Kimba Neo

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1 Foreword

**INFORMATION**

Last update: 2017-01-25

- Please read this document carefully before using the product.
- Follow the safety instructions to avoid injuries and damage to the product.
- Instruct the user in the proper and safe use of the product.
- Please keep this document in a safe place.

**INFORMATION**

- New information regarding product safety and product recalls can be obtained from the Customer Care Center (CCC) at oa@ottobock.com or from the manufacturer’s service department (see inside back cover or back page for addresses).
- You can request this document as a PDF file from the Customer Care Center (CCC) at oa@ottobock.com or from the manufacturer’s service department (see inside back cover or back page for addresses). It is possible to increase the display size of the PDF document.

Initial adjustments to the product were made according to the order form. Nevertheless, fine adjustment may be required and settings may have to be made according to the medical conditions 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 operation of the product and functionality of the options are described in the instructions for use (user). These instructions for use must be given to the user.
- 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 installation and retrofitting of all optional components are generally described in the service manual.
- The product may be combined only with the options listed here. The manufacturer assumes no liability for combinations with third-party medical devices and/or accessories not included in the modular system. Please also observe the information in the section "Liability".

2 Product description

2.1 Function

The rehab buggy is intended solely for transporting children with walking disabilities or who are unable to walk. The rehab buggy has been approved for transporting only one child aged 1 to 10 years (depending on the size and weight of the child). It is operated by an attendant (conveyance by another person).

The rehab buggy can be used indoors and outdoors. It is fully adjustable to provide an optimised, individual fitting.
2.2 Product Overview

Kimba Neo seating unit

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Angle adjustable backrest</td>
</tr>
<tr>
<td>2</td>
<td>Removable seat with lateral supports</td>
</tr>
<tr>
<td>3</td>
<td>Adjustable footrest</td>
</tr>
<tr>
<td>4</td>
<td>Back angle adjustment</td>
</tr>
<tr>
<td>5</td>
<td>Seat angle adjustment</td>
</tr>
</tbody>
</table>

3 Intended use

3.1 Indications for use

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

The seating unit for a rehab buggy has only been approved for transporting one child (Kimba Inline two children) aged approx. 1 to 10 years (depending on the size and weight of the child). It is operated by an attendant (convey-ance by another person).
The seating unit for a rehab buggy can be used indoors and outdoors. It is fully adjustable to provide an optimised, individual fitting.

The product may only be used with the options which are listed in the product order form.

The warranty applies only when the product is used according to the specified conditions and for the intended purposes.

### 3.2 Indications

The broad range of equipment options and the modular design allow the product to be used by people who are unable to walk or have a walking impediment, for example due to:

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

### 3.3 Contraindications

Not known.

### 3.4 Qualification

The installation and adjustments described below may only be carried out by qualified personnel.

### 3.5 Service Life

Expected service life: 4 years.

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

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

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

### 4 Safety

#### 4.1 Explanation of warning symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![WARNING]</td>
<td>Warning regarding possible serious risks of accident or injury.</td>
</tr>
<tr>
<td>![CAUTION]</td>
<td>Warning regarding possible risks of accident or injury.</td>
</tr>
<tr>
<td>![NOTE]</td>
<td>Warning regarding possible technical damage.</td>
</tr>
</tbody>
</table>

#### 4.2 General safety instructions

**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.

**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".
4.3 Safety Instructions for Use

**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.

**NOTICE**

Use of unsuitable packaging
Damage to the product caused by transportation using incorrect packaging
► Use only the original packaging for delivery of the product.

4.4 Safety instructions regarding maintenance and repairs

**CAUTION**

Unsecured screw connections
Pinching, crushing, tipping over, falling of user due to assembly errors
► After all adjusting/readjusting work, retighten the mounting screws/nuts firmly. Observe any torque settings which may be specified.
► Any time you loosen a screw connection with thread lock, replace it with a new screw connection with thread lock or secure the old screw connection with medium strength thread locker (e.g. Loctite® 241).

**CAUTION**

Improper use of self-locking nuts
Tipping, falling over of the user due to screw connections coming loose
► Always replace self-locking nuts with new self-locking nuts after disassembly.

4.5 Nameplate and warning labels

4.5.1 Nameplate

<table>
<thead>
<tr>
<th>Label</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Type designation</td>
</tr>
<tr>
<td>B</td>
<td>Manufacturer’s article number</td>
</tr>
<tr>
<td>C</td>
<td>Maximum load capacity (see section &quot;Technical data&quot;)</td>
</tr>
<tr>
<td>D</td>
<td>Manufacturer information/address/country of origin</td>
</tr>
<tr>
<td>E</td>
<td>Serial number*</td>
</tr>
<tr>
<td>F</td>
<td>European Article Number / Global Trade Item Number</td>
</tr>
<tr>
<td>G</td>
<td>Read the instructions for use before using the product.</td>
</tr>
<tr>
<td>H</td>
<td>CE marking – product safety in accordance with EU directives</td>
</tr>
</tbody>
</table>

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

5 Delivery

5.1 Scope of delivery

The scope of delivery includes:
• Multifunctional seating unit (standard option)
• Options according to the order
• Instructions for use (user)

5.2 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.

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

6 Preparation for use

6.1 Assembly

**CAUTION**
Exposed pinch points
Crushing, pinching due to incorrect handling
► When folding out the backrest, only grip by the specified components.

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

**NOTICE**
Incorrect removal, mounting or adjustment of the seat
Damage to the seat cover due to improper handling
► Make sure that the lateral seat guides do not bump against the mobility base when removing, mounting or adjusting the seat.
► For this reason, fold the lateral guides inwards so they do not come into contact with the mobility base when removing, mounting or adjusting the seat.

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

**INFORMATION**
- Mount the supports before installing the standard padding.
- Prior to mounting the padding, adjust the seating unit (see chapter "Settings").

1) Open the zipper on the backrest padding.
2) Pull the back padding with its cap over the back insert and close the zipper (see fig. 5).
3) Pull the excess back padding down between the lower edge of the back and the seat and attach it to the twist locks on the outside of the back.
4) Place the seat cushion on the seat in such a way that the corresponding hook-and-loop surfaces can be connected (see fig. 6).
7 Installing options/accessories

**INFORMATION**
Please also observe the adjustment instructions in the section "Settings" (see Page 32 ff.).

### 7.1 Headrests

#### 7.1.1 Headrest supports
1) Pull the proper sides of the headrest supports through the padding (see fig. 7).
2) Open the zipper of the padding cap (see fig. 5) and push the padding behind the seat to the side.
3) Put the mounting screws through the slotted hole in the headrest support and through the hole in the back plate (see fig. 8).
   **INFORMATION:** If the headrest supports are to be mounted to the top holes (= mounting points of the back plate), the longer mounting screws, which come with the device, will have to be used instead of the regular mounting screws.
4) Fasten the headrest supports on the back of the back plate using the knurled nuts.
5) If necessary, adjust the width. Hand-tighten the knurled nuts.
6) Close the padding again.

#### 7.1.2 Integrated headrests
Assembly is done at the factory following receipt of an order.
To change the distance of the headrests: (adaptation of the integrated headrests).

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

**INFORMATION**
To adjust the head support: see Page 34.

1) Insert the 2 mounting screws for the head support through the holes in the back plate and the head support holder.
2) Install the cap nuts on the reverse side.
3) Tighten the screw connections (see fig. 9).

**Mounting a second gooseneck in addition**
A second gooseneck can be mounted on the head support if required:
1) Remove the head support from the gooseneck (not illustrated).
2) Install a receiver bushing (see fig. 10).
3) Assemble and screw together the 2 gooseneck components (see fig. 11).
4) Mount the head support on the upper end of the two-part gooseneck (see fig. 12, arrow).
5) Mount the assembly on the back plate (see above).
7.2 Safety belts

**CAUTION**

Incorrect approach to the adjustment process
Injuries, malpositions, illness of the user due to adjustment errors

- The belt system may only be installed by qualified personnel.
- The qualified personnel is responsible for individual positioning and fitting of the belt system.
- Excessively tight adjustment of the belt system may lead to unnecessary pain or illness of the user.
- Adjusting the belt system too loosely can cause the user to slide into a dangerous position. In addition, the fastening snaps could open unintentionally if they slide against hard parts of clothing (e.g. buttons).
- For proper installation and adjustment, follow the instructions for use included with the product.

7.2.1 Strap guide

For improved belt guidance in the pelvic area, strap guides must be installed in the following cases:

- Lap belt; lap-belt part of the four/five-point belt: installation position see fig. 13, item 1.

1) Put on the strap guide from the inside, connecting the flat side to the fastening point of the seating unit (see fig. 14, item 1).

2) Put the mounting screw through the fastening point from the outside (see fig. 14, item 2) and screw it into the strap guide.

3) Pre-mount the strap guide with the washer/cap nut.

4) Twist the strap guide in the direction of use and finish assembly (see fig. 13).
7.2.2 Lap belt with metal buckle

Mounting the lap belt

1) Press the adjustment buckle together and pull out the belt (see fig. 16, item 1).

   **INFORMATION: Make sure not to push the plastic part beyond the guidance in the metal part.**

2) Pull the belt out of the belt restraint (see fig. 16, item 2).

3) Pull out a belt pad (3). The belt is now ready for installation (see fig. 17).

4) Place the belt on the seat. Take the belt end (see fig. 18, item 1) and guide it between the seat surface and hip pad to the outside of the seat (see fig. 18, item 2).

5) Guide the belt end through the large holes in the base frame (see fig. 18, item 3; see fig. 19, item 1).

6) Guide the belt end to the front between the seat surface and hip pad (see fig. 19, item 2).

7) Thread the belt pad (3) and the belt restraint (2) onto the belt.

8) Thread the belt end through the adjustment buckle (see fig. 16, item 1).

   → If the belt buckle (4) can be closed while being in the centre of the seat, the lap belt has been installed properly.
7.2.3 Two-point children's lap belt

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>476P52=SK006 two-point children's lap belt</td>
</tr>
<tr>
<td>2</td>
<td>Mounting material</td>
</tr>
<tr>
<td>3</td>
<td>3-slot mounting brackets, 50 mm</td>
</tr>
</tbody>
</table>
Mounting the two-point children's lap belt
1) Mount the 3-slot mounting brackets (3) in the rear holes in the seat plate of the base frame. Insert the screws from below to the top (see fig. 21, item 1).
   INFORMATION: It should be possible to turn the 3-slot mounting brackets with some resistance if needed.
2) Turn the 3-slot mounting brackets (3) outwards so that the belt straps can be threaded through (see fig. 21).
3) Place the two-point children’s lap belt on the seat.
4) Guide the belt ends sideways under the hip pads (see fig. 22, item 1).
   With adjustable armrests: Guide the belt ends behind the armrest attachment (see fig. 22).
5) Now thread the belt ends into the 3-slot mounting brackets, adjust the length and pull them tight. For belt placement: see fig. 23.
   INFORMATION: First guide the belt ends into the outer slot from inside to outside.
6) If necessary, cut off protruding belt ends and melt the free ends by applying heat (e.g. with a lighter).
7.2.4 Four-point children’s lap belt

Mounting the four-point children’s lap belt
1) Mount the 3-slot mounting brackets (5) in the holes in the seat plate of the base frame. Insert the screws from the bottom to the top (see fig. 25, item 1).
   **INFORMATION:** It should be possible to turn the 3-slot mounting brackets with some resistance if needed.
2) Turn the 3-slot mounting brackets (5) outwards so that the belt straps can be threaded through (see fig. 25).
3) Place the four-point children’s lap belt on the seat.
4) Guide the upper belts (2) sideways under the hip pads (see fig. 26, item 1).
   **With adjustable armrests:** Guide the upper belts (2) behind the armrest attachment (see fig. 26).
5) Guide the support straps (3) sideways under the hip pads **a few centimetres in front of the upper belts** as well (not illustrated).
   **With adjustable armrests:** Route the support straps (3) in front of the armrest attachment (not illustrated).
6) Now thread the belt ends into the 3-slot mounting brackets, adjust the length and pull them tight. For belt placement: see fig. 23.
   **INFORMATION:** First guide the belt ends into the outer slot from inside to outside.
7) If necessary, cut off protruding belt ends and melt the free ends by applying heat (e.g. with a lighter).
7.2.5 Four-point belt

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clip with rivet</td>
</tr>
<tr>
<td>2</td>
<td>Shoulder belt, left/right</td>
</tr>
<tr>
<td>3</td>
<td>Belt pads</td>
</tr>
<tr>
<td>4</td>
<td>Strap guide with attachment fitting</td>
</tr>
<tr>
<td>5</td>
<td>Lap-belt part</td>
</tr>
<tr>
<td>6</td>
<td>Belt restraint</td>
</tr>
<tr>
<td>7</td>
<td>Adjustment buckle</td>
</tr>
<tr>
<td>8</td>
<td>Belt buckle with release button</td>
</tr>
</tbody>
</table>

Kimba Neo
Mounting the four-point belt
1) Mount the strap guide (4) according to the section "Strap guide" (see Page 12; see fig. 28, item 1).
2) Rivet 2 clips (1) to the holes of the bottom back plate (see fig. 28, item 2).
3) Run the shoulder belts (2) through the padding / back plate (see fig. 29) and secure them in the clips (see fig. 28, item 3).
4) If necessary, cut off protruding belt ends of the shoulder belts and melt the free ends by applying heat (e.g. with a lighter).
5) Mount the lap-belt part (5) according to the section "Lap belt" (see Page 13).
→ The four-point belt is installed properly if the latches can be clipped into the buckle (8).
7.2.6 Five-point belt

Installation start
1) Mount the loose strap guide on the right (4) according to the section "Strap guide" (see Page 12).
2) Rivet 2 clips (1) to the holes of the bottom back plate (see fig. 28, item 2).
3) Run the shoulder belts (2) through the padding / back plate (see fig. 29) and secure them in the clips (see fig. 28, item 3).

Mounting the lap-belt part (5)
1) Run the lap belt on the right (5) between the seat and the backrest through the half-moon-shaped connecting piece to the back, through the strap guide and let it hang (see fig. 31).
2) Mount the fixed strap guide (6) according to the section "Strap guide" (see Page 12).
3) Run the lap belt on the left (5) between the seat and the backrest through the half-moon-shaped connecting piece to the back (##01680).
4) Thread on the belt restraint (7).
5) Run the lap belt on the right (5) behind the seat through the adjustment buckle (8) and, to complete, through the belt restraint (7) (see fig. 32 – see fig. 34).
For pressing together/threading through the adjustment buckle: see Page 13.
Mounting the crotch belt (9)
1) Thread the crotch belt, with the proper side, through the front slot of the seat plate (see fig. 35, item 1).
2) Thread the crotch belt twice through the stop plate (10) and back up through the seat plate (see fig. 35, item 2).
3) Thread the crotch belt a second time below the crossbar of the adjustment buckle (see fig. 36, item 1).

Completing the installation
► If necessary, cut off protruding belt ends of the shoulder belts and melt the free ends by applying heat (e.g., with a lighter).
→ The five-point belt is installed properly if the latches can be clipped into the buckle (9).
7.3 Positioning aids

**CAUTION**
Lack of instruction
Injuries, malpositions, illness of the user due to information errors
► 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/nursing staff knows how to quickly loosen and open the product to avoid delays in case of emergency.

7.3.1 Thoracic supports
1) Run the proper sides of the thoracic pads through the padding.
   **INFORMATION:** For folding thoracic pads only: The red release button on the folding thoracic pad can point upwards or downwards. We recommend that the release button face upwards so it is easier to use.
2) Put the mounting screws through the slotted hole in the thoracic pad and the back insert (see fig. 37, item 1; see fig. 38, item 1).
3) Fasten the thoracic pads on the back of the back insert using knurled nuts.
4) If necessary, adjust the width/height. Hand-tighten the knurled nuts.

7.3.2 Abductor
1) Place the abductor in the desired position on the seat plate (see fig. 39, item 1) and fasten it loosely with screws from below (see fig. 40, item 1).
   **INFORMATION:** When using a slip sack, make a cut in it in the specified spot (see Page 29), insert the slip sack and loosely fasten the abductor with screws.
2) Adjust the depth of the abductor in the slotted hole if necessary.
3) Now fasten the abductor with screws.
7.3.3 Abductor with abductor extension
This option makes it possible to mount the abductor somewhat further to the front of the seat on the size 1 seating unit.

1) Screw the abductor wedge loosely onto the abductor (see fig. 41, item 1).
2) Position the abductor extension on the seat plate and fasten it with screws from below (see fig. 42, item 1).

**INFORMATION:** When using a slip sack, make a cut in it in the specified spot (see Page 29), insert the slip sack and fasten the abductor with screws.

3) Adjust the depth of the abductor in the slotted hole if necessary (see fig. 41, arrow).
4) Now fasten the abductor with screws.

7.3.4 Pelvic band
For installation information, consult the instructions that come with the product.

7.3.5 Chest and shoulder support

**WARNING**
Incorrect application
Throttling, suffocation or strangulation due to sliding forward/down in the product

► Always use the positioning system in combination with a correctly applied and adapted positioning pelvic harness to stabilise the pelvis.

► The positioning system has to fit closely but not too tightly so the user is not injured. It should be possible to slide two fingers comfortably between the positioning system and upper body.

► The positioning system is intended to support the area of the upper body from the front. It has to be applied/positioned so that the neck and area of the throat remain free at all times. Follow the positioning instructions.

► Observe the information for proper application and adjustment of the product in these instructions for use so that the user cannot slide into a hazardous position.

**INFORMATION**
Note the instructions for use and possible application errors (see Page 17, four-point belts), which apply here too.
Mounting the chest and shoulder support

1) Mount the strap guide according to the section "Strap guide" (see Page 12).
2) Mount the pairs of clips (1) using mounting screws / knurled nuts in the slotted holes of the bottom back plate (see fig. 44, item 1; see fig. 45, item 1).
3) Place the chest and shoulder pad on the seat surface – the sewn-on clips (5) must point towards the seat bottom.
4) Run the shoulder belts (2) through the padding / back plate (see fig. 29) and secure them in the top clips (see fig. 45, item 2).
5) Run the bottom attachment straps (4) between the seat bottom and backrest to the back and secure them in the bottom clips (see fig. 45, item 3).
6) If necessary, cut off protruding belt ends of the attachment straps and melt the free ends by applying heat (e.g. from a lighter).
7.3.6 Fixation vest

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

INFORMATION
Note the instructions for use and possible application errors (see Page 17, four-point belts), which apply here too.
Mounting the fixation vest

1) Rivet 6 clips (1) to the holes of the bottom back plate (see fig. 47, item 1/see fig. 48, item 1).
2) Place the fixation vest on the seat bottom - the buckles (5) must point towards the seat bottom.
3) Run the shoulder belts (2) through the padding/back plate (see fig. 29) and secure them in the clips (see fig. 48, item 2).
4) Run the middle/bottom attachment straps (3/4) around the backrest tubes to the back and secure them in the clips (1) (see fig. 48, item 3).
   INFORMATION: For improved guidance of the middle/bottom attachment straps (3/4), you can additionally install strap guides.
5) If necessary, cut off protruding belt ends of the attachment straps and melt the free ends by applying heat (such as from a lighter).
7.3.7 Groin strap

Mounting the groin strap
1) Place the groin strap, underside (1) down, on the seat padding; the attachment strap with the loop (2) must face backwards.
2) Run the attachment strap with the loop (2) between the backrest and seat surface and secure it under the seat bottom (see fig. 51). Use the screws / wing nuts to adjust the depth/width of the seat (see fig. 51, item 1).
3) Rivet the clips to the holes of the bottom back plate (see fig. 50, item 1; see fig. 51, item 2).
4) Run the belt ends of the long attachment strap (4) around the backrest and secure them in the clips (see fig. 51, item 3).
5) If necessary, cut off protruding belt ends of the long attachment strap (4) and melt the free ends by applying heat (e.g. with a lighter).

7.3.8 Neck support
1) Determine the medically required position of the neck support.
2) Thread the neck support through the back padding and the back plate.
3) Adhere the two hook-and-loop straps for securing the neck support to the back plate. Do this flexibly, according to the installation situation.
4) Secure the neck support firmly.

7.3.9 Lumbar padding
1) Open the zip on the back padding and fold the back padding forward.
2) Determine the required position of the lumbar padding.
3) Adhere the supplied hook-and-loop straps for securing the lumbar padding to the back plate (see fig. 56) or use the existing hook-and-loop straps.
4) Secure the lumbar padding.
5) Pull the back padding with its cap over the back insert and close the zip.

7.3.10 Hook-and-loop foot straps
Attach the hook-and-loop foot straps to the heel part of the footplate with two rivets or screws positioned beside one another. The holes must be inserted in the footplate accordingly.
In addition, hook-and-loop foot straps can also be used for the forefoot area.
7.4 Removable armrests
For attachment using the push lock, please see the instructions for use (user) — reference number 647G892.

7.5 Adjustable armrests

<table>
<thead>
<tr>
<th>INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>► To adjust the height and depth of the adjustable armrest, please see the instructions for use (user) — reference number 647G892.</td>
</tr>
<tr>
<td>► Please note that the adjustable armrest must be installed in order to attach the tray (version 2).</td>
</tr>
</tbody>
</table>

It is installed on the lateral slots of the hip pads:
1) Lift the cover on the hip pad.
2) Loosen the screws in the lateral slots between the hip pad and the hip pad holder (see fig. 58, item 1).
3) Guide the armrest down through the cover (see fig. 59, item 1).
4) Screw the armrest and the hip pad holder firmly to the hip pad (see fig. 59, item 2). Set the desired height as you do so.
5) Use the same method to mount the second armrest at the same height.

7.6 Tray

7.6.1 Tray, height-adjustable
For mounting the tray with the user seated, please see the instructions for use (user) — reference number 647G892.

7.6.2 Tray with armrest attachment
Mount the tray on the adjustable armrests:
1) If necessary: Remove the armrest pads and adjust the armrests to the same height.
2) Loosen the Allen head screws on the tray top (see fig. 60, item 1).
3) Adjust the width of the tray guides so that the tray can be easily slid onto the armrests (see fig. 60, item 2).
4) Slide the tray on to the armrests (see fig. 61).
5) Carefully tighten the Allen head screws on the tray (see fig. 60, item 1).
6) For mounting the tray with the user seated, please see the instructions for use (user) – reference number 647G892.

7.7 Canopy adapter

**INFORMATION**
The canopy adapter is used for the subsequent installation of the canopy to a multifunctional seating unit. For information on this, see the Instructions for Use (User) - reference number 647G892.

1) Loosen the set screws at the back tube (see fig. 62, item 1) and pull the back insert up.
2) Slide the canopy adapter with the proper side onto the backrest bar (see fig. 63).
3) Pre-position the canopy adapter in a level manner (see fig. 63).
4) Tighten the set screws of the canopy adapter again.
5) Put on the back insert and tighten again the set screws at the back tube.

7.8 Rain cover
For mounting information, see the Instructions for Use (User) - reference number 647G892.

7.9 Summer/winter slip sack

**NOTICE**
Incorrect attachment
Damage to the product

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

1) When needed, make a cut in the slip sack for putting through the lap belt (see fig. 64, item 1), the abductor/five-point belt (see fig. 64, item 2) or the groin strap (see fig. 64, item 3). Use the provided positions with the applied leather applications for this purpose.
2) Fasten the attachment cords depending on the attachment situation:
   → Back: e.g., at the seat plate (see fig. 65, item 1)
   → Front: e.g., at the footrest tube (see fig. 65, item 2)
7.10 Inlay for small children
The installation is usually carried out by the user’s attendant.
For mounting information, see the Instructions for Use (User) - reference number 647G892.

7.11 Frame padding
For mounting information, see the Instructions for Use (User) - reference number 647G892.

7.12 Footrest padding
1) Cut the self-adhesive hook-and-loop straps to length and secure them to the outer sides of the footrest.
2) Secure the padding to the hook-and-loop straps on the footrest.

7.13 Anti-slip lining
1) Clean the supporting surface of the footrest.
2) Adhere the self-adhesive anti-slip lining to the footrest, covering the whole surface.
### 7.14 Foot block for shortening the lower leg length

1) Clean the supporting surface of the footrest.
2) Glue on the self-adhesive hook-and-loop strap at the correct distance (see the underside of the foot block for the distance).
3) Press the foot block on to the hook-and-loop strap.

### 7.15 Foam wedges for individual seating positions

The foam wedges can be used for individual fine adjustment of the seat surface according to the specifications of the therapist (see fig. 71). This makes it possible to form a sloped seat to support the ischium, for example.

The foam wedges are attached to the seat surface and one another:

1) Remove the seat padding from the seating unit.
2) Cut the foam wedges to size if necessary.
3) Affix the self-adhesive hook-and-loop strap to the foam wedges.
4) Attach the first foam wedge to the seat plate.
5) Attach the other foam wedges to one another using the affixed hook-and-loop strap (see fig. 73). Make sure that a hook-and-loop strap is affixed to the top side of the uppermost foam wedge for attaching the seat padding.
6) Fit the seat padding onto the hook-and-loop fastener.
7.16 Incontinence cover
The installation is usually carried out by the user's attendant.
For mounting information, see the Instructions for Use (User) - reference number 647G892.

8 Settings

8.1 Prerequisites

⚠️ WARNING

Incorrect settings
Tipping, falling or malposition of the user due to incorrect adjustment or installation
► Adjustment and installation work may not be completed by the product user but only by trained, qualified personnel.
► Only the settings described in these instructions for use may be implemented.
► Verify safe functioning before handing over the wheelchair.

⚠️ CAUTION

Unsecured screw connections
Pinching, crushing, tipping over, falling of user due to assembly errors
► After all adjusting/readjusting work, retighten the mounting screws/nuts firmly. Observe any torque settings which may be specified.
► Any time you loosen a screw connection with thread lock, replace it with a new screw connection with thread lock or secure the old screw connection with medium strength thread locker (e.g. Loctite®241).

⚠️ CAUTION

Improper use of self-locking nuts
Tipping, falling over of the user due to screw connections coming loose
► Always replace self-locking nuts with new self-locking nuts after disassembly.

8.2 Basic functions of the Kimba Neo seating unit

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

8.2.1 Adjusting the seat depth
1) Loosen the 2 wing nuts on the underside of the seat (see fig. 74, item 1).
2) Adjust the seat depth by moving the footrest (see fig. 75).
3) Hand-tighten the wing nuts.
8.2.2 Adjusting the seat width
1) Loosen the 4 wing nuts on the underside of the seat (see fig. 76, item 1).
2) Adjust the seat width by moving the hip pads (see fig. 77). This also allows for abducted settings.
3) Hand-tighten the wing nuts.
4) If necessary: Adjust the depth of the hip pads. Do so by removing the cover on the pad, loosening the screws in the lateral slots, adjusting the depth and retightening the screws (see fig. 78).

8.2.3 Adjusting the Back Height
1) Loosen the 2 set screws at the backrest tubes (see fig. 79, item 1).
2) Adjust the back insert to the desired height.
3) Tighten the set screws again.

INFORMATION: You can achieve a greater back height by additionally shifting the top back plate at the back insert. To do so, loosen/remove the knurled nuts, shift the back plate and hand-tighten the knurled nuts again.
8.2.4 Further settings
The following fitting tasks are described in more detail in the included Instructions for Use (User) – reference number 647G892:

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

8.3 Headrests

8.3.1 Adjusting the headrest support
1) Open the zipper of the padding cap (see fig. 5) and push the padding behind the seat to the side.
2) Loosen the knurled nuts on the back of the back plate.
3) Adjust the width by moving the supports in the slotted holes (see fig. 80, item 1).
4) Adjust the height by shifting the supports in the holes of the back plate (see fig. 80, item 2).
   INFORMATION: A further height adjustment of the headrest supports is possible by adjusting the back height.
5) Hand-tighten the knurled nuts.
6) Close the padding again.

8.3.2 Fitting the integrated headrests
1) Open the zipper of the padding cap (see fig. 5) and remove the padding from the integrated headrests.
2) To fit the free space in the head region, glue up to 3 foam pads, each 1 cm thick, on the headrests (see fig. 81, item 1/see fig. 82, item 1).
3) Put back/close the padding again.

8.3.3 Adapting the individually adjustable head support (for shortened back)

INFORMATION
To mount the head support: see Page 11
1) Adapt the head support position according to the needs of the user. Various adjustment options are provided for this purpose (see fig. 83; see fig. 84).

2) Retighten the screws after completing the adaptation.

8.4 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.

8.4.1 Adjusting the thoracic supports

1) Loosen the knurled nuts on the back of the back insert.

2) Adjust the width/height by moving the supports in the slotted holes (see fig. 85).

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

3) Hand-tighten the knurled nuts.

8.4.2 Adjusting the abductor

The abductor can be adjusted as follows:

- Shifting of the mounting screw to other holes/slotted holes of the seat plate (see fig. 39).
- Moving the abductor in the slotted hole (see fig. 40)

8.4.3 Adjusting the chest and shoulder support

**INFORMATION**

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

The chest and shoulder support can be adjusted as follows:

- Moving the belts in the 2 pairs of clips on the back plate (see fig. 45, item 2/3)
- Moving the belts in the sewn-on clips of the chest and shoulder support (see fig. 43, item 5).
8.4.4 Adjusting the fixation vest

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

The chest and shoulder support can be adjusted as follows:
• Moving the belts in the 2 pairs of clips on the back plate (see fig. 45, item 2/3)
• Moving the belts in the sewn-on clips of the chest and shoulder support (see fig. 43, item 5).

8.4.5 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:
• Moving the belts in the 2 clips on the back plate (see fig. 51, item 2/3)
• Moving the belts in the strap adjustment at the leg straps (see fig. 49, item 5/6)

8.4.6 Adjusting the pelvic band

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

The pelvic band can be adjusted as follows:
• Moving the supports on the crossbar (see included Instructions for Use 647G129)
• Sliding the band onto the plastic mounting rails (see included Instructions for Use 647G129)

8.4.7 Adjusting the neck support

The adjustments are made when the option is installed (see chapter "Preparation for Use" > "Installing Options/Accessories").

8.4.8 Adjusting the lumbar pad

The adjustments are made when the option is installed (see chapter "Preparation for Use" > "Installing Options/Accessories").

8.4.9 Adjusting the hook-and-loop foot straps

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

The hook-and-loop foot strap can be adjusted as follows:
• Moving the hook-and-loop foot straps against each other (no illustration)

8.5 Adjusting the footrest

8.5.1 Adjusting the footplate height

Standard footrest
1) Loosen the Allen head screws (see fig. 86, item 1).
2) Adjust the footrest height (lower leg length).
3) Retighten the Allen head screws.

Asymmetrical footrest
This option can also be rotated to shorten the lower leg length:
1) Loosen the Allen head screws (see fig. 87, item 1).
2) Pull the footrest down and off and rotate it (see fig. 88).
3) Adjust the footrest height (lower leg length).
4) Retighten the Allen head screws (see fig. 88, item 1).
8.5.2 Adjusting the footplate angle
1) Loosen the fastening nuts of the locking screws in the slotted holes (see fig. 89, item 1).
2) Move the locking screws. Pay attention to the setting, so that a parallel adjustment is assured.
3) Align the wide slots of the locking screws perpendicular to the slotted holes in the footrest, so as to ensure wear-free locking.
4) Tighten the fastening nuts of the locking screws again.

8.5.3 Further settings
The following fitting tasks are described in more detail in the included Instructions for Use (User) – reference number 647G892:
• Adjusting the knee angle
8.6 Safety belts

**CAUTION**

**Incorrect belt settings**
User fear, strangulation due to incorrectly positioned safety belts

► The safety 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 safety 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 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.

The following fitting tasks are described in more detail in the included Instructions for Use (User) – reference number 647G892:
• Adjusting the lap belt
• Adjusting the four-point lap belt
• Adjusting the four-point belt
• Adjusting the five-point belt

9 Use in vehicles for transporting persons with reduced mobility

9.1 General safety instructions

**WARNING**

**Use as a seat in vehicles for transporting persons with reduced mobility**
Serious injuries in case of accidents due to user error

► Always use the seats and restraint systems in the vehicle for transporting persons with reduced mobility first. This is the only way to ensure optimum protection of passengers in the event of an accident.

► The product was tested for use in a vehicle for transporting persons with reduced mobility in combination with a Kimba outdoor mobility base. For more information please refer to our brochure on using Ottobock products in wheelchair accessible vehicles, order number 646D158.

► The product may only be used as a seat in a vehicle for transporting persons with reduced mobility with the securing elements offered by the manufacturer and with suitable restraint systems.

► Please note that you must always remove certain options before using the product in a vehicle for transporting persons with reduced mobility.

► Be sure to only use the product in vehicles for transporting persons with reduced mobility with the seat facing in the driving direction.

► Be sure to only use the product in vehicles for transporting persons with reduced mobility with the seating unit locked horizontally and the backrest locked in the upright position.

**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 capacity

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

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

Serious injuries due to improper handling of the product

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

**WARNING**

Missing safety devices with "shortened back insert" option

Severe injury in case of accidents due to missing positioning systems

- When using the "shortened back insert" option with individually adjustable head supports (see Page 11), one of the positioning systems for the upper body listed below must always be used in addition to the restraint system in the vehicle for transporting persons with reduced mobility:
  - Five-point belt (see Page 19)
  - Chest and shoulder pad (see Page 22)
  - Fixation vest (see Page 24)

**INFORMATION**

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

**9.2 Permitted use**

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

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

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

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

**9.3 Important information**

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

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

**10 Delivery**

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.
- The user and any attendants must be instructed in the safe use of the product. In particular, the enclosed instructions for use (user) are to be used.
- The instructions for use (user) must be issued to the user/attendant during handover of the wheelchair.
10.1 Final inspection
• Are all options installed according to the order form?

11 Maintenance and repair
The manufacturer recommends regular maintenance of the product every 12 months.
More information on cleaning, disinfection, maintenance and repair can be found in the instructions for use (user).
The service manual contains detailed information on repairs.

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

12.2 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 functions must not change in a way that could endanger users or other persons within the product’s lifespan.
The product must first be thoroughly cleaned and disinfected before it can be re-used. Then the product must be examined by an authorised specialist to check the condition and to look for wear and possible damage. All worn and damaged parts as well as components which do not fit or are unsuitable for the new user must be replaced.
Detailed information on replacing components as well as information on the required tools and the prescribed service intervals can be found in the service manual.

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

13.1 Service Life
Expected service life: 4 years.
The design, manufacturing and requirements for the intended use of the product are based on the expected service life. These also include the requirements for maintenance, ensuring effectiveness and the safety of the product.
Using the product beyond the specified expected service life leads to increased residual risk and should only take place subject to the due diligence and deliberations of qualified personnel.
If the service life is reached, the user or a responsible attendant should contact the qualified personnel who fitted the product or the manufacturer’s servicing department (see inside rear cover or back page for address). Here the user can obtain information about known risks and the current options for refurbishing the product.

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

13.3 CE Conformity
This product meets the requirements of the European Directive 93/42/EEC for medical devices. This product has been classified as a class I device according to the classification criteria outlined in Annex IX of the directive. The declaration of conformity was therefore created by the manufacturer with sole responsibility according to Annex VII of the directive.
13.4 Warranty
Further information on the warranty terms and conditions is available from the manufacturer’s service (see inside back cover for addresses).

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

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

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

14 Technical data

<table>
<thead>
<tr>
<th>INFORMATION</th>
</tr>
</thead>
</table>
| ► 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°. |

<table>
<thead>
<tr>
<th>Kimba Neo seating unit</th>
<th>Size 1</th>
<th>Size 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seat width [mm]</td>
<td>200–300</td>
<td>260–350</td>
</tr>
<tr>
<td>Seat depth [mm]</td>
<td>190–310</td>
<td>240–400</td>
</tr>
<tr>
<td>Backrest height [mm]</td>
<td>410–610</td>
<td>560–700</td>
</tr>
<tr>
<td>Backrest height (with &quot;shortened back insert&quot; option; dimension without head support) [mm]</td>
<td>340–480</td>
<td>410–580</td>
</tr>
<tr>
<td>Backrest angle [°]</td>
<td>80–180</td>
<td>80–180</td>
</tr>
<tr>
<td>Height of shoulder strap slots (min./max.) [mm]</td>
<td>300/450</td>
<td>300/450</td>
</tr>
<tr>
<td>Width of shoulder strap slots [mm]</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Lower leg length [mm]</td>
<td>190–310</td>
<td>200–370</td>
</tr>
<tr>
<td>Max. load capacity 1) [kg]</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Max. load capacity with use in vehicles for transporting persons with reduced mobility 2) [kg]</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Weight [kg]</td>
<td>7</td>
<td>8.5</td>
</tr>
<tr>
<td>Folded size with lateral supports (LxWxH) [mm]</td>
<td>580x370x420</td>
<td>590x430x580</td>
</tr>
</tbody>
</table>

1) The load capacity differs between the Kimba outdoor mobility base and the seating unit:
- Seating unit (max. 40 kg) + own weight of the seating unit, size 1 (7.5 kg) = 47.5 kg
- Outdoor mobility base (max. 55 kg) – fully loaded seating unit (47.5 kg) = 7.5 kg for other accessories + weight in storage bag

2) Possible with seat depth reducer option from 140 mm.

3) With seat depth reducer option: 80°–160°


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

6) Can only be used up to 35 kg with footrest for short lower leg length option.