), insert the slip sack and fasten the pommel with screws.

- 3) Adjust the depth of the pommel if necessary (see fig. 55, arrow).
- 4) Screw the pommel extension and pommel together firmly.



6.3.4 Neck support

- 1) Determine the medically required position of the neck support.
- 2) Thread the loop straps of the neck support through the back support pad and the back support (see fig. 57; see fig. 58, item 1).
- 3) Affix the hook straps for securing the loop straps on the back of the back support (see fig. 57).
- 4) Secure the neck support firmly with the hook-and-loop fastener (see fig. 59, item 1).





6.3.5 Lumbar support pad

- 1) Open the zip on the back support pad and move the back support pad to the front.
- 2) Determine the desired position of the lumbar support pad.
- 3) Affix the supplied hook-and-loop straps for securing the lumbar support pad on the back support (see fig. 60) or use existing hook-and-loop straps.
- 4) Fasten the lumbar support pad with hook-and-loop.
- 5) Pull the top of the back support pad over the back support and close the zip.



6.3.6 Hook-and-loop foot straps

- 1) Drill two bore holes, $\varnothing 6 \text{ mm}$, in the midfoot area of the supporting surface.
- 2) Attach the hook-and-loop foot strap to the supporting surface using the supplied screws (see fig. 61).
- 3) **If necessary:** Hook-and-loop foot straps can also be added for the forefoot area.



6.4 Standard arm supports

For mounting with the help of tripod springs that can be pushed in, see the instructions for use (user).

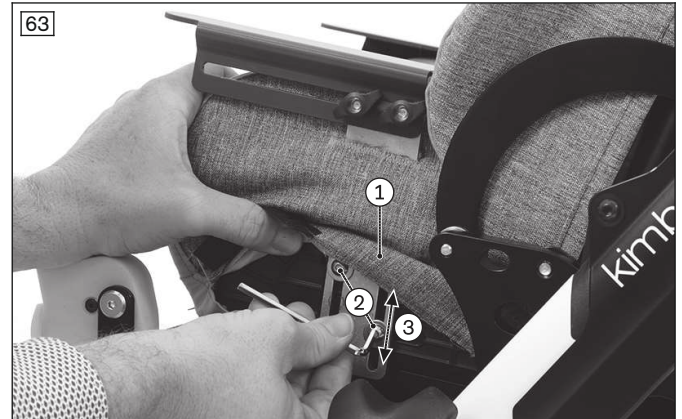
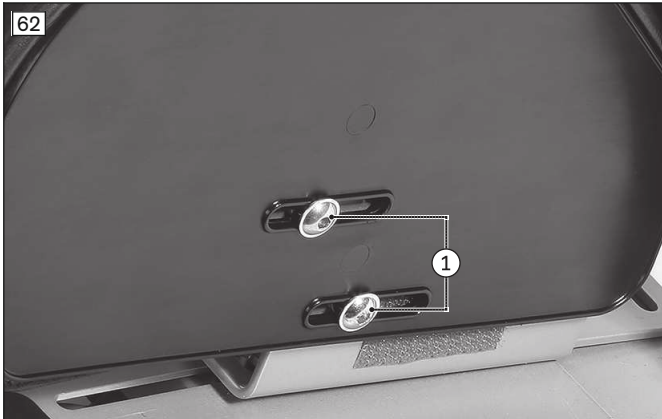
6.5 Adjustable arm supports

INFORMATION

- ▶ To adjust the height and depth of the arm support, please see the instructions for use (user).

They are mounted on the lateral slotted holes of the hip supports:

- 1) Lift the cover on the hip support.
- 2) Loosen and remove the screws in the slotted holes of the hip support (see fig. 62, item 1).
- 3) Guide the arm support holder down through the slit in the cover (see fig. 63, item 1).
- 4) Put the screws through the slotted holes in the arm support holder and hip support (see fig. 63, item 2). Pre-adjust the arm support holder and tighten the screws (see fig. 63, item 3/2).
- 5) Mount the second arm support at the same height.



6.6 Tray

For mounting the tray with the user seated, please see the instructions for use (user).

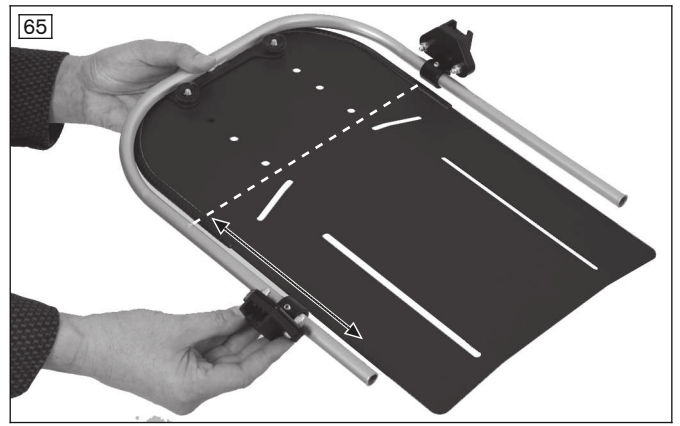
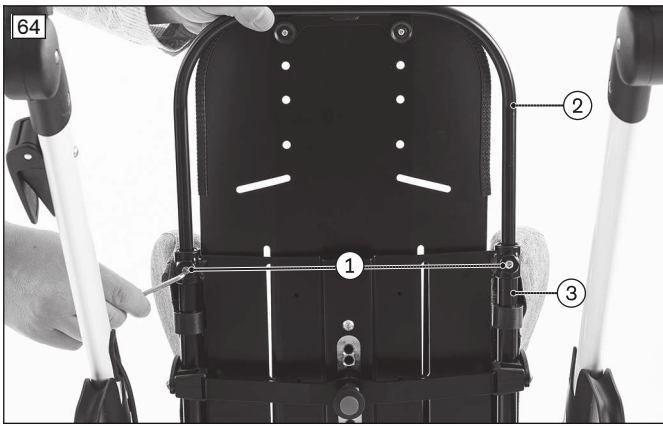
6.7 Canopy adapter

INFORMATION

- ▶ The canopy adapter is required to mount the canopy on the seating unit. For information on attaching and removing the canopy, see the instructions for use (user).
- ▶ Before assembly of the canopy adapter, all components have to be removed from the frame tubes of the back support insert (back support pads, existing supports). For information on attaching and removing the back support pad, see the instructions for use (user).

If the canopy adapter was included, it is installed as follows:

- 1) Remove the back support pad from the frame tubes of the back support insert.
- 2) **If necessary:** Remove the thoracic supports (see page 24). Remove all other options screwed to the back support insert (see fig. 64, item 2) and back support frame (see fig. 64, item 3) so the back support insert can be removed.
- 3) Loosen the Allen head screws on the back support tubes (see fig. 64, item 1) and pull the back support insert up and out.
- 4) Slide the canopy adapters with the proper side onto the tubes (see fig. 65).
- 5) Position the canopy adapters so they are level (see fig. 65).
- 6) Tighten the set screws on the canopy adapters.
- 7) Slide the back support insert back in and tighten the Allen head screws (see fig. 64, item 1).
- 8) **If necessary:** Install the thoracic supports (see page 24). Mount all options that were removed.
- 9) Attach the back support pad.



6.8 Rain cover

The installation is usually carried out by the user's attendant.
For mounting information, see the instructions for use (user).

6.9 Summer/winter slip sack

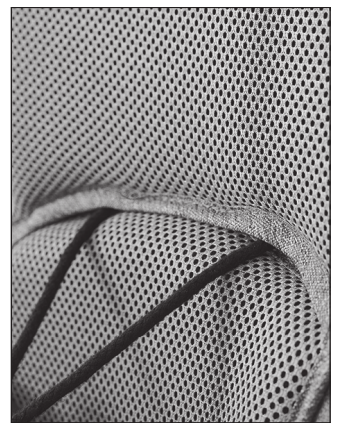
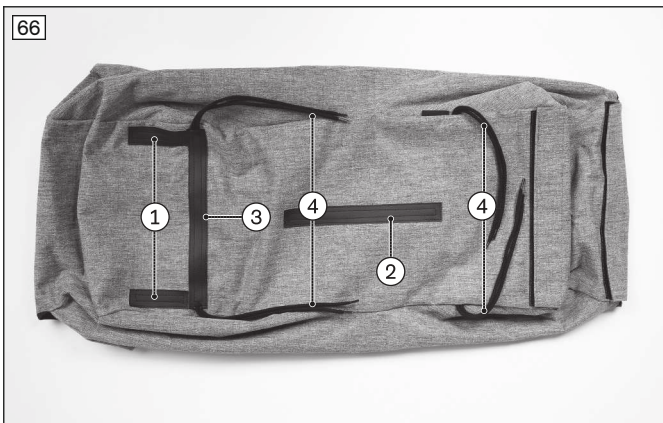
NOTICE

Incorrect attachment

Product damage due to attachment error

► During attachment of the slip sack, make sure that the product does not rub against the wheels.

- 1) If necessary, cut the slip sack at the intended locations with the leather applications so the following options can be threaded through: lap belt (see fig. 66, item 1),ommel and five-point belt (see fig. 66, item 2), groin strap (see fig. 66, item 3).
- 2) Fasten the attachment cords (see fig. 66, item 4) as appropriate:
 - Rear: e.g. on the back support insert (see fig. 67)
 - Front: e.g. on the leg support tube (not illustrated)



6.10 Seat insert, small

The installation is usually carried out by the user's attendant.
For mounting information, see the instructions for use (user).

6.11 Delivery without padding

⚠ CAUTION

Missing padding

User injuries due to missing or incorrectly selected pads

- ▶ Using the seating unit without padding is not permitted. However, the option "delivery without padding" is available so you can use individually fabricated padding.
- ▶ Note that the producer/distributor is responsible for the user's safety when individually fabricated padding is used. In particular, the ergonomically correct sitting position of the user without pressure points must be verified. Ottobock assumes no liability in this regard.
- ▶ Note that the producer/distributor is also responsible for passing on information on the attachment and care of the padding.

The option makes it possible to use individual padding if needed.

Note that the Kimba seating unit always has to be delivered and used with padding.

6.12 Frame padding

For mounting information, see the instructions for use of the Kimba, Kimba Cross and Kimba Inline outdoor mobility bases – reference number 647H1655=*

6.13 Padding for the leg support

- 1) Cut the self-adhesive hook-and-loop straps (see fig. 68) to the appropriate length and adhere them to the outer sides of the leg support.
- 2) Insert the pad in the leg support and press it onto the hook-and-loop straps (see fig. 69).



6.14 Anti-slip lining

- 1) Clean the supporting surface of the leg support.
- 2) Adhere the self-adhesive anti-slip lining to the supporting surface (see fig. 71).



6.15 Incontinence cover

The installation is usually carried out by the user's attendant.

For mounting information, see the instructions for use (user).

7 Settings

7.1 Prerequisites

WARNING

Faulty settings

Tipping over, falling or malposition of the user due to incorrect adjustments

- ▶ Adjustment and assembly work may be carried out only by qualified personnel.
- ▶ Only the adjustments described in these instructions for use may be carried out.
- ▶ Settings may be changed only within the allowable adjustment ranges; otherwise, the stability of the product may be impaired (see this section and the "Technical data" section). If you have questions, contact the manufacturer's service (see www.ottobock.com for addresses).
- ▶ Conduct tests only in the presence of an assistant.
- ▶ Unless expressly described, you may not change any settings with a person sitting in the product.
- ▶ Secure the user against falling out during all tests.
- ▶ Before testing setting changes with the user seated, firmly tighten all screw connections.
- ▶ Check for safe function before delivering the product.

CAUTION

Unsecured screw connections

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

- ▶ Always firmly re-tighten the mounting screws and nuts after changing settings. Observe the specified torques in doing so.
- ▶ Any time you loosen a screw connection with thread lock, replace it with a new screw connection with thread lock or secure the old screw connection with medium strength thread locker (e.g. Loctite 241).
- ▶ Always replace self-locking screws and nuts with new self-locking screws and nuts after disassembly.

Fine-tuning and adjustments should always be carried out in the presence of the user. The user should be sitting upright in the wheelchair while making adjustments.

All parts of the product should be cleaned thoroughly before adjustments are made.

The tools required for adjustments and maintenance tasks as well as the torque values for screw connections are listed in the section "Appendices" (see page 39).

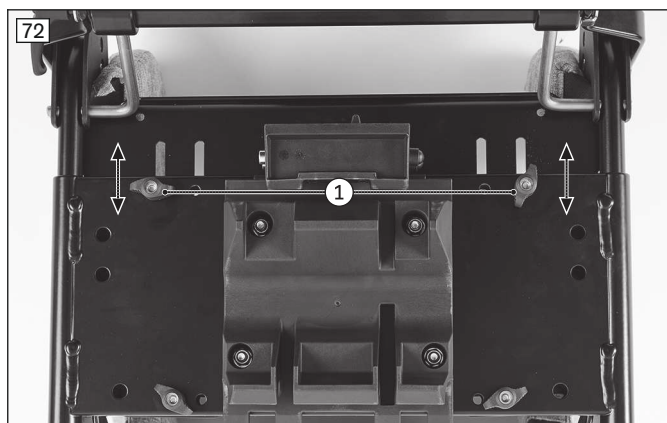
7.2 Basic functions

7.2.1 Adjusting the seat depth

- 1) Loosen the wing nuts on the underside of the seat (see fig. 72, item 1).
- 2) Adjust the seat depth by moving the leg support (see fig. 73).
- 3) Firmly tighten the wing nuts.

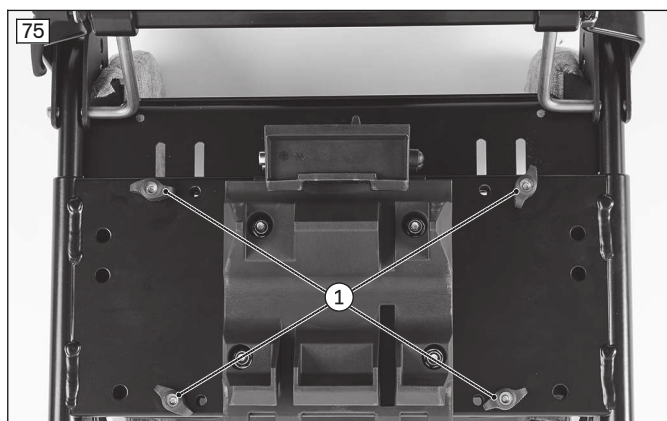
Adjusting the depth of the hip supports

- 1) Remove the cover from the support.
- 2) Loosen the screws in the slotted holes on the sides (see fig. 74) and adjust to the desired depth.
- 3) Tighten the screws and put on the cover.



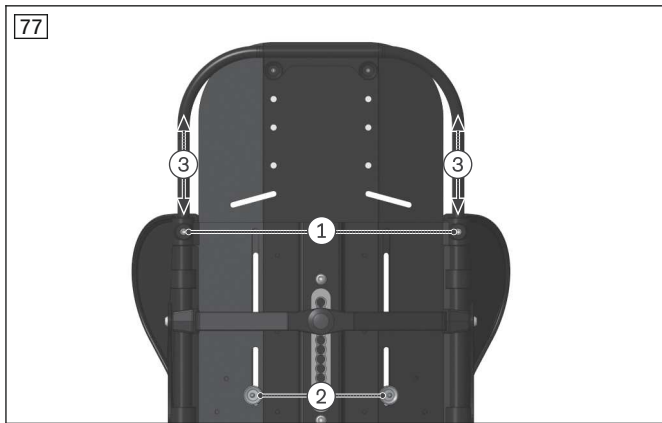
7.2.2 Adjusting the seat width

- 1) Loosen the wing nuts on the underside of the seat (see fig. 75, item 1).
- 2) Adjust the seat width by moving the hip supports (see fig. 76). Abducted settings are possible as well.
- 3) Firmly tighten the wing nuts.



7.2.3 Adjusting the back support height

- 1) Loosen the Allen screws on the back support tubes (see fig. 77, item 1).
- 2) **If present:** Loosen the truss head screws with the knurled nuts on the lower back support insert (see fig. 77, item 2).
- 3) **If necessary:** Loosen the thoracic supports. Loosen the wing nuts to do so.
- 4) Slide the back support tubes evenly to the desired height (see fig. 77, item 3).
- 5) **If necessary:** Firmly reinstall the thoracic supports.
- 6) Tighten the Allen screws (see fig. 77, item 1).
- 7) **If present:** Retighten the truss head screws with the knurled nuts on the lower back support insert (see fig. 77, item 2).



7.2.4 Further settings

The following adjustment tasks are described in more detail in the included instructions for use (user):

- Adjusting the back angle
- Adjusting the seat angle (seat tilt)
- Adjusting the adjustable armrests

7.3 Headrests

7.3.1 Adjusting the lateral head supports

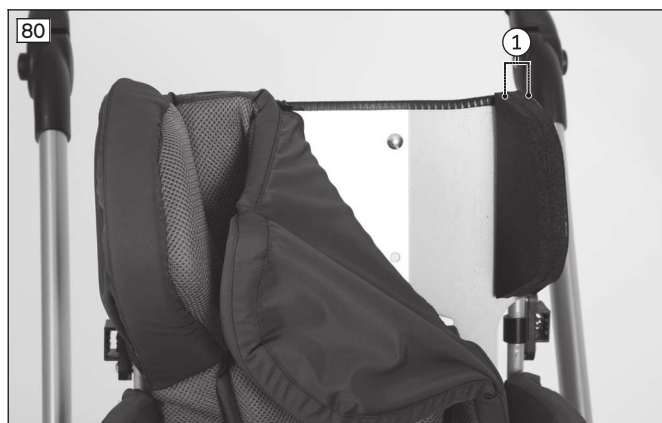
- 1) Open the zip at the top of the pad (see fig. 8) and push the pad behind the seat to the side.
- 2) Loosen the knurled nuts on the rear of the back support.
- 3) Adjust the distance by moving the supports in the slotted holes (see fig. 78, item 1).
- 4) The height of the supports can only be adjusted by changing the back support height (see page 31).
- 5) Tighten the knurled nuts.
- 6) Close the zip at the top of the pad (see fig. 8).



7.3.2 Adjusting the integrated head support

To adjust the width in the head area, up to three pads (see fig. 79, item 1) with a thickness of **10 mm** each can be attached on each side. The pads are included in the scope of delivery for the covers. The backing film has to be pulled off before the pads can be affixed.

- 1) Open the zip on the top of the padding (see fig. 8) and remove the back support pad from the integrated head support.
- 2) Attach up to three pads on each side of the head support (see fig. 79, item 1, see fig. 80, item 1).
- 3) Reattach the back support pad and fasten it.



7.3.3 Adjusting the individually adjustable head support

⚠ CAUTION

Incorrect settings

Hitting components due to violent head movements of the user

- ▶ Do not position yourself behind the head support during adjustment, but at its side.

INFORMATION

Observe the following when adjusting the head support:

- ▶ Position the back of the user's head as close as possible to the contact surface of the head support (maximum distance: 50 mm).
- ▶ Adjust the centre of the contact surface to the height of the top of the ears.

INFORMATION

To mount the head support: see page 10

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

7.4 Positioning belts

⚠ CAUTION

Incorrect belt settings

Injuries, malpositions, user discomfort due to incorrect routing of positioning belts

- ▶ The positioning belts must be positioned close to the body. They must never be held away from the user's body by components of the product or other parts.
- ▶ Firmly tighten the positioning belts after they are applied. However, the comfort of the user must be taken into consideration:
 - Excessively tight adjustment may lead to unnecessary pain or suffering for the user.
 - Adjusting the belt straps too loosely can cause them to shift up or down so that the user can slide into a position that is dangerous to him/her.
 - The belt straps must not be twisted but must lie flat on the user's body.
- ▶ The shoulder belt must run over the user's shoulder. If this is not possible, the user must not be transported in this position in a motor vehicle.

7.4.1 Adjusting lap belts

The following adjustment tasks are described in more detail in the included instructions for use (user):

- Adjusting the 2-point lap belt
- Adjusting the four-point lap belt

7.4.1.1 Adjusting the groin strap

INFORMATION

The application of the product is described in the Instructions for Use (User).

The groin strap can be adjusted as follows:

- Adjusting the belts using the clips at the rear of the back support (see fig. 32, item 1, see page 16)
- Adjusting the belts using the strap adjustment at the thigh straps (see fig. 30, item 5, see page 16)

7.4.2 Adjusting the harness for the upper body

The following adjustment tasks are described in more detail in the included instructions for use (user):

- Adjusting the four-point belt
- Adjusting the five-point belt

7.4.2.1 Adjusting the harness for the upper body

INFORMATION

The application of the product is described in the Instructions for Use (User).

The harness for the upper body can be adjusted as follows:

- Adjusting the belts using the clips at the rear of the back support (see fig. 47, item 1/2, see page 21)
- Adjusting the belts using the closure buckles on the harness for the upper body (see fig. 44, item 2/3, see page 21)

7.4.2.2 Adjusting the positioning vest

INFORMATION

The application of the product is described in the Instructions for Use (User).

The positioning vest can be adjusted as follows:

- Adjusting the belts using the clips at the rear of the back support (see fig. 50, item 1/2, see page 22)

7.5 Positioning aids

CAUTION

Improper adjustment

Crushing or pinching due to adjustments which are too tight

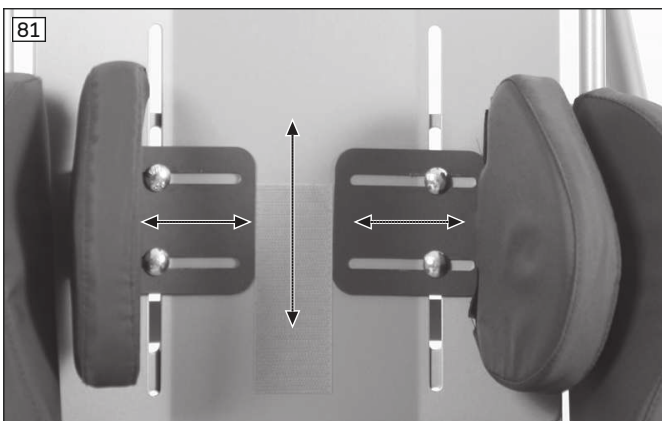
- ▶ Do not pinch the user when sliding in the product.

7.5.1 Adjusting the thoracic supports

- 1) Loosen the knurled nuts on the rear of the back support.
- 2) Adjust the width and height by moving the supports in the slotted holes (see fig. 81).

INFORMATION: If necessary, you can adjust the height of the supports by shifting the mounting screws in the slotted hole of the back support.

- 3) Tighten the knurled nuts.



7.5.2 Adjusting the pommel

The pommel can be adjusted as follows:

- Shifting the mounting screw to other bore holes or slotted holes of the seat plate (see fig. 53, see page 24)
- Moving the pommel in the slotted hole (see fig. 54, see page 24)

7.5.3 Adjusting the neck support

The adjustments are made when the option is mounted (see page 25).

7.5.4 Adjusting the lumbar support pad

The adjustments are made when the option is mounted (see page 26).

7.5.5 Adjusting the hook-and-loop foot straps

INFORMATION

The application and adjustment of the product is described in the instructions for use (user).

7.6 Adjusting the leg support

7.6.1 Adjusting the height of the leg support

a) Standard and angle-adjustable leg support

- 1) Loosen the Allen head screws (see fig. 82, item 1).
- 2) Adjust the leg support to the desired height (lower leg length).
- 3) Tighten the Allen-head screws.

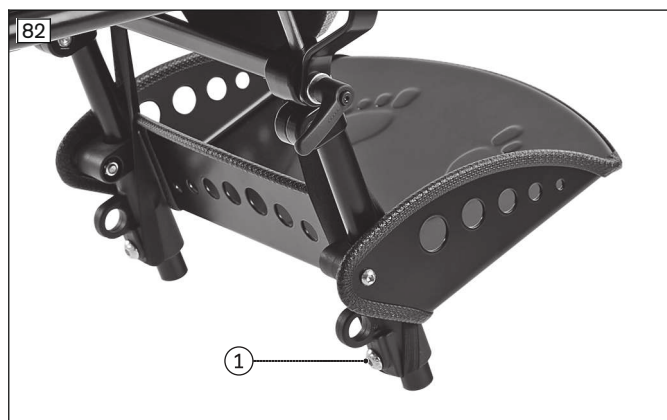
b) Angle-adjustable leg support for short lower leg lengths

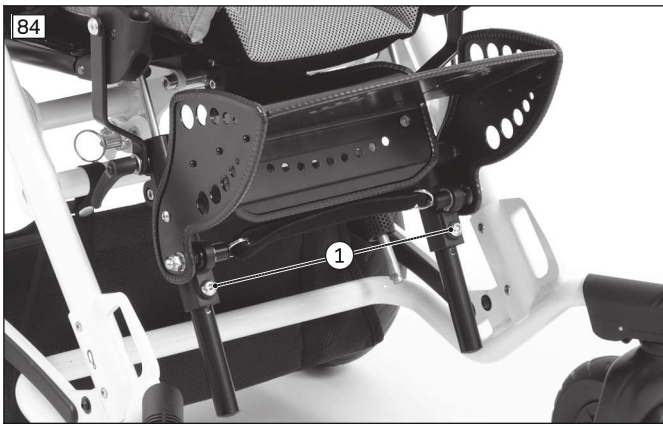
For adjustment, the leg support can be mounted so it is facing downward (short lower leg length, see fig. 84) or upward (standard, see fig. 83) as needed.

- 1) Loosen the Allen head screws (see fig. 83, see fig. 84, item 1).
- 2) **If necessary:** Pull the leg support down and off, rotate it and slide it onto the tubes of the leg support adapter.
- 3) Adjust the leg support to the desired height (lower leg length).
- 4) Tighten the Allen head screws (see fig. 83, see fig. 84, item 1).
- 5) Check whether the leg support can be folded up or down without difficulty.

INFORMATION: Folding the leg support up and down is described in the instructions for use (user).

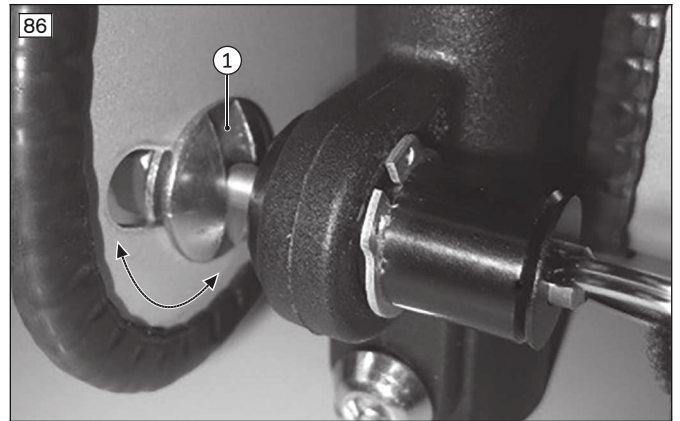
- 6) If the heel guide catches on the seat when folding down the leg support, the height of the heel guide can be fine-tuned:
 - Loosen the screws on the back of the heel guide.
 - Adjust the height of the heel guide.
 - Firmly tighten the screws on the heel guide.
 - Check whether the leg support can be folded up or down without difficulty. If not, continue adjusting until the leg support can be folded readily.





7.6.2 Adjusting the leg support angle

- 1) Loosen the fastening nuts in the slotted holes of the leg support (see fig. 85, no. 1).
- 2) Align the wide slots of the locking bushings perpendicular to the slotted holes (see fig. 86, no. 1). This allows the leg support to engage without wear.
- 3) Slide the locking bushings in the slotted holes evenly on both sides (see fig. 86, see arrow) to set the desired angle.
- 4) Tighten the mounting nuts (see fig. 85, no. 1).



7.6.3 Further settings

The following adjustment tasks are described in more detail in the included instructions for use (user):

- Adjusting the knee angle

8 Delivery

8.1 Final inspection

- Are all options installed according to the order form?
- Are all screws firmly tightened and all hook-and-loop fasteners firmly fastened?
- Are the legrests/armrests (option) adjusted correctly?

8.2 Handing over the product

⚠ WARNING

Lack of instruction

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

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

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

- Conduct a sitting test with the user of the product. Pay special attention to proper positioning according to medical considerations.
- Instruct the user and attendants in the safe use of the product. Use the enclosed instructions for use (user) for this purpose.
- The instructions for use (user) must be given to the attendant upon delivery of the seating unit.
- **Depending on equipment:** The supplied instructions for use for accessories have to be handed over in addition.

9 Maintenance and repair

The manufacturer recommends regular maintenance of the product every **12 months**.

Further information on caring for the product and on maintenance/repair can be found in the instructions for use (user).

Detailed information on repairs can be found in the service manual.

10 Disposal

10.1 Disposal information

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

10.2 Information on re-use

CAUTION

Used seat padding

Functional and/or hygienic risks due to re-use

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

The product is suitable for re-use.

Similar to second-hand machines or vehicles, products that are being re-used are subject to increased strain. Features and performance must not change in a way that could impair the safety of users or third parties during the period of use.

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

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

11 Legal information

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

11.1 Liability

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

11.2 Warranty

Further information on the warranty terms and conditions is available from the manufacturer's service department.

11.3 Lifetime

Expected lifetime: **4 years**

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

12 Technical data

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)

Temperatures and relative humidity	
Relative humidity [%]	10 to 85; non-condensing

13 Appendices

13.1 Required tools

The following tools are required for adjustments and maintenance work:

- Allen wrenches in sizes 2.5 – 6 (sizes 3 – 6 included in 481C08=ST010 tool kit)
- Ring and open-ended spanners in sizes 8 – 12
- Rivet gun (for rivets up to \varnothing 5 mm)

13.2 Torque values of the screw connections

Unless otherwise specified, hand-tighten screw connections.

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www.ottobock.com

