



# FLIP HB

unbeatable  
at inner area

# FLOH HB

the quick-change artist for  
everyday life



**Dear Customer,**

at this point, we would like to thank you to have confidence in our products. It's a pleasure for us to sell you a high-quality mobility base from **Berollka-aktiv**.

Our mobility bases are characterized by their quality, safety, simplified handling and modern design.

**We kindly ask you to observe the security advice as well as the instructions attentively before using the mobility base for the first time.**

We subject to technical changes and improvements of the mobility base.

Please note that the equipment of your mobility base could differ in some allusions and demonstrations.

### **EC Declaration of Conformity**

We, Berollka-aktiv Rollstuhltechnik GmbH Jahnstraße 16 – 74889 Sinsheim, declare in sole responsibility, to conform to the mobility base from Berollka the fundamental request subject to the regulations 93/42/EWG.

**Yours Berollka-aktiv Team**



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Technical changes and literal mistakes are reserved.

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This manual should help you to become acquainted with your mobility base. Furthermore, we want to give you some helpful suggestions, how to handle the mobility base for the daily use in different situations.

### Overview of the mobility base FLIP HB

The indoor mobility base FLIP HB is only used for the attachment of seating shells and seating systems indoor. It helps disabled people in mobility and transport.

The below-mentioned illustration presents the indication of the most important elements at the mobility base, as well as the definitions, which you will find by reading the manual.



### Overview of the mobility base FLOH HB

The mobility base FLOH HB is only used for the attachment of seating shells and seating systems indoor as well as outdoor. It helps disabled people in mobility and transport.

The below-mentioned illustration presents the indication of the most important elements at the mobility base, as well as the definitions, which you will find by reading the manual.



### General Security Advices

As you have to read and consider the safety instructions and the manual of your mobility base before using for the first time, we have summarized the most important things for you. These safety instructions are to be considered both by the person in the mobility base and the companion!

- Practise the handling with your new mobility base at a flat area and with a companion. Thereby you have to explore the shift of emphasis concerning the performance of the mobility base.
- Only climb steps with the help of a companion.
- Do not use side guards, seat sling and the demountable footrest to carry the mobility base (just the fixed frame parts).
- Tilting danger when upending the mobility base.
- Practise the upending only with a companion at first and explore the implication of the shift of emphasis.
- Always tighten the screws after changing of parts.
- The knee angle brake depends on air-pressure.  
Please control the air pressure of the rear wheels constantly.
- Do not use the mobility base as a shower chair and do not expose it to sea water and sand, because this could damage the ball-bearing.
- The clamp lever at the height adjustable push handles should always be tightened.
- Maximum strength ( = seating system + patient + equipment) :

**Floh HB / Flip HB max. 60 kg**

- Do not use the footrest for boarding and deboarding

Your specialist dealer can give you further information. He will also show you the possibilities of variety and adjustability and how they affect the driving safety.

### Application area

The indoor mobility base FLIP is only developed for the attachment of orthopedic seating systems (e.g. seating shells) in inner area. It is individual adjustable and applicable. FLIP makes a moving down at a lower seating height possible as well as a moving up for care.

The mobility base FLOH is a further development of the indoor mobility base FLIP, which is also developed for the attachment of orthopedic seating systems. The special advantage of FLOH is that it is used for indoor and outdoor. It is also individual adjustable and applicable. The adjustabilities are the same as at the indoor mobility base FLIP. Because of the push handles are more adjustabilities possible.

Please consider that only your specialist dealer is allowed to do adjustments for the optional modification.

### Handling at delivery

Your mobility base is completely delivered in a cardboard and delivered with hinged away back. Lose items are separately packed, with a view to avoiding transport damage. Your specialist dealer has got the seating system (e.g. seating shell) to mount it in driving direction at your mobility base.

Take your expert's help to learn safe using for yourself and your companion.

### EC Declaration of Conformity

We, Berollka-aktiv Rollstuhltechnik GmbH Jahnstraße 16 – 74889 Sinsheim, declare in sole responsibility, to conform to the mobility base **FLIP HB** and **FLOH HB** the fundamental request subject to the regulations 93/42/EWG.



### Adjustability

The mobility bases FLIP and FLOH are constructed modularly like in a construction kit that you can upgrade some equipment.

We want to show you some adjustabilities and equipment which facilitate the use with your mobility base.

#### Seat attachment

There are different systems available to attach seating shells from different producer.

##### universal attachment:

The mobility base is equipped in its base equipment with the universal attachment.

The universal attachment allows the possibility, beside to the below described trapezium adapter, to attach different changing adapter systems.



universal attachment

If you use a foreign changing adapter system, you have to consider the additional user manual of the producer.

##### trapezium adapter:

The trapezium adapter with its aluminum base can be mounted for changing in balance point in different positions.

##### **Please note:**

After attaching a seating shell please pay attention that the index bolt (below the trapezium adapter) is locked correctly in the plastic trapezium changing adapter.



trapezium adapter



### Seat incline

You can incline the seat at your mobility base up to 30° backwards and 8° forwards. Please pay attention that the knee angle brake is locked during the adjustment and that the mobility base is standing at a flat ground.

#### **Please note:**

Do the first incline without the patient in the seating shell because the balance point is changing during the incline.

#### Seat incline with gas spring:

To incline the seat you have to relock the control lever at the gas spring below the seat. Thereby, the tube extends and inclines the seat to the front side. If you want incline the seat downwards you have to press with the second hand the seat frame downwards. After reaching the wanted seat incline the gas spring will be locked again by using the lever



Control lever seat incline

#### **Attention:**

Do not leave the patient alone. Pay attention at children with dynamic behavior because the child can keel over backwards. The statical stability at the highest position and additional angle is only 7° backwards, 13° frontwards and 13° sideways. That means that children with a dynamic behavior should only sit in the middle or lowest position. Please use the antitip wheel.

#### **Please note:**

Below the seat frame, there is a block mounted to avoid that the seat frame does not touch the tubes at low seat incline or seat incline backwards during height adjustment.

### Seat height

The seat height is also adjustable with a gas spring.

Please check that the mobility base is standing secure and the brakes are locked.

#### **Please note:**

The first seat height adjustment you should do without the patient inside.

#### Adjust the seat height:

The seat height adjustment occurs stepwise.

For that, please turn the security lever below the pedal sidewise and press the pedal. Thereby, the bowden cable activates the gas spring and the seat will be pushed upwards.



After you got the wanted seat height you have to release the pedal and turn the security lever below the pedal so that the pedal cannot be used.



Maximal and minimal seat height adjustments:

Seat height Upper edge seat frame	<b>FLIP HB</b> 75 mm	<b>FLIP HB</b> 125 mm	<b>FLOH HB</b>
minimal / down	19 cm	21,5 cm	29 cm
maximal / at the top	62 cm	64,5 cm	72 cm

### Castors / Brakes

#### Mobility base FLIP HB:

The 4 castors at the mobility base FLIP HB are all equipped with knee angle brakes.

#### Double rolls 75mm

To close the brakes press the brake lever and to open them please pull at the brake lever with the foot.

#### Single roll 125mm

To close the brakes press the brake lever and to open them please pull at the brake lever with the foot.

At these rolls, there are not only the rolls locked but also the direction adjustment is fixed.

#### Mobility base FLOH HB:

At the mobility base FLOH HB are at the front side 7" pneumatic tyred castors at a plastic plate mounted and at the back side 12 „ pneumatic-tyred rear wheels with drum brake.

The drum brakes can be locked by a bowden cable with a holder at the push handles.



### Push handles

#### Mobility base FLIP:

The push handle can be mounted additional. Your companion can thus obtain the most comfortable pushing position of his hands.

For that the push handles will be inserted backwards into the seat frame and clamped with clamp lever screws.



**Please note:** Do not carry the mobility base at the push handles!!

#### Mobility base FLOH:

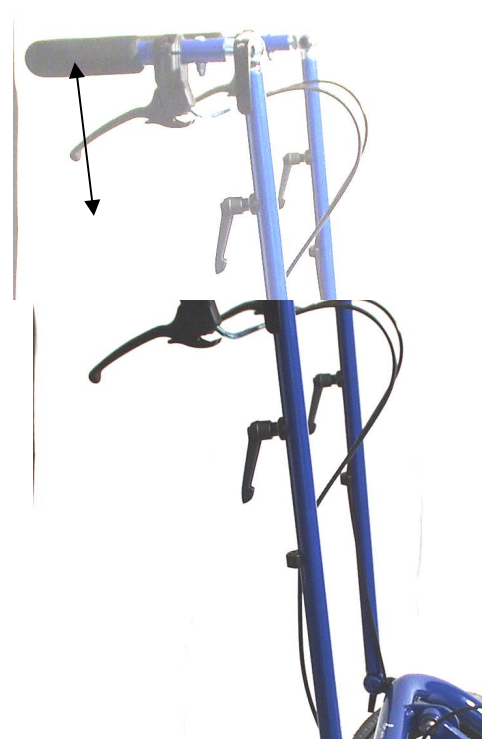
At the mobility base FLOH, the push handles are in the general equipment.

The push handles are screwed at the mobility base with gear segments. Because of the gear segments the push handles are angle adjustable or can be removed completely from the seat frame. Depending on the seating shell type you have to remove it from the mobility base.



The handle bow at the back tube is 10 cm height adjustable with 2 clamp levers at the back tube. In addition, the handle bow is individual angle adjustable with joints.

Please note:  
Always tighten the clamp lever!

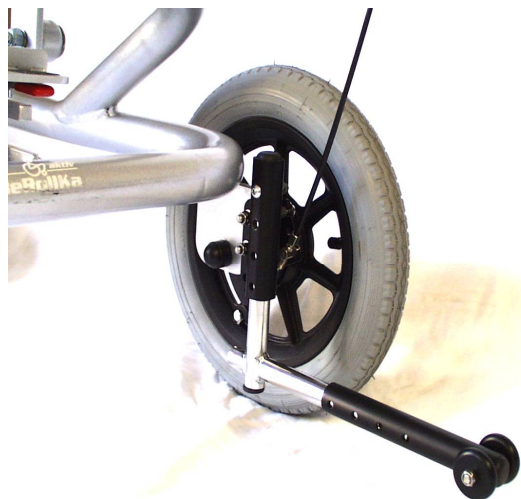


### Antitip wheel

At the mobility base FLIP and FLOH can be mounted an antitip wheel for safety reasons.

The swing-back antitip wheel (security wheel) avoids tilting backwards of the mobility base. For this, the antitip wheel needs a distance of 3 to 4 cm to the ground.

☞ The antitip wheel must be swing-back if the seating base is inclined backwards.



**Please note:** If you have to overcome obstacles or stairs the antitip wheel must be swing 180° forwards to avoid attaching.

### Mounting the seating system

If you use a foreign seating system or changing adapter please consider the additional user manuals from the producer.

#### **Check of the statical stability**

After the mounting of the seating system please check the stability of the hole device. (mobility base + seating system + patient)!!!!

#### **Attention:**

As the check must be undertaken with the patient inside pay attention at the check and only do it with 2 companions.

Please check all useful and/or possible adjustments of the mobility base by adjusting different seat inclines in combination with different seat heights and the adjustabilities at the seating system. (e.g. at the footrest)

Check the tipping behavior at the additional position and at the most extreme adjustment.

If the hole device tip over at the most extreme adjustments the changing adapter must be adjusted to change the balance of the device so that the statical stability is guaranteed in all adjustments.

After the adjustment of the changing adapter all adjusted positions must be checked to avoid tilting backwards of the mobility base.

## Technical information

### FLIP HB

Maximal user weight	60 kg
Empty weight without equipment	16 kg
tyres frontside / backside frontside / backside	Ø 75 mm / Ø 75 mm Ø 125 mm / Ø 125 mm
Brake type	4x brake locking and direction locking
Maximal measurements (from – to) width length height	535 mm 820 mm 355 – 675 mm
Height of the adapter attachment (seat height)	190 mm – 605 mm
Adjustment of the adapter (seat incline)	8° frontwards 30° backwards

### FLOH HB

Maximal user weight	60 kg
Empty weight without equipment	20 kg
tyres frontside backside	Ø 175 mm (250 kPa) Ø 305 mm (200 kPa)
Brake type	drum brake
Maximal measurements (from – to) width length height	680 mm 830 – 1180 mm 420 – 1020 mm
Height of the adapter attachment (seat height)	290 mm – 720 mm
Adjustment of the adapter (seat incline)	8° frontwards 30° backwards

### Care and Maintenance

The care responsibility of the medical aid or therapy equipment is the responsibility of the property owner or the owner of the product. Non-observance of the nursing or the nursing interval referred to the time schedule of the manual of the product causes loss of warrant. Furthermore, the non-observance of the nursing can tends to result in damage of the function or security of the user and/or the nurse.

Your mobility base needs regular care. Forehanded, all metal parts are protected with powder coating, eloxal or chromium-plating from corrosion. Moreover, highly stressed parts are made out of stainless steel.

Please clean your mobility base constantly with a soft little moistened cloth or if necessary, with a mild detergent (without salmiak and dissolver).

Please dry off the metal parts with a cloth after cleaning.

Clean the padded parts only with mild soap solution.

Use only a little moistened cloth for the wood parts.

If you want to clean the mobility base with a not as much aggressive disinfectant refer to hygienic reasons, please operate it only in a spraying and/or wipe technique. Take a cloth and spray the disinfectant at the cloth and rub the parts with that cloth.

For the cleaning of our mobility base all detergents are allowed which are licensed for the use of hospital hygiene from the „Robert Koch Institute“ by VAH/DGHM.

**Please note: It is not allowed to use abrasives or the like strong detergents. Don't use high-pressure cleaner.**

#### **Note:**

Because of the permanent use of your mobility base, it could be possible that some screws become loose. Please retighten the screws occasionally or authorize your dealer.



## Care and Maintenance

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**We recommend letting your mobility base check from a specialist dealer regularly dependable on the capacity factor, however at least one time a year.**

Time interval	Description
First day	Read the manual careful before use of the product and keep it for future use
	Stow the tools at the product
Daily	Use a dry cloth for cleaning
	Optic inspection: damaged and battered parts have to be replaced or repaired immediately
	Please assure that all mounts are in place
	Check the belts, chestharness and closures for external signs of wear
	Pay attention at all maximal information at the adjustments
Weekly	Check that all wheels can spin faultless and that all brakes work faultless
	Check that the angle adjustment is faultless and that the safety interlock system works faultless
	Use a cloth with warm water and a mild detergent to remove dirt and to clean the product. Wipe the product before the next use.
Monthly	Please check and fix all screws, screw nuts and interlocks constantly to guard against unwanted mistakes.
	Oil the movable parts. We advice you a professional lubricant, for example „Metaflux-Klarfett-Spray“
Yearly	Check the frames and the frame parts for abrasion and never use a product with known deficits. Please make an inspection at least one time in year at your specialist dealer

### Further Use

For the further use of our mobility bases we recommend an examination of the product by an accepted specialist dealer.

The following measures must be satisfied:

- Thorough cleaning and disinfection with appropriate means
- Maintenance according to the maintenance plan and review by the manufacturer or authorized specialist
- Creating the accompanying documents and approval for re-use

For the further user of our products we advice a general check of the product by an accepted specialist dealer.

#### Further use check:

##### Optical control

- ✓ Check the product for cleanliness
- ✓ Check the surface protection
- ✓ Check the frame due to damages
- ✓ Check the cushion and the seat and back cover due to damages

##### Mechanical control

- ✓ Check all screw- and clamp connections and retighten them
- ✓ Check the bolting device elements
- ✓ Check the armrest
- ✓ Check the gas pressure spring.
- ✓ Check the bowden cables
- ✓ Check the tyres and air pressure
- ✓ Check the brakes
- ✓ Check the castors
- ✓ Check the driver wheels
- ✓ Check the safety seat belt
- ✓ Check the fixation of the hand bow and brake handle bar
- ✓ Passive light available?

### Road test

- ✓ Check the wheel track and the directional stability
- ✓ Check the knee angle brake
- ✓ Check the tilt safety device

### Documentation

- ✓ Name-plate (Serial-Number) available
- ✓ User manual available (download is possible at [www.berollka.de](http://www.berollka.de))

Generally, the specialist dealer has to check the condition concerning security and if necessary the appropriate parts have to be replaced.

In particular the following wearing parts are required:

- Tyres of the castors and tyres of the rear wheels
- Armrest
- Seat and back upholstery
- Brake lever caps
- Cover caps
- wires of the brakes

### Warranty

In addition to the general terms of business we afford a warranty to the wheelchair supplied by us:

2 years for the base frame  
(for manufacturing defects or defaults in material)

Defective or damaged parts according to the points stated above will be fixed or replaced within the defects liability period free of charge, if Berollka-aktiv is informed immediately with the proof of new purchase. The rejected parts must be sent free of transportation charges and post-free to Berollka-aktiv.

If a construction fault or a material fault is existent, damaged parts will be replaced without charge. Changes and constructive interventions, which are beyond the adjustment of the personal body height, cannot be reasoned by us as the producer.

**Technical changes are reserved.**

**Attention: Special design versions cannot be exchanged.**

We cannot assume liability for damages because of combinations of our wheelchairs with external products of any kind, which possibly contains a considerable risk. Unless, at our company exists an explicit clearance of such a product.

Furthermore, deficits are eliminated, which occur because of natural defects, excessive use, damage by force as well as because of not designated use.

The warranty expires if no original spare parts from Berollka-aktiv will be used for repair.

Because of the constant daily use of your wheelchair, certain nuts, bolts and spokes may loosen. Please retighten them once in a while or instruct your dealer.

**Please note:**

**Changes at our components (like e.g. additional bore holes at the frame) are not allowed and result in automatical lost of guaranty! Exceptions only with written consent from Berollka-aktiv!!**

### Identification Plate

The identification plate is located visibly on the tube of your cross-link.

Identification plate FLIP HB



Identification plate FLOH HB



On the identification plate, there you can find the accurate type designation, the **serial number** and the maximal user weight ( 60kg).

**If you want to reorder equipment or spare parts, please always specify the serial number (and perhaps the order number) to guarantee the processing of your order without any difficulty.**

At the frame of your wheelchair there is a sticker, which reminds you to read the general security advices and the user manual before the first use.

**Attention**  
Please read the  
general security  
advices and the user  
manual

### Additional information

**Please note:**

We cannot assume liability for damages because of combinations of our products with external products of any kind, which possibly contains a considerable risk. Unless, an explicit clearance of such a product exists at our company.

**Please note:**

Because of the constant daily use of your product, certain nuts, bolts and spokes may loosen. Please retighten them once in a while or instruct your dealer.



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